



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13052732.03A  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 12-19-2023  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV  
 [LUMINAIRE] Formed White aluminum housing, frosted lens enclosures  
 [LAMP] 288 White LEDs  
 [BALLAST] 0-10V DIMMING DRIVERS

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7586
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	63.7
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.33 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19080	8058	6171
55	16385	5657	4202
65	13471	3703	2684
75	9962	2080	1507
85	5080	752	593

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329
0.5	1658.074	1675.231	1667.878	1672.780	1674.006	1672.780	1667.878	1675.231	1658.074	1674.006
1.0	1656.849	1675.231	1667.878	1674.006	1675.231	1674.006	1667.878	1675.231	1656.849	1674.006
1.5	1656.849	1675.231	1667.878	1675.231	1676.457	1675.231	1667.878	1675.231	1656.849	1672.780
2.0	1655.623	1675.231	1667.878	1674.006	1677.682	1674.006	1667.878	1675.231	1655.623	1671.555
2.5	1655.623	1675.231	1667.878	1675.231	1677.682	1675.231	1667.878	1675.231	1655.623	1669.104
3.0	1654.398	1674.006	1667.878	1675.231	1677.682	1675.231	1667.878	1674.006	1654.398	1667.878
3.5	1653.172	1674.006	1666.653	1674.006	1676.457	1674.006	1666.653	1674.006	1653.172	1665.427
4.0	1650.722	1672.780	1665.427	1674.006	1676.457	1674.006	1665.427	1672.780	1650.722	1664.202
4.5	1648.271	1670.329	1665.427	1672.780	1675.231	1672.780	1665.427	1670.329	1648.271	1661.751
5.0	1647.045	1669.104	1664.202	1671.555	1672.780	1671.555	1664.202	1669.104	1647.045	1659.300
5.5	1644.594	1667.878	1661.751	1670.329	1671.555	1670.329	1661.751	1667.878	1644.594	1655.623
6.0	1642.143	1665.427	1660.525	1667.878	1669.104	1667.878	1660.525	1665.427	1642.143	1653.172
6.5	1639.692	1662.976	1658.074	1665.427	1666.653	1665.427	1658.074	1662.976	1639.692	1649.496
7.0	1636.016	1660.525	1655.623	1662.976	1662.976	1662.976	1655.623	1660.525	1636.016	1645.820
7.5	1633.565	1658.074	1653.172	1660.525	1660.525	1660.525	1653.172	1658.074	1633.565	1642.143
8.0	1629.888	1655.623	1649.496	1656.849	1655.623	1656.849	1649.496	1655.623	1629.888	1638.467
8.5	1626.212	1651.947	1647.045	1653.172	1651.947	1653.172	1647.045	1651.947	1626.212	1634.790
9.0	1622.535	1648.271	1643.369	1648.271	1647.045	1648.271	1643.369	1648.271	1622.535	1631.114
9.5	1617.634	1644.594	1639.692	1644.594	1642.143	1644.594	1639.692	1644.594	1617.634	1626.212
10.0	1613.957	1640.918	1634.790	1639.692	1637.241	1639.692	1634.790	1640.918	1613.957	1621.310
10.5	1609.055	1636.016	1631.114	1634.790	1632.339	1634.790	1631.114	1636.016	1609.055	1616.408
11.0	1604.153	1632.339	1626.212	1629.888	1626.212	1629.888	1626.212	1632.339	1604.153	1611.506
11.5	1599.251	1627.437	1620.085	1623.761	1620.085	1623.761	1620.085	1627.437	1599.251	1606.604
12.0	1594.349	1622.535	1615.183	1617.634	1612.732	1617.634	1615.183	1622.535	1594.349	1600.477
12.5	1588.222	1617.634	1609.055	1611.506	1604.153	1611.506	1609.055	1617.634	1588.222	1595.575
13.0	1583.320	1612.732	1602.928	1604.153	1596.800	1604.153	1602.928	1612.732	1583.320	1589.448
13.5	1577.193	1607.830	1596.800	1596.800	1589.448	1596.800	1596.800	1607.830	1577.193	1583.320
14.0	1571.065	1601.702	1590.673	1589.448	1580.869	1589.448	1590.673	1601.702	1571.065	1577.193
14.5	1564.938	1596.800	1583.320	1580.869	1572.291	1580.869	1583.320	1596.800	1564.938	1569.840
15.0	1558.811	1589.448	1575.967	1573.516	1563.712	1573.516	1575.967	1589.448	1558.811	1563.712
15.5	1552.683	1584.546	1569.840	1566.163	1555.134	1566.163	1569.840	1584.546	1552.683	1556.360
16.0	1545.330	1578.418	1561.261	1556.360	1546.556	1556.360	1561.261	1578.418	1545.330	1550.232
16.5	1539.203	1571.065	1553.909	1546.556	1535.526	1546.556	1553.909	1571.065	1539.203	1541.654
17.0	1531.850	1563.712	1546.556	1537.977	1526.948	1537.977	1546.556	1563.712	1531.850	1534.301
17.5	1524.497	1557.585	1537.977	1528.174	1515.919	1528.174	1537.977	1557.585	1524.497	1526.948
18.0	1517.144	1550.232	1529.399	1518.370	1506.115	1518.370	1529.399	1550.232	1517.144	1518.370
18.5	1509.791	1542.879	1520.821	1507.340	1496.311	1507.340	1520.821	1542.879	1509.791	1511.017
19.0	1502.438	1534.301	1512.242	1497.537	1485.282	1497.537	1512.242	1534.301	1502.438	1502.438
19.5	1495.086	1526.948	1502.438	1487.733	1475.478	1487.733	1502.438	1526.948	1495.086	1493.860
20.0	1486.507	1518.370	1493.860	1476.703	1463.223	1476.703	1493.860	1518.370	1486.507	1484.056
20.5	1477.929	1509.791	1484.056	1465.674	1453.419	1465.674	1484.056	1509.791	1477.929	1475.478
21.0	1469.350	1501.213	1474.252	1454.645	1441.164	1454.645	1474.252	1501.213	1469.350	1465.674
21.5	1460.772	1492.635	1464.449	1444.841	1430.135	1444.841	1464.449	1492.635	1460.772	1457.096
22.0	1452.194	1482.831	1454.645	1433.812	1419.106	1433.812	1454.645	1482.831	1452.194	1447.292
22.5	1442.390	1474.252	1444.841	1421.557	1406.851	1421.557	1444.841	1474.252	1442.390	1437.488
23.0	1433.812	1464.449	1433.812	1410.527	1393.371	1410.527	1433.812	1464.449	1433.812	1427.684
23.5	1424.008	1454.645	1422.782	1398.273	1381.116	1398.273	1422.782	1454.645	1424.008	1417.880
24.0	1414.204	1444.841	1411.753	1387.243	1368.861	1387.243	1411.753	1444.841	1414.204	1406.851
24.5	1405.626	1435.037	1400.724	1374.989	1356.606	1374.989	1400.724	1435.037	1405.626	1397.047
25.0	1394.596	1425.233	1389.694	1362.734	1344.352	1362.734	1389.694	1425.233	1394.596	1386.018
25.5	1384.792	1415.429	1378.665	1350.479	1330.871	1350.479	1378.665	1415.429	1384.792	1376.214
26.0	1374.989	1404.400	1367.636	1338.224	1318.616	1338.224	1367.636	1404.400	1374.989	1365.185
26.5	1363.959	1394.596	1355.381	1324.744	1306.362	1324.744	1355.381	1394.596	1363.959	1354.155

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

27.0	1354.155	1383.567	1343.126	1312.489	1292.881	1312.489	1343.126	1383.567	1354.155	1343.126
27.5	1341.901	1372.538	1332.097	1299.009	1280.627	1299.009	1332.097	1372.538	1341.901	1332.097
28.0	1332.097	1361.508	1319.842	1285.528	1267.146	1285.528	1319.842	1361.508	1332.097	1319.842
28.5	1321.067	1349.253	1307.587	1273.274	1253.666	1273.274	1307.587	1349.253	1321.067	1308.813
29.0	1308.813	1338.224	1295.332	1259.793	1240.186	1259.793	1295.332	1338.224	1308.813	1296.558
29.5	1297.783	1325.969	1283.078	1246.313	1227.931	1246.313	1283.078	1325.969	1297.783	1284.303
30.0	1285.528	1314.940	1269.597	1232.833	1213.715	1232.833	1269.597	1314.940	1285.528	1273.274
30.5	1274.499	1302.685	1257.342	1219.843	1200.235	1219.843	1257.342	1302.685	1274.499	1261.019
31.0	1262.244	1290.430	1243.862	1206.117	1186.510	1206.117	1243.862	1290.430	1262.244	1248.764
31.5	1251.215	1278.176	1231.607	1191.902	1172.784	1191.902	1231.607	1278.176	1251.215	1236.509
32.0	1238.960	1265.921	1217.637	1178.544	1158.569	1178.544	1217.637	1265.921	1238.960	1224.009
32.5	1226.705	1253.666	1204.279	1164.819	1144.843	1164.819	1204.279	1253.666	1226.705	1211.264
33.0	1214.573	1240.186	1190.676	1150.358	1131.118	1150.358	1190.676	1240.186	1214.573	1198.642
33.5	1202.318	1227.931	1177.441	1136.510	1116.780	1136.510	1177.441	1227.931	1202.318	1185.652
34.0	1190.186	1215.186	1163.838	1122.417	1102.074	1122.417	1163.838	1215.186	1190.186	1172.294
34.5	1178.299	1202.196	1150.358	1108.692	1087.981	1108.692	1150.358	1202.196	1178.299	1159.549
35.0	1165.554	1188.961	1136.142	1094.844	1074.623	1094.844	1136.142	1188.961	1165.554	1145.946
35.5	1152.932	1175.971	1123.275	1081.118	1060.040	1081.118	1123.275	1175.971	1152.932	1132.711
36.0	1140.064	1162.735	1109.795	1066.535	1046.437	1066.535	1109.795	1162.735	1140.064	1119.476
36.5	1127.564	1149.378	1096.192	1053.545	1032.222	1053.545	1096.192	1149.378	1127.564	1106.118
37.0	1114.819	1136.388	1083.079	1039.207	1018.496	1039.207	1083.079	1136.388	1114.819	1092.638
37.5	1101.829	1123.397	1069.721	1025.237	1005.139	1025.237	1069.721	1123.397	1101.829	1079.403
38.0	1088.349	1110.285	1056.609	1012.001	991.291	1012.001	1056.609	1110.285	1088.349	1066.045
38.5	1075.481	1096.927	1043.006	998.153	977.320	998.153	1043.006	1096.927	1075.481	1052.320
39.0	1062.123	1083.569	1029.648	985.041	964.208	985.041	1029.648	1083.569	1062.123	1038.717
39.5	1049.133	1070.579	1016.658	971.070	950.360	971.070	1016.658	1070.579	1049.133	1025.359
40.0	1035.776	1057.344	1002.810	957.958	937.615	957.958	1002.810	1057.344	1035.776	1011.879
40.5	1022.540	1044.477	989.207	944.477	924.134	944.477	989.207	1044.477	1022.540	997.908
41.0	1009.183	1031.119	975.605	930.997	911.267	930.997	975.605	1031.119	1009.183	984.428
41.5	995.948	1018.251	962.247	917.884	903.179	917.884	962.247	1018.251	995.948	970.825
42.0	982.835	1005.016	948.644	908.203	890.066	908.203	948.644	1005.016	982.835	957.345
42.5	969.600	992.271	935.409	896.071	876.708	896.071	935.409	992.271	969.600	943.497
43.0	956.610	978.791	921.929	882.713	863.841	882.713	921.929	978.791	956.610	929.649
43.5	943.129	965.556	911.022	869.478	850.728	869.478	911.022	965.556	943.129	916.414
44.0	930.507	951.708	899.135	856.243	837.861	856.243	899.135	951.708	930.507	905.017
44.5	917.394	939.085	887.002	843.130	824.625	843.130	887.002	939.085	917.394	894.110
45.0	907.836	925.973	873.767	829.895	811.513	829.895	873.767	925.973	907.836	880.630
45.5	896.193	914.943	860.655	817.027	798.523	817.027	860.655	914.943	896.193	867.027
46.0	883.203	901.831	847.787	804.037	785.900	804.037	847.787	901.831	883.203	853.669
46.5	870.336	890.924	834.919	791.292	773.033	791.292	834.919	890.924	870.336	840.434
47.0	857.346	877.566	822.297	778.547	760.410	778.547	822.297	877.566	857.346	827.199
47.5	844.356	864.331	809.307	766.048	747.788	766.048	809.307	864.331	844.356	814.086
48.0	831.366	851.096	796.562	753.425	735.411	753.425	796.562	851.096	831.366	801.096
48.5	818.376	837.983	783.694	740.925	723.278	740.925	783.694	837.983	818.376	788.229
49.0	805.631	824.871	771.195	728.548	711.391	728.548	771.195	824.871	805.631	775.484
49.5	792.763	811.758	758.695	716.170	699.627	716.170	758.695	811.758	792.763	762.861
50.0	779.895	798.768	746.195	704.038	687.862	704.038	746.195	798.768	779.895	750.239
50.5	767.028	785.655	733.572	691.906	676.587	691.906	733.572	785.655	767.028	737.739
51.0	754.283	772.665	720.950	680.141	665.068	680.141	720.950	772.665	754.283	725.239
51.5	741.538	759.552	708.573	668.499	653.794	668.499	708.573	759.552	741.538	712.862
52.0	728.793	746.807	696.318	656.735	642.642	656.735	696.318	746.807	728.793	700.484
52.5	716.170	734.062	684.063	645.093	631.367	645.093	684.063	734.062	716.170	687.984
53.0	703.548	721.195	671.931	633.573	620.338	633.573	671.931	721.195	703.548	675.730
53.5	690.803	708.205	660.044	622.176	609.186	622.176	660.044	708.205	690.803	663.475
54.0	678.181	695.337	648.034	610.902	598.034	610.902	648.034	695.337	678.181	651.098
54.5	665.558	682.715	636.147	599.627	587.005	599.627	636.147	682.715	665.558	638.720

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

55.0	653.181	669.970	624.382	588.475	576.098	588.475	624.382	669.970	653.181	626.588
55.5	640.803	657.470	612.617	577.324	565.191	577.324	612.617	657.470	640.803	614.578
56.0	628.181	644.848	600.975	566.294	554.162	566.294	600.975	644.848	628.181	602.446
56.5	615.681	632.225	589.333	555.388	543.378	555.388	589.333	632.225	615.681	590.436
57.0	603.426	619.725	577.936	544.481	532.594	544.481	577.936	619.725	603.426	578.427
57.5	591.049	607.225	566.294	533.574	521.932	533.574	566.294	607.225	591.049	566.417
58.0	578.794	594.848	554.652	522.667	511.270	522.667	554.652	594.848	578.794	554.407
58.5	566.784	582.716	543.255	511.883	500.609	511.883	543.255	582.716	566.784	542.397
59.0	554.775	570.583	532.103	501.221	490.069	501.221	532.103	570.583	554.775	530.633
59.5	543.255	558.451	520.952	490.560	479.530	490.560	520.952	558.451	543.255	518.868
60.0	531.491	546.442	509.800	480.021	468.991	480.021	509.800	546.442	531.491	507.226
60.5	519.971	534.554	498.770	469.604	458.820	469.604	498.770	534.554	519.971	495.829
61.0	508.452	522.667	487.741	459.310	448.648	459.310	487.741	522.667	508.452	484.432
61.5	496.687	511.025	476.834	449.138	438.599	449.138	476.834	511.025	496.687	473.158
62.0	484.922	499.628	466.173	438.967	428.673	438.967	466.173	499.628	484.922	461.761
62.5	473.280	488.231	455.511	428.918	418.869	428.918	455.511	488.231	473.280	450.364
63.0	461.761	476.957	445.094	419.114	409.310	419.114	445.094	476.957	461.761	439.089
63.5	450.364	465.437	434.433	409.310	399.752	409.310	434.433	465.437	450.364	427.938
64.0	438.967	453.795	424.016	399.629	390.315	399.629	424.016	453.795	438.967	416.786
64.5	427.815	442.276	413.722	390.070	381.002	390.070	413.722	442.276	427.815	405.634
65.0	416.786	431.001	403.428	380.634	371.811	380.634	403.428	431.001	416.786	394.605
65.5	405.634	419.849	393.502	371.320	362.620	371.320	393.502	419.849	405.634	383.943
66.0	394.727	408.820	383.575	362.007	353.551	362.007	383.575	408.820	394.727	373.281
66.5	383.943	397.791	373.404	352.693	344.482	352.693	373.404	397.791	383.943	362.620
67.0	373.036	387.007	363.600	343.625	335.414	343.625	363.600	387.007	373.036	352.203
67.5	362.374	375.977	353.674	334.433	326.345	334.433	353.674	375.977	362.374	341.909
68.0	351.713	365.193	343.992	325.487	317.399	325.487	343.992	365.193	351.713	331.492
68.5	341.174	354.654	334.433	316.541	308.331	316.541	334.433	354.654	341.174	321.321
69.0	330.512	343.992	324.875	307.718	299.507	307.718	324.875	343.992	330.512	311.149
69.5	320.095	333.698	315.439	298.895	290.806	298.895	315.439	333.698	320.095	301.100
70.0	309.801	323.282	305.880	290.194	282.596	290.194	305.880	323.282	309.801	291.174
70.5	299.507	313.110	296.566	281.738	274.262	281.738	296.566	313.110	299.507	281.248
71.0	289.213	302.816	287.375	273.159	266.052	273.159	287.375	302.816	289.213	271.321
71.5	279.164	292.767	278.306	264.949	257.841	264.949	278.306	292.767	279.164	261.640
72.0	268.993	282.841	269.238	256.616	249.998	256.616	269.238	282.841	268.993	251.836
72.5	258.944	273.037	260.292	248.527	242.155	248.527	260.292	273.037	258.944	242.277
73.0	248.895	263.356	251.468	240.439	234.189	240.439	251.468	263.356	248.895	232.841
73.5	238.969	253.674	242.522	232.351	226.714	232.351	242.522	253.674	238.969	223.405
74.0	229.042	243.993	233.822	224.508	219.238	224.508	233.822	243.993	229.042	214.091
74.5	219.361	234.434	225.243	216.542	211.885	216.542	225.243	234.434	219.361	204.900
75.0	209.925	224.998	216.787	209.067	204.533	209.067	216.787	224.998	209.925	195.832
75.5	200.489	215.684	208.454	201.346	197.302	201.346	208.454	215.684	200.489	186.886
76.0	191.297	206.493	200.121	193.748	190.317	193.748	200.121	206.493	191.297	178.307
76.5	182.106	197.425	192.033	186.396	183.454	186.396	192.033	197.425	182.106	169.729
77.0	173.283	188.356	183.945	179.043	176.714	179.043	183.945	188.356	173.283	161.396
77.5	164.337	179.410	176.101	171.690	169.729	171.690	176.101	179.410	164.337	153.185
78.0	155.759	170.587	168.258	164.582	162.866	164.582	168.258	170.587	155.759	145.097
78.5	147.180	162.008	160.538	157.474	156.126	157.474	160.538	162.008	147.180	137.254
79.0	138.847	153.675	153.062	150.611	149.386	150.611	153.062	153.675	138.847	129.533
79.5	130.636	145.464	145.587	143.749	142.768	143.749	145.587	145.464	130.636	121.935
80.0	122.671	137.376	138.234	137.009	136.273	137.009	138.234	137.376	122.671	114.582
80.5	114.827	129.533	131.004	130.269	129.778	130.269	131.004	129.533	114.827	107.352
81.0	107.352	121.813	124.019	123.773	123.528	123.773	124.019	121.813	107.352	100.367
81.5	99.877	114.215	117.033	117.401	117.156	117.401	117.033	114.215	99.877	93.627
82.0	92.646	106.984	110.293	111.028	111.151	111.028	110.293	106.984	92.646	87.009
82.5	85.784	99.877	103.553	104.656	105.024	104.656	103.553	99.877	85.784	80.637

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

83.0	78.921	93.136	97.058	98.529	99.141	98.529	97.058	93.136	78.921	74.632
83.5	72.303	86.396	90.686	92.524	93.259	92.524	90.686	86.396	72.303	68.627
84.0	65.808	79.901	84.436	86.641	87.499	86.641	84.436	79.901	65.808	62.990
84.5	59.681	73.406	78.431	80.882	81.862	80.882	78.431	73.406	59.681	57.352
85.0	53.676	67.279	72.426	75.244	76.347	75.244	72.426	67.279	53.676	51.838
85.5	47.916	61.151	66.666	69.730	70.833	69.730	66.666	61.151	47.916	46.446
86.0	42.279	55.147	60.906	64.338	65.563	64.338	60.906	55.147	42.279	41.299
86.5	36.887	49.387	55.392	58.946	60.416	58.946	55.392	49.387	36.887	36.274
87.0	31.617	43.872	50.000	53.799	55.269	53.799	50.000	43.872	31.617	31.372
87.5	26.593	38.358	44.730	48.652	50.245	48.652	44.730	38.358	26.593	26.593
88.0	21.691	33.088	39.583	43.627	45.343	43.627	39.583	33.088	21.691	21.814
88.5	16.789	27.818	34.436	38.725	40.686	38.725	34.436	27.818	16.789	16.667
89.0	11.887	22.426	29.412	33.823	36.029	33.823	29.412	22.426	11.887	11.642
89.5	7.721	16.667	23.897	29.166	31.495	29.166	23.897	16.667	7.721	8.701
90.0	6.740	12.132	16.421	20.956	23.407	20.956	16.421	12.132	6.740	9.559
90.5	8.211	10.294	10.294	8.701	8.456	8.701	10.294	10.294	8.211	13.480
91.0	11.152	11.397	10.784	8.946	8.456	8.946	10.784	11.397	11.152	15.564
91.5	13.848	13.480	12.990	10.294	9.681	10.294	12.990	13.480	13.848	17.892
92.0	16.176	15.441	15.564	13.358	12.990	13.358	15.564	15.441	16.176	21.201
92.5	18.995	17.524	17.524	15.931	15.686	15.931	17.524	17.524	18.995	25.613
93.0	22.304	20.956	19.117	17.892	17.524	17.892	19.117	20.956	22.304	29.902
93.5	26.225	25.245	20.711	19.730	19.240	19.730	20.711	25.245	26.225	34.436
94.0	30.637	29.289	22.671	21.568	20.833	21.568	22.671	29.289	30.637	39.460
94.5	35.539	33.333	25.735	23.162	22.426	23.162	25.735	33.333	35.539	45.343
95.0	40.808	37.867	31.740	25.367	24.142	25.367	31.740	37.867	40.808	52.451
95.5	46.323	43.137	39.460	28.676	26.593	28.676	39.460	43.137	46.323	59.803
96.0	52.205	49.632	46.078	32.965	30.392	32.965	46.078	49.632	52.205	68.137
96.5	58.578	58.333	52.451	40.441	35.049	40.441	52.451	58.333	58.578	77.450
97.0	65.196	67.769	58.455	51.470	43.137	51.470	58.455	67.769	65.196	85.539
97.5	72.181	75.735	64.583	59.558	55.269	59.558	64.583	75.735	72.181	93.749
98.0	79.411	84.313	70.955	67.034	63.848	67.034	70.955	84.313	79.411	102.450
98.5	86.764	93.014	77.818	73.896	71.568	73.896	77.818	93.014	86.764	111.274
99.0	94.362	101.225	85.048	80.637	78.798	80.637	85.048	101.225	94.362	120.587
99.5	102.205	109.680	92.769	87.744	85.906	87.744	92.769	109.680	102.205	130.146
100.0	110.293	118.381	100.980	95.342	93.136	95.342	100.980	118.381	110.293	139.950
100.5	118.381	127.082	109.803	102.940	100.857	102.940	109.803	127.082	118.381	149.999
101.0	126.592	136.273	119.484	110.906	108.700	110.906	119.484	136.273	126.592	160.293
101.5	134.925	145.710	133.332	119.117	116.788	119.117	133.332	145.710	134.925	170.709
102.0	143.504	155.268	148.283	127.450	125.122	127.450	148.283	155.268	143.504	181.371
102.5	152.205	165.072	161.641	136.151	133.455	136.151	161.641	165.072	152.205	192.278
103.0	160.906	174.876	175.734	145.097	142.523	145.097	175.734	174.876	160.906	203.552
103.5	169.729	184.802	189.337	154.656	151.224	154.656	189.337	184.802	169.729	215.317
104.0	178.552	194.729	202.449	164.459	160.660	164.459	202.449	194.729	178.552	226.836
104.5	187.498	205.881	215.562	175.856	170.342	175.856	215.562	205.881	187.498	238.478
105.0	196.444	218.135	228.184	191.910	180.391	191.910	228.184	218.135	196.444	249.875
105.5	205.390	230.635	240.439	206.003	191.788	206.003	240.439	230.635	205.390	262.008
106.0	214.459	243.135	252.204	219.238	208.209	219.238	252.204	243.135	214.459	274.998
106.5	223.405	254.410	263.356	233.576	223.037	233.576	263.356	254.410	223.405	287.498
107.0	232.596	264.949	274.385	248.772	235.292	248.772	274.385	264.949	232.596	299.262
107.5	241.787	275.120	285.292	264.826	248.282	264.826	285.292	275.120	241.787	310.659
108.0	250.978	284.924	295.831	281.125	261.640	281.125	295.831	284.924	250.978	321.934
108.5	260.047	294.728	306.125	297.914	276.101	297.914	306.125	294.728	260.047	333.085
109.0	269.115	305.145	317.277	314.091	293.257	314.091	317.277	305.145	269.115	344.115
109.5	278.306	315.684	328.429	329.286	311.272	329.286	328.429	315.684	278.306	355.144
110.0	287.498	326.100	339.703	343.379	328.919	343.379	339.703	326.100	287.498	366.173
110.5	296.566	336.517	350.855	356.247	345.953	356.247	350.855	336.517	296.566	377.570

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

111.0	305.757	346.688	362.007	369.115	362.374	369.115	362.007	346.688	305.757	388.967
111.5	315.071	356.615	373.159	381.369	377.693	381.369	373.159	356.615	315.071	400.487
112.0	324.262	366.051	384.065	393.134	391.296	393.134	384.065	366.051	324.262	412.129
112.5	333.576	375.365	395.217	404.653	403.673	404.653	395.217	375.365	333.576	423.771
113.0	342.644	384.801	406.247	415.560	416.296	415.560	406.247	384.801	342.644	435.536
113.5	351.835	393.992	417.031	425.977	428.673	425.977	417.031	393.992	351.835	447.423
114.0	361.149	403.060	427.815	437.374	440.070	437.374	427.815	403.060	361.149	459.187
114.5	370.463	411.761	438.844	449.138	450.732	449.138	438.844	411.761	370.463	471.197
115.0	379.531	420.462	450.854	461.026	461.393	461.026	450.854	420.462	379.531	483.329
115.5	388.722	429.041	463.722	472.668	472.177	472.668	463.722	429.041	388.722	495.462
116.0	397.913	437.864	477.202	484.432	483.819	484.432	477.202	437.864	397.913	507.471
116.5	407.227	446.933	491.295	495.829	495.584	495.829	491.295	446.933	407.227	519.481
117.0	416.296	456.124	505.020	506.981	507.349	506.981	505.020	456.124	416.296	531.491
117.5	425.364	465.560	518.868	517.888	518.868	517.888	518.868	465.560	425.364	543.500
118.0	434.555	474.873	531.858	528.917	530.020	528.917	531.858	474.873	434.555	555.878
118.5	443.624	484.187	543.133	539.701	541.417	539.701	543.133	484.187	443.624	568.133
119.0	452.937	493.378	553.427	550.486	552.324	550.486	553.427	493.378	452.937	580.387
119.5	462.128	502.447	563.231	560.902	563.353	560.902	563.231	502.447	462.128	592.642
120.0	471.197	511.515	572.912	571.319	573.892	571.319	572.912	511.515	471.197	604.774
120.5	480.266	520.461	582.103	581.735	584.309	581.735	582.103	520.461	480.266	617.152
121.0	489.457	529.285	591.172	592.765	594.603	592.765	591.172	529.285	489.457	629.284
121.5	498.525	538.108	600.240	604.774	605.019	604.774	600.240	538.108	498.525	641.539
122.0	507.716	546.687	609.309	617.274	615.436	617.274	609.309	546.687	507.716	653.671
122.5	516.907	555.265	618.500	630.632	626.220	630.632	618.500	555.265	516.907	665.803
123.0	526.099	563.598	627.691	644.357	637.372	644.357	627.691	563.598	526.099	677.936
123.5	535.412	571.931	636.637	657.593	649.872	657.593	636.637	571.931	535.412	690.190
124.0	544.726	580.142	645.583	670.705	662.617	670.705	645.583	580.142	544.726	702.323
124.5	553.917	588.230	654.529	683.328	676.220	683.328	654.529	588.230	553.917	714.455
125.0	563.108	596.319	663.107	694.602	690.313	694.602	663.107	596.319	563.108	726.587
125.5	572.422	604.407	671.440	704.038	703.916	704.038	671.440	604.407	572.422	738.474
126.0	581.735	612.127	679.529	712.984	717.028	712.984	679.529	612.127	581.735	750.484
126.5	591.049	619.848	687.372	722.053	729.406	722.053	687.372	619.848	591.049	762.249
127.0	600.363	627.446	694.847	730.631	740.312	730.631	694.847	627.446	600.363	774.136
127.5	609.554	634.921	702.200	739.210	749.381	739.210	702.200	634.921	609.554	786.023
128.0	618.990	642.274	709.185	747.420	757.592	747.420	709.185	642.274	618.990	797.665
128.5	628.426	649.504	715.925	755.508	764.945	755.508	715.925	649.504	628.426	809.307
129.0	637.740	656.735	722.298	763.351	772.052	763.351	722.298	656.735	637.740	820.949
129.5	647.176	663.720	728.303	770.827	778.793	770.827	728.303	663.720	647.176	832.346
130.0	656.612	670.583	734.185	777.812	785.533	777.812	734.185	670.583	656.612	843.743
130.5	666.048	677.200	740.067	784.430	792.273	784.430	740.067	677.200	666.048	855.017
131.0	675.485	683.818	745.705	790.680	799.013	790.680	745.705	683.818	675.485	866.414
131.5	684.921	690.435	751.219	796.685	805.876	796.685	751.219	690.435	684.921	877.566
132.0	694.357	696.930	756.611	802.444	812.738	802.444	756.611	696.930	694.357	889.086
132.5	703.916	703.180	762.249	808.204	819.724	808.204	762.249	703.180	703.916	900.238
133.0	713.352	709.308	768.008	814.086	826.586	814.086	768.008	709.308	713.352	911.512
133.5	722.788	715.435	774.258	819.846	833.449	819.846	774.258	715.435	722.788	922.541
134.0	732.224	721.440	780.386	825.483	840.312	825.483	780.386	721.440	732.224	933.693
134.5	741.783	727.322	786.390	830.875	846.929	830.875	786.390	727.322	741.783	944.355
135.0	751.342	733.205	792.273	836.268	853.057	836.268	792.273	733.205	751.342	954.894
135.5	760.901	738.964	798.033	841.047	858.694	841.047	798.033	738.964	760.901	965.556
136.0	770.337	744.847	803.547	845.949	863.963	845.949	803.547	744.847	770.337	976.585
136.5	779.895	750.729	808.817	849.993	868.253	849.993	808.817	750.729	779.895	986.389
137.0	789.454	756.366	814.086	853.914	872.419	853.914	814.086	756.366	789.454	997.786
137.5	798.890	762.126	819.233	857.223	876.341	857.223	819.233	762.126	798.890	1008.080
138.0	808.449	768.131	824.380	860.409	879.895	860.409	824.380	768.131	808.449	1018.251
138.5	818.130	774.013	828.915	863.596	882.591	863.596	828.915	774.013	818.130	1028.055

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

139.0	827.812	779.895	833.326	866.782	885.287	866.782	833.326	779.895	827.812	1038.104
139.5	837.370	785.778	837.616	869.968	887.983	869.968	837.616	785.778	837.370	1048.153
140.0	846.929	791.538	841.782	873.277	890.434	873.277	841.782	791.538	846.929	1058.447
140.5	856.610	797.297	845.581	876.831	892.762	876.831	845.581	797.297	856.610	1067.516
141.0	866.169	803.057	849.380	880.630	895.458	880.630	849.380	803.057	866.169	1076.952
141.5	875.728	808.817	852.812	884.429	898.277	884.429	852.812	808.817	875.728	1086.143
142.0	885.287	814.454	856.120	888.228	900.973	888.228	856.120	814.454	885.287	1095.702
142.5	894.478	820.091	859.184	891.782	903.669	891.782	859.184	820.091	894.478	1104.403
143.0	903.791	825.851	862.125	895.213	906.365	895.213	862.125	825.851	903.791	1113.471
143.5	912.983	831.611	864.821	898.399	909.429	898.399	864.821	831.611	912.983	1121.804
144.0	921.683	837.493	867.272	901.463	912.247	901.463	867.272	837.493	921.683	1129.770
144.5	931.242	843.253	869.723	904.282	914.943	904.282	869.723	843.253	931.242	1137.736
145.0	940.311	849.135	871.929	906.978	917.639	906.978	871.929	849.135	940.311	1145.946
145.5	949.012	855.017	874.012	909.429	919.968	909.429	874.012	855.017	949.012	1153.422
146.0	958.325	860.900	875.973	911.635	922.296	911.635	875.973	860.900	958.325	1161.142
146.5	966.904	866.782	877.934	913.840	924.257	913.840	877.934	866.782	966.904	1168.373
147.0	975.482	872.664	879.895	915.924	926.218	915.924	879.895	872.664	975.482	1176.338
147.5	983.938	878.792	881.855	917.639	927.566	917.639	881.855	878.792	983.938	1184.059
148.0	993.497	885.042	884.061	918.987	928.056	918.987	884.061	885.042	993.497	1190.186
148.5	1001.585	891.414	886.512	920.213	930.262	920.213	886.512	891.414	1001.585	1197.416
149.0	1010.286	897.664	888.963	921.071	930.997	921.071	888.963	897.664	1010.286	1204.279
149.5	1018.619	904.159	891.659	922.541	930.997	922.541	891.659	904.159	1018.619	1211.264
150.0	1027.197	910.654	894.723	923.644	932.100	923.644	894.723	910.654	1027.197	1218.495
150.5	1035.776	917.272	898.032	924.380	933.080	924.380	898.032	917.272	1035.776	1224.622
151.0	1044.599	924.134	901.586	925.605	934.183	925.605	901.586	924.134	1044.599	1230.382
151.5	1052.810	931.120	905.262	926.830	934.428	926.830	905.262	931.120	1052.810	1236.509
152.0	1061.878	938.227	909.184	928.546	935.041	928.546	909.184	938.227	1061.878	1242.637
152.5	1070.089	945.458	913.350	929.527	935.409	929.527	913.350	945.458	1070.089	1248.764
153.0	1078.055	951.953	917.517	930.752	936.512	930.752	917.517	951.953	1078.055	1254.891
153.5	1085.775	959.551	922.296	932.590	937.492	932.590	922.296	959.551	1085.775	1259.793
154.0	1093.128	967.271	926.463	934.551	938.595	934.551	926.463	967.271	1093.128	1264.695
154.5	1100.726	974.257	931.487	936.757	940.311	936.757	931.487	974.257	1100.726	1269.597
155.0	1108.447	981.855	936.512	939.085	942.884	939.085	936.512	981.855	1108.447	1275.725
155.5	1115.800	989.453	941.414	941.536	944.600	941.536	941.414	989.453	1115.800	1279.401
156.0	1123.275	997.173	947.173	944.600	947.296	944.600	947.173	997.173	1123.275	1284.303
156.5	1130.995	1004.894	952.443	948.031	949.747	948.031	952.443	1004.894	1130.995	1287.979
157.0	1138.103	1012.246	957.590	951.708	952.566	951.708	957.590	1012.246	1138.103	1291.656
157.5	1144.843	1019.967	963.595	955.874	956.242	955.874	963.595	1019.967	1144.843	1294.107
158.0	1151.706	1028.055	969.600	959.796	958.938	959.796	969.600	1028.055	1151.706	1299.009
158.5	1158.814	1035.531	976.708	963.963	962.615	963.963	976.708	1035.531	1158.814	1301.460
159.0	1164.941	1043.986	982.345	968.619	967.149	968.619	982.345	1043.986	1164.941	1305.136
159.5	1172.049	1051.707	988.472	973.644	970.703	973.644	988.472	1051.707	1172.049	1307.587
160.0	1178.544	1059.182	995.212	978.913	974.624	978.913	995.212	1059.182	1178.544	1311.264
160.5	1184.794	1067.270	1002.688	984.183	978.668	984.183	1002.688	1067.270	1184.794	1314.940
161.0	1190.921	1075.604	1009.550	990.065	983.570	990.065	1009.550	1075.604	1190.921	1317.391
161.5	1197.171	1083.079	1016.658	995.335	988.227	995.335	1016.658	1083.079	1197.171	1319.842
162.0	1203.054	1090.800	1024.501	1001.830	993.129	1001.830	1024.501	1090.800	1203.054	1322.293
162.5	1208.568	1098.643	1031.486	1008.202	998.644	1008.202	1031.486	1098.643	1208.568	1324.744
163.0	1214.818	1106.363	1038.962	1013.962	1004.526	1013.962	1038.962	1106.363	1214.818	1327.195
163.5	1220.088	1114.329	1046.682	1021.070	1010.898	1021.070	1046.682	1114.329	1220.088	1329.646
164.0	1225.235	1122.662	1054.280	1027.810	1017.148	1027.810	1054.280	1122.662	1225.235	1332.097
164.5	1230.382	1130.015	1061.878	1035.408	1023.031	1035.408	1061.878	1130.015	1230.382	1333.322
165.0	1235.284	1137.981	1069.476	1042.516	1030.506	1042.516	1069.476	1137.981	1235.284	1335.773
165.5	1240.186	1144.966	1077.197	1049.869	1037.614	1049.869	1077.197	1144.966	1240.186	1336.999
166.0	1246.313	1152.441	1085.408	1056.976	1045.702	1056.976	1085.408	1152.441	1246.313	1338.224
166.5	1249.990	1160.652	1093.128	1064.942	1053.055	1064.942	1093.128	1160.652	1249.990	1339.450

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

167.0	1254.891	1167.760	1100.604	1073.520	1061.878	1073.520	1100.604	1167.760	1254.891	1340.675
167.5	1259.793	1175.235	1109.304	1081.241	1069.844	1081.241	1109.304	1175.235	1259.793	1341.901
168.0	1264.695	1182.833	1117.148	1088.961	1077.442	1088.961	1117.148	1182.833	1264.695	1341.901
168.5	1268.372	1190.309	1124.746	1097.785	1087.368	1097.785	1124.746	1190.309	1268.372	1343.126
169.0	1272.048	1196.681	1132.956	1106.118	1095.702	1106.118	1132.956	1196.681	1272.048	1343.126
169.5	1274.499	1202.931	1141.289	1113.961	1105.383	1113.961	1141.289	1202.931	1274.499	1343.126
170.0	1279.401	1209.671	1149.745	1122.785	1113.961	1122.785	1149.745	1209.671	1279.401	1343.126
170.5	1281.852	1216.534	1157.833	1131.118	1124.010	1131.118	1157.833	1216.534	1281.852	1343.126
171.0	1285.528	1222.416	1165.677	1140.187	1133.324	1140.187	1165.677	1222.416	1285.528	1341.901
171.5	1287.979	1229.156	1173.887	1148.275	1142.392	1148.275	1173.887	1229.156	1287.979	1341.901
172.0	1291.656	1235.284	1181.608	1157.588	1152.564	1157.588	1181.608	1235.284	1291.656	1341.901
172.5	1294.107	1241.411	1189.573	1167.147	1161.387	1167.147	1189.573	1241.411	1294.107	1340.675
173.0	1297.783	1247.539	1197.907	1175.848	1172.294	1175.848	1197.907	1247.539	1297.783	1339.450
173.5	1300.234	1252.441	1205.750	1185.039	1181.608	1185.039	1205.750	1252.441	1300.234	1339.450
174.0	1301.460	1258.568	1213.838	1195.088	1190.309	1195.088	1213.838	1258.568	1301.460	1336.999
174.5	1303.911	1264.695	1222.171	1204.647	1200.725	1204.647	1222.171	1264.695	1303.911	1335.773
175.0	1306.362	1268.372	1229.156	1213.103	1211.509	1213.103	1229.156	1268.372	1306.362	1334.548
175.5	1307.587	1274.499	1237.735	1223.152	1220.823	1223.152	1237.735	1274.499	1307.587	1332.097
176.0	1308.813	1278.176	1245.088	1232.833	1230.382	1232.833	1245.088	1278.176	1308.813	1329.646
176.5	1310.038	1283.078	1252.441	1242.637	1240.186	1242.637	1252.441	1283.078	1310.038	1329.646
177.0	1311.264	1289.205	1259.793	1251.215	1251.215	1251.215	1259.793	1289.205	1311.264	1325.969
177.5	1312.489	1291.656	1267.146	1261.019	1259.793	1261.019	1267.146	1291.656	1312.489	1323.518
178.0	1313.715	1295.332	1274.499	1269.597	1270.823	1269.597	1274.499	1295.332	1313.715	1321.067
178.5	1313.715	1300.234	1280.627	1279.401	1279.401	1279.401	1280.627	1300.234	1313.715	1318.616
179.0	1314.940	1303.911	1287.979	1286.754	1289.205	1286.754	1287.979	1303.911	1314.940	1316.165
179.5	1314.940	1306.362	1294.107	1296.558	1299.009	1296.558	1294.107	1306.362	1314.940	1313.715
180.0	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362

## Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329	1670.329
0.5	1666.653	1672.780	1674.006	1672.780	1666.653	1674.006	1658.074
1.0	1665.427	1671.555	1672.780	1671.555	1665.427	1674.006	1656.849
1.5	1664.202	1670.329	1672.780	1670.329	1664.202	1672.780	1656.849
2.0	1662.976	1669.104	1671.555	1669.104	1662.976	1671.555	1655.623
2.5	1661.751	1666.653	1670.329	1666.653	1661.751	1669.104	1655.623
3.0	1659.300	1665.427	1669.104	1665.427	1659.300	1667.878	1654.398
3.5	1658.074	1662.976	1666.653	1662.976	1658.074	1665.427	1653.172
4.0	1654.398	1660.525	1664.202	1660.525	1654.398	1664.202	1650.722
4.5	1651.947	1656.849	1660.525	1656.849	1651.947	1661.751	1648.271
5.0	1649.496	1654.398	1658.074	1654.398	1649.496	1659.300	1647.045
5.5	1645.820	1650.722	1654.398	1650.722	1645.820	1655.623	1644.594
6.0	1642.143	1645.820	1649.496	1645.820	1642.143	1653.172	1642.143
6.5	1638.467	1642.143	1645.820	1642.143	1638.467	1649.496	1639.692
7.0	1633.565	1637.241	1639.692	1637.241	1633.565	1645.820	1636.016
7.5	1629.888	1632.339	1634.790	1632.339	1629.888	1642.143	1633.565
8.0	1624.986	1626.212	1628.663	1626.212	1624.986	1638.467	1629.888
8.5	1620.085	1621.310	1622.535	1621.310	1620.085	1634.790	1626.212
9.0	1615.183	1615.183	1615.183	1615.183	1615.183	1631.114	1622.535
9.5	1610.281	1607.830	1607.830	1607.830	1610.281	1626.212	1617.634
10.0	1605.379	1601.702	1600.477	1601.702	1605.379	1621.310	1613.957
10.5	1599.251	1594.349	1591.898	1594.349	1599.251	1616.408	1609.055
11.0	1593.124	1586.997	1584.546	1586.997	1593.124	1611.506	1604.153
11.5	1586.997	1579.644	1575.967	1579.644	1586.997	1606.604	1599.251
12.0	1579.644	1572.291	1566.163	1572.291	1579.644	1600.477	1594.349



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

12.5	1572.291	1563.712	1557.585	1563.712	1572.291	1595.575	1588.222
13.0	1564.938	1555.134	1549.007	1555.134	1564.938	1589.448	1583.320
13.5	1557.585	1546.556	1539.203	1546.556	1557.585	1583.320	1577.193
14.0	1550.232	1537.977	1529.399	1537.977	1550.232	1577.193	1571.065
14.5	1542.879	1528.174	1519.595	1528.174	1542.879	1569.840	1564.938
15.0	1534.301	1519.595	1508.566	1519.595	1534.301	1563.712	1558.811
15.5	1525.723	1508.566	1498.762	1508.566	1525.723	1556.360	1552.683
16.0	1517.144	1499.987	1488.958	1499.987	1517.144	1550.232	1545.330
16.5	1508.566	1488.958	1477.929	1488.958	1508.566	1541.654	1539.203
17.0	1499.987	1479.154	1466.900	1479.154	1499.987	1534.301	1531.850
17.5	1488.958	1468.125	1455.870	1468.125	1488.958	1526.948	1524.497
18.0	1480.380	1458.321	1444.841	1458.321	1480.380	1518.370	1517.144
18.5	1470.576	1446.066	1432.586	1446.066	1470.576	1511.017	1509.791
19.0	1460.772	1435.037	1420.331	1435.037	1460.772	1502.438	1502.438
19.5	1450.968	1424.008	1409.302	1424.008	1450.968	1493.860	1495.086
20.0	1439.939	1411.753	1397.047	1411.753	1439.939	1484.056	1486.507
20.5	1428.910	1400.724	1384.792	1400.724	1428.910	1475.478	1477.929
21.0	1419.106	1388.469	1372.538	1388.469	1419.106	1465.674	1469.350
21.5	1408.076	1376.214	1360.283	1376.214	1408.076	1457.096	1460.772
22.0	1397.047	1365.185	1346.802	1365.185	1397.047	1447.292	1452.194
22.5	1386.018	1351.704	1333.322	1351.704	1386.018	1437.488	1442.390
23.0	1374.989	1339.450	1321.067	1339.450	1374.989	1427.684	1433.812
23.5	1363.959	1327.195	1308.813	1327.195	1363.959	1417.880	1424.008
24.0	1351.704	1314.940	1295.332	1314.940	1351.704	1406.851	1414.204
24.5	1341.901	1302.685	1283.078	1302.685	1341.901	1397.047	1405.626
25.0	1329.646	1290.430	1270.823	1290.430	1329.646	1386.018	1394.596
25.5	1318.616	1278.176	1257.342	1278.176	1318.616	1376.214	1384.792
26.0	1306.362	1265.921	1243.862	1265.921	1306.362	1365.185	1374.989
26.5	1295.332	1253.666	1231.607	1253.666	1295.332	1354.155	1363.959
27.0	1283.078	1241.411	1218.740	1241.411	1283.078	1343.126	1354.155
27.5	1272.048	1227.931	1205.872	1227.931	1272.048	1332.097	1341.901
28.0	1258.568	1216.044	1192.269	1216.044	1258.568	1319.842	1332.097
28.5	1247.539	1202.809	1179.892	1202.809	1247.539	1308.813	1321.067
29.0	1234.058	1190.309	1166.657	1190.309	1234.058	1296.558	1308.813
29.5	1221.681	1176.951	1153.544	1176.951	1221.681	1284.303	1297.783
30.0	1209.059	1163.838	1140.799	1163.838	1209.059	1273.274	1285.528
30.5	1196.068	1150.971	1127.687	1150.971	1196.068	1261.019	1274.499
31.0	1183.078	1137.736	1114.697	1137.736	1183.078	1248.764	1262.244
31.5	1169.966	1123.765	1101.339	1123.765	1169.966	1236.509	1251.215
32.0	1156.853	1110.040	1087.859	1110.040	1156.853	1224.009	1238.960
32.5	1143.495	1096.559	1074.623	1096.559	1143.495	1211.264	1226.705
33.0	1130.260	1082.957	1061.143	1082.957	1130.260	1198.642	1214.573
33.5	1116.902	1069.354	1047.785	1069.354	1116.902	1185.652	1202.318
34.0	1104.035	1055.016	1034.305	1055.016	1104.035	1172.294	1190.186
34.5	1090.677	1040.923	1021.070	1040.923	1090.677	1159.549	1178.299
35.0	1077.565	1026.830	1006.732	1026.830	1077.565	1145.946	1165.554
35.5	1064.329	1013.104	992.884	1013.104	1064.329	1132.711	1152.932
36.0	1051.094	998.644	977.933	998.644	1051.094	1119.476	1140.064
36.5	1037.491	985.531	964.575	985.531	1037.491	1106.118	1127.564
37.0	1024.011	971.070	950.727	971.070	1024.011	1092.638	1114.819
37.5	1010.163	957.345	936.267	957.345	1010.163	1079.403	1101.829
38.0	996.560	943.129	922.786	943.129	996.560	1066.045	1088.349
38.5	983.080	929.281	907.958	929.281	983.080	1052.320	1075.481
39.0	968.497	916.046	898.644	916.046	968.497	1038.717	1062.123
39.5	954.404	903.791	884.551	903.791	954.404	1025.359	1049.133
40.0	940.924	892.272	870.458	892.272	940.924	1011.879	1035.776

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

40.5	927.443	878.301	856.488	878.301	927.443	997.908	1022.540
41.0	913.473	864.454	842.763	864.454	913.473	984.428	1009.183
41.5	901.708	850.606	829.282	850.606	901.708	970.825	995.948
42.0	890.556	837.125	816.047	837.125	890.556	957.345	982.835
42.5	877.076	823.890	802.934	823.890	877.076	943.497	969.600
43.0	863.841	810.900	790.312	810.900	863.841	929.649	956.610
43.5	850.606	798.155	777.812	798.155	850.606	916.414	943.129
44.0	837.493	785.533	765.435	785.533	837.493	905.017	930.507
44.5	824.503	773.033	753.425	773.033	824.503	894.110	917.394
45.0	811.758	760.533	741.783	760.533	811.758	880.630	907.836
45.5	799.013	748.401	729.896	748.401	799.013	867.027	896.193
46.0	786.513	736.268	718.254	736.268	786.513	853.669	883.203
46.5	774.136	724.136	706.612	724.136	774.136	840.434	870.336
47.0	761.636	712.126	695.215	712.126	761.636	827.199	857.346
47.5	749.381	700.117	683.695	700.117	749.381	814.086	844.356
48.0	736.881	688.230	671.808	688.230	736.881	801.096	831.366
48.5	724.626	676.342	660.289	676.342	724.626	788.229	818.376
49.0	712.617	664.578	648.647	664.578	712.617	775.484	805.631
49.5	700.362	652.936	637.250	652.936	700.362	762.861	792.763
50.0	688.230	641.416	625.730	641.416	688.230	750.239	779.895
50.5	676.220	629.897	614.456	629.897	676.220	737.739	767.028
51.0	664.333	618.500	603.059	618.500	664.333	725.239	754.283
51.5	652.446	607.225	591.539	607.225	652.446	712.862	741.538
52.0	640.681	596.073	580.387	596.073	640.681	700.484	728.793
52.5	629.039	585.044	569.358	585.044	629.039	687.984	716.170
53.0	617.274	574.260	558.451	574.260	617.274	675.730	703.548
53.5	605.877	563.353	547.299	563.353	605.877	663.475	690.803
54.0	594.358	552.446	536.393	552.446	594.358	651.098	678.181
54.5	582.838	541.417	525.363	541.417	582.838	638.720	665.558
55.0	571.441	530.633	514.579	530.633	571.441	626.588	653.181
55.5	560.044	519.849	503.917	519.849	560.044	614.578	640.803
56.0	548.647	509.064	493.256	509.064	548.647	602.446	628.181
56.5	537.373	498.403	482.839	498.403	537.373	590.436	615.681
57.0	526.099	487.986	472.545	487.986	526.099	578.427	603.426
57.5	514.824	477.447	462.374	477.447	514.824	566.417	591.049
58.0	503.672	466.785	452.080	466.785	503.672	554.407	578.794
58.5	492.643	456.491	442.276	456.491	492.643	542.397	566.784
59.0	481.736	446.320	432.104	446.320	481.736	530.633	554.775
59.5	470.952	436.148	422.178	436.148	470.952	518.868	543.255
60.0	460.168	426.099	412.742	426.099	460.168	507.226	531.491
60.5	449.506	416.173	403.060	416.173	449.506	495.829	519.971
61.0	438.967	406.369	393.624	406.369	438.967	484.432	508.452
61.5	428.428	396.688	384.311	396.688	428.428	473.158	496.687
62.0	418.134	387.129	375.119	387.129	418.134	461.761	484.922
62.5	407.962	377.815	366.051	377.815	407.962	450.364	473.280
63.0	397.668	368.624	357.105	368.624	397.668	439.089	461.761
63.5	387.497	359.433	348.281	359.433	387.497	427.938	450.364
64.0	377.570	350.365	339.458	350.365	377.570	416.786	438.967
64.5	367.644	341.296	330.757	341.296	367.644	405.634	427.815
65.0	357.963	332.350	322.179	332.350	357.963	394.605	416.786
65.5	348.281	323.527	313.355	323.527	348.281	383.943	405.634
66.0	338.723	314.703	304.899	314.703	338.723	373.281	394.727
66.5	329.286	306.002	296.444	306.002	329.286	362.620	383.943
67.0	319.850	297.547	288.110	297.547	319.850	352.203	373.036
67.5	310.659	288.968	279.532	288.968	310.659	341.909	362.374
68.0	301.100	280.267	270.954	280.267	301.100	331.492	351.713

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

68.5	291.909	271.811	262.253	271.811	291.909	321.321	341.174
69.0	282.963	263.478	254.042	263.478	282.963	311.149	330.512
69.5	273.895	255.267	246.076	255.267	273.895	301.100	320.095
70.0	265.071	247.179	237.988	247.179	265.071	291.174	309.801
70.5	256.125	238.969	230.145	238.969	256.125	281.248	299.507
71.0	247.302	231.003	221.934	231.003	247.302	271.321	289.213
71.5	238.478	223.282	213.724	223.282	238.478	261.640	279.164
72.0	229.777	215.684	206.126	215.684	229.777	251.836	268.993
72.5	221.444	208.209	198.773	208.209	221.444	242.277	258.944
73.0	213.234	200.979	191.543	200.979	213.234	232.841	248.895
73.5	205.145	193.748	184.435	193.748	205.145	223.405	238.969
74.0	197.057	186.641	177.449	186.641	197.057	214.091	229.042
74.5	189.214	179.655	170.709	179.655	189.214	204.900	219.361
75.0	181.494	172.793	164.582	172.793	181.494	195.832	209.925
75.5	173.896	166.053	159.067	166.053	173.896	186.886	200.489
76.0	166.543	159.435	154.165	159.435	166.543	178.307	191.297
76.5	159.435	152.817	149.141	152.817	159.435	169.729	182.106
77.0	152.327	146.200	143.259	146.200	152.327	161.396	173.283
77.5	145.219	139.705	137.499	139.705	145.219	153.185	164.337
78.0	138.112	133.210	131.862	133.210	138.112	145.097	155.759
78.5	131.249	126.960	126.102	126.960	131.249	137.254	147.180
79.0	124.509	120.832	120.097	120.832	124.509	129.533	138.847
79.5	117.769	114.827	114.337	114.827	117.769	121.935	130.636
80.0	111.151	108.823	108.578	108.823	111.151	114.582	122.671
80.5	104.656	102.940	102.940	102.940	104.656	107.352	114.827
81.0	98.406	97.181	97.426	97.181	98.406	100.367	107.352
81.5	92.156	91.543	91.911	91.543	92.156	93.627	99.877
82.0	86.151	86.029	86.519	86.029	86.151	87.009	92.646
82.5	80.391	80.514	81.249	80.514	80.391	80.637	85.784
83.0	74.632	75.244	76.102	75.244	74.632	74.632	78.921
83.5	68.995	70.097	71.078	70.097	68.995	68.627	72.303
84.0	63.602	64.950	66.053	64.950	63.602	62.990	65.808
84.5	58.333	60.049	61.274	60.049	58.333	57.352	59.681
85.0	53.186	55.147	56.495	55.147	53.186	51.838	53.676
85.5	48.161	50.490	51.838	50.490	48.161	46.446	47.916
86.0	43.259	45.833	47.304	45.833	43.259	41.299	42.279
86.5	38.480	41.299	42.892	41.299	38.480	36.274	36.887
87.0	33.946	36.887	38.603	36.887	33.946	31.372	31.617
87.5	29.412	32.598	34.436	32.598	29.412	26.593	26.593
88.0	24.755	27.083	28.799	27.083	24.755	21.814	21.691
88.5	17.769	17.402	17.279	17.402	17.769	16.667	16.789
89.0	10.907	10.417	12.255	10.417	10.907	11.642	11.887
89.5	8.333	8.333	11.397	8.333	8.333	8.701	7.721
90.0	9.559	8.701	11.887	8.701	9.559	9.559	6.740
90.5	15.318	16.299	17.157	16.299	15.318	13.480	8.211
91.0	17.769	19.117	19.975	19.117	17.769	15.564	11.152
91.5	19.853	21.446	22.059	21.446	19.853	17.892	13.848
92.0	21.814	23.652	24.019	23.652	21.814	21.201	16.176
92.5	23.774	25.613	25.858	25.613	23.774	25.613	18.995
93.0	26.715	27.696	27.818	27.696	26.715	29.902	22.304
93.5	31.250	30.269	29.902	30.269	31.250	34.436	26.225
94.0	39.093	33.823	33.333	33.823	39.093	39.460	30.637
94.5	48.161	38.235	37.500	38.235	48.161	45.343	35.539
95.0	55.514	44.853	42.402	44.853	55.514	52.451	40.808
95.5	62.254	57.843	49.264	57.843	62.254	59.803	46.323
96.0	69.117	71.568	65.073	71.568	69.117	68.137	52.205

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

96.5	76.347	80.391	81.127	80.391	76.347	77.450	58.578
97.0	83.945	88.357	90.318	88.357	83.945	85.539	65.196
97.5	92.034	95.955	98.774	95.955	92.034	93.749	72.181
98.0	100.489	103.798	106.862	103.798	100.489	102.450	79.411
98.5	109.313	112.131	115.318	112.131	109.313	111.274	86.764
99.0	118.626	120.832	124.019	120.832	118.626	120.587	94.362
99.5	129.288	129.901	133.087	129.901	129.288	130.146	102.205
100.0	140.808	139.460	142.401	139.460	140.808	139.950	110.293
100.5	152.327	149.263	152.082	149.263	152.327	149.999	118.381
101.0	167.523	159.435	162.008	159.435	167.523	160.293	126.592
101.5	182.842	170.097	172.302	170.097	182.842	170.709	134.925
102.0	199.386	181.003	182.719	181.003	199.386	181.371	143.504
102.5	217.033	192.645	193.626	192.645	217.033	192.278	152.205
103.0	235.415	206.248	204.778	206.248	235.415	203.552	160.906
103.5	252.817	220.586	216.297	220.586	252.817	215.317	169.729
104.0	269.851	234.802	231.003	234.802	269.851	226.836	178.552
104.5	285.904	247.670	248.282	247.670	285.904	238.478	187.498
105.0	301.468	260.537	259.312	260.537	301.468	249.875	196.444
105.5	316.787	275.120	270.218	275.120	316.787	262.008	205.390
106.0	331.983	290.439	283.086	290.439	331.983	274.998	214.459
106.5	346.811	307.350	296.811	307.350	346.811	287.498	223.405
107.0	361.517	325.855	311.394	325.855	361.517	299.262	232.596
107.5	375.855	346.933	326.223	346.933	375.855	310.659	241.787
108.0	390.193	369.605	342.154	369.605	390.193	321.934	250.978
108.5	404.408	392.766	359.923	392.766	404.408	333.085	260.047
109.0	418.869	416.786	379.654	416.786	418.869	344.115	269.115
109.5	432.962	440.437	401.590	440.437	432.962	355.144	278.306
110.0	447.178	462.986	425.732	462.986	447.178	366.173	287.498
110.5	461.271	484.432	451.467	484.432	461.271	377.570	296.566
111.0	475.364	504.530	477.447	504.530	475.364	388.967	305.757
111.5	489.579	523.770	502.814	523.770	489.579	400.487	315.071
112.0	503.795	541.662	527.447	541.662	503.795	412.129	324.262
112.5	517.888	558.696	550.731	558.696	517.888	423.771	333.576
113.0	531.981	575.240	572.789	575.240	531.981	435.536	342.644
113.5	546.442	591.172	593.255	591.172	546.442	447.423	351.835
114.0	561.270	606.858	612.617	606.858	561.270	459.187	361.149
114.5	576.343	622.421	630.632	622.421	576.343	471.197	370.463
115.0	591.539	637.617	647.789	637.617	591.539	483.329	379.531
115.5	607.225	652.446	664.333	652.446	607.225	495.462	388.722
116.0	623.402	667.274	680.141	667.274	623.402	507.471	397.913
116.5	639.823	681.980	695.705	681.980	639.823	519.481	407.227
117.0	656.490	696.318	710.656	696.318	656.490	531.491	416.296
117.5	672.788	710.778	725.484	710.778	672.788	543.500	425.364
118.0	688.230	725.116	740.190	725.116	688.230	555.878	434.555
118.5	702.690	739.332	754.528	739.332	702.690	568.133	443.624
119.0	716.783	753.425	768.744	753.425	716.783	580.387	452.937
119.5	730.264	767.396	782.592	767.396	730.264	592.642	462.128
120.0	743.131	781.611	796.439	781.611	743.131	604.774	471.197
120.5	755.631	796.072	810.410	796.072	755.631	617.152	480.266
121.0	767.518	810.778	824.135	810.778	767.518	629.284	489.457
121.5	779.283	826.096	837.493	826.096	779.283	641.539	498.525
122.0	790.680	841.905	851.463	841.905	790.680	653.671	507.716
122.5	802.077	857.959	865.802	857.959	802.077	665.803	516.907
123.0	813.719	874.257	880.752	874.257	813.719	677.936	526.099
123.5	824.993	890.556	896.316	890.556	824.993	690.190	535.412
124.0	836.513	906.242	912.370	906.242	836.513	702.323	544.726

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

124.5	848.155	921.316	928.179	921.316	848.155	714.455	553.917
125.0	860.042	935.654	943.865	935.654	860.042	726.587	563.108
125.5	872.174	948.276	959.061	948.276	872.174	738.474	572.422
126.0	884.184	961.144	972.541	961.144	884.184	750.484	581.735
126.5	896.193	971.561	986.144	971.561	896.193	762.249	591.049
127.0	907.958	982.957	998.031	982.957	907.958	774.136	600.363
127.5	919.845	993.742	1009.795	993.742	919.845	786.023	609.554
128.0	931.732	1004.036	1019.967	1004.036	931.732	797.665	618.990
128.5	943.742	1014.085	1029.893	1014.085	943.742	809.307	628.426
129.0	955.384	1025.114	1039.942	1025.114	955.384	820.949	637.740
129.5	967.639	1035.653	1051.462	1035.653	967.639	832.346	647.176
130.0	978.913	1046.070	1062.981	1046.070	978.913	843.743	656.612
130.5	990.555	1056.364	1074.623	1056.364	990.555	855.017	666.048
131.0	1001.462	1066.535	1085.775	1066.535	1001.462	866.414	675.485
131.5	1012.737	1076.462	1095.334	1076.462	1012.737	877.566	684.921
132.0	1023.398	1087.123	1106.118	1087.123	1023.398	889.086	694.357
132.5	1033.937	1096.437	1115.554	1096.437	1033.937	900.238	703.916
133.0	1044.844	1106.363	1125.603	1106.363	1044.844	911.512	713.352
133.5	1055.628	1116.290	1133.692	1116.290	1055.628	922.541	722.788
134.0	1065.187	1126.339	1143.128	1126.339	1065.187	933.693	732.224
134.5	1076.094	1137.123	1152.319	1137.123	1076.094	944.355	741.783
135.0	1086.388	1147.172	1161.878	1147.172	1086.388	954.894	751.342
135.5	1096.314	1156.485	1171.314	1156.485	1096.314	965.556	760.901
136.0	1106.363	1166.779	1181.118	1166.779	1106.363	976.585	770.337
136.5	1116.045	1176.706	1190.064	1176.706	1116.045	986.389	779.895
137.0	1126.094	1186.755	1200.113	1186.755	1126.094	997.786	789.454
137.5	1135.407	1197.294	1210.161	1197.294	1135.407	1008.080	798.890
138.0	1146.069	1207.220	1220.088	1207.220	1146.069	1018.251	808.449
138.5	1155.505	1216.779	1230.382	1216.779	1155.505	1028.055	818.130
139.0	1165.186	1225.480	1238.960	1225.480	1165.186	1038.104	827.812
139.5	1174.500	1235.284	1248.764	1235.284	1174.500	1048.153	837.370
140.0	1184.549	1245.088	1258.568	1245.088	1184.549	1058.447	846.929
140.5	1193.250	1254.891	1268.372	1254.891	1193.250	1067.516	856.610
141.0	1202.686	1264.695	1276.950	1264.695	1202.686	1076.952	866.169
141.5	1211.264	1273.274	1286.754	1273.274	1211.264	1086.143	875.728
142.0	1220.823	1281.852	1296.558	1281.852	1220.823	1095.702	885.287
142.5	1229.156	1291.656	1303.911	1291.656	1229.156	1104.403	894.478
143.0	1236.509	1300.234	1314.940	1300.234	1236.509	1113.471	903.791
143.5	1245.088	1308.813	1323.518	1308.813	1245.088	1121.804	912.983
144.0	1253.666	1317.391	1333.322	1317.391	1253.666	1129.770	921.683
144.5	1261.019	1325.969	1341.901	1325.969	1261.019	1137.736	931.242
145.0	1268.372	1334.548	1351.704	1334.548	1268.372	1145.946	940.311
145.5	1275.725	1343.126	1361.508	1343.126	1275.725	1153.422	949.012
146.0	1281.852	1350.479	1371.312	1350.479	1281.852	1161.142	958.325
146.5	1289.205	1357.832	1378.665	1357.832	1289.205	1168.373	966.904
147.0	1295.332	1365.185	1387.243	1365.185	1295.332	1176.338	975.482
147.5	1301.460	1371.312	1393.371	1371.312	1301.460	1184.059	983.938
148.0	1307.587	1377.439	1400.724	1377.439	1307.587	1190.186	993.497
148.5	1313.715	1383.567	1406.851	1383.567	1313.715	1197.416	1001.585
149.0	1318.616	1388.469	1411.753	1388.469	1318.616	1204.279	1010.286
149.5	1324.744	1393.371	1416.655	1393.371	1324.744	1211.264	1018.619
150.0	1330.871	1397.047	1419.106	1397.047	1330.871	1218.495	1027.197
150.5	1335.773	1401.949	1422.782	1401.949	1335.773	1224.622	1035.776
151.0	1339.450	1404.400	1426.459	1404.400	1339.450	1230.382	1044.599
151.5	1345.577	1408.076	1430.135	1408.076	1345.577	1236.509	1052.810
152.0	1349.253	1410.527	1431.361	1410.527	1349.253	1242.637	1061.878

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

152.5	1354.155	1412.978	1433.812	1412.978	1354.155	1248.764	1070.089
153.0	1357.832	1416.655	1437.488	1416.655	1357.832	1254.891	1078.055
153.5	1362.734	1420.331	1439.939	1420.331	1362.734	1259.793	1085.775
154.0	1366.410	1424.008	1443.615	1424.008	1366.410	1264.695	1093.128
154.5	1368.861	1426.459	1446.066	1426.459	1368.861	1269.597	1100.726
155.0	1373.763	1428.910	1449.743	1428.910	1373.763	1275.725	1108.447
155.5	1376.214	1432.586	1452.194	1432.586	1376.214	1279.401	1115.800
156.0	1379.890	1436.263	1454.645	1436.263	1379.890	1284.303	1123.275
156.5	1382.341	1438.713	1457.096	1438.713	1382.341	1287.979	1130.995
157.0	1386.018	1442.390	1459.547	1442.390	1386.018	1291.656	1138.103
157.5	1388.469	1444.841	1461.998	1444.841	1388.469	1294.107	1144.843
158.0	1390.920	1447.292	1464.449	1447.292	1390.920	1299.009	1151.706
158.5	1393.371	1449.743	1465.674	1449.743	1393.371	1301.460	1158.814
159.0	1395.822	1452.194	1468.125	1452.194	1395.822	1305.136	1164.941
159.5	1397.047	1454.645	1470.576	1454.645	1397.047	1307.587	1172.049
160.0	1398.273	1455.870	1471.801	1455.870	1398.273	1311.264	1178.544
160.5	1400.724	1457.096	1473.027	1457.096	1400.724	1314.940	1184.794
161.0	1401.949	1459.547	1475.478	1459.547	1401.949	1317.391	1190.921
161.5	1401.949	1460.772	1475.478	1460.772	1401.949	1319.842	1197.171
162.0	1403.175	1460.772	1476.703	1460.772	1403.175	1322.293	1203.054
162.5	1404.400	1460.772	1476.703	1460.772	1404.400	1324.744	1208.568
163.0	1405.626	1460.772	1477.929	1460.772	1405.626	1327.195	1214.818
163.5	1405.626	1460.772	1476.703	1460.772	1405.626	1329.646	1220.088
164.0	1404.400	1459.547	1475.478	1459.547	1404.400	1332.097	1225.235
164.5	1404.400	1458.321	1474.252	1458.321	1404.400	1333.322	1230.382
165.0	1404.400	1457.096	1473.027	1457.096	1404.400	1335.773	1235.284
165.5	1404.400	1454.645	1471.801	1454.645	1404.400	1336.999	1240.186
166.0	1403.175	1453.419	1469.350	1453.419	1403.175	1338.224	1246.313
166.5	1401.949	1450.968	1466.900	1450.968	1401.949	1339.450	1249.990
167.0	1400.724	1448.517	1464.449	1448.517	1400.724	1340.675	1254.891
167.5	1399.498	1446.066	1460.772	1446.066	1399.498	1341.901	1259.793
168.0	1398.273	1443.615	1457.096	1443.615	1398.273	1341.901	1264.695
168.5	1395.822	1439.939	1453.419	1439.939	1395.822	1343.126	1268.372
169.0	1393.371	1437.488	1449.743	1437.488	1393.371	1343.126	1272.048
169.5	1390.920	1433.812	1446.066	1433.812	1390.920	1343.126	1274.499
170.0	1388.469	1430.135	1441.164	1430.135	1388.469	1343.126	1279.401
170.5	1386.018	1426.459	1437.488	1426.459	1386.018	1343.126	1281.852
171.0	1382.341	1421.557	1433.812	1421.557	1382.341	1341.901	1285.528
171.5	1379.890	1416.655	1428.910	1416.655	1379.890	1341.901	1287.979
172.0	1376.214	1412.978	1424.008	1412.978	1376.214	1341.901	1291.656
172.5	1373.763	1406.851	1419.106	1406.851	1373.763	1340.675	1294.107
173.0	1370.087	1401.949	1414.204	1401.949	1370.087	1339.450	1297.783
173.5	1365.185	1397.047	1408.076	1397.047	1365.185	1339.450	1300.234
174.0	1361.508	1390.920	1401.949	1390.920	1361.508	1336.999	1301.460
174.5	1357.832	1384.792	1394.596	1384.792	1357.832	1335.773	1303.911
175.0	1354.155	1378.665	1388.469	1378.665	1354.155	1334.548	1306.362
175.5	1349.253	1371.312	1381.116	1371.312	1349.253	1332.097	1307.587
176.0	1344.352	1365.185	1373.763	1365.185	1344.352	1329.646	1308.813
176.5	1339.450	1359.057	1365.185	1359.057	1339.450	1329.646	1310.038
177.0	1334.548	1351.704	1357.832	1351.704	1334.548	1325.969	1311.264
177.5	1329.646	1345.577	1350.479	1345.577	1329.646	1323.518	1312.489
178.0	1324.744	1336.999	1341.901	1336.999	1324.744	1321.067	1313.715
178.5	1318.616	1328.420	1333.322	1328.420	1318.616	1318.616	1313.715
179.0	1312.489	1321.067	1324.744	1321.067	1312.489	1316.165	1314.940
179.5	1306.362	1312.489	1316.165	1312.489	1306.362	1313.715	1314.940
180.0	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362	1306.362

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	595.01	N.A.	7.80
0-30	1220.64	N.A.	16.10
0-40	1913.9	N.A.	25.20
0-60	3104.7	N.A.	40.90
0-80	3697.39	N.A.	48.70
0-90	3766.87	N.A.	49.70
10-90	3609.62	N.A.	47.60
20-40	1318.9	N.A.	17.40
20-50	1971.56	N.A.	26.00
40-70	1571.02	N.A.	20.70
60-80	592.70	N.A.	7.80
70-80	212.47	N.A.	2.80
80-90	69.47	N.A.	0.90
90-110	304.43	N.A.	4.00
90-120	795.92	N.A.	10.50
90-130	1447.42	N.A.	19.10
90-150	2812.55	N.A.	37.10
90-180	3819.5	N.A.	50.30
110-180	3515.06	N.A.	46.30
0-180	7586.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.24
10-20	437.76
20-30	625.63
30-40	693.27
40-50	652.66
50-60	538.14
60-70	380.22
70-80	212.47
80-90	69.47
90-100	55.05
100-110	249.38
110-120	491.48
120-130	651.50
130-140	704.53
140-150	660.61
150-160	533.32
160-170	350.46
170-180	123.16

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	47	42
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31
4	75	64	56	51	69	60	53	47	51	46	42	43	39	36	35	32	30	27
5	69	57	49	43	63	53	46	41	46	40	36	39	34	31	32	29	26	23
6	63	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	21
7	59	47	39	33	54	44	36	32	38	32	28	32	28	24	27	23	21	18
8	55	42	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16
9	51	39	31	26	47	36	30	25	31	26	22	27	23	20	23	19	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14



# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## UGR TABLE - CORRECTED

### Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

### Room Size UGR Viewed Crosswise

X=2H	Y=2H	13.2	14.1	14.2	15.1	16.3	UGR Viewed Endwise			
	3H	14.3	15.1	15.3	16.1	17.4	14.8	15.6	15.7	16.6
	4H	14.6	15.3	15.6	16.3	17.6	16.3	17.1	17.3	18.1
	6H	14.7	15.4	15.7	16.4	17.7	16.9	17.6	17.9	18.6
	8H	14.7	15.4	15.7	16.4	17.7	17.4	18.0	18.4	19.0
	12H	14.7	15.3	15.7	16.3	17.7	17.5	18.2	18.5	19.2

4H	2H	13.6	14.3	14.6	15.3	16.6	14.8	15.6	15.7	16.6
	3H	14.9	15.5	15.8	16.5	17.8	16.3	17.1	17.3	18.1
	4H	15.2	15.8	16.2	16.8	18.1	16.9	17.6	17.9	18.6
	6H	15.4	15.9	16.5	17.0	18.3	17.4	18.0	18.4	19.0
	8H	15.5	15.9	16.5	16.9	18.3	17.5	18.2	18.5	19.2
	12H	15.5	15.9	16.5	16.9	18.3	17.7	18.3	18.7	19.3

8H	4H	15.4	15.8	16.4	16.8	18.2	17.4	18.0	18.4	19.0
	6H	15.6	16.0	16.7	17.1	18.4	17.5	18.2	18.5	19.2
	8H	15.7	16.0	16.8	17.1	18.5	17.6	18.3	18.6	19.3
	12H	15.7	16.0	16.8	17.1	18.5	17.7	18.3	18.7	19.3

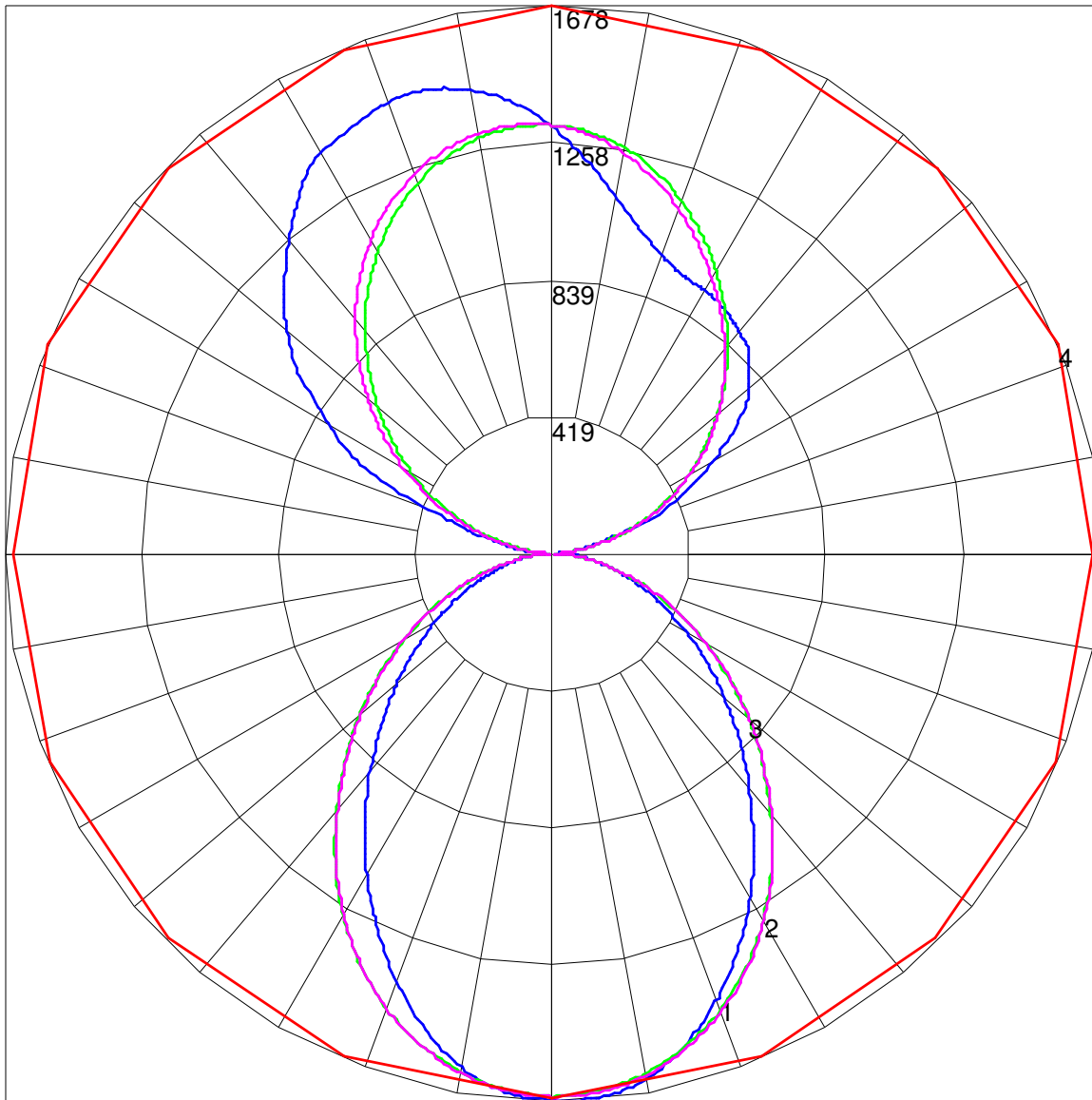
12H	4H	15.3	15.7	16.4	16.8	18.1	17.4	18.0	18.4	19.0
	6H	15.6	16.0	16.7	17.0	18.4	17.5	18.2	18.5	19.2
	8H	15.7	16.0	16.8	17.1	18.5	17.6	18.3	18.6	19.3

Maximum UGR = 21.1

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L12-835U-L12-835D-FA-F-(L10U-L10D)-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 1677.682 Located At Horizontal Angle = 90, Vertical Angle = 2

# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

# 2 - Vertical Plane Through Horizontal Angles (5 - 185)

# 3 - Vertical Plane Through Horizontal Angles (10 - 190)

# 4 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)