



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 01/12/2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV
 [LUMINAIRE] DIRECT, INDIRECT LINEAR LED LUMINAIRE
 [MORE] WITH FLAT DIFFUSED ACRYLIC SHIELDING
 [LAMP] HLMX 80 CRI, 3500K CCT, SAMSUNG LM281B+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	80.4
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)	6.00 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	15836	6251	4682
55	13597	4352	3146
65	11436	2811	1979
75	8639	1504	1057
85	4488	466	348

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-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>
0.0	2031.761	2031.761	2031.761	2031.761	2031.761
0.5	2025.683	2043.918	2027.202	2028.722	2028.722
1.0	2025.683	2042.399	2027.202	2028.722	2028.722
1.5	2025.683	2042.399	2027.202	2028.722	2030.242
2.0	2024.163	2042.399	2025.683	2028.722	2030.242
2.5	2024.163	2040.879	2025.683	2030.242	2030.242
3.0	2022.643	2039.360	2024.163	2028.722	2028.722
3.5	2021.124	2037.840	2022.643	2028.722	2028.722
4.0	2018.085	2036.320	2021.124	2027.202	2027.202
4.5	2016.565	2034.801	2019.604	2025.683	2025.683
5.0	2015.045	2031.761	2016.565	2024.163	2022.643
5.5	2012.006	2030.242	2015.045	2021.124	2019.604
6.0	2008.967	2027.202	2012.006	2018.085	2016.565
6.5	2005.927	2024.163	2008.967	2013.526	2013.526
7.0	2002.888	2021.124	2005.927	2008.967	2008.967
7.5	1998.329	2018.085	2001.369	2004.408	2002.888
8.0	1995.290	2013.526	1998.329	1998.329	1996.810
8.5	1990.731	2008.967	1993.770	1992.251	1990.731
9.0	1986.172	2005.927	1989.211	1986.172	1984.652
9.5	1981.613	2001.369	1984.652	1980.094	1977.054
10.0	1977.054	1996.810	1978.574	1972.495	1967.936
10.5	1972.495	1992.251	1974.015	1966.417	1958.819
11.0	1967.936	1986.172	1966.417	1958.819	1951.220
11.5	1961.858	1980.094	1960.338	1949.701	1942.102
12.0	1955.779	1975.535	1952.740	1942.102	1931.465
12.5	1949.701	1969.456	1945.142	1932.985	1922.347
13.0	1943.622	1963.377	1937.544	1923.867	1911.710
13.5	1937.544	1955.779	1929.945	1914.749	1901.072
14.0	1929.945	1949.701	1920.827	1905.631	1891.954
14.5	1923.867	1942.102	1911.710	1894.994	1881.317
15.0	1916.269	1934.504	1902.592	1884.356	1869.160
15.5	1907.151	1926.906	1893.474	1873.719	1858.522
16.0	1899.552	1919.308	1884.356	1863.081	1846.365
16.5	1891.954	1910.190	1873.719	1850.924	1834.208
17.0	1884.356	1901.072	1863.081	1840.286	1823.570
17.5	1875.238	1893.474	1852.444	1828.129	1811.413
18.0	1866.120	1882.836	1841.806	1815.972	1799.256
18.5	1858.522	1873.719	1831.169	1805.335	1787.099
19.0	1849.404	1864.601	1819.011	1791.658	1773.422
19.5	1840.286	1853.963	1806.854	1779.501	1761.265
20.0	1829.649	1843.326	1794.697	1767.344	1747.588
20.5	1820.531	1834.208	1782.540	1753.667	1732.392
21.0	1811.413	1822.051	1770.383	1738.470	1720.235
21.5	1800.776	1811.413	1758.226	1724.794	1703.519
22.0	1790.138	1800.776	1746.069	1711.117	1689.842
22.5	1779.501	1788.619	1732.392	1695.920	1676.165
23.0	1768.863	1777.981	1720.235	1680.724	1659.449
23.5	1758.226	1765.824	1706.558	1665.528	1644.253
24.0	1746.069	1753.667	1692.881	1650.331	1627.537
24.5	1735.431	1741.510	1680.724	1635.135	1612.340
25.0	1721.754	1729.353	1665.528	1618.419	1595.624
25.5	1709.597	1717.195	1651.851	1603.222	1580.428
26.0	1697.440	1703.519	1638.174	1588.026	1565.231
26.5	1683.763	1689.842	1622.978	1572.829	1548.515

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1671.606	1676.165	1609.301	1556.113	1531.799
27.5	1657.929	1662.488	1594.104	1540.917	1516.299
28.0	1642.733	1648.812	1580.428	1524.201	1500.191
28.5	1629.056	1635.135	1563.712	1508.853	1484.690
29.0	1613.860	1619.938	1548.515	1493.048	1469.342
29.5	1600.183	1606.262	1533.319	1477.244	1452.930
30.0	1584.987	1591.065	1517.211	1461.896	1436.366
30.5	1571.310	1574.349	1501.254	1445.787	1421.169
31.0	1556.113	1560.672	1484.994	1429.527	1403.997
31.5	1539.397	1543.956	1468.278	1413.115	1387.585
32.0	1525.721	1527.240	1451.714	1396.247	1371.021
32.5	1509.156	1511.284	1434.846	1378.467	1354.609
33.0	1494.416	1494.264	1417.522	1361.295	1336.829
33.5	1478.460	1478.156	1400.502	1344.123	1319.505
34.0	1462.351	1461.136	1383.178	1326.647	1303.245
34.5	1446.699	1443.660	1365.702	1308.716	1286.073
35.0	1431.047	1426.640	1348.682	1290.784	1267.685
35.5	1415.395	1408.708	1331.358	1272.700	1248.994
36.0	1399.590	1391.840	1313.275	1255.072	1231.062
36.5	1383.482	1374.364	1295.951	1236.685	1212.674
37.0	1367.222	1357.344	1278.171	1218.601	1192.767
37.5	1349.898	1340.020	1260.847	1200.213	1173.316
38.0	1333.638	1322.696	1242.915	1181.522	1154.016
38.5	1316.466	1305.069	1225.591	1162.678	1135.325
39.0	1299.294	1287.897	1207.356	1144.594	1119.520
39.5	1281.818	1271.029	1189.728	1129.094	1102.348
40.0	1264.646	1254.464	1171.796	1111.466	1083.809
40.5	1247.018	1236.989	1154.168	1094.598	1065.573
41.0	1230.150	1219.817	1138.212	1076.362	1048.097
41.5	1213.130	1203.101	1123.775	1058.431	1031.077
42.0	1195.654	1185.777	1106.603	1041.259	1014.513
42.5	1178.330	1168.909	1090.495	1024.543	998.557
43.0	1161.462	1152.041	1073.475	1008.282	982.904
43.5	1145.354	1136.692	1056.911	992.478	967.708
44.0	1129.854	1122.863	1040.651	977.130	952.816
44.5	1118.001	1106.299	1024.543	962.085	938.227
45.0	1101.285	1090.039	1008.738	947.345	923.486
45.5	1084.872	1073.931	993.238	932.756	909.050
46.0	1068.764	1057.367	978.042	918.472	894.613
46.5	1052.504	1040.803	962.845	904.035	880.329
47.0	1036.548	1024.391	947.953	889.750	865.892
47.5	1020.288	1007.979	932.908	875.466	851.607
48.0	1004.331	991.870	918.016	861.029	837.323
48.5	988.375	975.762	902.971	846.745	823.190
49.0	972.419	959.806	888.079	832.156	809.209
49.5	956.615	943.850	873.034	818.023	795.229
50.0	940.962	928.045	858.142	803.891	781.400
50.5	925.158	912.241	843.097	789.758	767.875
51.0	909.354	896.589	828.053	775.777	754.350
51.5	893.701	880.936	813.160	761.797	740.825
52.0	877.897	865.284	798.572	747.968	727.301
52.5	862.093	849.936	783.983	734.291	713.928
53.0	846.289	834.435	769.699	720.614	700.707
53.5	830.636	819.087	755.566	706.937	687.030
54.0	815.136	804.043	741.585	693.565	673.657
54.5	799.636	788.846	727.757	679.888	660.284

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	784.287	773.954	713.928	666.363	646.912
55.5	768.939	759.213	700.251	653.142	633.691
56.0	753.742	744.473	686.574	639.769	620.318
56.5	738.698	730.036	672.897	626.852	607.401
57.0	723.805	715.447	659.221	613.783	594.636
57.5	709.065	700.859	645.544	601.018	582.175
58.0	694.628	686.270	632.019	588.253	569.714
58.5	680.192	671.834	618.494	575.792	557.709
59.0	666.363	657.701	605.273	563.331	545.551
59.5	652.686	643.720	591.901	551.022	533.698
60.0	639.009	629.740	578.832	538.865	521.997
60.5	625.485	615.911	565.915	526.860	510.296
61.0	611.808	602.082	553.150	515.007	498.747
61.5	598.131	588.557	540.385	503.305	487.349
62.0	584.302	575.033	527.772	491.604	476.256
62.5	570.626	561.660	515.311	480.055	465.162
63.0	557.101	548.439	503.153	468.810	454.221
63.5	543.728	535.218	490.844	457.564	443.280
64.0	530.355	521.845	478.687	446.319	432.490
64.5	516.982	508.624	466.682	435.225	421.701
65.0	503.913	495.555	454.677	424.284	411.215
65.5	490.692	482.486	442.824	413.343	400.730
66.0	477.623	469.569	431.122	402.553	390.244
66.5	464.403	456.652	419.269	391.612	379.759
67.0	451.182	444.039	407.568	380.518	369.121
67.5	438.113	431.274	396.019	369.729	358.636
68.0	425.196	418.509	384.469	358.939	348.302
68.5	412.279	405.896	372.768	348.302	337.968
69.0	399.514	393.131	361.371	337.664	327.635
69.5	386.749	380.670	349.822	327.027	317.605
70.0	373.832	368.209	338.576	316.541	307.424
70.5	361.067	355.900	327.331	306.208	297.546
71.0	348.454	343.439	316.086	296.026	287.820
71.5	335.841	331.130	305.144	285.845	278.398
72.0	323.532	318.821	294.659	275.967	269.129
72.5	311.223	306.816	284.021	266.393	259.859
73.0	299.066	294.963	273.384	256.819	250.741
73.5	286.908	283.261	262.898	247.398	241.775
74.0	275.055	271.560	252.564	238.128	232.809
74.5	263.202	260.163	242.535	229.010	223.995
75.0	251.501	248.917	232.505	220.044	215.181
75.5	240.103	237.672	222.628	211.230	206.671
76.0	228.706	226.731	212.902	202.568	198.313
76.5	217.613	215.941	203.328	193.906	190.107
77.0	206.671	205.304	193.906	185.396	181.749
77.5	195.730	194.818	184.637	177.190	173.695
78.0	185.092	184.485	175.671	168.832	165.489
78.5	174.607	174.455	166.705	160.778	157.587
79.0	164.425	164.577	158.195	152.724	149.989
79.5	154.396	154.852	149.685	144.974	142.390
80.0	144.518	145.430	141.479	137.224	134.944
80.5	134.792	136.312	133.273	129.625	127.650
81.0	125.522	127.346	125.219	122.331	120.508
81.5	116.557	118.684	117.316	115.037	113.517
82.0	107.591	110.174	109.566	107.743	106.527
82.5	98.929	101.664	102.120	100.752	99.840

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	90.571	93.610	94.522	93.914	93.002
83.5	82.365	85.708	87.227	87.075	86.468
84.0	74.462	78.262	80.237	80.389	80.085
84.5	66.864	70.967	73.247	73.855	73.551
85.0	59.570	63.825	66.408	67.472	67.168
85.5	52.580	56.987	59.874	61.242	61.090
86.0	45.741	50.148	53.491	55.011	55.011
86.5	39.207	43.766	47.261	49.084	49.084
87.0	32.824	37.383	41.182	43.310	43.310
87.5	26.594	31.305	35.104	37.535	37.535
88.0	20.515	25.378	29.329	31.912	32.064
88.5	14.437	19.603	23.554	26.746	26.898
89.0	8.358	13.221	17.476	20.667	19.907
89.5	4.103	7.902	11.093	13.069	12.309
90.0	3.647	5.775	7.142	7.598	6.231
90.5	4.103	8.510	11.549	12.309	12.157
91.0	8.358	10.486	13.373	15.956	16.108
91.5	14.589	13.981	15.348	17.172	17.324
92.0	21.731	18.844	18.236	19.603	19.603
92.5	29.025	24.162	21.275	22.339	22.339
93.0	36.319	30.089	24.770	25.226	25.074
93.5	43.766	36.016	29.177	28.265	28.113
94.0	51.212	41.942	34.192	31.457	31.153
94.5	58.658	48.173	39.663	34.952	34.344
95.0	66.104	54.707	45.589	39.055	37.687
95.5	73.399	61.546	51.668	43.614	41.638
96.0	80.845	68.688	57.594	48.629	46.045
96.5	88.139	75.982	63.369	54.099	50.756
97.0	95.585	83.428	68.840	59.874	56.227
97.5	103.032	90.723	74.310	65.800	61.849
98.0	110.478	98.169	79.933	71.575	67.624
98.5	117.924	105.463	85.404	77.198	73.399
99.0	125.370	112.909	90.875	82.669	79.021
99.5	132.817	120.356	96.649	88.139	84.644
100.0	140.263	127.802	102.424	93.458	89.963
100.5	147.861	135.400	108.350	98.929	95.434
101.0	155.307	142.998	114.429	104.399	100.904
101.5	163.058	150.597	120.508	110.022	106.375
102.0	170.808	158.347	127.042	115.493	111.998
102.5	178.862	166.249	133.577	121.115	117.620
103.0	186.916	174.303	140.111	126.890	123.091
103.5	195.274	182.509	146.949	132.817	128.866
104.0	203.784	190.867	154.092	138.743	134.792
104.5	212.142	199.377	161.234	144.974	140.871
105.0	220.652	208.039	168.680	151.204	147.101
105.5	229.314	216.853	176.278	157.587	153.332
106.0	238.280	225.819	184.181	164.121	159.866
106.5	247.550	235.089	192.387	170.960	166.401
107.0	257.123	244.662	200.897	177.798	173.239
107.5	266.849	254.388	209.711	184.940	180.078
108.0	277.031	264.418	218.676	192.387	187.220
108.5	287.516	274.751	228.098	200.137	194.514
109.0	298.306	285.389	237.672	208.039	202.112
109.5	309.247	296.178	247.702	216.245	210.015
110.0	320.796	307.424	258.035	224.755	218.069
110.5	332.498	319.125	268.825	233.721	226.427

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	344.807	330.978	280.070	242.991	235.089
111.5	357.268	343.287	291.771	252.868	244.206
112.0	370.489	356.204	303.928	263.050	253.932
112.5	384.014	369.425	316.541	273.839	263.810
113.0	397.994	383.254	329.762	284.933	274.295
113.5	412.431	397.386	343.439	296.482	284.933
114.0	427.475	411.975	357.572	308.639	296.482
114.5	442.824	427.019	372.312	321.404	308.335
115.0	458.780	442.672	387.509	334.625	320.948
115.5	475.192	458.780	403.465	348.454	333.865
116.0	491.908	475.344	419.877	363.042	347.542
116.5	509.232	492.516	436.897	378.391	361.675
117.0	527.316	509.840	454.525	394.195	376.719
117.5	545.855	527.924	472.609	410.759	392.372
118.0	565.003	546.311	491.300	427.931	408.480
118.5	584.606	565.459	510.600	445.559	425.196
119.0	604.666	585.062	530.203	463.795	442.672
119.5	625.029	605.121	550.566	482.942	460.755
120.0	645.544	625.789	571.537	502.546	479.447
120.5	666.667	646.912	592.964	522.909	498.747
121.0	688.246	668.642	614.999	544.032	518.806
121.5	710.433	690.829	637.490	565.915	539.777
122.0	733.075	713.624	660.588	588.253	561.356
122.5	756.326	736.570	684.143	611.504	583.846
123.0	780.032	759.973	708.001	635.210	606.793
123.5	804.043	783.679	732.315	659.373	630.347
124.0	828.205	807.842	756.934	684.143	654.510
124.5	852.823	832.004	781.856	709.673	679.432
125.0	877.441	856.622	807.234	735.659	705.266
125.5	901.908	881.392	832.764	762.252	731.404
126.0	926.222	906.314	858.446	789.150	757.845
126.5	950.688	931.237	884.128	816.504	784.895
127.0	975.610	956.463	910.266	844.161	812.705
127.5	1000.684	981.689	936.251	872.123	840.666
128.0	1025.606	1007.219	962.237	900.084	868.931
128.5	1050.377	1032.445	988.071	928.045	897.197
129.0	1074.539	1057.519	1013.601	956.159	925.614
129.5	1099.005	1082.441	1039.131	984.120	954.487
130.0	1120.280	1106.451	1064.357	1012.234	983.664
130.5	1140.339	1127.118	1089.279	1040.043	1012.537
131.0	1163.438	1150.217	1111.466	1067.549	1041.563
131.5	1186.688	1173.012	1134.413	1093.534	1070.436
132.0	1209.483	1196.414	1155.536	1118.912	1096.118
132.5	1232.278	1219.361	1179.090	1144.746	1124.383
133.0	1254.768	1241.699	1202.493	1167.389	1152.193
133.5	1276.499	1264.342	1225.439	1192.159	1176.051
134.0	1297.622	1285.921	1248.234	1216.625	1202.949
134.5	1318.593	1307.500	1270.269	1240.636	1229.086
135.0	1338.197	1328.015	1292.304	1264.190	1254.313
135.5	1358.104	1348.378	1313.882	1286.833	1278.475
136.0	1377.404	1368.286	1334.854	1309.476	1302.333
136.5	1395.487	1387.889	1355.521	1331.054	1325.736
137.0	1413.419	1406.429	1376.340	1352.937	1348.226
137.5	1430.895	1425.272	1395.183	1373.908	1370.261
138.0	1448.371	1443.204	1414.787	1394.272	1391.232
138.5	1465.543	1461.136	1433.174	1413.875	1411.140

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1481.195	1478.460	1450.954	1433.326	1431.351
139.5	1496.999	1495.480	1468.734	1451.714	1450.194
140.0	1512.652	1511.132	1485.450	1470.558	1468.886
140.5	1527.240	1527.240	1502.014	1488.033	1486.514
141.0	1542.437	1542.437	1518.882	1505.357	1503.686
141.5	1556.113	1557.633	1534.838	1522.681	1521.162
142.0	1569.790	1572.829	1551.554	1537.878	1537.878
142.5	1583.467	1586.506	1565.231	1554.594	1553.074
143.0	1597.144	1600.183	1580.428	1569.790	1569.790
143.5	1609.301	1613.860	1595.624	1584.987	1584.987
144.0	1621.458	1626.017	1609.301	1600.183	1600.183
144.5	1633.615	1639.694	1621.458	1615.379	1615.379
145.0	1645.772	1651.851	1635.135	1629.056	1630.576
145.5	1657.929	1664.008	1647.292	1642.733	1645.772
146.0	1668.567	1676.165	1659.449	1656.410	1659.449
146.5	1680.724	1686.803	1671.606	1670.087	1674.645
147.0	1691.362	1697.440	1683.763	1682.244	1686.803
147.5	1700.479	1709.597	1694.401	1694.401	1700.479
148.0	1712.637	1720.235	1706.558	1706.558	1712.637
148.5	1723.274	1730.872	1717.195	1717.195	1724.794
149.0	1733.912	1741.510	1727.833	1727.833	1735.431
149.5	1743.029	1752.147	1738.470	1738.470	1746.069
150.0	1753.667	1761.265	1749.108	1747.588	1755.187
150.5	1762.785	1771.903	1759.745	1756.706	1764.304
151.0	1771.903	1781.020	1770.383	1767.344	1773.422
151.5	1782.540	1791.658	1779.501	1776.461	1781.020
152.0	1791.658	1800.776	1790.138	1785.579	1788.619
152.5	1800.776	1809.894	1800.776	1794.697	1797.736
153.0	1809.894	1819.011	1809.894	1803.815	1805.335
153.5	1819.011	1826.610	1819.011	1812.933	1812.933
154.0	1826.610	1835.728	1828.129	1822.051	1820.531
154.5	1835.728	1844.845	1837.247	1831.169	1829.649
155.0	1843.326	1852.444	1846.365	1840.286	1837.247
155.5	1850.924	1860.042	1855.483	1849.404	1846.365
156.0	1858.522	1867.640	1863.081	1858.522	1855.483
156.5	1866.120	1875.238	1872.199	1867.640	1864.601
157.0	1872.199	1882.836	1879.797	1876.758	1872.199
157.5	1879.797	1890.435	1887.395	1885.876	1881.317
158.0	1887.395	1898.033	1894.994	1893.474	1890.435
158.5	1894.994	1904.111	1902.592	1902.592	1898.033
159.0	1901.072	1911.710	1908.670	1910.190	1905.631
159.5	1907.151	1917.788	1916.269	1919.308	1914.749
160.0	1913.229	1923.867	1923.867	1926.906	1922.347
160.5	1919.308	1929.945	1929.945	1932.985	1929.945
161.0	1925.386	1936.024	1936.024	1940.583	1937.544
161.5	1931.465	1942.102	1942.102	1946.661	1943.622
162.0	1937.544	1948.181	1948.181	1952.740	1951.220
162.5	1943.622	1954.260	1954.260	1958.819	1957.299
163.0	1949.701	1958.819	1960.338	1964.897	1963.377
163.5	1955.779	1964.897	1964.897	1969.456	1967.936
164.0	1961.858	1970.976	1970.976	1974.015	1974.015
164.5	1966.417	1977.054	1975.535	1978.574	1978.574
165.0	1972.495	1981.613	1980.094	1983.133	1983.133
165.5	1977.054	1986.172	1983.133	1987.692	1987.692
166.0	1983.133	1992.251	1987.692	1990.731	1992.251
166.5	1987.692	1996.810	1990.731	1995.290	1995.290

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1992.251	2001.369	1995.290	1999.849	2001.369
167.5	1996.810	2005.927	1998.329	2002.888	2004.408
168.0	2001.369	2008.967	2002.888	2007.447	2007.447
168.5	2005.927	2013.526	2005.927	2010.486	2012.006
169.0	2008.967	2016.565	2008.967	2015.045	2016.565
169.5	2013.526	2021.124	2012.006	2018.085	2019.604
170.0	2016.565	2024.163	2015.045	2021.124	2024.163
170.5	2021.124	2027.202	2018.085	2024.163	2027.202
171.0	2024.163	2030.242	2019.604	2027.202	2030.242
171.5	2025.683	2031.761	2022.643	2030.242	2034.801
172.0	2030.242	2034.801	2025.683	2033.281	2037.840
172.5	2031.761	2037.840	2027.202	2036.320	2040.879
173.0	2034.801	2039.360	2030.242	2037.840	2043.918
173.5	2037.840	2042.399	2031.761	2039.360	2046.958
174.0	2039.360	2043.918	2033.281	2042.399	2048.477
174.5	2042.399	2045.438	2036.320	2043.918	2049.997
175.0	2043.918	2046.958	2037.840	2045.438	2051.517
175.5	2045.438	2048.477	2037.840	2046.958	2053.036
176.0	2048.477	2049.997	2040.879	2048.477	2054.556
176.5	2049.997	2051.517	2040.879	2048.477	2054.556
177.0	2049.997	2051.517	2042.399	2049.997	2054.556
177.5	2051.517	2053.036	2043.918	2049.997	2054.556
178.0	2053.036	2054.556	2043.918	2049.997	2056.076
178.5	2054.556	2054.556	2045.438	2051.517	2054.556
179.0	2054.556	2054.556	2045.438	2051.517	2054.556
179.5	2054.556	2054.556	2046.958	2051.517	2054.556
180.0	2051.517	2051.517	2051.517	2051.517	2051.517

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	727.23	N.A.	7.60
0-30	1494.07	N.A.	15.70
0-40	2338.95	N.A.	24.60
0-60	3765.06	N.A.	39.60
0-80	4468.15	N.A.	47.00
0-90	4542.22	N.A.	47.70
10-90	4350.48	N.A.	45.70
20-40	1611.72	N.A.	16.90
20-50	2395.26	N.A.	25.20
40-70	1880.24	N.A.	19.80
60-80	703.09	N.A.	7.40
70-80	248.96	N.A.	2.60
80-90	74.07	N.A.	0.80
90-110	247.05	N.A.	2.60
90-120	639.79	N.A.	6.70
90-130	1355.43	N.A.	14.20
90-150	3370.27	N.A.	35.40
90-180	4974.21	N.A.	52.30
110-180	4727.16	N.A.	49.70
0-180	9516.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.75
10-20	535.48
20-30	766.84
30-40	844.88
40-50	783.54
50-60	642.57
60-70	454.13
70-80	248.96
80-90	74.07
90-100	56.17
100-110	190.88
110-120	392.74
120-130	715.64
130-140	992.48
140-150	1022.36
150-160	850.50
160-170	559.06
170-180	194.38

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-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	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	53	47	50	45	41	42	38	35	34	32	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	15
10	47	36	28	24	44	33	27	22	29	24	20	25	20	18	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L8-835U-L8-835D-F-F-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

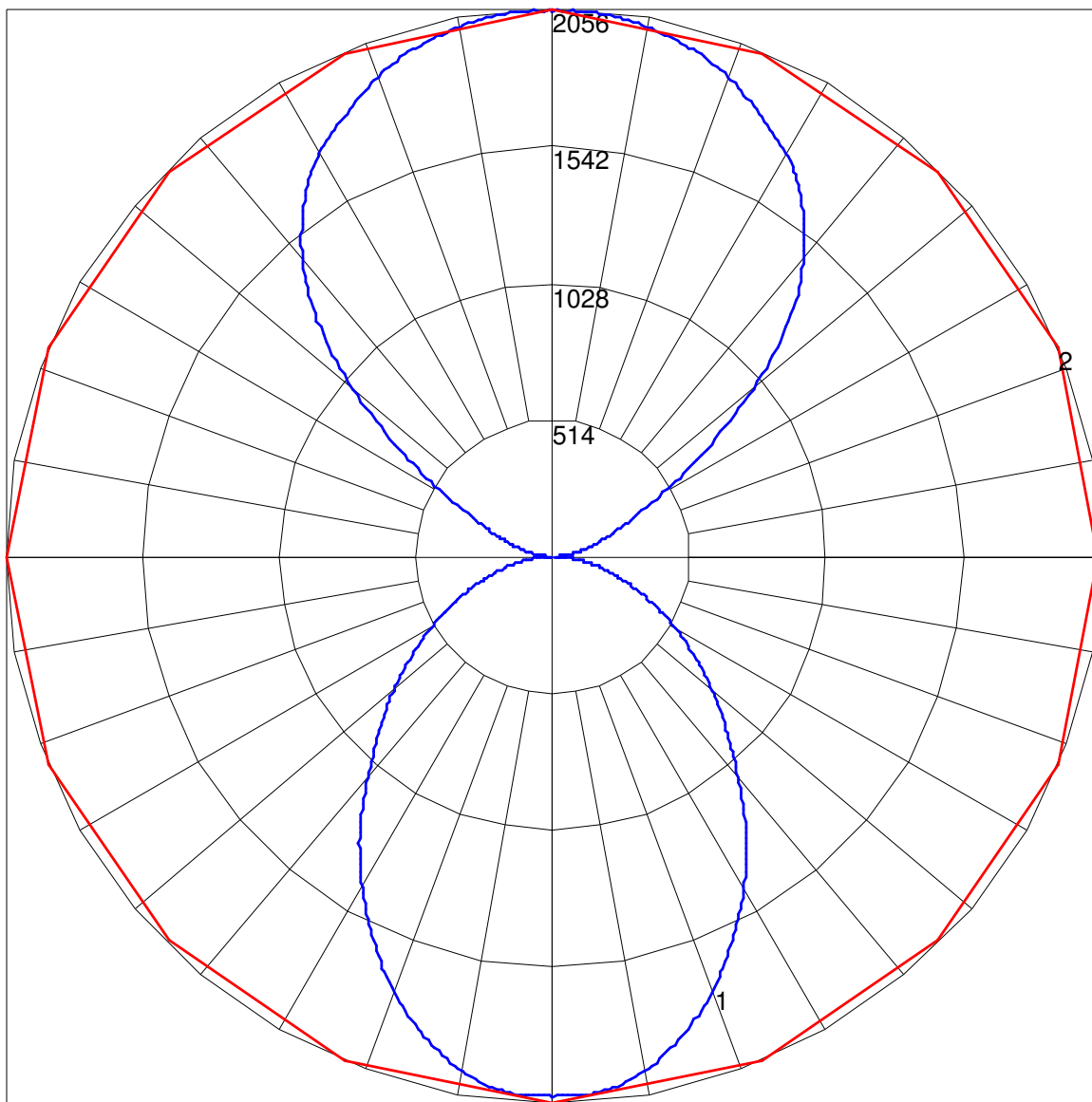
X=2H	Y=2H	12.3	13.1	13.2	14.1	15.4	13.4	14.3	14.4	15.2	16.5
	3H	13.4	14.1	14.3	15.1	16.4	14.9	15.7	15.9	16.7	18.0
	4H	13.6	14.3	14.6	15.3	16.7	15.5	16.2	16.5	17.2	18.5
	6H	13.8	14.4	14.8	15.4	16.8	15.9	16.5	16.9	17.5	18.9
	8H	13.8	14.4	14.8	15.4	16.7	16.0	16.6	17.0	17.6	19.0
	12H	13.7	14.3	14.8	15.3	16.7	16.1	16.7	17.1	17.7	19.0

UGR Viewed Endwise

4H	2H	12.6	13.3	13.6	14.3	15.7	13.6	14.3	14.6	15.3	16.6
	3H	13.9	14.5	14.9	15.5	16.8	15.2	15.8	16.2	16.9	18.2
	4H	14.3	14.8	15.3	15.8	17.2	15.8	16.4	16.9	17.4	18.8
	6H	14.5	14.9	15.5	16.0	17.3	16.3	16.8	17.3	17.8	19.2
	8H	14.5	14.9	15.5	15.9	17.3	16.5	16.9	17.5	17.9	19.3
	12H	14.5	14.8	15.5	15.9	17.3	16.6	17.0	17.6	18.0	19.4
8H	4H	14.4	14.8	15.4	15.8	17.2	15.9	16.3	16.9	17.3	18.7
	6H	14.6	15.0	15.7	16.1	17.4	16.4	16.7	17.4	17.8	19.2
	8H	14.7	15.0	15.8	16.1	17.5	16.6	16.9	17.6	17.9	19.3
	12H	14.7	15.0	15.8	16.0	17.5	16.7	17.0	17.8	18.0	19.5
12H	4H	14.3	14.7	15.4	15.8	17.2	15.8	16.2	16.9	17.2	18.6
	6H	14.6	14.9	15.7	16.0	17.4	16.3	16.7	17.4	17.7	19.1
	8H	14.7	15.0	15.8	16.0	17.5	16.5	16.8	17.6	17.9	19.3

Maximum UGR = 19.5

POLAR GRAPH



Maximum Candela = 2056.076 Located At Horizontal Angle = 90, Vertical Angle = 178
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (178) (Through Max. Cd.)