



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13052732.03A

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 16 Mar, 2022

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] MX2UD-4-00-P8-835U-P8-835D-FA-F-PoE-PR

[LUMINAIRE] Formed White aluminum housing, frosted lens enclosures

[LAMP] White LEDs

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6551
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	50.4
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)	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	16477	6958	5329
55	14150	4886	3629
65	11634	3198	2318
75	8603	1797	1301
85	4387	649	512

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**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	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477
0.5	1431.893	1446.710	1440.360	1444.593	1445.652	1444.593	1440.360	1446.710	1431.893	1445.652
1.0	1430.835	1446.710	1440.360	1445.652	1446.710	1445.652	1440.360	1446.710	1430.835	1445.652
1.5	1430.835	1446.710	1440.360	1446.710	1447.768	1446.710	1440.360	1446.710	1430.835	1444.593
2.0	1429.777	1446.710	1440.360	1445.652	1448.826	1445.652	1440.360	1446.710	1429.777	1443.535
2.5	1429.777	1446.710	1440.360	1446.710	1448.826	1446.710	1440.360	1446.710	1429.777	1441.418
3.0	1428.719	1445.652	1440.360	1446.710	1448.826	1446.710	1440.360	1445.652	1428.719	1440.360
3.5	1427.660	1445.652	1439.302	1445.652	1447.768	1445.652	1439.302	1445.652	1427.660	1438.243
4.0	1425.544	1444.593	1438.243	1445.652	1447.768	1445.652	1438.243	1444.593	1425.544	1437.185
4.5	1423.427	1442.477	1438.243	1444.593	1446.710	1444.593	1438.243	1442.477	1423.427	1435.068
5.0	1422.369	1441.418	1437.185	1443.535	1444.593	1443.535	1437.185	1441.418	1422.369	1432.952
5.5	1420.252	1440.360	1435.068	1442.477	1443.535	1442.477	1435.068	1440.360	1420.252	1429.777
6.0	1418.135	1438.243	1434.010	1440.360	1441.418	1440.360	1434.010	1438.243	1418.135	1427.660
6.5	1416.019	1436.127	1431.893	1438.243	1439.302	1438.243	1431.893	1436.127	1416.019	1424.485
7.0	1412.844	1434.010	1429.777	1436.127	1436.127	1436.127	1429.777	1434.010	1412.844	1421.310
7.5	1410.727	1431.893	1427.660	1434.010	1434.010	1434.010	1427.660	1431.893	1410.727	1418.135
8.0	1407.552	1429.777	1424.485	1430.835	1429.777	1430.835	1424.485	1429.777	1407.552	1414.961
8.5	1404.377	1426.602	1422.369	1427.660	1426.602	1427.660	1422.369	1426.602	1404.377	1411.786
9.0	1401.202	1423.427	1419.194	1423.427	1422.369	1423.427	1419.194	1423.427	1401.202	1408.611
9.5	1396.969	1420.252	1416.019	1420.252	1418.135	1420.252	1416.019	1420.252	1396.969	1404.377
10.0	1393.794	1417.077	1411.786	1416.019	1413.902	1416.019	1411.786	1417.077	1393.794	1400.144
10.5	1389.561	1412.844	1408.611	1411.786	1409.669	1411.786	1408.611	1412.844	1389.561	1395.911
11.0	1385.328	1409.669	1404.377	1407.552	1404.377	1407.552	1404.377	1409.669	1385.328	1391.678
11.5	1381.095	1405.436	1399.086	1402.261	1399.086	1402.261	1399.086	1405.436	1381.095	1387.444
12.0	1376.861	1401.202	1394.853	1396.969	1392.736	1396.969	1394.853	1401.202	1376.861	1382.153
12.5	1371.570	1396.969	1389.561	1391.678	1385.328	1391.678	1389.561	1396.969	1371.570	1377.920
13.0	1367.337	1392.736	1384.270	1385.328	1378.978	1385.328	1384.270	1392.736	1367.337	1372.628
13.5	1362.045	1388.503	1378.978	1378.978	1372.628	1378.978	1378.978	1388.503	1362.045	1367.337
14.0	1356.753	1383.211	1373.686	1372.628	1365.220	1372.628	1373.686	1383.211	1356.753	1362.045
14.5	1351.462	1378.978	1367.337	1365.220	1357.812	1365.220	1367.337	1378.978	1351.462	1355.695
15.0	1346.170	1372.628	1360.987	1358.870	1350.404	1358.870	1360.987	1372.628	1346.170	1350.404
15.5	1340.879	1368.395	1355.695	1352.520	1342.995	1352.520	1355.695	1368.395	1340.879	1344.054
16.0	1334.529	1363.103	1348.287	1344.054	1335.587	1344.054	1348.287	1363.103	1334.529	1338.762
16.5	1329.237	1356.753	1341.937	1335.587	1326.062	1335.587	1341.937	1356.753	1329.237	1331.354
17.0	1322.888	1350.404	1335.587	1328.179	1318.654	1328.179	1335.587	1350.404	1322.888	1325.004
17.5	1316.538	1345.112	1328.179	1319.713	1309.130	1319.713	1328.179	1345.112	1316.538	1318.654
18.0	1310.188	1338.762	1320.771	1311.246	1300.663	1311.246	1320.771	1338.762	1310.188	1311.246
18.5	1303.838	1332.412	1313.363	1301.721	1292.197	1301.721	1313.363	1332.412	1303.838	1304.896
19.0	1297.488	1325.004	1305.955	1293.255	1282.672	1293.255	1305.955	1325.004	1297.488	1297.488
19.5	1291.138	1318.654	1297.488	1284.788	1274.205	1284.788	1297.488	1318.654	1291.138	1290.080
20.0	1283.730	1311.246	1290.080	1275.264	1263.622	1275.264	1290.080	1311.246	1283.730	1281.613
20.5	1276.322	1303.838	1281.613	1265.739	1255.156	1265.739	1281.613	1303.838	1276.322	1274.205
21.0	1268.914	1296.430	1273.147	1256.214	1244.573	1256.214	1273.147	1296.430	1268.914	1265.739
21.5	1261.506	1289.022	1264.680	1247.748	1235.048	1247.748	1264.680	1289.022	1261.506	1258.331
22.0	1254.097	1280.555	1256.214	1238.223	1225.523	1238.223	1256.214	1280.555	1254.097	1249.864
22.5	1245.631	1273.147	1247.748	1227.640	1214.940	1227.640	1247.748	1273.147	1245.631	1241.398
23.0	1238.223	1264.680	1238.223	1218.115	1203.299	1218.115	1238.223	1264.680	1238.223	1232.931
23.5	1229.756	1256.214	1228.698	1207.532	1192.715	1207.532	1228.698	1256.214	1229.756	1224.465
24.0	1221.290	1247.748	1219.173	1198.007	1182.132	1198.007	1219.173	1247.748	1221.290	1214.940
24.5	1213.882	1239.281	1209.648	1187.424	1171.549	1187.424	1209.648	1239.281	1213.882	1206.473
25.0	1204.357	1230.815	1200.124	1176.841	1160.966	1176.841	1200.124	1230.815	1204.357	1196.949
25.5	1195.890	1222.348	1190.599	1166.258	1149.325	1166.258	1190.599	1222.348	1195.890	1188.482
26.0	1187.424	1212.823	1181.074	1155.675	1138.742	1155.675	1181.074	1212.823	1187.424	1178.957
26.5	1177.899	1204.357	1170.491	1144.033	1128.158	1144.033	1170.491	1204.357	1177.899	1169.433

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## CANDELA TABULATION - (Cont.)

27.0	1169.433	1194.832	1159.908	1133.450	1116.517	1133.450	1159.908	1194.832	1169.433	1159.908
27.5	1158.849	1185.307	1150.383	1121.809	1105.934	1121.809	1150.383	1185.307	1158.849	1150.383
28.0	1150.383	1175.782	1139.800	1110.167	1094.293	1110.167	1139.800	1175.782	1150.383	1139.800
28.5	1140.858	1165.199	1129.217	1099.584	1082.651	1099.584	1129.217	1165.199	1140.858	1130.275
29.0	1130.275	1155.675	1118.634	1087.943	1071.010	1087.943	1118.634	1155.675	1130.275	1119.692
29.5	1120.750	1145.091	1108.051	1076.301	1060.427	1076.301	1108.051	1145.091	1120.750	1109.109
30.0	1110.167	1135.567	1096.409	1064.660	1048.150	1064.660	1096.409	1135.567	1110.167	1099.584
30.5	1100.642	1124.984	1085.826	1053.442	1036.509	1053.442	1085.826	1124.984	1100.642	1089.001
31.0	1090.059	1114.400	1074.185	1041.589	1024.656	1041.589	1074.185	1114.400	1090.059	1078.418
31.5	1080.535	1103.817	1063.602	1029.312	1012.803	1029.312	1063.602	1103.817	1080.535	1067.835
32.0	1069.951	1093.234	1051.537	1017.777	1000.526	1017.777	1051.537	1093.234	1069.951	1057.040
32.5	1059.368	1082.651	1040.001	1005.924	988.673	1005.924	1040.001	1082.651	1059.368	1046.034
33.0	1048.891	1071.010	1028.254	993.436	976.820	993.436	1028.254	1071.010	1048.891	1035.133
33.5	1038.308	1060.427	1016.824	981.477	964.438	981.477	1016.824	1060.427	1038.308	1023.915
34.0	1027.831	1049.420	1005.077	969.306	951.738	969.306	1005.077	1049.420	1027.831	1012.379
34.5	1017.565	1038.202	993.436	957.453	939.568	957.453	993.436	1038.202	1017.565	1001.373
35.0	1006.559	1026.772	981.159	945.494	928.032	945.494	981.159	1026.772	1006.559	989.626
35.5	995.658	1015.554	970.047	933.641	915.438	933.641	970.047	1015.554	995.658	978.196
36.0	984.546	1004.125	958.406	921.047	903.691	921.047	958.406	1004.125	984.546	966.766
36.5	973.751	992.589	946.658	909.829	891.415	909.829	946.658	992.589	973.751	955.231
37.0	962.745	981.371	935.334	897.447	879.561	897.447	935.334	981.371	962.745	943.589
37.5	951.527	970.153	923.799	885.382	868.026	885.382	923.799	970.153	951.527	932.159
38.0	939.885	958.829	912.475	873.952	856.067	873.952	912.475	958.829	939.885	920.624
38.5	928.773	947.293	900.728	861.994	844.002	861.994	900.728	947.293	928.773	908.771
39.0	917.237	935.758	889.192	850.670	832.678	850.670	889.192	935.758	917.237	897.024
39.5	906.019	924.540	877.974	838.605	820.719	838.605	877.974	924.540	906.019	885.488
40.0	894.484	913.110	866.015	827.281	809.713	827.281	866.015	913.110	894.484	873.847
40.5	883.054	901.998	854.268	815.640	798.072	815.640	854.268	901.998	883.054	861.782
41.0	871.518	890.462	842.521	803.998	786.959	803.998	842.521	890.462	871.518	850.140
41.5	860.089	879.350	830.985	792.674	779.974	792.674	830.985	879.350	860.089	838.393
42.0	848.765	867.920	819.238	784.314	768.651	784.314	819.238	867.920	848.765	826.752
42.5	837.335	856.914	807.808	773.836	757.115	773.836	807.808	856.914	837.335	814.793
43.0	826.117	845.272	796.167	762.301	746.003	762.301	796.167	845.272	826.117	802.834
43.5	814.475	833.842	786.748	750.871	734.679	750.871	786.748	833.842	814.475	791.404
44.0	803.575	821.884	776.482	739.441	723.567	739.441	776.482	821.884	803.575	781.562
44.5	792.251	810.983	766.005	728.117	712.137	728.117	766.005	810.983	792.251	772.143
45.0	783.996	799.659	754.575	716.688	700.813	716.688	754.575	799.659	783.996	760.502
45.5	773.942	790.134	743.251	705.575	689.595	705.575	743.251	790.134	773.942	748.754
46.0	762.724	778.810	732.139	694.357	678.694	694.357	732.139	778.810	762.724	737.219
46.5	751.612	769.391	721.027	683.351	667.582	683.351	721.027	769.391	751.612	725.789
47.0	740.394	757.856	710.126	672.344	656.681	672.344	710.126	757.856	740.394	714.359
47.5	729.176	746.426	698.908	661.550	645.781	661.550	698.908	746.426	729.176	703.035
48.0	717.958	734.996	687.902	650.649	635.092	650.649	687.902	734.996	717.958	691.817
48.5	706.739	723.672	676.789	639.854	624.615	639.854	676.789	723.672	706.739	680.705
49.0	695.733	712.348	665.995	629.165	614.349	629.165	665.995	712.348	695.733	669.699
49.5	684.621	701.025	655.200	618.476	604.189	618.476	655.200	701.025	684.621	658.798
50.0	673.509	689.806	644.405	607.999	594.029	607.999	644.405	689.806	673.509	647.897
50.5	662.396	678.483	633.504	597.522	584.293	597.522	633.504	678.483	662.396	637.103
51.0	651.390	667.264	622.604	587.362	574.345	587.362	622.604	667.264	651.390	626.308
51.5	640.383	655.941	611.915	577.308	564.608	577.308	611.915	655.941	640.383	615.619
52.0	629.377	644.934	601.332	567.148	554.978	567.148	601.332	644.934	629.377	604.930
52.5	618.476	633.928	590.749	557.094	545.241	557.094	590.749	633.928	618.476	594.135
53.0	607.576	622.815	580.271	547.146	535.717	547.146	580.271	622.815	607.576	583.552
53.5	596.569	611.597	570.006	537.304	526.086	537.304	570.006	611.597	596.569	572.969
54.0	585.669	600.485	559.634	527.568	516.455	527.568	559.634	600.485	585.669	562.280
54.5	574.768	589.585	549.369	517.831	506.931	517.831	549.369	589.585	574.768	551.591

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**CANDELA TABULATION - (Cont.)**

55.0	564.079	578.578	539.209	508.200	497.512	508.200	539.209	578.578	564.079	541.114
55.5	553.390	567.783	529.049	498.570	488.093	498.570	529.049	567.783	553.390	530.742
56.0	542.490	556.883	518.995	489.045	478.568	489.045	518.995	556.883	542.490	520.265
56.5	531.695	545.982	508.941	479.626	469.255	479.626	508.941	545.982	531.695	509.894
57.0	521.112	535.187	499.099	470.207	459.942	470.207	499.099	535.187	521.112	499.522
57.5	510.423	524.393	489.045	460.788	450.734	460.788	489.045	524.393	510.423	489.151
58.0	499.840	513.704	478.991	451.369	441.527	451.369	478.991	513.704	499.840	478.779
58.5	489.468	503.226	469.149	442.056	432.320	442.056	469.149	503.226	489.468	468.408
59.0	479.097	492.749	459.518	432.849	423.218	432.849	459.518	492.749	479.097	458.248
59.5	469.149	482.272	449.888	423.642	414.117	423.642	449.888	482.272	469.149	448.088
60.0	458.989	471.900	440.257	414.540	405.015	414.540	440.257	471.900	458.989	438.035
60.5	449.041	461.635	430.732	405.544	396.231	405.544	430.732	461.635	449.041	428.192
61.0	439.093	451.369	421.207	396.655	387.447	396.655	421.207	451.369	439.093	418.350
61.5	428.933	441.315	411.788	387.871	378.769	387.871	411.788	441.315	428.933	408.614
62.0	418.773	431.473	402.581	379.087	370.197	379.087	402.581	431.473	418.773	398.771
62.5	408.719	421.631	393.374	370.409	361.730	370.409	393.374	421.631	408.719	388.929
63.0	398.771	411.894	384.378	361.942	353.476	361.942	384.378	411.894	398.771	379.192
63.5	388.929	401.946	375.171	353.476	345.221	353.476	375.171	401.946	388.929	369.562
64.0	379.087	391.892	366.175	345.115	337.072	345.115	366.175	391.892	379.087	359.931
64.5	369.456	381.944	357.285	336.860	329.029	336.860	357.285	381.944	369.456	350.301
65.0	359.931	372.208	348.396	328.711	321.091	328.711	348.396	372.208	359.931	340.776
65.5	350.301	362.577	339.823	320.668	313.154	320.668	339.823	362.577	350.301	331.569
66.0	340.882	353.052	331.251	312.625	305.322	312.625	331.251	353.052	340.882	322.361
66.5	331.569	343.527	322.467	304.582	297.491	304.582	322.467	343.527	331.569	313.154
67.0	322.150	334.214	314.001	296.750	289.659	296.750	314.001	334.214	322.150	304.158
67.5	312.942	324.690	305.428	288.813	281.828	288.813	305.428	324.690	312.942	295.268
68.0	303.735	315.376	297.068	281.087	274.102	281.087	297.068	315.376	303.735	286.273
68.5	294.634	306.275	288.813	273.361	266.271	273.361	288.813	306.275	294.634	277.489
69.0	285.426	297.068	280.558	265.742	258.651	265.742	280.558	297.068	285.426	268.705
69.5	276.431	288.178	272.409	258.122	251.137	258.122	272.409	288.178	276.431	260.027
70.0	267.541	279.182	264.154	250.608	244.046	250.608	264.154	279.182	267.541	251.454
70.5	258.651	270.398	256.111	243.305	236.850	243.305	256.111	270.398	258.651	242.882
71.0	249.761	261.508	248.174	235.897	229.759	235.897	248.174	261.508	249.761	234.310
71.5	241.083	252.830	240.342	228.807	222.668	228.807	240.342	252.830	241.083	225.949
72.0	232.299	244.258	232.511	221.610	215.895	221.610	232.511	244.258	232.299	217.483
72.5	223.621	235.791	224.785	214.625	209.122	214.625	224.785	235.791	223.621	209.228
73.0	214.943	227.431	217.165	207.640	202.243	207.640	217.165	227.431	214.943	201.079
73.5	206.370	219.070	209.440	200.656	195.787	200.656	209.440	219.070	206.370	192.930
74.0	197.798	210.710	201.926	193.882	189.332	193.882	201.926	210.710	197.798	184.887
74.5	189.437	202.455	194.517	187.003	182.982	187.003	194.517	202.455	189.437	176.949
75.0	181.289	194.306	187.215	180.548	176.632	180.548	187.215	194.306	181.289	169.118
75.5	173.140	186.263	180.019	173.880	170.388	173.880	180.019	186.263	173.140	161.392
76.0	165.202	178.325	172.822	167.319	164.356	167.319	172.822	178.325	165.202	153.984
76.5	157.265	170.494	165.837	160.969	158.429	160.969	165.837	170.494	157.265	146.576
77.0	149.645	162.662	158.852	154.619	152.608	154.619	158.852	162.662	149.645	139.379
77.5	141.919	154.937	152.079	148.269	146.576	148.269	152.079	154.937	141.919	132.289
78.0	134.511	147.317	145.306	142.131	140.649	142.131	145.306	147.317	134.511	125.304
78.5	127.103	139.909	138.639	135.993	134.829	135.993	138.639	139.909	127.103	118.531
79.0	119.907	132.712	132.183	130.066	129.008	130.066	132.183	132.712	119.907	111.863
79.5	112.816	125.621	125.727	124.140	123.293	124.140	125.727	125.621	112.816	105.302
80.0	105.937	118.637	119.377	118.319	117.684	118.319	119.377	118.637	105.937	98.952
80.5	99.164	111.863	113.133	112.498	112.075	112.498	113.133	111.863	99.164	92.708
81.0	92.708	105.196	107.101	106.889	106.678	106.889	107.101	105.196	92.708	86.676
81.5	86.252	98.634	101.069	101.386	101.174	101.386	101.069	98.634	86.252	80.855
82.0	80.008	92.390	95.248	95.883	95.989	95.883	95.248	92.390	80.008	75.140
82.5	74.082	86.252	89.427	90.380	90.697	90.380	89.427	86.252	74.082	69.637

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES

## CANDELA TABULATION - (Cont.)

83.0	68.155	80.432	83.818	85.088	85.617	85.088	83.818	80.432	68.155	64.451
83.5	62.440	74.611	78.315	79.902	80.537	79.902	78.315	74.611	62.440	59.265
84.0	56.831	69.002	72.918	74.823	75.563	74.823	72.918	69.002	56.831	54.397
84.5	51.540	63.393	67.732	69.848	70.695	69.848	67.732	63.393	51.540	49.529
85.0	46.354	58.101	62.546	64.980	65.933	64.980	62.546	58.101	46.354	44.767
85.5	41.380	52.810	57.572	60.218	61.170	60.218	57.572	52.810	41.380	40.110
86.0	36.512	47.624	52.598	55.561	56.620	55.561	52.598	47.624	36.512	35.665
86.5	31.855	42.650	47.836	50.905	52.175	50.905	47.836	42.650	31.855	31.326
87.0	27.304	37.887	43.179	46.460	47.730	46.460	43.179	37.887	27.304	27.093
87.5	22.965	33.125	38.628	42.015	43.391	42.015	38.628	33.125	22.965	22.965
88.0	18.732	28.574	34.183	37.676	39.157	37.676	34.183	28.574	18.732	18.838
88.5	14.499	24.024	29.739	33.443	35.136	33.443	29.739	24.024	14.499	14.393
89.0	10.266	19.367	25.399	29.209	31.114	29.209	25.399	19.367	10.266	10.054
89.5	6.667	14.393	20.637	25.188	27.199	25.188	20.637	14.393	6.667	7.514
90.0	5.821	10.477	14.181	18.097	20.214	18.097	14.181	10.477	5.821	8.255
90.5	7.091	8.890	8.890	7.514	7.302	7.514	8.890	8.890	7.091	11.641
91.0	9.631	9.842	9.313	7.726	7.302	7.726	9.313	9.842	9.631	13.441
91.5	11.959	11.641	11.218	8.890	8.361	8.890	11.218	11.641	11.959	15.451
92.0	13.970	13.335	13.441	11.536	11.218	11.536	13.441	13.335	13.970	18.309
92.5	16.404	15.134	15.134	13.758	13.546	13.758	15.134	15.134	16.404	22.119
93.0	19.261	18.097	16.510	15.451	15.134	15.451	16.510	18.097	19.261	25.823
93.5	22.648	21.801	17.885	17.039	16.615	17.039	17.885	21.801	22.648	29.739
94.0	26.458	25.294	19.579	18.626	17.991	18.626	19.579	25.294	26.458	34.078
94.5	30.691	28.786	22.225	20.002	19.367	20.002	22.225	28.786	30.691	39.157
95.0	35.242	32.702	27.410	21.907	20.849	21.907	27.410	32.702	35.242	45.296
95.5	40.004	37.253	34.078	24.764	22.965	24.764	34.078	37.253	40.004	51.646
96.0	45.084	42.862	39.792	28.469	26.246	28.469	39.792	42.862	45.084	58.842
96.5	50.587	50.376	45.296	34.924	30.268	34.924	45.296	50.376	50.587	66.885
97.0	56.302	58.525	50.481	44.449	37.253	44.449	50.481	58.525	56.302	73.870
97.5	62.334	65.404	55.773	51.434	47.730	51.434	55.773	65.404	62.334	80.961
98.0	68.578	72.812	61.276	57.890	55.138	57.890	61.276	72.812	68.578	88.475
98.5	74.928	80.326	67.203	63.816	61.805	63.816	67.203	80.326	74.928	96.095
99.0	81.490	87.416	73.447	69.637	68.049	69.637	73.447	87.416	81.490	104.138
99.5	88.263	94.719	80.114	75.775	74.188	75.775	80.114	94.719	88.263	112.393
100.0	95.248	102.233	87.205	82.337	80.432	82.337	87.205	102.233	95.248	120.859
100.5	102.233	109.747	94.825	88.898	87.099	88.898	94.825	109.747	102.233	129.537
101.0	109.323	117.684	103.185	95.777	93.872	95.777	103.185	117.684	109.323	138.427
101.5	116.520	125.833	115.144	102.868	100.857	102.868	115.144	125.833	116.520	147.423
102.0	123.928	134.088	128.056	110.064	108.053	110.064	128.056	134.088	123.928	156.630
102.5	131.442	142.554	139.591	117.578	115.250	117.578	139.591	142.554	131.442	166.049
103.0	138.956	151.021	151.762	125.304	123.081	125.304	151.762	151.021	138.956	175.785
103.5	146.576	159.593	163.509	133.559	130.595	133.559	163.509	159.593	146.576	185.945
104.0	154.196	168.165	174.833	142.025	138.744	142.025	174.833	168.165	154.196	195.893
104.5	161.921	177.796	186.157	151.867	147.105	151.867	186.157	177.796	161.921	205.947
105.0	169.647	188.379	197.057	165.731	155.783	165.731	197.057	188.379	169.647	215.789
105.5	177.373	199.174	207.640	177.902	165.626	177.902	207.640	199.174	177.373	226.267
106.0	185.204	209.969	217.800	189.332	179.807	189.332	217.800	209.969	185.204	237.485
106.5	192.930	219.705	227.431	201.714	192.612	201.714	227.431	219.705	192.930	248.280
107.0	200.867	228.807	236.956	214.837	203.196	214.837	236.956	228.807	200.867	258.439
107.5	208.805	237.591	246.375	228.701	214.414	228.701	246.375	237.591	208.805	268.282
108.0	216.742	246.057	255.476	242.776	225.949	242.776	255.476	246.057	216.742	278.018
108.5	224.573	254.524	264.366	257.275	238.437	257.275	264.366	254.524	224.573	287.649
109.0	232.405	263.519	273.996	271.245	253.254	271.245	273.996	263.519	232.405	297.173
109.5	240.342	272.621	283.627	284.368	268.811	284.368	283.627	272.621	240.342	306.698
110.0	248.280	281.616	293.364	296.538	284.050	296.538	293.364	281.616	248.280	316.223
110.5	256.111	290.612	302.994	307.651	298.761	307.651	302.994	290.612	256.111	326.065

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES**

**CANDELA TABULATION - (Cont.)**

111.0	264.048	299.396	312.625	318.763	312.942	318.763	312.625	299.396	264.048	335.908
111.5	272.092	307.968	322.255	329.346	326.171	329.346	322.255	307.968	272.092	345.856
112.0	280.029	316.117	331.674	339.506	337.918	339.506	331.674	316.117	280.029	355.910
112.5	288.072	324.160	341.305	349.454	348.607	349.454	341.305	324.160	288.072	365.964
113.0	295.903	332.309	350.830	358.873	359.508	358.873	350.830	332.309	295.903	376.123
113.5	303.841	340.247	360.143	367.869	370.197	367.869	360.143	340.247	303.841	386.389
114.0	311.884	348.078	369.456	377.711	380.039	377.711	369.456	348.078	311.884	396.549
114.5	319.927	355.592	378.981	387.871	389.246	387.871	378.981	355.592	319.927	406.920
115.0	327.759	363.106	389.352	398.136	398.454	398.136	389.352	363.106	327.759	417.397
115.5	335.696	370.514	400.465	408.190	407.767	408.190	400.465	370.514	335.696	427.875
116.0	343.633	378.134	412.106	418.350	417.821	418.350	412.106	378.134	343.633	438.246
116.5	351.676	385.966	424.276	428.192	427.981	428.192	424.276	385.966	351.676	448.618
117.0	359.508	393.903	436.130	437.823	438.140	437.823	436.130	393.903	359.508	458.989
117.5	367.339	402.052	448.088	447.242	448.088	447.242	448.088	402.052	367.339	469.360
118.0	375.277	410.095	459.307	456.767	457.719	456.767	459.307	410.095	375.277	480.049
118.5	383.108	418.138	469.043	466.080	467.561	466.080	469.043	418.138	383.108	490.633
119.0	391.151	426.076	477.933	475.393	476.980	475.393	477.933	426.076	391.151	501.216
119.5	399.089	433.907	486.399	484.389	486.505	484.389	486.399	433.907	399.089	511.799
120.0	406.920	441.739	494.760	493.384	495.607	493.384	494.760	441.739	406.920	522.276
120.5	414.752	449.464	502.697	502.380	504.602	502.380	502.697	449.464	414.752	532.965
121.0	422.689	457.084	510.529	511.905	513.492	511.905	510.529	457.084	422.689	543.442
121.5	430.521	464.704	518.360	522.276	522.488	522.276	518.360	464.704	430.521	554.025
122.0	438.458	472.112	526.192	533.071	531.483	533.071	526.192	472.112	438.458	564.503
122.5	446.395	479.520	534.129	544.606	540.796	544.606	534.129	479.520	446.395	574.980
123.0	454.332	486.717	542.066	556.459	550.427	556.459	542.066	486.717	454.332	585.457
123.5	462.376	493.913	549.792	567.889	561.222	567.889	549.792	493.913	462.376	596.040
124.0	470.419	501.004	557.518	579.213	572.228	579.213	557.518	501.004	470.419	606.517
124.5	478.356	507.989	565.243	590.114	583.975	590.114	565.243	507.989	478.356	616.995
125.0	486.293	514.974	572.652	599.850	596.146	599.850	572.652	514.974	486.293	627.472
125.5	494.337	521.959	579.848	607.999	607.893	607.999	579.848	521.959	494.337	637.738
126.0	502.380	528.626	586.833	615.725	619.217	615.725	586.833	528.626	502.380	648.109
126.5	510.423	535.293	593.606	623.556	629.906	623.556	593.606	535.293	510.423	658.269
127.0	518.466	541.855	600.062	630.964	639.325	630.964	600.062	541.855	518.466	668.534
127.5	526.403	548.310	606.412	638.373	647.157	638.373	606.412	548.310	526.403	678.800
128.0	534.552	554.660	612.444	645.463	654.247	645.463	612.444	554.660	534.552	688.854
128.5	542.701	560.904	618.265	652.448	660.597	652.448	618.265	560.904	542.701	698.908
129.0	550.745	567.148	623.768	659.221	666.735	659.221	623.768	567.148	550.745	708.962
129.5	558.894	573.181	628.954	665.677	672.556	665.677	628.954	573.181	558.894	718.804
130.0	567.043	579.107	634.034	671.709	678.377	671.709	634.034	579.107	567.043	728.646
130.5	575.192	584.822	639.113	677.424	684.197	677.424	639.113	584.822	575.192	738.383
131.0	583.340	590.537	643.982	682.822	690.018	682.822	643.982	590.537	583.340	748.225
131.5	591.489	596.252	648.744	688.007	695.945	688.007	648.744	596.252	591.489	757.856
132.0	599.638	601.861	653.401	692.981	701.871	692.981	653.401	601.861	599.638	767.804
132.5	607.893	607.258	658.269	697.955	707.904	697.955	658.269	607.258	607.893	777.435
133.0	616.042	612.550	663.243	703.035	713.830	703.035	663.243	612.550	616.042	787.171
133.5	624.191	617.841	668.640	708.009	719.757	708.009	668.640	617.841	624.191	796.696
134.0	632.340	623.027	673.932	712.878	725.683	712.878	673.932	623.027	632.340	806.326
134.5	640.595	628.107	679.118	717.534	731.398	717.534	679.118	628.107	640.595	815.534
135.0	648.850	633.187	684.197	722.191	736.690	722.191	684.197	633.187	648.850	824.635
135.5	657.105	638.161	689.171	726.318	741.558	726.318	689.171	638.161	657.105	833.842
136.0	665.254	643.241	693.934	730.551	746.109	730.551	693.934	643.241	665.254	843.367
136.5	673.509	648.321	698.485	734.044	749.813	734.044	698.485	648.321	673.509	851.834
137.0	681.763	653.189	703.035	737.430	753.411	737.430	703.035	653.189	681.763	861.676
137.5	689.912	658.163	707.480	740.288	756.798	740.288	707.480	658.163	689.912	870.566
138.0	698.167	663.349	711.925	743.039	759.867	743.039	711.925	663.349	698.167	879.350
138.5	706.528	668.429	715.841	745.791	762.195	745.791	715.841	668.429	706.528	887.816

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	714.888	673.509	719.651	748.543	764.523	748.543	719.651	673.509	714.888	896.494
139.5	723.143	678.588	723.355	751.294	766.851	751.294	723.355	678.588	723.143	905.173
140.0	731.398	683.562	726.953	754.152	768.968	754.152	726.953	683.562	731.398	914.062
140.5	739.759	688.537	730.234	757.221	770.979	757.221	730.234	688.537	739.759	921.894
141.0	748.014	693.511	733.515	760.502	773.307	760.502	733.515	693.511	748.014	930.043
141.5	756.268	698.485	736.478	763.782	775.741	763.782	736.478	698.485	756.268	937.980
142.0	764.523	703.353	739.335	767.063	778.070	767.063	739.335	703.353	764.523	946.235
142.5	772.460	708.221	741.981	770.132	780.398	770.132	741.981	708.221	772.460	953.749
143.0	780.504	713.195	744.521	773.095	782.726	773.095	744.521	713.195	780.504	961.580
143.5	788.441	718.169	746.849	775.847	785.372	775.847	746.849	718.169	788.441	968.777
144.0	795.955	723.249	748.966	778.493	787.806	778.493	748.966	723.249	795.955	975.656
144.5	804.210	728.223	751.083	780.927	790.134	780.927	751.083	728.223	804.210	982.535
145.0	812.041	733.303	752.988	783.255	792.463	783.255	752.988	733.303	812.041	989.626
145.5	819.555	738.383	754.787	785.372	794.473	785.372	754.787	738.383	819.555	996.081
146.0	827.598	743.463	756.480	787.277	796.484	787.277	756.480	743.463	827.598	1002.749
146.5	835.007	748.543	758.173	789.182	798.177	789.182	758.173	748.543	835.007	1008.993
147.0	842.415	753.623	759.867	790.981	799.871	790.981	759.867	753.623	842.415	1015.872
147.5	849.717	758.914	761.560	792.463	801.035	792.463	761.560	758.914	849.717	1022.539
148.0	857.972	764.312	763.465	793.627	801.458	793.627	763.465	764.312	857.972	1027.831
148.5	864.957	769.815	765.581	794.685	803.363	794.685	765.581	769.815	864.957	1034.075
149.0	872.471	775.212	767.698	795.426	803.998	795.426	767.698	775.212	872.471	1040.001
149.5	879.667	780.821	770.026	796.696	803.998	796.696	770.026	780.821	879.667	1046.034
150.0	887.075	786.430	772.672	797.648	804.951	797.648	772.672	786.430	887.075	1052.278
150.5	894.484	792.145	775.530	798.283	805.797	798.283	775.530	792.145	894.484	1057.569
151.0	902.103	798.072	778.599	799.342	806.750	799.342	778.599	798.072	902.103	1062.543
151.5	909.194	804.104	781.774	800.400	806.961	800.400	781.774	804.104	909.194	1067.835
152.0	917.026	810.242	785.160	801.882	807.491	801.882	785.160	810.242	917.026	1073.126
152.5	924.116	816.486	788.758	802.728	807.808	802.728	788.758	816.486	924.116	1078.418
153.0	930.995	822.095	792.357	803.786	808.761	803.786	792.357	822.095	930.995	1083.709
153.5	937.663	828.657	796.484	805.374	809.607	805.374	796.484	828.657	937.663	1087.943
154.0	944.013	835.324	800.082	807.067	810.560	807.067	800.082	835.324	944.013	1092.176
154.5	950.574	841.356	804.421	808.972	812.041	808.972	804.421	841.356	950.574	1096.409
155.0	957.241	847.918	808.761	810.983	814.264	810.983	808.761	847.918	957.241	1101.701
155.5	963.591	854.480	812.994	813.100	815.745	813.100	812.994	854.480	963.591	1104.876
156.0	970.047	861.147	817.968	815.745	818.074	815.745	817.968	861.147	970.047	1109.109
156.5	976.714	867.814	822.519	818.709	820.190	818.709	822.519	867.814	976.714	1112.284
157.0	982.853	874.164	826.963	821.884	822.624	821.884	826.963	874.164	982.853	1115.459
157.5	988.673	880.831	832.149	825.482	825.799	825.482	832.149	880.831	988.673	1117.575
158.0	994.600	887.816	837.335	828.868	828.128	828.868	837.335	887.816	994.600	1121.809
158.5	1000.738	894.272	843.473	832.467	831.303	832.467	843.473	894.272	1000.738	1123.925
159.0	1006.030	901.574	848.341	836.488	835.218	836.488	848.341	901.574	1006.030	1127.100
159.5	1012.168	908.242	853.633	840.827	838.287	840.827	853.633	908.242	1012.168	1129.217
160.0	1017.777	914.697	859.454	845.378	841.674	845.378	859.454	914.697	1017.777	1132.392
160.5	1023.174	921.682	865.909	849.929	845.166	849.929	865.909	921.682	1023.174	1135.567
161.0	1028.466	928.879	871.836	855.009	849.400	855.009	871.836	928.879	1028.466	1137.683
161.5	1033.863	935.334	877.974	859.559	853.421	859.559	877.974	935.334	1033.863	1139.800
162.0	1038.943	942.002	884.747	865.168	857.654	865.168	884.747	942.002	1038.943	1141.917
162.5	1043.705	948.775	890.780	870.672	862.417	870.672	890.780	948.775	1043.705	1144.033
163.0	1049.103	955.442	897.235	875.646	867.497	875.646	897.235	955.442	1049.103	1146.150
163.5	1053.653	962.321	903.903	881.784	873.000	881.784	903.903	962.321	1053.653	1148.266
164.0	1058.098	969.518	910.464	887.605	878.397	887.605	910.464	969.518	1058.098	1150.383
164.5	1062.543	975.868	917.026	894.166	883.477	894.166	917.026	975.868	1062.543	1151.441
165.0	1066.777	982.747	923.587	900.304	889.933	900.304	923.587	982.747	1066.777	1153.558
165.5	1071.010	988.779	930.255	906.654	896.071	906.654	930.255	988.779	1071.010	1154.616
166.0	1076.301	995.235	937.345	912.792	903.056	912.792	937.345	995.235	1076.301	1155.675
166.5	1079.476	1002.325	944.013	919.671	909.406	919.671	944.013	1002.325	1079.476	1156.733

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES

## CANDELA TABULATION - (Cont.)

167.0	1083.709	1008.464	950.468	927.080	917.026	927.080	950.468	1008.464	1083.709	1157.791
167.5	1087.943	1014.919	957.982	933.747	923.905	933.747	957.982	1014.919	1087.943	1158.849
168.0	1092.176	1021.481	964.755	940.414	930.466	940.414	964.755	1021.481	1092.176	1158.849
168.5	1095.351	1027.937	971.317	948.034	939.038	948.034	971.317	1027.937	1095.351	1159.908
169.0	1098.526	1033.440	978.408	955.231	946.235	955.231	978.408	1033.440	1098.526	1159.908
169.5	1100.642	1038.837	985.604	962.004	954.596	962.004	985.604	1038.837	1100.642	1159.908
170.0	1104.876	1044.658	992.906	969.624	962.004	969.624	992.906	1044.658	1104.876	1159.908
170.5	1106.992	1050.584	999.891	976.820	970.682	976.820	999.891	1050.584	1106.992	1159.908
171.0	1110.167	1055.664	1006.665	984.652	978.725	984.652	1006.665	1055.664	1110.167	1158.849
171.5	1112.284	1061.485	1013.755	991.636	986.557	991.636	1013.755	1061.485	1112.284	1158.849
172.0	1115.459	1066.777	1020.423	999.680	995.341	999.680	1020.423	1066.777	1115.459	1158.849
172.5	1117.575	1072.068	1027.302	1007.934	1002.960	1007.934	1027.302	1072.068	1117.575	1157.791
173.0	1120.750	1077.360	1034.498	1015.448	1012.379	1015.448	1034.498	1077.360	1120.750	1156.733
173.5	1122.867	1081.593	1041.271	1023.386	1020.423	1023.386	1041.271	1081.593	1122.867	1156.733
174.0	1123.925	1086.884	1048.256	1032.064	1027.937	1032.064	1048.256	1086.884	1123.925	1154.616
174.5	1126.042	1092.176	1055.453	1040.319	1036.932	1040.319	1055.453	1092.176	1126.042	1153.558
175.0	1128.158	1095.351	1061.485	1047.621	1046.245	1047.621	1061.485	1095.351	1128.158	1152.500
175.5	1129.217	1100.642	1068.893	1056.299	1054.288	1056.299	1068.893	1100.642	1129.217	1150.383
176.0	1130.275	1103.817	1075.243	1064.660	1062.543	1064.660	1075.243	1103.817	1130.275	1148.266
176.5	1131.333	1108.051	1081.593	1073.126	1071.010	1073.126	1081.593	1108.051	1131.333	1148.266
177.0	1132.392	1113.342	1087.943	1080.535	1080.535	1080.535	1087.943	1113.342	1132.392	1145.091
177.5	1133.450	1115.459	1094.293	1089.001	1087.943	1089.001	1094.293	1115.459	1133.450	1142.975
178.0	1134.508	1118.634	1100.642	1096.409	1097.468	1096.409	1100.642	1118.634	1134.508	1140.858
178.5	1134.508	1122.867	1105.934	1104.876	1104.876	1104.876	1105.934	1122.867	1134.508	1138.742
179.0	1135.567	1126.042	1112.284	1111.226	1113.342	1111.226	1112.284	1126.042	1135.567	1136.625
179.5	1135.567	1128.158	1117.575	1119.692	1121.809	1119.692	1117.575	1128.158	1135.567	1134.508
180.0	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158

## 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	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477	1442.477
0.5	1439.302	1444.593	1445.652	1444.593	1439.302	1445.652	1431.893
1.0	1438.243	1443.535	1444.593	1443.535	1438.243	1445.652	1430.835
1.5	1437.185	1442.477	1444.593	1442.477	1437.185	1444.593	1430.835
2.0	1436.127	1441.418	1443.535	1441.418	1436.127	1443.535	1429.777
2.5	1435.068	1439.302	1442.477	1439.302	1435.068	1441.418	1429.777
3.0	1432.952	1438.243	1441.418	1438.243	1432.952	1440.360	1428.719
3.5	1431.893	1436.127	1439.302	1436.127	1431.893	1438.243	1427.660
4.0	1428.719	1434.010	1437.185	1434.010	1428.719	1437.185	1425.544
4.5	1426.602	1430.835	1434.010	1430.835	1426.602	1435.068	1423.427
5.0	1424.485	1428.719	1431.893	1428.719	1424.485	1432.952	1422.369
5.5	1421.310	1425.544	1428.719	1425.544	1421.310	1429.777	1420.252
6.0	1418.135	1421.310	1424.485	1421.310	1418.135	1427.660	1418.135
6.5	1414.961	1418.135	1421.310	1418.135	1414.961	1424.485	1416.019
7.0	1410.727	1413.902	1416.019	1413.902	1410.727	1421.310	1412.844
7.5	1407.552	1409.669	1411.786	1409.669	1407.552	1418.135	1410.727
8.0	1403.319	1404.377	1406.494	1404.377	1403.319	1414.961	1407.552
8.5	1399.086	1400.144	1401.202	1400.144	1399.086	1411.786	1404.377
9.0	1394.853	1394.853	1394.853	1394.853	1394.853	1408.611	1401.202
9.5	1390.619	1388.503	1388.503	1388.503	1390.619	1404.377	1396.969
10.0	1386.386	1383.211	1382.153	1383.211	1386.386	1400.144	1393.794
10.5	1381.095	1376.861	1374.745	1376.861	1381.095	1395.911	1389.561
11.0	1375.803	1370.511	1368.395	1370.511	1375.803	1391.678	1385.328
11.5	1370.511	1364.162	1360.987	1364.162	1370.511	1387.444	1381.095
12.0	1364.162	1357.812	1352.520	1357.812	1364.162	1382.153	1376.861



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES**

**CANDELA TABULATION - (Cont.)**

12.5	1357.812	1350.404	1345.112	1350.404	1357.812	1377.920	1371.570
13.0	1351.462	1342.995	1337.704	1342.995	1351.462	1372.628	1367.337
13.5	1345.112	1335.587	1329.237	1335.587	1345.112	1367.337	1362.045
14.0	1338.762	1328.179	1320.771	1328.179	1338.762	1362.045	1356.753
14.5	1332.412	1319.713	1312.304	1319.713	1332.412	1355.695	1351.462
15.0	1325.004	1312.304	1302.780	1312.304	1325.004	1350.404	1346.170
15.5	1317.596	1302.780	1294.313	1302.780	1317.596	1344.054	1340.879
16.0	1310.188	1295.371	1285.847	1295.371	1310.188	1338.762	1334.529
16.5	1302.780	1285.847	1276.322	1285.847	1302.780	1331.354	1329.237
17.0	1295.371	1277.380	1266.797	1277.380	1295.371	1325.004	1322.888
17.5	1285.847	1267.855	1257.272	1267.855	1285.847	1318.654	1316.538
18.0	1278.439	1259.389	1247.748	1259.389	1278.439	1311.246	1310.188
18.5	1269.972	1248.806	1237.164	1248.806	1269.972	1304.896	1303.838
19.0	1261.506	1239.281	1226.581	1239.281	1261.506	1297.488	1297.488
19.5	1253.039	1229.756	1217.057	1229.756	1253.039	1290.080	1291.138
20.0	1243.514	1219.173	1206.473	1219.173	1243.514	1281.613	1283.730
20.5	1233.989	1209.648	1195.890	1209.648	1233.989	1274.205	1276.322
21.0	1225.523	1199.065	1185.307	1199.065	1225.523	1265.739	1268.914
21.5	1215.998	1188.482	1174.724	1188.482	1215.998	1258.331	1261.506
22.0	1206.473	1178.957	1163.083	1178.957	1206.473	1249.864	1254.097
22.5	1196.949	1167.316	1151.441	1167.316	1196.949	1241.398	1245.631
23.0	1187.424	1156.733	1140.858	1156.733	1187.424	1232.931	1238.223
23.5	1177.899	1146.150	1130.275	1146.150	1177.899	1224.465	1229.756
24.0	1167.316	1135.567	1118.634	1135.567	1167.316	1214.940	1221.290
24.5	1158.849	1124.984	1108.051	1124.984	1158.849	1206.473	1213.882
25.0	1148.266	1114.400	1097.468	1114.400	1148.266	1196.949	1204.357
25.5	1138.742	1103.817	1085.826	1103.817	1138.742	1188.482	1195.890
26.0	1128.158	1093.234	1074.185	1093.234	1128.158	1178.957	1187.424
26.5	1118.634	1082.651	1063.602	1082.651	1118.634	1169.433	1177.899
27.0	1108.051	1072.068	1052.489	1072.068	1108.051	1159.908	1169.433
27.5	1098.526	1060.427	1041.377	1060.427	1098.526	1150.383	1158.849
28.0	1086.884	1050.161	1029.630	1050.161	1086.884	1139.800	1150.383
28.5	1077.360	1038.731	1018.941	1038.731	1077.360	1130.275	1140.858
29.0	1065.718	1027.937	1007.511	1027.937	1065.718	1119.692	1130.275
29.5	1055.029	1016.401	996.187	1016.401	1055.029	1109.109	1120.750
30.0	1044.129	1005.077	985.181	1005.077	1044.129	1099.584	1110.167
30.5	1032.911	993.965	973.857	993.965	1032.911	1089.001	1100.642
31.0	1021.693	982.535	962.639	982.535	1021.693	1078.418	1090.059
31.5	1010.369	970.470	951.103	970.470	1010.369	1067.835	1080.535
32.0	999.045	958.617	939.462	958.617	999.045	1057.040	1069.951
32.5	987.509	946.976	928.032	946.976	987.509	1046.034	1059.368
33.0	976.079	935.229	916.391	935.229	976.079	1035.133	1048.891
33.5	964.544	923.481	904.855	923.481	964.544	1023.915	1038.308
34.0	953.432	911.099	893.214	911.099	953.432	1012.379	1027.831
34.5	941.896	898.929	881.784	898.929	941.896	1001.373	1017.565
35.0	930.572	886.758	869.402	886.758	930.572	989.626	1006.559
35.5	919.142	874.905	857.443	874.905	919.142	978.196	995.658
36.0	907.713	862.417	844.531	862.417	907.713	966.766	984.546
36.5	895.965	851.093	832.996	851.093	895.965	955.231	973.751
37.0	884.324	838.605	821.037	838.605	884.324	943.589	962.745
37.5	872.365	826.752	808.549	826.752	872.365	932.159	951.527
38.0	860.618	814.475	796.907	814.475	860.618	920.624	939.885
38.5	848.976	802.516	784.102	802.516	848.976	908.771	928.773
39.0	836.382	791.087	776.059	791.087	836.382	897.024	917.237
39.5	824.212	780.504	763.888	780.504	824.212	885.488	906.019
40.0	812.570	770.556	751.718	770.556	812.570	873.847	894.484

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES**

**CANDELA TABULATION - (Cont.)**

40.5	800.929	758.491	739.653	758.491	800.929	861.782	883.054
41.0	788.864	746.532	727.800	746.532	788.864	850.140	871.518
41.5	778.705	734.573	716.158	734.573	778.705	838.393	860.089
42.0	769.074	722.932	704.729	722.932	769.074	826.752	848.765
42.5	757.432	711.502	693.405	711.502	757.432	814.793	837.335
43.0	746.003	700.284	682.504	700.284	746.003	802.834	826.117
43.5	734.573	689.277	671.709	689.277	734.573	791.404	814.475
44.0	723.249	678.377	661.020	678.377	723.249	781.562	803.575
44.5	712.031	667.582	650.649	667.582	712.031	772.143	792.251
45.0	701.025	656.787	640.595	656.787	701.025	760.502	783.996
45.5	690.018	646.310	630.329	646.310	690.018	748.754	773.942
46.0	679.223	635.833	620.276	635.833	679.223	737.219	762.724
46.5	668.534	625.355	610.222	625.355	668.534	725.789	751.612
47.0	657.740	614.984	600.379	614.984	657.740	714.359	740.394
47.5	647.157	604.613	590.431	604.613	647.157	703.035	729.176
48.0	636.362	594.347	580.166	594.347	636.362	691.817	717.958
48.5	625.779	584.081	570.217	584.081	625.779	680.705	706.739
49.0	615.407	573.922	560.163	573.922	615.407	669.699	695.733
49.5	604.824	563.868	550.321	563.868	604.824	658.798	684.621
50.0	594.347	553.919	540.373	553.919	594.347	647.897	673.509
50.5	583.975	543.971	530.637	543.971	583.975	637.103	662.396
51.0	573.710	534.129	520.794	534.129	573.710	626.308	651.390
51.5	563.444	524.393	510.846	524.393	563.444	615.619	640.383
52.0	553.284	514.762	501.216	514.762	553.284	604.930	629.377
52.5	543.231	505.237	491.691	505.237	543.231	594.135	618.476
53.0	533.071	495.924	482.272	495.924	533.071	583.552	607.576
53.5	523.228	486.505	472.641	486.505	523.228	572.969	596.569
54.0	513.280	477.086	463.222	477.086	513.280	562.280	585.669
54.5	503.332	467.561	453.698	467.561	503.332	551.591	574.768
55.0	493.490	458.248	444.384	458.248	493.490	541.114	564.079
55.5	483.648	448.935	435.177	448.935	483.648	530.742	553.390
56.0	473.805	439.622	425.970	439.622	473.805	520.265	542.490
56.5	464.069	430.415	416.974	430.415	464.069	509.894	531.695
57.0	454.332	421.419	408.084	421.419	454.332	499.522	521.112
57.5	444.596	412.318	399.300	412.318	444.596	489.151	510.423
58.0	434.965	403.110	390.411	403.110	434.965	478.779	499.840
58.5	425.441	394.220	381.944	394.220	425.441	468.408	489.468
59.0	416.022	385.437	373.160	385.437	416.022	458.248	479.097
59.5	406.709	376.653	364.588	376.653	406.709	448.088	469.149
60.0	397.395	367.974	356.439	367.974	397.395	438.035	458.989
60.5	388.188	359.402	348.078	359.402	388.188	428.192	449.041
61.0	379.087	350.936	339.929	350.936	379.087	418.350	439.093
61.5	369.985	342.575	331.886	342.575	369.985	408.614	428.933
62.0	361.095	334.320	323.949	334.320	361.095	398.771	418.773
62.5	352.311	326.277	316.117	326.277	352.311	388.929	408.719
63.0	343.422	318.340	308.392	318.340	343.422	379.192	398.771
63.5	334.638	310.402	300.772	310.402	334.638	369.562	388.929
64.0	326.065	302.571	293.152	302.571	326.065	359.931	379.087
64.5	317.493	294.739	285.638	294.739	317.493	350.301	369.456
65.0	309.132	287.014	278.230	287.014	309.132	340.776	359.931
65.5	300.772	279.394	270.610	279.394	300.772	331.569	350.301
66.0	292.517	271.774	263.308	271.774	292.517	322.361	340.882
66.5	284.368	264.260	256.005	264.260	284.368	313.154	331.569
67.0	276.219	256.958	248.809	256.958	276.219	304.158	322.150
67.5	268.282	249.550	241.401	249.550	268.282	295.268	312.942
68.0	260.027	242.036	233.992	242.036	260.027	286.273	303.735

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

68.5	252.089	234.733	226.478	234.733	252.089	277.489	294.634
69.0	244.364	227.537	219.388	227.537	244.364	268.705	285.426
69.5	236.532	220.446	212.509	220.446	236.532	260.027	276.431
70.0	228.912	213.461	205.524	213.461	228.912	251.454	267.541
70.5	221.187	206.370	198.751	206.370	221.187	242.882	258.651
71.0	213.567	199.491	191.660	199.491	213.567	234.310	249.761
71.5	205.947	192.824	184.569	192.824	205.947	225.949	241.083
72.0	198.433	186.263	178.008	186.263	198.433	217.483	232.299
72.5	191.237	179.807	171.658	179.807	191.237	209.228	223.621
73.0	184.146	173.563	165.414	173.563	184.146	201.079	214.943
73.5	177.161	167.319	159.276	167.319	177.161	192.930	206.370
74.0	170.176	161.181	153.243	161.181	170.176	184.887	197.798
74.5	163.403	155.148	147.423	155.148	163.403	176.949	189.437
75.0	156.736	149.222	142.131	149.222	156.736	169.118	181.289
75.5	150.174	143.401	137.369	143.401	150.174	161.392	173.140
76.0	143.824	137.686	133.135	137.686	143.824	153.984	165.202
76.5	137.686	131.971	128.796	131.971	137.686	146.576	157.265
77.0	131.548	126.256	123.716	126.256	131.548	139.379	149.645
77.5	125.410	120.647	118.742	120.647	125.410	132.289	141.919
78.0	119.272	115.038	113.874	115.038	119.272	125.304	134.511
78.5	113.345	109.641	108.900	109.641	113.345	118.531	127.103
79.0	107.524	104.349	103.714	104.349	107.524	111.863	119.907
79.5	101.704	99.164	98.740	99.164	101.704	105.302	112.816
80.0	95.989	93.978	93.766	93.978	95.989	98.952	105.937
80.5	90.380	88.898	88.898	88.898	90.380	92.708	99.164
81.0	84.982	83.924	84.136	83.924	84.982	86.676	92.708
81.5	79.585	79.056	79.373	79.056	79.585	80.855	86.252
82.0	74.399	74.293	74.717	74.293	74.399	75.140	80.008
82.5	69.425	69.531	70.166	69.531	69.425	69.637	74.082
83.0	64.451	64.980	65.721	64.980	64.451	64.451	68.155
83.5	59.583	60.535	61.382	60.535	59.583	59.265	62.440
84.0	54.926	56.090	57.043	56.090	54.926	54.397	56.831
84.5	50.376	51.857	52.916	51.857	50.376	49.529	51.540
85.0	45.931	47.624	48.788	47.624	45.931	44.767	46.354
85.5	41.592	43.602	44.767	43.602	41.592	40.110	41.380
86.0	37.358	39.581	40.851	39.581	37.358	35.665	36.512
86.5	33.231	35.665	37.041	35.665	33.231	31.326	31.855
87.0	29.315	31.855	33.337	31.855	29.315	27.093	27.304
87.5	25.399	28.151	29.739	28.151	25.399	22.965	22.965
88.0	21.378	23.389	24.870	23.389	21.378	18.838	18.732
88.5	15.345	15.028	14.922	15.028	15.345	14.393	14.499
89.0	9.419	8.996	10.583	8.996	9.419	10.054	10.266
89.5	7.197	7.197	9.842	7.197	7.197	7.514	6.667
90.0	8.255	7.514	10.266	7.514	8.255	8.255	5.821
90.5	13.229	14.076	14.816	14.076	13.229	11.641	7.091
91.0	15.345	16.510	17.250	16.510	15.345	13.441	9.631
91.5	17.145	18.520	19.050	18.520	17.145	15.451	11.959
92.0	18.838	20.425	20.743	20.425	18.838	18.309	13.970
92.5	20.531	22.119	22.330	22.119	20.531	22.119	16.404
93.0	23.071	23.918	24.024	23.918	23.071	25.823	19.261
93.5	26.987	26.140	25.823	26.140	26.987	29.739	22.648
94.0	33.760	29.209	28.786	29.209	33.760	34.078	26.458
94.5	41.592	33.019	32.384	33.019	41.592	39.157	30.691
95.0	47.941	38.734	36.618	38.734	47.941	45.296	35.242
95.5	53.762	49.952	42.544	49.952	53.762	51.646	40.004
96.0	59.689	61.805	56.196	61.805	59.689	58.842	45.084

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

96.5	65.933	69.425	70.060	69.425	65.933	66.885	50.587
97.0	72.494	76.304	77.997	76.304	72.494	73.870	56.302
97.5	79.479	82.866	85.300	82.866	79.479	80.961	62.334
98.0	86.781	89.639	92.285	89.639	86.781	88.475	68.578
98.5	94.401	96.835	99.587	96.835	94.401	96.095	74.928
99.0	102.444	104.349	107.101	104.349	102.444	104.138	81.490
99.5	111.652	112.181	114.932	112.181	111.652	112.393	88.263
100.0	121.600	120.436	122.976	120.436	121.600	120.859	95.248
100.5	131.548	128.902	131.336	128.902	131.548	129.537	102.233
101.0	144.671	137.686	139.909	137.686	144.671	138.427	109.323
101.5	157.900	146.893	148.798	146.893	157.900	147.423	116.520
102.0	172.187	156.312	157.794	156.312	172.187	156.630	123.928
102.5	187.427	166.366	167.213	166.366	187.427	166.049	131.442
103.0	203.301	178.114	176.844	178.114	203.301	175.785	138.956
103.5	218.329	190.496	186.792	190.496	218.329	185.945	146.576
104.0	233.040	202.772	199.491	202.772	233.040	195.893	154.196
104.5	246.904	213.884	214.414	213.884	246.904	205.947	161.921
105.0	260.344	224.997	223.938	224.997	260.344	215.789	169.647
105.5	273.573	237.591	233.357	237.591	273.573	226.267	177.373
106.0	286.696	250.819	244.470	250.819	286.696	237.485	185.204
106.5	299.502	265.424	256.323	265.424	299.502	248.280	192.930
107.0	312.201	281.405	268.917	281.405	312.201	258.439	200.867
107.5	324.584	299.608	281.722	299.608	324.584	268.282	208.805
108.0	336.966	319.186	295.480	319.186	336.966	278.018	216.742
108.5	349.242	339.188	310.826	339.188	349.242	287.649	224.573
109.0	361.730	359.931	327.864	359.931	361.730	297.173	232.405
109.5	373.901	380.357	346.808	380.357	373.901	306.698	240.342
110.0	386.177	399.830	367.657	399.830	386.177	316.223	248.280
110.5	398.348	418.350	389.881	418.350	398.348	326.065	256.111
111.0	410.518	435.706	412.318	435.706	410.518	335.908	264.048
111.5	422.795	452.322	434.225	452.322	422.795	345.856	272.092
112.0	435.071	467.773	455.497	467.773	435.071	355.910	280.029
112.5	447.242	482.484	475.605	482.484	447.242	365.964	288.072
113.0	459.412	496.771	494.654	496.771	459.412	376.123	295.903
113.5	471.900	510.529	512.328	510.529	471.900	386.389	303.841
114.0	484.706	524.075	529.049	524.075	484.706	396.549	311.884
114.5	497.723	537.516	544.606	537.516	497.723	406.920	319.927
115.0	510.846	550.639	559.423	550.639	510.846	417.397	327.759
115.5	524.393	563.444	573.710	563.444	524.393	427.875	335.696
116.0	538.362	576.250	587.362	576.250	538.362	438.246	343.633
116.5	552.544	588.950	600.803	588.950	552.544	448.618	351.676
117.0	566.937	601.332	613.714	601.332	566.937	458.989	359.508
117.5	581.012	613.820	626.520	613.820	581.012	469.360	367.339
118.0	594.347	626.202	639.219	626.202	594.347	480.049	375.277
118.5	606.835	638.478	651.601	638.478	606.835	490.633	383.108
119.0	619.006	650.649	663.878	650.649	619.006	501.216	391.151
119.5	630.647	662.714	675.837	662.714	630.647	511.799	399.089
120.0	641.759	674.990	687.796	674.990	641.759	522.276	406.920
120.5	652.554	687.478	699.860	687.478	652.554	532.965	414.752
121.0	662.820	700.178	711.713	700.178	662.820	543.442	422.689
121.5	672.979	713.407	723.249	713.407	672.979	554.025	430.521
122.0	682.822	727.059	735.314	727.059	682.822	564.503	438.458
122.5	692.664	740.923	747.696	740.923	692.664	574.980	446.395
123.0	702.718	754.998	760.607	754.998	702.718	585.457	454.332
123.5	712.454	769.074	774.048	769.074	712.454	596.040	462.376
124.0	722.402	782.620	787.912	782.620	722.402	606.517	470.419

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES**

**CANDELA TABULATION - (Cont.)**

124.5	732.456	795.637	801.564	795.637	732.456	616.995	478.356
125.0	742.722	808.020	815.110	808.020	742.722	627.472	486.293
125.5	753.199	818.920	828.233	818.920	753.199	637.738	494.337
126.0	763.571	830.033	839.875	830.033	763.571	648.109	502.380
126.5	773.942	839.028	851.622	839.028	773.942	658.269	510.423
127.0	784.102	848.870	861.888	848.870	784.102	668.534	518.466
127.5	794.368	858.184	872.047	858.184	794.368	678.800	526.403
128.0	804.633	867.073	880.831	867.073	804.633	688.854	534.552
128.5	815.005	875.752	889.404	875.752	815.005	698.908	542.701
129.0	825.059	885.276	898.082	885.276	825.059	708.962	550.745
129.5	835.642	894.378	908.030	894.378	835.642	718.804	558.894
130.0	845.378	903.373	917.978	903.373	845.378	728.646	567.043
130.5	855.432	912.263	928.032	912.263	855.432	738.383	575.192
131.0	864.851	921.047	937.663	921.047	864.851	748.225	583.340
131.5	874.587	929.620	945.918	929.620	874.587	757.856	591.489
132.0	883.795	938.827	955.231	938.827	883.795	767.804	599.638
132.5	892.896	946.870	963.380	946.870	892.896	777.435	607.893
133.0	902.315	955.442	972.058	955.442	902.315	787.171	616.042
133.5	911.628	964.015	979.043	964.015	911.628	796.696	624.191
134.0	919.883	972.693	987.192	972.693	919.883	806.326	632.340
134.5	929.302	982.006	995.129	982.006	929.302	815.534	640.595
135.0	938.192	990.684	1003.384	990.684	938.192	824.635	648.850
135.5	946.764	998.727	1011.533	998.727	946.764	833.842	657.105
136.0	955.442	1007.617	1019.999	1007.617	955.442	843.367	665.254
136.5	963.803	1016.189	1027.725	1016.189	963.803	851.834	673.509
137.0	972.481	1024.867	1036.403	1024.867	972.481	861.676	681.763
137.5	980.524	1033.969	1045.081	1033.969	980.524	870.566	689.912
138.0	989.732	1042.541	1053.653	1042.541	989.732	879.350	698.167
138.5	997.881	1050.796	1062.543	1050.796	997.881	887.816	706.528
139.0	1006.241	1058.310	1069.951	1058.310	1006.241	896.494	714.888
139.5	1014.284	1066.777	1078.418	1066.777	1014.284	905.173	723.143
140.0	1022.962	1075.243	1086.884	1075.243	1022.962	914.062	731.398
140.5	1030.476	1083.709	1095.351	1083.709	1030.476	921.894	739.759
141.0	1038.625	1092.176	1102.759	1092.176	1038.625	930.043	748.014
141.5	1046.034	1099.584	1111.226	1099.584	1046.034	937.980	756.268
142.0	1054.288	1106.992	1119.692	1106.992	1054.288	946.235	764.523
142.5	1061.485	1115.459	1126.042	1115.459	1061.485	953.749	772.460
143.0	1067.835	1122.867	1135.567	1122.867	1067.835	961.580	780.504
143.5	1075.243	1130.275	1142.975	1130.275	1075.243	968.777	788.441
144.0	1082.651	1137.683	1151.441	1137.683	1082.651	975.656	795.955
144.5	1089.001	1145.091	1158.849	1145.091	1089.001	982.535	804.210
145.0	1095.351	1152.500	1167.316	1152.500	1095.351	989.626	812.041
145.5	1101.701	1159.908	1175.782	1159.908	1101.701	996.081	819.555
146.0	1106.992	1166.258	1184.249	1166.258	1106.992	1002.749	827.598
146.5	1113.342	1172.608	1190.599	1172.608	1113.342	1008.993	835.007
147.0	1118.634	1178.957	1198.007	1178.957	1118.634	1015.872	842.415
147.5	1123.925	1184.249	1203.299	1184.249	1123.925	1022.539	849.717
148.0	1129.217	1189.540	1209.648	1189.540	1129.217	1027.831	857.972
148.5	1134.508	1194.832	1214.940	1194.832	1134.508	1034.075	864.957
149.0	1138.742	1199.065	1219.173	1199.065	1138.742	1040.001	872.471
149.5	1144.033	1203.299	1223.406	1203.299	1144.033	1046.034	879.667
150.0	1149.325	1206.473	1225.523	1206.473	1149.325	1052.278	887.075
150.5	1153.558	1210.707	1228.698	1210.707	1153.558	1057.569	894.484
151.0	1156.733	1212.823	1231.873	1212.823	1156.733	1062.543	902.103
151.5	1162.024	1215.998	1235.048	1215.998	1162.024	1067.835	909.194
152.0	1165.199	1218.115	1236.106	1218.115	1165.199	1073.126	917.026

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

152.5	1169.433	1220.231	1238.223	1220.231	1169.433	1078.418	924.116
153.0	1172.608	1223.406	1241.398	1223.406	1172.608	1083.709	930.995
153.5	1176.841	1226.581	1243.514	1226.581	1176.841	1087.943	937.663
154.0	1180.016	1229.756	1246.689	1229.756	1180.016	1092.176	944.013
154.5	1182.132	1231.873	1248.806	1231.873	1182.132	1096.409	950.574
155.0	1186.366	1233.989	1251.981	1233.989	1186.366	1101.701	957.241
155.5	1188.482	1237.164	1254.097	1237.164	1188.482	1104.876	963.591
156.0	1191.657	1240.339	1256.214	1240.339	1191.657	1109.109	970.047
156.5	1193.774	1242.456	1258.331	1242.456	1193.774	1112.284	976.714
157.0	1196.949	1245.631	1260.447	1245.631	1196.949	1115.459	982.853
157.5	1199.065	1247.748	1262.564	1247.748	1199.065	1117.575	988.673
158.0	1201.182	1249.864	1264.680	1249.864	1201.182	1121.809	994.600
158.5	1203.299	1251.981	1265.739	1251.981	1203.299	1123.925	1000.738
159.0	1205.415	1254.097	1267.855	1254.097	1205.415	1127.100	1006.030
159.5	1206.473	1256.214	1269.972	1256.214	1206.473	1129.217	1012.168
160.0	1207.532	1257.272	1271.030	1257.272	1207.532	1132.392	1017.777
160.5	1209.648	1258.331	1272.089	1258.331	1209.648	1135.567	1023.174
161.0	1210.707	1260.447	1274.205	1260.447	1210.707	1137.683	1028.466
161.5	1210.707	1261.506	1274.205	1261.506	1210.707	1139.800	1033.863
162.0	1211.765	1261.506	1275.264	1261.506	1211.765	1141.917	1038.943
162.5	1212.823	1261.506	1275.264	1261.506	1212.823	1144.033	1043.705
163.0	1213.882	1261.506	1276.322	1261.506	1213.882	1146.150	1049.103
163.5	1213.882	1261.506	1275.264	1261.506	1213.882	1148.266	1053.653
164.0	1212.823	1260.447	1274.205	1260.447	1212.823	1150.383	1058.098
164.5	1212.823	1259.389	1273.147	1259.389	1212.823	1151.441	1062.543
165.0	1212.823	1258.331	1272.089	1258.331	1212.823	1153.558	1066.777
165.5	1212.823	1256.214	1271.030	1256.214	1212.823	1154.616	1071.010
166.0	1211.765	1255.156	1268.914	1255.156	1211.765	1155.675	1076.301
166.5	1210.707	1253.039	1266.797	1253.039	1210.707	1156.733	1079.476
167.0	1209.648	1250.922	1264.680	1250.922	1209.648	1157.791	1083.709
167.5	1208.590	1248.806	1261.506	1248.806	1208.590	1158.849	1087.943
168.0	1207.532	1246.689	1258.331	1246.689	1207.532	1158.849	1092.176
168.5	1205.415	1243.514	1255.156	1243.514	1205.415	1159.908	1095.351
169.0	1203.299	1241.398	1251.981	1241.398	1203.299	1159.908	1098.526
169.5	1201.182	1238.223	1248.806	1238.223	1201.182	1159.908	1100.642
170.0	1199.065	1235.048	1244.573	1235.048	1199.065	1159.908	1104.876
170.5	1196.949	1231.873	1241.398	1231.873	1196.949	1159.908	1106.992
171.0	1193.774	1227.640	1238.223	1227.640	1193.774	1158.849	1110.167
171.5	1191.657	1223.406	1233.989	1223.406	1191.657	1158.849	1112.284
172.0	1188.482	1220.231	1229.756	1220.231	1188.482	1158.849	1115.459
172.5	1186.366	1214.940	1225.523	1214.940	1186.366	1157.791	1117.575
173.0	1183.191	1210.707	1221.290	1210.707	1183.191	1156.733	1120.750
173.5	1178.957	1206.473	1215.998	1206.473	1178.957	1156.733	1122.867
174.0	1175.782	1201.182	1210.707	1201.182	1175.782	1154.616	1123.925
174.5	1172.608	1195.890	1204.357	1195.890	1172.608	1153.558	1126.042
175.0	1169.433	1190.599	1199.065	1190.599	1169.433	1152.500	1128.158
175.5	1165.199	1184.249	1192.715	1184.249	1165.199	1150.383	1129.217
176.0	1160.966	1178.957	1186.366	1178.957	1160.966	1148.266	1130.275
176.5	1156.733	1173.666	1178.957	1173.666	1156.733	1148.266	1131.333
177.0	1152.500	1167.316	1172.608	1167.316	1152.500	1145.091	1132.392
177.5	1148.266	1162.024	1166.258	1162.024	1148.266	1142.975	1133.450
178.0	1144.033	1154.616	1158.849	1154.616	1144.033	1140.858	1134.508
178.5	1138.742	1147.208	1151.441	1147.208	1138.742	1138.742	1134.508
179.0	1133.450	1140.858	1144.033	1140.858	1133.450	1136.625	1135.567
179.5	1128.158	1133.450	1136.625	1133.450	1128.158	1134.508	1135.567
180.0	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158	1128.158

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	513.84	N.A.	7.80
0-30	1054.13	N.A.	16.10
0-40	1652.82	N.A.	25.20
0-60	2681.18	N.A.	40.90
0-80	3193.03	N.A.	48.70
0-90	3253.02	N.A.	49.70
10-90	3117.23	N.A.	47.60
20-40	1138.98	N.A.	17.40
20-50	1702.61	N.A.	26.00
40-70	1356.71	N.A.	20.70
60-80	511.85	N.A.	7.80
70-80	183.49	N.A.	2.80
80-90	59.99	N.A.	0.90
90-110	262.91	N.A.	4.00
90-120	687.34	N.A.	10.50
90-130	1249.97	N.A.	19.10
90-150	2428.89	N.A.	37.10
90-180	3298.47	N.A.	50.30
110-180	3035.57	N.A.	46.30
0-180	6551.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.79
10-20	378.05
20-30	540.29
30-40	598.70
40-50	563.63
50-60	464.73
60-70	328.36
70-80	183.49
80-90	59.99
90-100	47.54
100-110	215.37
110-120	424.44
120-130	562.63
130-140	608.42
140-150	570.50
150-160	460.57
160-170	302.66
170-180	106.36

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.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	113	113	113	113	104	104	104	104	88	88	88	73	73	73	59	59	59	53
1	104	99	95	91	95	92	88	85	77	75	73	64	63	61	52	51	50	45
2	95	87	80	75	87	80	75	70	68	64	61	57	54	51	47	45	43	38
3	86	77	69	63	79	71	64	59	60	55	51	51	47	44	41	39	37	32
4	79	68	60	53	73	63	56	50	54	48	44	45	41	38	37	34	32	28
5	73	61	52	46	67	56	49	43	48	43	38	41	36	33	34	31	28	25
6	67	55	46	40	62	51	43	38	44	38	33	37	32	29	31	27	25	22
7	62	49	41	35	57	46	39	33	40	34	30	34	29	26	28	25	22	19
8	58	45	37	31	53	42	35	30	36	30	26	31	26	23	26	23	20	17
9	54	41	33	28	50	38	31	27	33	28	24	29	24	21	24	21	18	16
10	50	38	30	25	47	35	29	24	31	25	21	26	22	19	22	19	17	14



# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-835U-P8-835D-FA-F-POE PR\_.IES

## UGR TABLE - CORRECTED

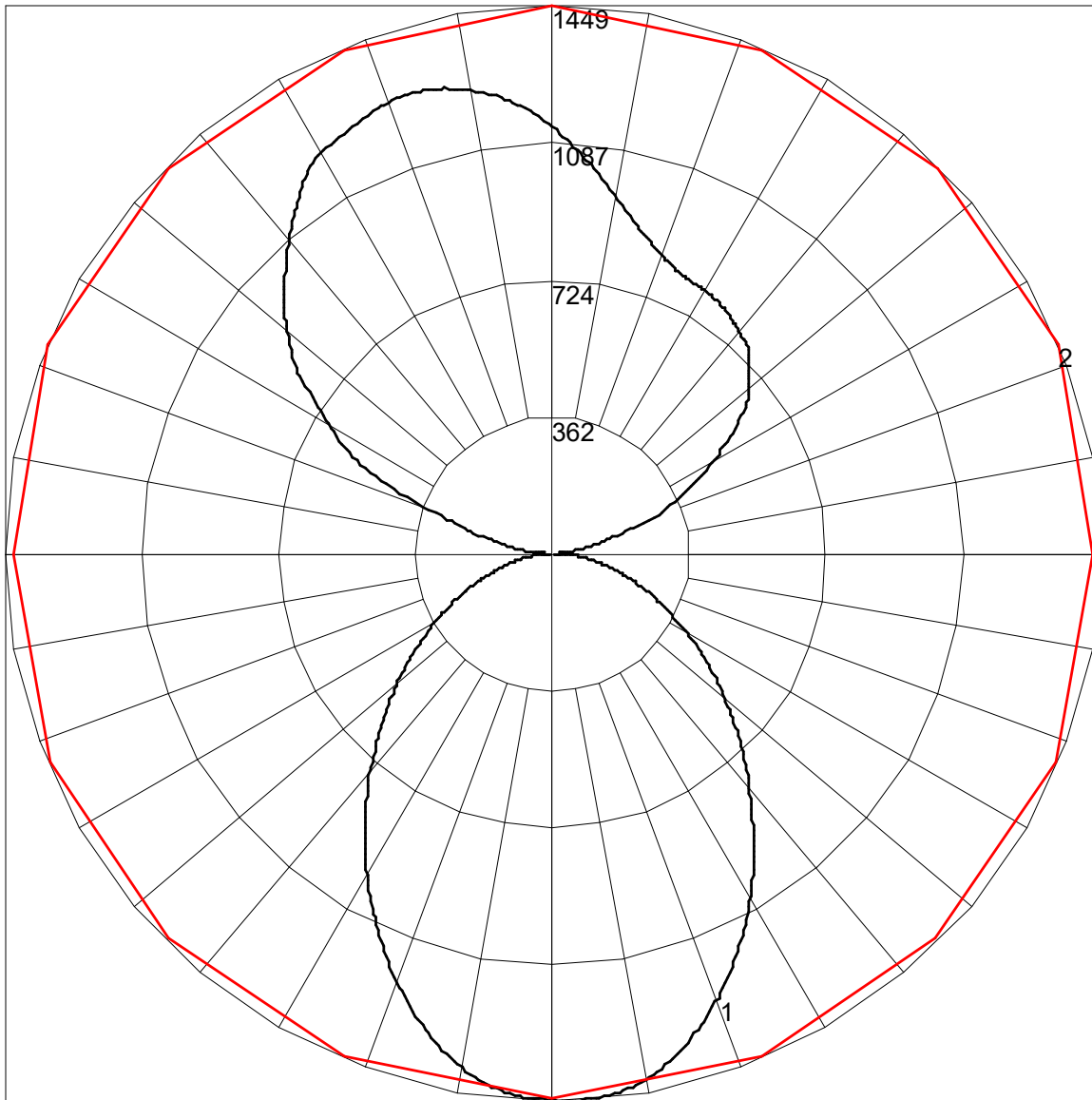
### Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	12.5	13.4	13.5	14.4	15.6	14.1	14.9	15.0	15.9	17.2
	3H	13.6	14.4	14.6	15.4	16.7	15.6	16.4	16.6	17.4	18.7
	4H	13.9	14.6	14.9	15.6	16.9	16.2	16.9	17.2	17.9	19.2
	6H	14.0	14.7	15.0	15.7	17.0	16.7	17.3	17.7	18.3	19.6
	8H	14.0	14.7	15.0	15.7	17.0	16.8	17.5	17.8	18.5	19.8
	12H	14.0	14.6	15.0	15.6	17.0	17.0	17.6	18.0	18.6	19.9
4H	2H	12.9	13.6	13.9	14.6	15.9	14.3	15.0	15.3	16.0	17.3
	3H	14.1	14.8	15.1	15.8	17.1	15.9	16.5	16.9	17.6	18.9
	4H	14.5	15.1	15.5	16.1	17.4	16.6	17.2	17.6	18.2	19.5
	6H	14.7	15.2	15.8	16.3	17.6	17.2	17.6	18.2	18.7	20.0
	8H	14.8	15.2	15.8	16.2	17.6	17.4	17.8	18.4	18.8	20.2
	12H	14.8	15.2	15.8	16.2	17.6	17.5	17.9	18.6	19.0	20.3
8H	4H	14.7	15.1	15.7	16.1	17.5	16.6	17.1	17.7	18.1	19.5
	6H	14.9	15.3	16.0	16.4	17.7	17.2	17.6	18.3	18.7	20.0
	8H	15.0	15.3	16.1	16.4	17.8	17.5	17.8	18.5	18.9	20.2
	12H	15.0	15.3	16.1	16.4	17.8	17.7	18.0	18.8	19.0	20.4
12H	4H	14.6	15.0	15.7	16.1	17.4	16.6	17.0	17.6	18.0	19.4
	6H	14.9	15.3	16.0	16.3	17.7	17.2	17.5	18.3	18.6	20.0
	8H	15.0	15.3	16.1	16.4	17.8	17.5	17.8	18.5	18.8	20.2

Maximum UGR = 20.4

POLAR GRAPH



Maximum Candela = 1448.826 Located At Horizontal Angle = 90, Vertical Angle = 2  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)