



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN from UL #13052732.03A  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 15 Mar, 2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-PoE PR 4000k  
 [LUMINAIRE] Formed White aluminum housing, frosted lens enclosures  
 [LAMP] White LEDs  
 [BALLAST] Platformatics PoE nodes  
 [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	6571
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	16528	6980	5345
55	14193	4900	3640
65	11669	3208	2325
75	8629	1802	1305
85	4401	651	513

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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	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880
0.5	1436.265	1451.126	1444.757	1449.003	1450.065	1449.003	1444.757	1451.126	1436.265	1450.065
1.0	1435.203	1451.126	1444.757	1450.065	1451.126	1450.065	1444.757	1451.126	1435.203	1450.065
1.5	1435.203	1451.126	1444.757	1451.126	1452.188	1451.126	1444.757	1451.126	1435.203	1449.003
2.0	1434.142	1451.126	1444.757	1450.065	1453.250	1450.065	1444.757	1451.126	1434.142	1447.942
2.5	1434.142	1451.126	1444.757	1451.126	1453.250	1451.126	1444.757	1451.126	1434.142	1445.819
3.0	1433.080	1450.065	1444.757	1451.126	1453.250	1451.126	1444.757	1450.065	1433.080	1444.757
3.5	1432.019	1450.065	1443.696	1450.065	1452.188	1450.065	1443.696	1450.065	1432.019	1442.634
4.0	1429.896	1449.003	1442.634	1450.065	1452.188	1450.065	1442.634	1449.003	1429.896	1441.573
4.5	1427.773	1446.880	1442.634	1449.003	1451.126	1449.003	1442.634	1446.880	1427.773	1439.450
5.0	1426.711	1445.819	1441.573	1447.942	1449.003	1447.942	1441.573	1445.819	1426.711	1437.326
5.5	1424.588	1444.757	1439.450	1446.880	1447.942	1446.880	1439.450	1444.757	1424.588	1434.142
6.0	1422.465	1442.634	1438.388	1444.757	1445.819	1444.757	1438.388	1442.634	1422.465	1432.019
6.5	1420.342	1440.511	1436.265	1442.634	1443.696	1442.634	1436.265	1440.511	1420.342	1428.834
7.0	1417.157	1438.388	1434.142	1440.511	1440.511	1440.511	1434.142	1438.388	1417.157	1425.650
7.5	1415.034	1436.265	1432.019	1438.388	1438.388	1438.388	1432.019	1436.265	1415.034	1422.465
8.0	1411.849	1434.142	1428.834	1435.203	1434.142	1435.203	1428.834	1434.142	1411.849	1419.280
8.5	1408.665	1430.957	1426.711	1432.019	1430.957	1432.019	1426.711	1430.957	1408.665	1416.096
9.0	1405.480	1427.773	1423.526	1427.773	1426.711	1427.773	1423.526	1427.773	1405.480	1412.911
9.5	1401.234	1424.588	1420.342	1424.588	1422.465	1424.588	1420.342	1424.588	1401.234	1408.665
10.0	1398.049	1421.403	1416.096	1420.342	1418.219	1420.342	1416.096	1421.403	1398.049	1404.419
10.5	1393.803	1417.157	1412.911	1416.096	1413.973	1416.096	1412.911	1417.157	1393.803	1400.173
11.0	1389.557	1413.973	1408.665	1411.849	1408.665	1411.849	1408.665	1413.973	1389.557	1395.926
11.5	1385.311	1409.726	1403.357	1406.542	1403.357	1406.542	1403.357	1409.726	1385.311	1391.680
12.0	1381.065	1405.480	1399.111	1401.234	1396.988	1401.234	1399.111	1405.480	1381.065	1386.372
12.5	1375.757	1401.234	1393.803	1395.926	1389.557	1395.926	1393.803	1401.234	1375.757	1382.126
13.0	1371.511	1396.988	1388.496	1389.557	1383.188	1389.557	1388.496	1396.988	1371.511	1376.819
13.5	1366.203	1392.742	1383.188	1383.188	1376.819	1383.188	1383.188	1392.742	1366.203	1371.511
14.0	1360.896	1387.434	1377.880	1376.819	1369.388	1376.819	1377.880	1387.434	1360.896	1366.203
14.5	1355.588	1383.188	1371.511	1369.388	1361.957	1369.388	1371.511	1383.188	1355.588	1359.834
15.0	1350.280	1376.819	1365.142	1363.019	1354.526	1363.019	1365.142	1376.819	1350.280	1354.526
15.5	1344.972	1372.572	1359.834	1356.649	1347.095	1356.649	1359.834	1372.572	1344.972	1348.157
16.0	1338.603	1367.265	1352.403	1348.157	1339.665	1348.157	1352.403	1367.265	1338.603	1342.849
16.5	1333.295	1360.896	1346.034	1339.665	1330.111	1339.665	1346.034	1360.896	1333.295	1335.419
17.0	1326.926	1354.526	1339.665	1332.234	1322.680	1332.234	1339.665	1354.526	1326.926	1329.049
17.5	1320.557	1349.219	1332.234	1323.742	1313.126	1323.742	1332.234	1349.219	1320.557	1322.680
18.0	1314.188	1342.849	1324.803	1315.249	1304.634	1315.249	1324.803	1342.849	1314.188	1315.249
18.5	1307.818	1336.480	1317.372	1305.695	1296.142	1305.695	1317.372	1336.480	1307.818	1308.880
19.0	1301.449	1329.049	1309.942	1297.203	1286.588	1297.203	1309.942	1329.049	1301.449	1301.449
19.5	1295.080	1322.680	1301.449	1288.711	1278.095	1288.711	1301.449	1322.680	1295.080	1294.018
20.0	1287.649	1315.249	1294.018	1279.157	1267.480	1279.157	1294.018	1315.249	1287.649	1285.526
20.5	1280.218	1307.818	1285.526	1269.603	1258.988	1269.603	1285.526	1307.818	1280.218	1278.095
21.0	1272.788	1300.388	1277.034	1260.049	1248.372	1260.049	1277.034	1300.388	1272.788	1269.603
21.5	1265.357	1292.957	1268.541	1251.557	1238.818	1251.557	1268.541	1292.957	1265.357	1262.172
22.0	1257.926	1284.465	1260.049	1242.003	1229.264	1242.003	1260.049	1284.465	1257.926	1253.680
22.5	1249.434	1277.034	1251.557	1231.388	1218.649	1231.388	1251.557	1277.034	1249.434	1245.188
23.0	1242.003	1268.541	1242.003	1221.834	1206.972	1221.834	1242.003	1268.541	1242.003	1236.695
23.5	1233.511	1260.049	1232.449	1211.218	1196.357	1211.218	1232.449	1260.049	1233.511	1228.203
24.0	1225.018	1251.557	1222.895	1201.664	1185.741	1201.664	1222.895	1251.557	1225.018	1218.649
24.5	1217.587	1243.064	1213.341	1191.049	1175.126	1191.049	1213.341	1243.064	1217.587	1210.157
25.0	1208.034	1234.572	1203.787	1180.434	1164.510	1180.434	1203.787	1234.572	1208.034	1200.603
25.5	1199.541	1226.080	1194.234	1169.818	1152.833	1169.818	1194.234	1226.080	1199.541	1192.110
26.0	1191.049	1216.526	1184.680	1159.203	1142.218	1159.203	1184.680	1216.526	1191.049	1182.557
26.5	1181.495	1208.034	1174.064	1147.526	1131.603	1147.526	1174.064	1208.034	1181.495	1173.003

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**CANDELA TABULATION - (Cont.)**

27.0	1173.003	1198.480	1163.449	1136.910	1119.926	1136.910	1163.449	1198.480	1173.003	1163.449
27.5	1162.387	1188.926	1153.895	1125.233	1109.310	1125.233	1153.895	1188.926	1162.387	1153.895
28.0	1153.895	1179.372	1143.280	1113.556	1097.633	1113.556	1143.280	1179.372	1153.895	1143.280
28.5	1144.341	1168.757	1132.664	1102.941	1085.956	1102.941	1132.664	1168.757	1144.341	1133.726
29.0	1133.726	1159.203	1122.049	1091.264	1074.279	1091.264	1122.049	1159.203	1133.726	1123.110
29.5	1124.172	1148.587	1111.433	1079.587	1063.664	1079.587	1111.433	1148.587	1124.172	1112.495
30.0	1113.556	1139.033	1099.756	1067.910	1051.350	1067.910	1099.756	1139.033	1113.556	1102.941
30.5	1104.003	1128.418	1089.141	1056.658	1039.673	1056.658	1089.141	1128.418	1104.003	1092.326
31.0	1093.387	1117.803	1077.464	1044.769	1027.784	1044.769	1077.464	1117.803	1093.387	1081.710
31.5	1083.833	1107.187	1066.849	1032.455	1015.895	1032.455	1066.849	1107.187	1083.833	1071.095
32.0	1073.218	1096.572	1054.747	1020.884	1003.581	1020.884	1054.747	1096.572	1073.218	1060.267
32.5	1062.603	1085.956	1043.176	1008.995	991.692	1008.995	1043.176	1085.956	1062.603	1049.227
33.0	1052.093	1074.279	1031.393	996.469	979.802	996.469	1031.393	1074.279	1052.093	1038.293
33.5	1041.478	1063.664	1019.929	984.473	967.382	984.473	1019.929	1063.664	1041.478	1027.041
34.0	1030.969	1052.624	1008.145	972.265	954.644	972.265	1008.145	1052.624	1030.969	1015.470
34.5	1020.672	1041.372	996.469	960.376	942.436	960.376	996.469	1041.372	1020.672	1004.430
35.0	1009.632	1029.907	984.155	948.381	930.865	948.381	984.155	1029.907	1009.632	992.647
35.5	998.698	1018.655	973.008	936.491	918.233	936.491	973.008	1018.655	998.698	981.182
36.0	987.552	1007.190	961.331	923.859	906.450	923.859	961.331	1007.190	987.552	969.718
36.5	976.724	995.619	949.548	912.607	894.136	912.607	949.548	995.619	976.724	958.147
37.0	965.684	984.367	938.190	900.187	882.247	900.187	938.190	984.367	965.684	946.470
37.5	954.431	973.115	926.619	888.085	870.676	888.085	926.619	973.115	954.431	935.005
38.0	942.755	961.756	915.261	876.621	858.680	876.621	915.261	961.756	942.755	923.434
38.5	931.608	950.185	903.478	864.625	846.579	864.625	903.478	950.185	931.608	911.545
39.0	920.038	938.615	891.907	853.267	835.220	853.267	891.907	938.615	920.038	899.762
39.5	908.785	927.362	880.654	841.165	823.225	841.165	880.654	927.362	908.785	888.191
40.0	897.214	915.898	868.659	829.807	812.185	829.807	868.659	915.898	897.214	876.514
40.5	885.750	904.751	856.876	818.130	800.508	818.130	856.876	904.751	885.750	864.413
41.0	874.179	893.181	845.093	806.453	789.362	806.453	845.093	893.181	874.179	852.736
41.5	862.714	882.034	833.522	795.094	782.356	795.094	833.522	882.034	862.714	840.953
42.0	851.356	870.570	821.739	786.708	770.997	786.708	821.739	870.570	851.356	829.276
42.5	839.891	859.530	810.274	776.199	759.426	776.199	810.274	859.530	839.891	817.280
43.0	828.639	847.853	798.597	764.628	748.280	764.628	798.597	847.853	828.639	805.285
43.5	816.962	836.388	789.150	753.163	736.922	753.163	789.150	836.388	816.962	793.820
44.0	806.028	824.393	778.853	741.699	725.776	741.699	778.853	824.393	806.028	783.948
44.5	794.670	813.459	768.343	730.340	714.311	730.340	768.343	813.459	794.670	774.500
45.0	786.390	802.100	756.879	718.876	702.952	718.876	756.879	802.100	786.390	762.823
45.5	776.305	792.546	745.520	707.729	691.700	707.729	745.520	792.546	776.305	751.040
46.0	765.053	781.188	734.374	696.477	680.766	696.477	734.374	781.188	765.053	739.469
46.5	753.906	771.740	723.228	685.437	669.620	685.437	723.228	771.740	753.906	728.005
47.0	742.654	760.169	712.294	674.397	658.686	674.397	712.294	760.169	742.654	716.540
47.5	731.402	748.705	701.042	663.569	647.752	663.569	701.042	748.705	731.402	705.182
48.0	720.149	737.240	690.002	652.635	637.031	652.635	690.002	737.240	720.149	693.929
48.5	708.897	725.882	678.855	641.808	626.521	641.808	678.855	725.882	708.897	682.783
49.0	697.857	714.523	668.028	631.086	616.225	631.086	668.028	714.523	697.857	671.743
49.5	686.711	703.165	657.200	620.365	606.034	620.365	657.200	703.165	686.711	660.809
50.0	675.565	691.912	646.372	609.855	595.843	609.855	646.372	691.912	675.565	649.875
50.5	664.418	680.554	635.438	599.346	586.077	599.346	635.438	680.554	664.418	639.048
51.0	653.378	669.302	624.505	589.155	576.098	589.155	624.505	669.302	653.378	628.220
51.5	642.338	657.943	613.783	579.071	566.332	579.071	613.783	657.943	642.338	617.498
52.0	631.298	646.903	603.168	568.880	556.672	568.880	603.168	646.903	631.298	606.777
52.5	620.365	635.863	592.552	558.795	546.906	558.795	592.552	635.863	620.365	595.949
53.0	609.431	624.717	582.043	548.817	537.352	548.817	582.043	624.717	609.431	585.334
53.5	598.391	613.465	571.746	538.944	527.692	538.944	571.746	613.465	598.391	574.718
54.0	587.457	602.318	561.343	529.178	518.032	529.178	561.343	602.318	587.457	563.997
54.5	576.523	591.384	551.046	519.412	508.478	519.412	551.046	591.384	576.523	553.275

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## CANDELA TABULATION - (Cont.)

55.0	565.801	580.344	540.855	509.752	499.030	509.752	540.855	580.344	565.801	542.766
55.5	555.080	569.517	530.664	500.092	489.583	500.092	530.664	569.517	555.080	532.363
56.0	544.146	558.583	520.580	490.538	480.029	490.538	520.580	558.583	544.146	521.854
56.5	533.318	547.649	510.495	481.090	470.687	481.090	510.495	547.649	533.318	511.450
57.0	522.703	536.821	500.623	471.643	461.346	471.643	500.623	536.821	522.703	501.047
57.5	511.981	525.994	490.538	462.195	452.110	462.195	490.538	525.994	511.981	490.644
58.0	501.366	515.272	480.453	452.747	442.875	452.747	480.453	515.272	501.366	480.241
58.5	490.963	504.763	470.581	443.406	433.639	443.406	470.581	504.763	490.963	469.838
59.0	480.560	494.253	460.921	434.170	424.510	434.170	460.921	494.253	480.560	459.647
59.5	470.581	483.744	451.261	424.935	415.381	424.935	451.261	483.744	470.581	449.456
60.0	460.390	473.341	441.601	415.806	406.252	415.806	441.601	473.341	460.390	439.372
60.5	450.412	463.044	432.047	406.782	397.441	406.782	432.047	463.044	450.412	429.499
61.0	440.433	452.747	422.493	397.866	388.630	397.866	422.493	452.747	440.433	419.627
61.5	430.243	442.663	413.046	389.055	379.926	389.055	413.046	442.663	430.243	409.861
62.0	420.052	432.790	403.810	380.244	371.327	380.244	403.810	432.790	420.052	399.989
62.5	409.967	422.918	394.575	371.539	362.835	371.539	394.575	422.918	409.967	390.116
63.0	399.989	413.152	385.552	363.047	354.555	363.047	385.552	413.152	399.989	380.350
63.5	390.116	403.173	376.316	354.555	346.275	354.555	376.316	403.173	390.116	370.690
64.0	380.244	393.089	367.293	346.169	338.101	346.169	367.293	393.089	380.244	361.030
64.5	370.584	383.110	358.376	337.888	330.033	337.888	358.376	383.110	370.584	351.370
65.0	361.030	373.344	349.459	329.715	322.072	329.715	349.459	373.344	361.030	341.816
65.5	351.370	363.684	340.861	321.647	314.110	321.647	340.861	363.684	351.370	332.581
66.0	341.922	354.130	332.262	313.579	306.255	313.579	332.262	354.130	341.922	323.345
66.5	332.581	344.576	323.452	305.511	298.399	305.511	323.452	344.576	332.581	314.110
67.0	323.133	335.235	314.959	297.656	290.544	297.656	314.959	335.235	323.133	305.087
67.5	313.898	325.681	306.361	289.695	282.688	289.695	306.361	325.681	313.898	296.170
68.0	304.662	316.339	297.975	281.945	274.939	281.945	297.975	316.339	304.662	287.147
68.5	295.533	307.210	289.695	274.196	267.084	274.196	289.695	307.210	295.533	278.336
69.0	286.298	297.975	281.415	266.553	259.441	266.553	281.415	297.975	286.298	269.525
69.5	277.274	289.058	273.241	258.910	251.904	258.910	273.241	289.058	277.274	260.821
70.0	268.358	280.035	264.961	251.373	244.791	251.373	264.961	280.035	268.358	252.222
70.5	259.441	271.224	256.893	244.048	237.573	244.048	256.893	271.224	259.441	243.624
71.0	250.524	262.307	248.931	236.617	230.461	236.617	248.931	262.307	250.524	235.025
71.5	241.819	253.602	241.076	229.505	223.348	229.505	241.076	253.602	241.819	226.639
72.0	233.008	245.004	233.221	222.287	216.554	222.287	233.221	245.004	233.008	218.147
72.5	224.304	236.511	225.471	215.281	209.760	215.281	225.471	236.511	224.304	209.867
73.0	215.599	228.125	217.828	208.274	202.860	208.274	217.828	228.125	215.599	201.693
73.5	207.000	219.739	210.079	201.268	196.385	201.268	210.079	219.739	207.000	193.519
74.0	198.402	211.353	202.542	194.474	189.910	194.474	202.542	211.353	198.402	185.451
74.5	190.016	203.073	195.111	187.574	183.540	187.574	195.111	203.073	190.016	177.490
75.0	181.842	194.899	187.787	181.099	177.171	181.099	187.787	194.899	181.842	169.634
75.5	173.668	186.831	180.568	174.411	170.908	174.411	180.568	186.831	173.668	161.885
76.0	165.707	178.870	173.350	167.830	164.857	167.830	173.350	178.870	165.707	154.454
76.5	157.745	171.014	166.343	161.460	158.913	161.460	166.343	171.014	157.745	147.023
77.0	150.102	163.159	159.337	155.091	153.074	155.091	159.337	163.159	150.102	139.805
77.5	142.353	155.410	152.543	148.722	147.023	148.722	152.543	155.410	142.353	132.693
78.0	134.922	147.767	145.750	142.565	141.079	142.565	145.750	147.767	134.922	125.686
78.5	127.491	140.336	139.062	136.408	135.240	136.408	139.062	140.336	127.491	118.893
79.0	120.273	133.117	132.586	130.463	129.402	130.463	132.586	133.117	120.273	112.205
79.5	113.160	126.005	126.111	124.519	123.670	124.519	126.111	126.005	113.160	105.623
80.0	106.260	118.999	119.742	118.680	118.043	118.680	119.742	118.999	106.260	99.254
80.5	99.466	112.205	113.479	112.842	112.417	112.842	113.479	112.205	99.466	92.991
81.0	92.991	105.517	107.428	107.216	107.003	107.216	107.428	105.517	92.991	86.940
81.5	86.516	98.936	101.377	101.696	101.483	101.696	101.377	98.936	86.516	81.102
82.0	80.252	92.673	95.539	96.176	96.282	96.176	95.539	92.673	80.252	75.369
82.5	74.308	86.516	89.700	90.656	90.974	90.656	89.700	86.516	74.308	69.849

# IES INDOOR REPORT

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## CANDELA TABULATION - (Cont.)

83.0	68.363	80.677	84.074	85.348	85.879	85.348	84.074	80.677	68.363	64.648
83.5	62.631	74.839	78.554	80.146	80.783	80.146	78.554	74.839	62.631	59.446
84.0	57.005	69.212	73.140	75.051	75.794	75.051	73.140	69.212	57.005	54.563
84.5	51.697	63.586	67.939	70.062	70.911	70.062	67.939	63.586	51.697	49.680
85.0	46.495	58.279	62.737	65.179	66.134	65.179	62.737	58.279	46.495	44.903
85.5	41.506	52.971	57.748	60.402	61.357	60.402	57.748	52.971	41.506	40.232
86.0	36.623	47.769	52.759	55.731	56.792	55.731	52.759	47.769	36.623	35.774
86.5	31.952	42.780	47.982	51.060	52.334	51.060	47.982	42.780	31.952	31.422
87.0	27.388	38.003	43.311	46.602	47.875	46.602	43.311	38.003	27.388	27.175
87.5	23.035	33.226	38.746	42.143	43.523	42.143	38.746	33.226	23.035	23.035
88.0	18.789	28.662	34.288	37.791	39.277	37.791	34.288	28.662	18.789	18.895
88.5	14.543	24.097	29.829	33.545	35.243	33.545	29.829	24.097	14.543	14.437
89.0	10.297	19.426	25.477	29.299	31.209	29.299	25.477	19.426	10.297	10.085
89.5	6.688	14.437	20.700	25.265	27.282	25.265	20.700	14.437	6.688	7.537
90.0	5.838	10.509	14.225	18.152	20.275	18.152	14.225	10.509	5.838	8.280
90.5	7.112	8.917	8.917	7.537	7.325	7.537	8.917	8.917	7.112	11.677
91.0	9.660	9.872	9.342	7.749	7.325	7.749	9.342	9.872	9.660	13.482
91.5	11.995	11.677	11.252	8.917	8.386	8.917	11.252	11.677	11.995	15.498
92.0	14.012	13.375	13.482	11.571	11.252	11.571	13.482	13.375	14.012	18.365
92.5	16.454	15.180	15.180	13.800	13.588	13.800	15.180	15.180	16.454	22.186
93.0	19.320	18.152	16.560	15.498	15.180	15.498	16.560	18.152	19.320	25.902
93.5	22.717	21.868	17.940	17.091	16.666	17.091	17.940	21.868	22.717	29.829
94.0	26.539	25.371	19.639	18.683	18.046	18.683	19.639	25.371	26.539	34.182
94.5	30.785	28.874	22.292	20.063	19.426	20.063	22.292	28.874	30.785	39.277
95.0	35.349	32.802	27.494	21.974	20.912	21.974	27.494	32.802	35.349	45.434
95.5	40.126	37.366	34.182	24.840	23.035	24.840	34.182	37.366	40.126	51.803
96.0	45.222	42.992	39.914	28.555	26.326	28.555	39.914	42.992	45.222	59.022
96.5	50.742	50.529	45.434	35.031	30.360	35.031	45.434	50.529	50.742	67.089
97.0	56.474	58.703	50.636	44.585	37.366	44.585	50.636	58.703	56.474	74.096
97.5	62.525	65.603	55.943	51.591	47.875	51.591	55.943	65.603	62.525	81.208
98.0	68.788	73.034	61.463	58.066	55.306	58.066	61.463	73.034	68.788	88.745
98.5	75.157	80.571	67.408	64.011	61.994	64.011	67.408	80.571	75.157	96.388
99.0	81.739	87.683	73.671	69.849	68.257	69.849	73.671	87.683	81.739	104.456
99.5	88.533	95.008	80.359	76.006	74.414	76.006	80.359	95.008	88.533	112.736
100.0	95.539	102.545	87.471	82.588	80.677	82.588	87.471	102.545	95.539	121.228
100.5	102.545	110.082	95.114	89.169	87.365	89.169	95.114	110.082	102.545	129.933
101.0	109.657	118.043	103.500	96.069	94.159	96.069	103.500	118.043	109.657	138.850
101.5	116.876	126.217	115.496	103.182	101.165	103.182	115.496	126.217	116.876	147.873
102.0	124.306	134.497	128.446	110.400	108.383	110.400	128.446	134.497	124.306	157.108
102.5	131.843	142.990	140.017	117.937	115.602	117.937	140.017	142.990	131.843	166.556
103.0	139.380	151.482	152.225	125.686	123.457	125.686	152.225	151.482	139.380	176.322
103.5	147.023	160.080	164.008	133.966	130.994	133.966	164.008	160.080	147.023	186.513
104.0	154.667	168.679	175.367	142.459	139.168	142.459	175.367	168.679	154.667	196.491
104.5	162.416	178.339	186.725	152.331	147.554	152.331	186.725	178.339	162.416	206.576
105.0	170.165	188.954	197.659	166.237	156.259	166.237	197.659	188.954	170.165	216.448
105.5	177.914	199.782	208.274	178.445	166.131	178.445	208.274	199.782	177.914	226.957
106.0	185.770	210.610	218.465	189.910	180.356	189.910	218.465	210.610	185.770	238.210
106.5	193.519	220.376	228.125	202.330	193.200	202.330	228.125	220.376	193.519	249.038
107.0	201.480	229.505	237.679	215.493	203.816	215.493	237.679	229.505	201.480	259.228
107.5	209.442	238.316	247.127	229.399	215.068	229.399	247.127	238.316	209.442	269.101
108.0	217.404	246.808	256.256	243.517	226.639	243.517	256.256	246.808	217.404	278.867
108.5	225.259	255.301	265.173	258.061	239.165	258.061	265.173	255.301	225.259	288.527
109.0	233.114	264.324	274.833	272.073	254.027	272.073	274.833	264.324	233.114	298.081
109.5	241.076	273.453	284.493	285.236	269.631	285.236	284.493	273.453	241.076	307.635
110.0	249.038	282.476	294.259	297.444	284.918	297.444	294.259	282.476	249.038	317.188
110.5	256.893	291.499	303.919	308.590	299.673	308.590	303.919	291.499	256.893	327.061

**IES INDOOR REPORT**

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**CANDELA TABULATION - (Cont.)**

111.0	264.854	300.310	313.579	319.736	313.898	319.736	313.579	300.310	264.854	336.933
111.5	272.922	308.908	323.239	330.352	327.167	330.352	323.239	308.908	272.922	346.912
112.0	280.884	317.082	332.687	340.542	338.950	340.542	332.687	317.082	280.884	356.996
112.5	288.951	325.150	342.347	350.521	349.672	350.521	342.347	325.150	288.951	367.081
113.0	296.807	333.324	351.901	359.969	360.605	359.969	351.901	333.324	296.807	377.272
113.5	304.768	341.285	361.242	368.992	371.327	368.992	361.242	341.285	304.768	387.569
114.0	312.836	349.141	370.584	378.864	381.199	378.864	370.584	349.141	312.836	397.759
114.5	320.904	356.678	380.138	389.055	390.435	389.055	380.138	356.678	320.904	408.162
115.0	328.759	364.215	390.541	399.352	399.670	399.352	390.541	364.215	328.759	418.672
115.5	336.721	371.645	401.687	409.436	409.012	409.436	401.687	371.645	336.721	429.181
116.0	344.682	379.289	413.364	419.627	419.096	419.627	413.364	379.289	344.682	439.584
116.5	352.750	387.144	425.572	429.499	429.287	429.499	425.572	387.144	352.750	449.987
117.0	360.605	395.106	437.461	439.159	439.478	439.159	437.461	395.106	360.605	460.390
117.5	368.461	403.279	449.456	448.607	449.456	448.607	449.456	403.279	368.461	470.793
118.0	376.422	411.347	460.709	458.161	459.116	458.161	460.709	411.347	376.422	481.515
118.5	384.278	419.415	470.475	467.503	468.989	467.503	470.475	419.415	384.278	492.130
119.0	392.346	427.376	479.392	476.844	478.437	476.844	479.392	427.376	392.346	502.746
119.5	400.307	435.232	487.884	485.867	487.990	485.867	487.884	435.232	400.307	513.361
120.0	408.162	443.087	496.270	494.890	497.120	494.890	496.270	443.087	408.162	523.870
120.5	416.018	450.836	504.232	503.913	506.143	503.913	504.232	450.836	416.018	534.592
121.0	423.979	458.480	512.087	513.467	515.060	513.467	512.087	458.480	423.979	545.101
121.5	431.835	466.123	519.943	523.870	524.083	523.870	519.943	466.123	431.835	555.717
122.0	439.796	473.553	527.798	534.698	533.106	534.698	527.798	473.553	439.796	566.226
122.5	447.758	480.984	535.760	546.269	542.447	546.269	535.760	480.984	447.758	576.735
123.0	455.720	488.203	543.721	558.158	552.107	558.158	543.721	488.203	455.720	587.244
123.5	463.787	495.421	551.471	569.623	562.935	569.623	551.471	495.421	463.787	597.860
124.0	471.855	502.533	559.220	580.981	573.975	580.981	559.220	502.533	471.855	608.369
124.5	479.817	509.540	566.969	591.915	585.758	591.915	566.969	509.540	479.817	618.878
125.0	487.778	516.546	574.400	601.681	597.966	601.681	574.400	516.546	487.778	629.388
125.5	495.846	523.552	581.618	609.855	609.749	609.855	581.618	523.552	495.846	639.685
126.0	503.913	530.240	588.624	617.605	621.108	617.605	588.624	530.240	503.913	650.088
126.5	511.981	536.927	595.418	625.460	631.829	625.460	595.418	536.927	511.981	660.278
127.0	520.049	543.509	601.894	632.891	641.277	632.891	601.894	543.509	520.049	670.575
127.5	528.010	549.984	608.263	640.322	649.132	640.322	608.263	549.984	528.010	680.872
128.0	536.184	556.354	614.314	647.434	656.245	647.434	614.314	556.354	536.184	690.957
128.5	544.358	562.617	620.152	654.440	662.614	654.440	620.152	562.617	544.358	701.042
129.0	552.426	568.880	625.672	661.234	668.771	661.234	625.672	568.880	552.426	711.126
129.5	560.600	574.931	630.874	667.709	674.609	667.709	630.874	574.931	560.600	720.999
130.0	568.774	580.875	635.969	673.760	680.448	673.760	635.969	580.875	568.774	730.871
130.5	576.948	586.608	641.065	679.492	686.286	679.492	641.065	586.608	576.948	740.637
131.0	585.121	592.340	645.948	684.906	692.125	684.906	645.948	592.340	585.121	750.509
131.5	593.295	598.072	650.725	690.108	698.069	690.108	650.725	598.072	593.295	760.169
132.0	601.469	603.698	655.395	695.097	704.014	695.097	655.395	603.698	601.469	770.148
132.5	609.749	609.112	660.278	700.086	710.065	700.086	660.278	609.112	609.749	779.808
133.0	617.923	614.420	665.268	705.182	716.009	705.182	665.268	614.420	617.923	789.574
133.5	626.097	619.728	670.682	710.171	721.954	710.171	670.682	619.728	626.097	799.128
134.0	634.271	624.929	675.989	715.054	727.899	715.054	675.989	624.929	634.271	808.788
134.5	642.551	630.025	681.191	719.725	733.631	719.725	681.191	630.025	642.551	818.023
135.0	650.831	635.120	686.286	724.396	738.939	724.396	686.286	635.120	650.831	827.153
135.5	659.111	640.109	691.275	728.536	743.822	728.536	691.275	640.109	659.111	836.388
136.0	667.285	645.205	696.052	732.782	748.386	732.782	696.052	645.205	667.285	845.942
136.5	675.565	650.300	700.617	736.285	752.102	736.285	700.617	650.300	675.565	854.434
137.0	683.845	655.183	705.182	739.682	755.711	739.682	705.182	655.183	683.845	864.307
137.5	692.019	660.172	709.640	742.548	759.108	742.548	709.640	660.172	692.019	873.224
138.0	700.299	665.374	714.099	745.308	762.186	745.308	714.099	665.374	700.299	882.034
138.5	708.685	670.469	718.026	748.068	764.522	748.068	718.026	670.469	708.685	890.527

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## CANDELA TABULATION - (Cont.)

139.0	717.071	675.565	721.848	750.828	766.857	750.828	721.848	675.565	717.071	899.231
139.5	725.351	680.660	725.563	753.588	769.193	753.588	725.563	680.660	725.351	907.936
140.0	733.631	685.649	729.172	756.454	771.316	756.454	729.172	685.649	733.631	916.853
140.5	742.017	690.639	732.463	759.533	773.333	759.533	732.463	690.639	742.017	924.708
141.0	750.297	695.628	735.754	762.823	775.668	762.823	735.754	695.628	750.297	932.882
141.5	758.577	700.617	738.726	766.114	778.110	766.114	738.726	700.617	758.577	940.844
142.0	766.857	705.500	741.593	769.405	780.445	769.405	741.593	705.500	766.857	949.124
142.5	774.819	710.383	744.246	772.483	782.780	772.483	744.246	710.383	774.819	956.661
143.0	782.886	715.372	746.794	775.456	785.116	775.456	746.794	715.372	782.886	964.516
143.5	790.848	720.362	749.129	778.216	787.770	778.216	749.129	720.362	790.848	971.735
144.0	798.385	725.457	751.253	780.870	790.211	780.870	751.253	725.457	798.385	978.635
144.5	806.665	730.446	753.376	783.311	792.546	783.311	753.376	730.446	806.665	985.535
145.0	814.520	735.542	755.286	785.646	794.882	785.646	755.286	735.542	814.520	992.647
145.5	822.057	740.637	757.091	787.770	796.899	787.770	757.091	740.637	822.057	999.122
146.0	830.125	745.733	758.789	789.680	798.916	789.680	758.789	745.733	830.125	1005.810
146.5	837.556	750.828	760.488	791.591	800.614	791.591	760.488	750.828	837.556	1012.073
147.0	844.987	755.923	762.186	793.396	802.313	793.396	762.186	755.923	844.987	1018.973
147.5	852.311	761.231	763.885	794.882	803.480	794.882	763.885	761.231	852.311	1025.661
148.0	860.591	766.645	765.796	796.050	803.905	796.050	765.796	766.645	860.591	1030.969
148.5	867.597	772.165	767.919	797.111	805.816	797.111	767.919	772.165	867.597	1037.232
149.0	875.134	777.579	770.042	797.854	806.453	797.854	770.042	777.579	875.134	1043.176
149.5	882.353	783.205	772.377	799.128	806.453	799.128	772.377	783.205	882.353	1049.227
150.0	889.784	788.831	775.031	800.083	807.408	800.083	775.031	788.831	889.784	1055.490
150.5	897.214	794.563	777.897	800.720	808.257	800.720	777.897	794.563	897.214	1060.798
151.0	904.858	800.508	780.976	801.782	809.213	801.782	780.976	800.508	904.858	1065.787
151.5	911.970	806.559	784.160	802.843	809.425	802.843	784.160	806.559	911.970	1071.095
152.0	919.825	812.716	787.557	804.330	809.956	804.330	787.557	812.716	919.825	1076.403
152.5	926.938	818.979	791.166	805.179	810.274	805.179	791.166	818.979	926.938	1081.710
153.0	933.838	824.605	794.776	806.240	811.230	806.240	794.776	824.605	933.838	1087.018
153.5	940.525	831.187	798.916	807.833	812.079	807.833	798.916	831.187	940.525	1091.264
154.0	946.895	837.874	802.525	809.531	813.034	809.531	802.525	837.874	946.895	1095.510
154.5	953.476	843.925	806.877	811.442	814.520	811.442	806.877	843.925	953.476	1099.756
155.0	960.164	850.507	811.230	813.459	816.750	813.459	811.230	850.507	960.164	1105.064
155.5	966.533	857.088	815.476	815.582	818.236	815.582	815.476	857.088	966.533	1108.249
156.0	973.008	863.776	820.465	818.236	820.571	818.236	820.465	863.776	973.008	1112.495
156.5	979.696	870.464	825.030	821.208	822.694	821.208	825.030	870.464	979.696	1115.680
157.0	985.853	876.833	829.488	824.393	825.136	824.393	829.488	876.833	985.853	1118.864
157.5	991.692	883.521	834.690	828.002	828.320	828.002	834.690	883.521	991.692	1120.987
158.0	997.636	890.527	839.891	831.399	830.656	831.399	839.891	890.527	997.636	1125.233
158.5	1003.793	897.002	846.048	835.008	833.840	835.008	846.048	897.002	1003.793	1127.357
159.0	1009.101	904.327	850.931	839.042	837.768	839.042	850.931	904.327	1009.101	1130.541
159.5	1015.258	911.014	856.239	843.394	840.847	843.394	856.239	911.014	1015.258	1132.664
160.0	1020.884	917.490	862.077	847.959	844.244	847.959	862.077	917.490	1020.884	1135.849
160.5	1026.298	924.496	868.553	852.524	847.747	852.524	868.553	924.496	1026.298	1139.033
161.0	1031.606	931.715	874.497	857.619	851.993	857.619	874.497	931.715	1031.606	1141.157
161.5	1037.019	938.190	880.654	862.184	856.027	862.184	880.654	938.190	1037.019	1143.280
162.0	1042.115	944.878	887.448	867.810	860.273	867.810	887.448	944.878	1042.115	1145.403
162.5	1046.892	951.671	893.499	873.330	865.050	873.330	893.499	951.671	1046.892	1147.526
163.0	1052.306	958.359	899.974	878.319	870.145	878.319	899.974	958.359	1052.306	1149.649
163.5	1056.870	965.259	906.662	884.476	875.665	884.476	906.662	965.259	1056.870	1151.772
164.0	1061.329	972.478	913.244	890.314	881.079	890.314	913.244	972.478	1061.329	1153.895
164.5	1065.787	978.847	919.825	896.896	886.174	896.896	919.825	978.847	1065.787	1154.957
165.0	1070.033	985.747	926.407	903.053	892.650	903.053	926.407	985.747	1070.033	1157.080
165.5	1074.279	991.798	933.095	909.422	898.807	909.422	933.095	991.798	1074.279	1158.141
166.0	1079.587	998.273	940.207	915.579	905.813	915.579	940.207	998.273	1079.587	1159.203
166.5	1082.772	1005.385	946.895	922.479	912.182	922.479	946.895	1005.385	1082.772	1160.264

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES

## CANDELA TABULATION - (Cont.)

167.0	1087.018	1011.542	953.370	929.910	919.825	929.910	953.370	1011.542	1087.018	1161.326
167.5	1091.264	1018.018	960.907	936.598	926.725	936.598	960.907	1018.018	1091.264	1162.387
168.0	1095.510	1024.599	967.701	943.285	933.307	943.285	967.701	1024.599	1095.510	1162.387
168.5	1098.695	1031.075	974.282	950.928	941.905	950.928	974.282	1031.075	1098.695	1163.449
169.0	1101.880	1036.595	981.395	958.147	949.124	958.147	981.395	1036.595	1101.880	1163.449
169.5	1104.003	1042.009	988.613	964.941	957.510	964.941	988.613	1042.009	1104.003	1163.449
170.0	1108.249	1047.847	995.938	972.584	964.941	972.584	995.938	1047.847	1108.249	1163.449
170.5	1110.372	1053.792	1002.944	979.802	973.645	979.802	1002.944	1053.792	1110.372	1163.449
171.0	1113.556	1058.887	1009.738	987.658	981.713	987.658	1009.738	1058.887	1113.556	1162.387
171.5	1115.680	1064.726	1016.850	994.664	989.568	994.664	1016.850	1064.726	1115.680	1162.387
172.0	1118.864	1070.033	1023.538	1002.732	998.379	1002.732	1023.538	1070.033	1118.864	1162.387
172.5	1120.987	1075.341	1030.438	1011.012	1006.022	1011.012	1030.438	1075.341	1120.987	1161.326
173.0	1124.172	1080.649	1037.656	1018.549	1015.470	1018.549	1037.656	1080.649	1124.172	1160.264
173.5	1126.295	1084.895	1044.450	1026.510	1023.538	1026.510	1044.450	1084.895	1126.295	1160.264
174.0	1127.357	1090.203	1051.456	1035.215	1031.075	1035.215	1051.456	1090.203	1127.357	1158.141
174.5	1129.480	1095.510	1058.675	1043.495	1040.098	1043.495	1058.675	1095.510	1129.480	1157.080
175.0	1131.603	1098.695	1064.726	1050.819	1049.439	1050.819	1064.726	1098.695	1131.603	1156.018
175.5	1132.664	1104.003	1072.156	1059.524	1057.507	1059.524	1072.156	1104.003	1132.664	1153.895
176.0	1133.726	1107.187	1078.526	1067.910	1065.787	1067.910	1078.526	1107.187	1133.726	1151.772
176.5	1134.787	1111.433	1084.895	1076.403	1074.279	1076.403	1084.895	1111.433	1134.787	1151.772
177.0	1135.849	1116.741	1091.264	1083.833	1083.833	1083.833	1091.264	1116.741	1135.849	1148.587
177.5	1136.910	1118.864	1097.633	1092.326	1091.264	1092.326	1097.633	1118.864	1136.910	1146.464
178.0	1137.972	1122.049	1104.003	1099.756	1100.818	1099.756	1104.003	1122.049	1137.972	1144.341
178.5	1137.972	1126.295	1109.310	1108.249	1108.249	1108.249	1109.310	1126.295	1137.972	1142.218
179.0	1139.033	1129.480	1115.680	1114.618	1116.741	1114.618	1115.680	1129.480	1139.033	1140.095
179.5	1139.033	1131.603	1120.987	1123.110	1125.233	1123.110	1120.987	1131.603	1139.033	1137.972
180.0	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603

## 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	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880	1446.880
0.5	1443.696	1449.003	1450.065	1449.003	1443.696	1450.065	1436.265
1.0	1442.634	1447.942	1449.003	1447.942	1442.634	1450.065	1435.203
1.5	1441.573	1446.880	1449.003	1446.880	1441.573	1449.003	1435.203
2.0	1440.511	1445.819	1447.942	1445.819	1440.511	1447.942	1434.142
2.5	1439.450	1443.696	1446.880	1443.696	1439.450	1445.819	1434.142
3.0	1437.326	1442.634	1445.819	1442.634	1437.326	1444.757	1433.080
3.5	1436.265	1440.511	1443.696	1440.511	1436.265	1442.634	1432.019
4.0	1433.080	1438.388	1441.573	1438.388	1433.080	1441.573	1429.896
4.5	1430.957	1435.203	1438.388	1435.203	1430.957	1439.450	1427.773
5.0	1428.834	1433.080	1436.265	1433.080	1428.834	1437.326	1426.711
5.5	1425.650	1429.896	1433.080	1429.896	1425.650	1434.142	1424.588
6.0	1422.465	1425.650	1428.834	1425.650	1422.465	1432.019	1422.465
6.5	1419.280	1422.465	1425.650	1422.465	1419.280	1428.834	1420.342
7.0	1415.034	1418.219	1420.342	1418.219	1415.034	1425.650	1417.157
7.5	1411.849	1413.973	1416.096	1413.973	1411.849	1422.465	1415.034
8.0	1407.603	1408.665	1410.788	1408.665	1407.603	1419.280	1411.849
8.5	1403.357	1404.419	1405.480	1404.419	1403.357	1416.096	1408.665
9.0	1399.111	1399.111	1399.111	1399.111	1399.111	1412.911	1405.480
9.5	1394.865	1392.742	1392.742	1392.742	1394.865	1408.665	1401.234
10.0	1390.619	1387.434	1386.372	1387.434	1390.619	1404.419	1398.049
10.5	1385.311	1381.065	1378.942	1381.065	1385.311	1400.173	1393.803
11.0	1380.003	1374.696	1372.572	1374.696	1380.003	1395.926	1389.557
11.5	1374.696	1368.326	1365.142	1368.326	1374.696	1391.680	1385.311
12.0	1368.326	1361.957	1356.649	1361.957	1368.326	1386.372	1381.065



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES****CANDELA TABULATION - (Cont.)**

12.5	1361.957	1354.526	1349.219	1354.526	1361.957	1382.126	1375.757
13.0	1355.588	1347.095	1341.788	1347.095	1355.588	1376.819	1371.511
13.5	1349.219	1339.665	1333.295	1339.665	1349.219	1371.511	1366.203
14.0	1342.849	1332.234	1324.803	1332.234	1342.849	1366.203	1360.896
14.5	1336.480	1323.742	1316.311	1323.742	1336.480	1359.834	1355.588
15.0	1329.049	1316.311	1306.757	1316.311	1329.049	1354.526	1350.280
15.5	1321.618	1306.757	1298.265	1306.757	1321.618	1348.157	1344.972
16.0	1314.188	1299.326	1289.772	1299.326	1314.188	1342.849	1338.603
16.5	1306.757	1289.772	1280.218	1289.772	1306.757	1335.419	1333.295
17.0	1299.326	1281.280	1270.665	1281.280	1299.326	1329.049	1326.926
17.5	1289.772	1271.726	1261.111	1271.726	1289.772	1322.680	1320.557
18.0	1282.341	1263.234	1251.557	1263.234	1282.341	1315.249	1314.188
18.5	1273.849	1252.618	1240.941	1252.618	1273.849	1308.880	1307.818
19.0	1265.357	1243.064	1230.326	1243.064	1265.357	1301.449	1301.449
19.5	1256.864	1233.511	1220.772	1233.511	1256.864	1294.018	1295.080
20.0	1247.311	1222.895	1210.157	1222.895	1247.311	1285.526	1287.649
20.5	1237.757	1213.341	1199.541	1213.341	1237.757	1278.095	1280.218
21.0	1229.264	1202.726	1188.926	1202.726	1229.264	1269.603	1272.788
21.5	1219.711	1192.110	1178.310	1192.110	1219.711	1262.172	1265.357
22.0	1210.157	1182.557	1166.634	1182.557	1210.157	1253.680	1257.926
22.5	1200.603	1170.880	1154.957	1170.880	1200.603	1245.188	1249.434
23.0	1191.049	1160.264	1144.341	1160.264	1191.049	1236.695	1242.003
23.5	1181.495	1149.649	1133.726	1149.649	1181.495	1228.203	1233.511
24.0	1170.880	1139.033	1122.049	1139.033	1170.880	1218.649	1225.018
24.5	1162.387	1128.418	1111.433	1128.418	1162.387	1210.157	1217.587
25.0	1151.772	1117.803	1100.818	1117.803	1151.772	1200.603	1208.034
25.5	1142.218	1107.187	1089.141	1107.187	1142.218	1192.110	1199.541
26.0	1131.603	1096.572	1077.464	1096.572	1131.603	1182.557	1191.049
26.5	1122.049	1085.956	1066.849	1085.956	1122.049	1173.003	1181.495
27.0	1111.433	1075.341	1055.702	1075.341	1111.433	1163.449	1173.003
27.5	1101.880	1063.664	1044.556	1063.664	1101.880	1153.895	1162.387
28.0	1090.203	1053.367	1032.773	1053.367	1090.203	1143.280	1153.895
28.5	1080.649	1041.902	1022.052	1041.902	1080.649	1133.726	1144.341
29.0	1068.972	1031.075	1010.587	1031.075	1068.972	1123.110	1133.726
29.5	1058.250	1019.504	999.229	1019.504	1058.250	1112.495	1124.172
30.0	1047.316	1008.145	988.188	1008.145	1047.316	1102.941	1113.556
30.5	1036.064	996.999	976.830	996.999	1036.064	1092.326	1104.003
31.0	1024.812	985.535	965.578	985.535	1024.812	1081.710	1093.387
31.5	1013.453	973.433	954.007	973.433	1013.453	1071.095	1083.833
32.0	1002.095	961.544	942.330	961.544	1002.095	1060.267	1073.218
32.5	990.524	949.867	930.865	949.867	990.524	1049.227	1062.603
33.0	979.059	938.084	919.188	938.084	979.059	1038.293	1052.093
33.5	967.488	926.301	907.618	926.301	967.488	1027.041	1041.478
34.0	956.342	913.881	895.941	913.881	956.342	1015.470	1030.969
34.5	944.771	901.673	884.476	901.673	944.771	1004.430	1020.672
35.0	933.413	889.465	872.056	889.465	933.413	992.647	1009.632
35.5	921.948	877.576	860.060	877.576	921.948	981.182	998.698
36.0	910.484	865.050	847.110	865.050	910.484	969.718	987.552
36.5	898.701	853.691	835.539	853.691	898.701	958.147	976.724
37.0	887.024	841.165	823.543	841.165	887.024	946.470	965.684
37.5	875.028	829.276	811.017	829.276	875.028	935.005	954.431
38.0	863.245	816.962	799.340	816.962	863.245	923.434	942.755
38.5	851.568	804.967	786.496	804.967	851.568	911.545	931.608
39.0	838.936	793.502	778.428	793.502	838.936	899.762	920.038
39.5	826.728	782.886	766.220	782.886	826.728	888.191	908.785
40.0	815.051	772.908	754.013	772.908	815.051	876.514	897.214

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES**

**CANDELA TABULATION - (Cont.)**

40.5	803.374	760.806	741.911	760.806	803.374	864.413	885.750
41.0	791.273	748.811	730.022	748.811	791.273	852.736	874.179
41.5	781.082	736.816	718.345	736.816	781.082	840.953	862.714
42.0	771.422	725.139	706.880	725.139	771.422	829.276	851.356
42.5	759.745	713.674	695.522	713.674	759.745	817.280	839.891
43.0	748.280	702.422	684.588	702.422	748.280	805.285	828.639
43.5	736.816	691.382	673.760	691.382	736.816	793.820	816.962
44.0	725.457	680.448	663.038	680.448	725.457	783.948	806.028
44.5	714.205	669.620	652.635	669.620	714.205	774.500	794.670
45.0	703.165	658.792	642.551	658.792	703.165	762.823	786.390
45.5	692.125	648.283	632.254	648.283	692.125	751.040	776.305
46.0	681.297	637.774	622.169	637.774	681.297	739.469	765.053
46.5	670.575	627.265	612.085	627.265	670.575	728.005	753.906
47.0	659.748	616.861	602.212	616.861	659.748	716.540	742.654
47.5	649.132	606.458	592.234	606.458	649.132	705.182	731.402
48.0	638.305	596.161	581.937	596.161	638.305	693.929	720.149
48.5	627.689	585.864	571.958	585.864	627.689	682.783	708.897
49.0	617.286	575.674	561.874	575.674	617.286	671.743	697.857
49.5	606.671	565.589	552.001	565.589	606.671	660.809	686.711
50.0	596.161	555.611	542.023	555.611	596.161	649.875	675.565
50.5	585.758	545.632	532.257	545.632	585.758	639.048	664.418
51.0	575.461	535.760	522.384	535.760	575.461	628.220	653.378
51.5	565.164	525.994	512.406	525.994	565.164	617.498	642.338
52.0	554.974	516.334	502.746	516.334	554.974	606.777	631.298
52.5	544.889	506.780	493.192	506.780	544.889	595.949	620.365
53.0	534.698	497.438	483.744	497.438	534.698	585.334	609.431
53.5	524.826	487.990	474.084	487.990	524.826	574.718	598.391
54.0	514.847	478.543	464.636	478.543	514.847	563.997	587.457
54.5	504.869	468.989	455.083	468.989	504.869	553.275	576.523
55.0	494.997	459.647	445.741	459.647	494.997	542.766	565.801
55.5	485.124	450.306	436.506	450.306	485.124	532.363	555.080
56.0	475.252	440.964	427.270	440.964	475.252	521.854	544.146
56.5	465.486	431.729	418.247	431.729	465.486	511.450	533.318
57.0	455.720	422.706	409.330	422.706	455.720	501.047	522.703
57.5	445.953	413.576	400.519	413.576	445.953	490.644	511.981
58.0	436.293	404.341	391.602	404.341	436.293	480.241	501.366
58.5	426.739	395.424	383.110	395.424	426.739	469.838	490.963
59.0	417.292	386.613	374.299	386.613	417.292	459.647	480.560
59.5	407.950	377.802	365.701	377.802	407.950	449.456	470.581
60.0	398.609	369.098	357.527	369.098	398.609	439.372	460.390
60.5	389.373	360.499	349.141	360.499	389.373	429.499	450.412
61.0	380.244	352.007	340.967	352.007	380.244	419.627	440.433
61.5	371.115	343.621	332.899	343.621	371.115	409.861	430.243
62.0	362.198	335.341	324.938	335.341	362.198	399.989	420.052
62.5	353.387	327.273	317.082	327.273	353.387	390.116	409.967
63.0	344.470	319.312	309.333	319.312	344.470	380.350	399.989
63.5	335.659	311.350	301.690	311.350	335.659	370.690	390.116
64.0	327.061	303.495	294.047	303.495	327.061	361.030	380.244
64.5	318.462	295.639	286.510	295.639	318.462	351.370	370.584
65.0	310.076	287.890	279.079	287.890	310.076	341.816	361.030
65.5	301.690	280.247	271.436	280.247	301.690	332.581	351.370
66.0	293.410	272.604	264.111	272.604	293.410	323.345	341.922
66.5	285.236	265.067	256.787	265.067	285.236	314.110	332.581
67.0	277.062	257.742	249.568	257.742	277.062	305.087	323.133
67.5	269.101	250.311	242.137	250.311	269.101	296.170	313.898
68.0	260.821	242.774	234.707	242.774	260.821	287.147	304.662

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES**

**CANDELA TABULATION - (Cont.)**

68.5	252.859	235.450	227.170	235.450	252.859	278.336	295.533
69.0	245.110	228.231	220.057	228.231	245.110	269.525	286.298
69.5	237.254	221.119	213.157	221.119	237.254	260.821	277.274
70.0	229.611	214.113	206.151	214.113	229.611	252.222	268.358
70.5	221.862	207.000	199.357	207.000	221.862	243.624	259.441
71.0	214.219	200.100	192.245	200.100	214.219	235.025	250.524
71.5	206.576	193.413	185.133	193.413	206.576	226.639	241.819
72.0	199.039	186.831	178.551	186.831	199.039	218.147	233.008
72.5	191.820	180.356	172.182	180.356	191.820	209.867	224.304
73.0	184.708	174.093	165.919	174.093	184.708	201.693	215.599
73.5	177.702	167.830	159.762	167.830	177.702	193.519	207.000
74.0	170.696	161.673	153.711	161.673	170.696	185.451	198.402
74.5	163.902	155.622	147.873	155.622	163.902	177.490	190.016
75.0	157.214	149.677	142.565	149.677	157.214	169.634	181.842
75.5	150.633	143.839	137.788	143.839	150.633	161.885	173.668
76.0	144.263	138.106	133.542	138.106	144.263	154.454	165.707
76.5	138.106	132.374	129.190	132.374	138.106	147.023	157.745
77.0	131.950	126.642	124.094	126.642	131.950	139.805	150.102
77.5	125.793	121.016	119.105	121.016	125.793	132.693	142.353
78.0	119.636	115.390	114.222	115.390	119.636	125.686	134.922
78.5	113.691	109.976	109.233	109.976	113.691	118.893	127.491
79.0	107.853	104.668	104.031	104.668	107.853	112.205	120.273
79.5	102.014	99.466	99.042	99.466	102.014	105.623	113.160
80.0	96.282	94.265	94.053	94.265	96.282	99.254	106.260
80.5	90.656	89.169	89.169	89.169	90.656	92.991	99.466
81.0	85.242	84.180	84.393	84.180	85.242	86.940	92.991
81.5	79.828	79.297	79.616	79.297	79.828	81.102	86.516
82.0	74.626	74.520	74.945	74.520	74.626	75.369	80.252
82.5	69.637	69.743	70.380	69.743	69.637	69.849	74.308
83.0	64.648	65.179	65.922	65.179	64.648	64.648	68.363
83.5	59.765	60.720	61.569	60.720	59.765	59.446	62.631
84.0	55.094	56.262	57.217	56.262	55.094	54.563	57.005
84.5	50.529	52.016	53.077	52.016	50.529	49.680	51.697
85.0	46.071	47.769	48.937	47.769	46.071	44.903	46.495
85.5	41.719	43.735	44.903	43.735	41.719	40.232	41.506
86.0	37.472	39.702	40.975	39.702	37.472	35.774	36.623
86.5	33.332	35.774	37.154	35.774	33.332	31.422	31.952
87.0	29.405	31.952	33.439	31.952	29.405	27.175	27.388
87.5	25.477	28.237	29.829	28.237	25.477	23.035	23.035
88.0	21.443	23.460	24.946	23.460	21.443	18.895	18.789
88.5	15.392	15.074	14.968	15.074	15.392	14.437	14.543
89.0	9.448	9.023	10.615	9.023	9.448	10.085	10.297
89.5	7.218	7.218	9.872	7.218	7.218	7.537	6.688
90.0	8.280	7.537	10.297	7.537	8.280	8.280	5.838
90.5	13.269	14.118	14.862	14.118	13.269	11.677	7.112
91.0	15.392	16.560	17.303	16.560	15.392	13.482	9.660
91.5	17.197	18.577	19.108	18.577	17.197	15.498	11.995
92.0	18.895	20.488	20.806	20.488	18.895	18.365	14.012
92.5	20.594	22.186	22.399	22.186	20.594	22.186	16.454
93.0	23.142	23.991	24.097	23.991	23.142	25.902	19.320
93.5	27.069	26.220	25.902	26.220	27.069	29.829	22.717
94.0	33.863	29.299	28.874	29.299	33.863	34.182	26.539
94.5	41.719	33.120	32.483	33.120	41.719	39.277	30.785
95.0	48.088	38.852	36.729	38.852	48.088	45.434	35.349
95.5	53.926	50.105	42.674	50.105	53.926	51.803	40.126
96.0	59.871	61.994	56.368	61.994	59.871	59.022	45.222

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES****CANDELA TABULATION - (Cont.)**

96.5	66.134	69.637	70.274	69.637	66.134	67.089	50.742
97.0	72.716	76.537	78.236	76.537	72.716	74.096	56.474
97.5	79.722	83.119	85.560	83.119	79.722	81.208	62.525
98.0	87.046	89.913	92.566	89.913	87.046	88.745	68.788
98.5	94.689	97.131	99.891	97.131	94.689	96.388	75.157
99.0	102.757	104.668	107.428	104.668	102.757	104.456	81.739
99.5	111.993	112.523	115.283	112.523	111.993	112.736	88.533
100.0	121.971	120.803	123.351	120.803	121.971	121.228	95.539
100.5	131.950	129.296	131.737	129.296	131.950	129.933	102.545
101.0	145.113	138.106	140.336	138.106	145.113	138.850	109.657
101.5	158.382	147.342	149.253	147.342	158.382	147.873	116.876
102.0	172.713	156.790	158.276	156.790	172.713	157.108	124.306
102.5	187.999	166.874	167.723	166.874	187.999	166.556	131.843
103.0	203.922	178.657	177.383	178.657	203.922	176.322	139.380
103.5	218.996	191.077	187.362	191.077	218.996	186.513	147.023
104.0	233.751	203.391	200.100	203.391	233.751	196.491	154.667
104.5	247.658	214.537	215.068	214.537	247.658	206.576	162.416
105.0	261.139	225.684	224.622	225.684	261.139	216.448	170.165
105.5	274.408	238.316	234.070	238.316	274.408	226.957	177.914
106.0	287.571	251.585	245.216	251.585	287.571	238.210	185.770
106.5	300.416	266.234	257.105	266.234	300.416	249.038	193.519
107.0	313.155	282.264	269.738	282.264	313.155	259.228	201.480
107.5	325.575	300.522	282.582	300.522	325.575	269.101	209.442
108.0	337.995	320.161	296.382	320.161	337.995	278.867	217.404
108.5	350.309	340.224	311.775	340.224	350.309	288.527	225.259
109.0	362.835	361.030	328.865	361.030	362.835	298.081	233.114
109.5	375.042	381.518	347.867	381.518	375.042	307.635	241.076
110.0	387.356	401.050	368.779	401.050	387.356	317.188	249.038
110.5	399.564	419.627	391.072	419.627	399.564	327.061	256.893
111.0	411.772	437.036	413.576	437.036	411.772	336.933	264.854
111.5	424.086	453.703	435.550	453.703	424.086	346.912	272.922
112.0	436.399	469.201	456.887	469.201	436.399	356.996	280.884
112.5	448.607	483.957	477.057	483.957	448.607	367.081	288.951
113.0	460.815	498.287	496.164	498.287	460.815	377.272	296.807
113.5	473.341	512.087	513.892	512.087	473.341	387.569	304.768
114.0	486.186	525.675	530.664	525.675	486.186	397.759	312.836
114.5	499.243	539.157	546.269	539.157	499.243	408.162	320.904
115.0	512.406	552.320	561.131	552.320	512.406	418.672	328.759
115.5	525.994	565.164	575.461	565.164	525.994	429.181	336.721
116.0	540.006	578.009	589.155	578.009	540.006	439.584	344.682
116.5	554.231	590.748	602.637	590.748	554.231	449.987	352.750
117.0	568.667	603.168	615.588	603.168	568.667	460.390	360.605
117.5	582.786	615.694	628.432	615.694	582.786	470.793	368.461
118.0	596.161	628.114	641.171	628.114	596.161	481.515	376.422
118.5	608.688	640.428	653.591	640.428	608.688	492.130	384.278
119.0	620.895	652.635	665.905	652.635	620.895	502.746	392.346
119.5	632.572	664.737	677.900	664.737	632.572	513.361	400.307
120.0	643.718	677.051	689.895	677.051	643.718	523.870	408.162
120.5	654.546	689.577	701.997	689.577	654.546	534.592	416.018
121.0	664.843	702.315	713.886	702.315	664.843	545.101	423.979
121.5	675.034	715.585	725.457	715.585	675.034	555.717	431.835
122.0	684.906	729.279	737.559	729.279	684.906	566.226	439.796
122.5	694.779	743.185	749.979	743.185	694.779	576.735	447.758
123.0	704.863	757.303	762.929	757.303	704.863	587.244	455.720
123.5	714.629	771.422	776.411	771.422	714.629	597.860	463.787
124.0	724.608	785.010	790.317	785.010	724.608	608.369	471.855

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES****CANDELA TABULATION - (Cont.)**

124.5	734.692	798.066	804.011	798.066	734.692	618.878	479.817
125.0	744.989	810.487	817.599	810.487	744.989	629.388	487.778
125.5	755.499	821.420	830.762	821.420	755.499	639.685	495.846
126.0	765.902	832.567	842.439	832.567	765.902	650.088	503.913
126.5	776.305	841.590	854.222	841.590	776.305	660.278	511.981
127.0	786.496	851.462	864.519	851.462	786.496	670.575	520.049
127.5	796.793	860.804	874.710	860.804	796.793	680.872	528.010
128.0	807.090	869.721	883.521	869.721	807.090	690.957	536.184
128.5	817.493	878.425	892.119	878.425	817.493	701.042	544.358
129.0	827.577	887.979	900.824	887.979	827.577	711.126	552.426
129.5	838.193	897.108	910.802	897.108	838.193	720.999	560.600
130.0	847.959	906.131	920.781	906.131	847.959	730.871	568.774
130.5	858.044	915.048	930.865	915.048	858.044	740.637	576.948
131.0	867.491	923.859	940.525	923.859	867.491	750.509	585.121
131.5	877.257	932.458	948.805	932.458	877.257	760.169	593.295
132.0	886.493	941.693	958.147	941.693	886.493	770.148	601.469
132.5	895.622	949.761	966.321	949.761	895.622	779.808	609.749
133.0	905.070	958.359	975.025	958.359	905.070	789.574	617.923
133.5	914.411	966.958	982.032	966.958	914.411	799.128	626.097
134.0	922.691	975.662	990.205	975.662	922.691	808.788	634.271
134.5	932.139	985.004	998.167	985.004	932.139	818.023	642.551
135.0	941.056	993.708	1006.447	993.708	941.056	827.153	650.831
135.5	949.655	1001.776	1014.621	1001.776	949.655	836.388	659.111
136.0	958.359	1010.693	1023.113	1010.693	958.359	845.942	667.285
136.5	966.745	1019.292	1030.862	1019.292	966.745	854.434	675.565
137.0	975.450	1027.996	1039.567	1027.996	975.450	864.307	683.845
137.5	983.518	1037.126	1048.272	1037.126	983.518	873.224	692.019
138.0	992.753	1045.724	1056.870	1045.724	992.753	882.034	700.299
138.5	1000.927	1054.004	1065.787	1054.004	1000.927	890.527	708.685
139.0	1009.313	1061.541	1073.218	1061.541	1009.313	899.231	717.071
139.5	1017.381	1070.033	1081.710	1070.033	1017.381	907.936	725.351
140.0	1026.085	1078.526	1090.203	1078.526	1026.085	916.853	733.631
140.5	1033.622	1087.018	1098.695	1087.018	1033.622	924.708	742.017
141.0	1041.796	1095.510	1106.126	1095.510	1041.796	932.882	750.297
141.5	1049.227	1102.941	1114.618	1102.941	1049.227	940.844	758.577
142.0	1057.507	1110.372	1123.110	1110.372	1057.507	949.124	766.857
142.5	1064.726	1118.864	1129.480	1118.864	1064.726	956.661	774.819
143.0	1071.095	1126.295	1139.033	1126.295	1071.095	964.516	782.886
143.5	1078.526	1133.726	1146.464	1133.726	1078.526	971.735	790.848
144.0	1085.956	1141.157	1154.957	1141.157	1085.956	978.635	798.385
144.5	1092.326	1148.587	1162.387	1148.587	1092.326	985.535	806.665
145.0	1098.695	1156.018	1170.880	1156.018	1098.695	992.647	814.520
145.5	1105.064	1163.449	1179.372	1163.449	1105.064	999.122	822.057
146.0	1110.372	1169.818	1187.864	1169.818	1110.372	1005.810	830.125
146.5	1116.741	1176.187	1194.234	1176.187	1116.741	1012.073	837.556
147.0	1122.049	1182.557	1201.664	1182.557	1122.049	1018.973	844.987
147.5	1127.357	1187.864	1206.972	1187.864	1127.357	1025.661	852.311
148.0	1132.664	1193.172	1213.341	1193.172	1132.664	1030.969	860.591
148.5	1137.972	1198.480	1218.649	1198.480	1137.972	1037.232	867.597
149.0	1142.218	1202.726	1222.895	1202.726	1142.218	1043.176	875.134
149.5	1147.526	1206.972	1227.141	1206.972	1147.526	1049.227	882.353
150.0	1152.833	1210.157	1229.264	1210.157	1152.833	1055.490	889.784
150.5	1157.080	1214.403	1232.449	1214.403	1157.080	1060.798	897.214
151.0	1160.264	1216.526	1235.634	1216.526	1160.264	1065.787	904.858
151.5	1165.572	1219.711	1238.818	1219.711	1165.572	1071.095	911.970
152.0	1168.757	1221.834	1239.880	1221.834	1168.757	1076.403	919.825

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES**

**CANDELA TABULATION - (Cont.)**

152.5	1173.003	1223.957	1242.003	1223.957	1173.003	1081.710	926.938
153.0	1176.187	1227.141	1245.188	1227.141	1176.187	1087.018	933.838
153.5	1180.434	1230.326	1247.311	1230.326	1180.434	1091.264	940.525
154.0	1183.618	1233.511	1250.495	1233.511	1183.618	1095.510	946.895
154.5	1185.741	1235.634	1252.618	1235.634	1185.741	1099.756	953.476
155.0	1189.987	1237.757	1255.803	1237.757	1189.987	1105.064	960.164
155.5	1192.110	1240.941	1257.926	1240.941	1192.110	1108.249	966.533
156.0	1195.295	1244.126	1260.049	1244.126	1195.295	1112.495	973.008
156.5	1197.418	1246.249	1262.172	1246.249	1197.418	1115.680	979.696
157.0	1200.603	1249.434	1264.295	1249.434	1200.603	1118.864	985.853
157.5	1202.726	1251.557	1266.418	1251.557	1202.726	1120.987	991.692
158.0	1204.849	1253.680	1268.541	1253.680	1204.849	1125.233	997.636
158.5	1206.972	1255.803	1269.603	1255.803	1206.972	1127.357	1003.793
159.0	1209.095	1257.926	1271.726	1257.926	1209.095	1130.541	1009.101
159.5	1210.157	1260.049	1273.849	1260.049	1210.157	1132.664	1015.258
160.0	1211.218	1261.111	1274.911	1261.111	1211.218	1135.849	1020.884
160.5	1213.341	1262.172	1275.972	1262.172	1213.341	1139.033	1026.298
161.0	1214.403	1264.295	1278.095	1264.295	1214.403	1141.157	1031.606
161.5	1214.403	1265.357	1278.095	1265.357	1214.403	1143.280	1037.019
162.0	1215.464	1265.357	1279.157	1265.357	1215.464	1145.403	1042.115
162.5	1216.526	1265.357	1279.157	1265.357	1216.526	1147.526	1046.892
163.0	1217.587	1265.357	1280.218	1265.357	1217.587	1149.649	1052.306
163.5	1217.587	1265.357	1279.157	1265.357	1217.587	1151.772	1056.870
164.0	1216.526	1264.295	1278.095	1264.295	1216.526	1153.895	1061.329
164.5	1216.526	1263.234	1277.034	1263.234	1216.526	1154.957	1065.787
165.0	1216.526	1262.172	1275.972	1262.172	1216.526	1157.080	1070.033
165.5	1216.526	1260.049	1274.911	1260.049	1216.526	1158.141	1074.279
166.0	1215.464	1258.988	1272.788	1258.988	1215.464	1159.203	1079.587
166.5	1214.403	1256.864	1270.665	1256.864	1214.403	1160.264	1082.772
167.0	1213.341	1254.741	1268.541	1254.741	1213.341	1161.326	1087.018
167.5	1212.280	1252.618	1265.357	1252.618	1212.280	1162.387	1091.264
168.0	1211.218	1250.495	1262.172	1250.495	1211.218	1162.387	1095.510
168.5	1209.095	1247.311	1258.988	1247.311	1209.095	1163.449	1098.695
169.0	1206.972	1245.188	1255.803	1245.188	1206.972	1163.449	1101.880
169.5	1204.849	1242.003	1252.618	1242.003	1204.849	1163.449	1104.003
170.0	1202.726	1238.818	1248.372	1238.818	1202.726	1163.449	1108.249
170.5	1200.603	1235.634	1245.188	1235.634	1200.603	1163.449	1110.372
171.0	1197.418	1231.388	1242.003	1231.388	1197.418	1162.387	1113.556
171.5	1195.295	1227.141	1237.757	1227.141	1195.295	1162.387	1115.680
172.0	1192.110	1223.957	1233.511	1223.957	1192.110	1162.387	1118.864
172.5	1189.987	1218.649	1229.264	1218.649	1189.987	1161.326	1120.987
173.0	1186.803	1214.403	1225.018	1214.403	1186.803	1160.264	1124.172
173.5	1182.557	1210.157	1219.711	1210.157	1182.557	1160.264	1126.295
174.0	1179.372	1204.849	1214.403	1204.849	1179.372	1158.141	1127.357
174.5	1176.187	1199.541	1208.034	1199.541	1176.187	1157.080	1129.480
175.0	1173.003	1194.234	1202.726	1194.234	1173.003	1156.018	1131.603
175.5	1168.757	1187.864	1196.357	1187.864	1168.757	1153.895	1132.664
176.0	1164.510	1182.557	1189.987	1182.557	1164.510	1151.772	1133.726
176.5	1160.264	1177.249	1182.557	1177.249	1160.264	1151.772	1134.787
177.0	1156.018	1170.880	1176.187	1170.880	1156.018	1148.587	1135.849
177.5	1151.772	1165.572	1169.818	1165.572	1151.772	1146.464	1136.910
178.0	1147.526	1158.141	1162.387	1158.141	1147.526	1144.341	1137.972
178.5	1142.218	1150.710	1154.957	1150.710	1142.218	1142.218	1137.972
179.0	1136.910	1144.341	1147.526	1144.341	1136.910	1140.095	1139.033
179.5	1131.603	1136.910	1140.095	1136.910	1131.603	1137.972	1139.033
180.0	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603	1131.603

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	515.41	N.A.	7.80
0-30	1057.35	N.A.	16.10
0-40	1657.87	N.A.	25.20
0-60	2689.37	N.A.	40.90
0-80	3202.77	N.A.	48.70
0-90	3262.95	N.A.	49.70
10-90	3126.74	N.A.	47.60
20-40	1142.46	N.A.	17.40
20-50	1707.81	N.A.	26.00
40-70	1360.86	N.A.	20.70
60-80	513.41	N.A.	7.80
70-80	184.05	N.A.	2.80
80-90	60.18	N.A.	0.90
90-110	263.71	N.A.	4.00
90-120	689.44	N.A.	10.50
90-130	1253.79	N.A.	19.10
90-150	2436.3	N.A.	37.10
90-180	3308.54	N.A.	50.30
110-180	3044.83	N.A.	46.30
0-180	6571.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	136.21
10-20	379.20
20-30	541.94
30-40	600.52
40-50	565.35
50-60	466.15
60-70	329.36
70-80	184.05
80-90	60.18
90-100	47.69
100-110	216.02
110-120	425.73
120-130	564.35
130-140	610.28
140-150	572.24
150-160	461.97
160-170	303.58
170-180	106.69

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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



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PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.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	12.7	13.6	13.7	14.6	15.8	14.3	15.1	15.2	16.1	17.4
	3H	13.8	14.6	14.8	15.6	16.9	15.8	16.6	16.8	17.6	18.9
	4H	14.1	14.8	15.1	15.8	17.1	16.4	17.1	17.4	18.1	19.4
	6H	14.2	14.9	15.2	15.9	17.2	16.9	17.5	17.9	18.5	19.8
	8H	14.2	14.9	15.2	15.9	17.2	17.0	17.7	18.0	18.7	20.0
	12H	14.2	14.8	15.2	15.8	17.2	17.2	17.8	18.2	18.8	20.1

### UGR Viewed Endwise

4H	2H	13.1	13.8	14.1	14.8	16.1	14.5	15.2	15.5	16.2	17.5
	3H	14.4	15.0	15.3	16.0	17.3	16.1	16.7	17.1	17.8	19.1
	4H	14.7	15.3	15.7	16.3	17.6	16.8	17.4	17.8	18.4	19.7
	6H	14.9	15.4	16.0	16.5	17.8	17.4	17.8	18.4	18.9	20.2
	8H	15.0	15.4	16.0	16.4	17.8	17.6	18.0	18.6	19.0	20.4
	12H	15.0	15.4	16.0	16.4	17.8	17.7	18.1	18.8	19.2	20.5

8H	4H	14.9	15.3	15.9	16.3	17.7	16.8	17.3	17.9	18.3	19.7
	6H	15.1	15.5	16.2	16.6	17.9	17.4	17.8	18.5	18.9	20.2
	8H	15.2	15.5	16.3	16.6	18.0	17.7	18.0	18.7	19.1	20.4
	12H	15.2	15.5	16.3	16.6	18.0	17.9	18.2	19.0	19.2	20.6

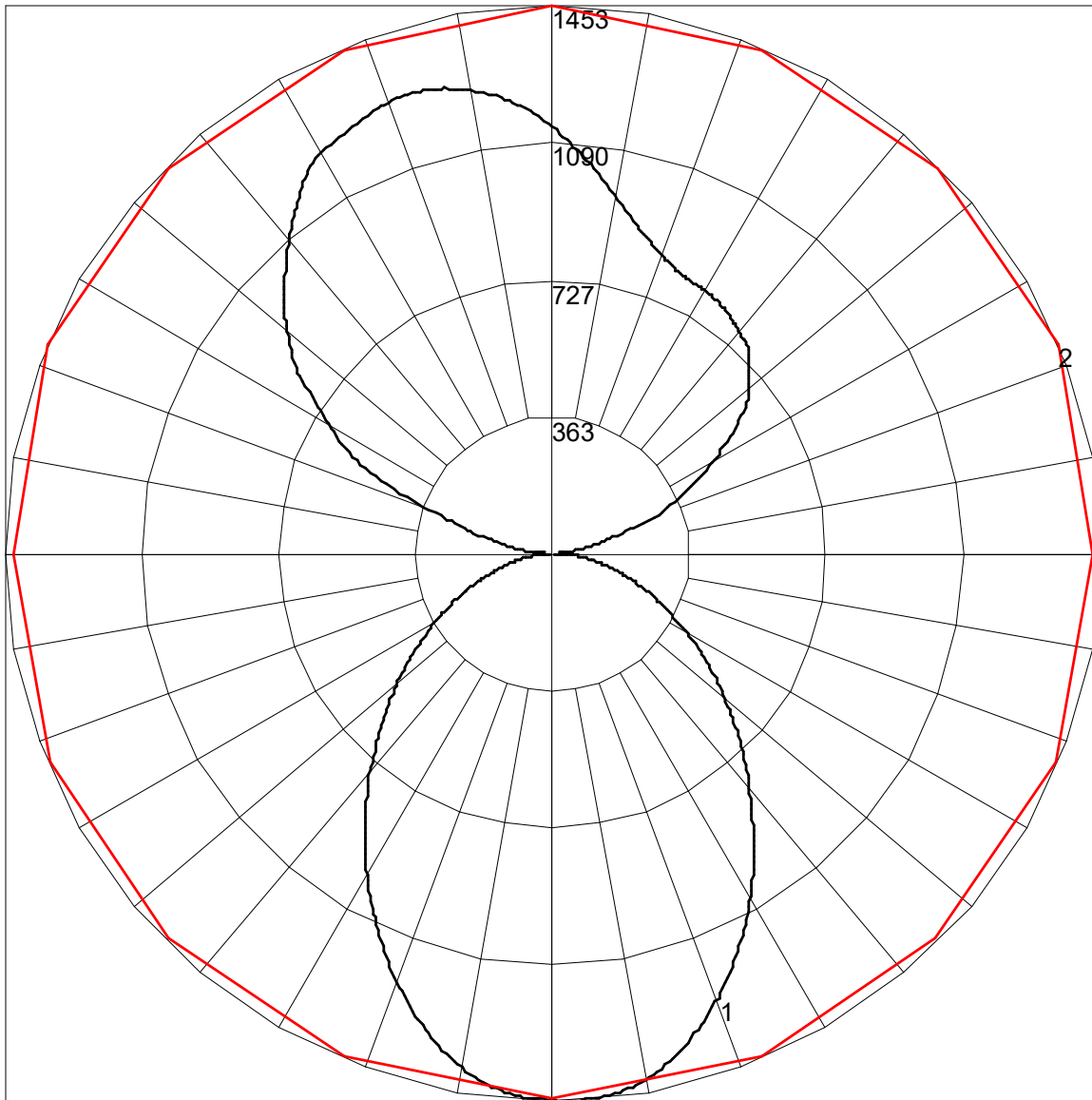
12H	4H	14.8	15.2	15.9	16.3	17.6	16.8	17.2	17.8	18.2	19.6
	6H	15.1	15.5	16.2	16.5	17.9	17.4	17.7	18.5	18.8	20.2
	8H	15.2	15.5	16.3	16.6	18.0	17.7	18.0	18.7	19.0	20.4

Maximum UGR = 20.6

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-P8-8TWU-P8-8TWD-FA-F-POE PR 4000K\_.IES

## POLAR GRAPH



Maximum Candela = 1453.25 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.)