



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.08
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 11/09/2022
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR
[LUMINAIRE] Formed White aluminum housing, lens enclosures
[LAMP] 144 White Downlight LEDs/144 White Uplight LEDs
[LAMPCAT] HLMX 80 CRI 3500K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	13104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	100.8
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)	8.00 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	16573	6482	4835
55	14306	4515	3249
65	12133	2918	2044
75	9322	1563	1092
85	5133	484	359

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2797.806	2797.806	2797.806	2797.806	2797.806
0.5	2789.436	2814.547	2791.529	2793.621	2793.621
1.0	2789.436	2812.455	2791.529	2793.621	2793.621
1.5	2789.436	2812.455	2791.529	2793.621	2795.714
2.0	2787.343	2812.455	2789.436	2793.621	2795.714
2.5	2787.343	2810.362	2789.436	2795.714	2795.714
3.0	2785.251	2808.269	2787.343	2793.621	2793.621
3.5	2783.158	2806.177	2785.251	2793.621	2793.621
4.0	2778.973	2804.084	2783.158	2791.529	2791.529
4.5	2776.880	2801.992	2781.066	2789.436	2789.436
5.0	2774.788	2797.806	2776.880	2787.343	2785.251
5.5	2770.603	2795.714	2774.788	2783.158	2781.066
6.0	2766.417	2791.529	2770.603	2778.973	2776.880
6.5	2762.232	2787.343	2766.417	2772.695	2772.695
7.0	2758.047	2783.158	2762.232	2766.417	2766.417
7.5	2751.769	2778.973	2755.954	2760.140	2758.047
8.0	2747.584	2772.695	2751.769	2751.769	2749.677
8.5	2741.306	2766.417	2745.491	2743.399	2741.306
9.0	2735.028	2762.232	2739.214	2735.028	2732.936
9.5	2728.751	2755.954	2732.936	2726.658	2722.473
10.0	2722.473	2749.677	2724.565	2716.195	2709.917
10.5	2716.195	2743.399	2718.288	2707.825	2697.362
11.0	2709.917	2735.028	2707.825	2697.362	2686.899
11.5	2701.547	2726.658	2699.454	2684.806	2674.343
12.0	2693.176	2720.380	2688.991	2674.343	2659.695
12.5	2684.806	2712.010	2678.528	2661.787	2647.139
13.0	2676.436	2703.639	2668.065	2649.232	2632.491
13.5	2668.065	2693.176	2657.602	2636.676	2617.843
14.0	2657.602	2684.806	2645.047	2624.121	2605.287
14.5	2649.232	2674.343	2632.491	2609.472	2590.639
15.0	2638.769	2663.880	2619.935	2594.824	2573.898
15.5	2626.213	2653.417	2607.380	2580.176	2559.250
16.0	2615.750	2642.954	2594.824	2565.528	2542.509
16.5	2605.287	2630.398	2580.176	2548.787	2525.768
17.0	2594.824	2617.843	2565.528	2534.139	2511.120
17.5	2582.269	2607.380	2550.880	2517.398	2494.379
18.0	2569.713	2592.732	2536.231	2500.657	2477.639
18.5	2559.250	2580.176	2521.583	2486.009	2460.898
19.0	2546.694	2567.620	2504.842	2467.176	2442.064
19.5	2534.139	2552.972	2488.102	2450.435	2425.324
20.0	2519.491	2538.324	2471.361	2433.694	2406.490
20.5	2506.935	2525.768	2454.620	2414.861	2385.564
21.0	2494.379	2509.028	2437.879	2393.935	2368.823
21.5	2479.731	2494.379	2421.138	2375.101	2345.805
22.0	2465.083	2479.731	2404.398	2356.268	2326.971
22.5	2450.435	2462.990	2385.564	2335.342	2308.138
23.0	2435.787	2448.342	2368.823	2314.416	2285.119
23.5	2421.138	2431.601	2349.990	2293.490	2264.193
24.0	2404.398	2414.861	2331.157	2272.564	2241.175
24.5	2389.749	2398.120	2314.416	2251.638	2220.249
25.0	2370.916	2381.379	2293.490	2228.619	2197.230
25.5	2354.175	2364.638	2274.656	2207.693	2176.304
26.0	2337.434	2345.805	2255.823	2186.767	2155.378
26.5	2318.601	2326.971	2234.897	2165.841	2132.360

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES****CANDELA TABULATION - (Cont.)**

27.0	2301.860	2308.138	2216.064	2142.823	2109.341
27.5	2283.027	2289.305	2195.138	2121.897	2087.996
28.0	2262.101	2270.471	2176.304	2098.878	2065.815
28.5	2243.267	2251.638	2153.286	2077.743	2044.470
29.0	2222.341	2230.712	2132.360	2055.980	2023.335
29.5	2203.508	2211.878	2111.434	2034.217	2000.735
30.0	2182.582	2190.952	2089.252	2013.081	1977.926
30.5	2163.749	2167.934	2067.280	1990.900	1957.000
31.0	2142.823	2149.100	2044.889	1968.509	1933.353
31.5	2119.804	2126.082	2021.870	1945.909	1910.753
32.0	2100.971	2103.063	1999.061	1922.681	1887.944
32.5	2078.161	2081.091	1975.833	1898.198	1865.344
33.0	2057.863	2057.654	1951.977	1874.551	1840.860
33.5	2035.891	2035.472	1928.540	1850.905	1817.005
34.0	2013.709	2012.035	1904.685	1826.840	1794.614
34.5	1992.155	1987.970	1880.620	1802.147	1770.967
35.0	1970.602	1964.533	1857.183	1777.455	1745.647
35.5	1949.048	1939.840	1833.327	1752.553	1719.908
36.0	1927.285	1916.612	1808.425	1728.278	1695.215
36.5	1905.103	1892.548	1784.569	1702.958	1669.895
37.0	1882.712	1869.110	1760.086	1678.056	1642.482
37.5	1858.857	1845.255	1736.230	1652.736	1615.697
38.0	1836.466	1821.399	1711.538	1626.997	1589.121
38.5	1812.819	1797.125	1687.682	1601.048	1563.382
39.0	1789.173	1773.479	1662.571	1576.146	1541.618
39.5	1765.108	1750.251	1638.297	1554.802	1517.972
40.0	1741.462	1727.441	1613.604	1530.528	1492.442
40.5	1717.188	1703.376	1589.330	1507.300	1467.331
41.0	1693.960	1679.730	1567.357	1482.189	1443.266
41.5	1670.523	1656.712	1547.478	1457.496	1419.829
42.0	1646.458	1632.856	1523.831	1433.850	1397.020
42.5	1622.602	1609.628	1501.650	1410.831	1375.048
43.0	1599.374	1586.400	1478.213	1388.440	1353.494
43.5	1577.193	1565.265	1455.403	1366.677	1332.568
44.0	1555.848	1546.222	1433.013	1345.542	1312.060
44.5	1539.526	1523.413	1410.831	1324.825	1291.971
45.0	1516.507	1501.022	1389.068	1304.527	1271.673
45.5	1493.907	1478.840	1367.723	1284.438	1251.793
46.0	1471.726	1456.031	1346.797	1264.768	1231.914
46.5	1449.335	1433.222	1325.871	1244.888	1212.243
47.0	1427.363	1410.622	1305.364	1225.217	1192.364
47.5	1404.972	1388.022	1284.647	1205.547	1172.693
48.0	1382.999	1365.840	1264.140	1185.667	1153.023
48.5	1361.027	1343.659	1243.423	1165.997	1133.561
49.0	1339.055	1321.686	1222.916	1145.908	1114.310
49.5	1317.292	1299.714	1202.199	1126.447	1095.058
50.0	1295.738	1277.951	1181.691	1106.985	1076.015
50.5	1273.975	1256.188	1160.975	1087.524	1057.391
51.0	1252.212	1234.634	1140.258	1068.272	1038.767
51.5	1230.658	1213.080	1119.750	1049.020	1020.143
52.0	1208.895	1191.527	1099.661	1029.978	1001.518
52.5	1187.132	1170.391	1079.572	1011.144	983.104
53.0	1165.369	1149.047	1059.902	992.311	964.898
53.5	1143.815	1127.911	1040.441	973.478	946.065
54.0	1122.471	1107.195	1021.189	955.063	927.650
54.5	1101.126	1086.269	1002.146	936.229	909.235

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES****CANDELA TABULATION - (Cont.)**

55.0	1079.991	1065.761	983.104	917.605	890.820
55.5	1058.856	1045.463	964.270	899.400	872.614
56.0	1037.930	1025.165	945.437	880.985	854.199
56.5	1017.213	1005.285	926.603	863.198	836.412
57.0	996.705	985.196	907.770	845.201	818.834
57.5	976.407	965.107	888.937	827.623	801.675
58.0	956.528	945.018	870.312	810.046	784.516
58.5	936.648	925.139	851.688	792.886	767.984
59.0	917.605	905.677	833.483	775.727	751.243
59.5	898.772	886.425	815.068	758.777	734.921
60.0	879.938	867.173	797.071	742.036	718.808
60.5	861.314	848.131	779.284	725.504	702.695
61.0	842.481	829.088	761.706	709.182	686.791
61.5	823.647	810.464	744.129	693.069	671.097
62.0	804.605	791.840	726.760	676.956	655.821
62.5	785.771	773.425	709.601	661.052	640.545
63.0	767.147	755.219	692.860	645.567	625.478
63.5	748.732	737.014	675.910	630.082	610.411
64.0	730.317	718.599	659.169	614.597	595.554
64.5	711.903	700.393	642.637	599.321	580.697
65.0	693.906	682.397	626.106	584.254	566.258
65.5	675.701	664.401	609.784	569.187	551.819
66.0	657.704	646.613	593.671	554.330	537.380
66.5	639.499	628.826	577.348	539.263	522.941
67.0	621.293	611.458	561.235	523.987	508.293
67.5	603.297	593.880	545.332	509.130	493.854
68.0	585.510	576.302	529.428	494.272	479.624
68.5	567.722	558.933	513.315	479.624	465.394
69.0	550.145	541.356	497.620	464.976	451.165
69.5	532.567	524.196	481.717	450.328	437.353
70.0	514.780	507.037	466.231	435.889	423.333
70.5	497.202	490.087	450.746	421.659	409.731
71.0	479.833	472.928	435.261	407.639	396.338
71.5	462.465	455.978	420.194	393.618	383.364
72.0	445.515	439.028	405.755	380.016	370.599
72.5	428.565	422.496	391.107	366.833	357.835
73.0	411.824	406.174	376.459	353.649	345.279
73.5	395.083	390.061	362.020	340.675	332.933
74.0	378.761	373.948	347.790	327.910	320.586
74.5	362.438	358.253	333.979	315.355	308.449
75.0	346.325	342.768	320.168	303.008	296.312
75.5	330.631	327.283	306.566	290.871	284.594
76.0	314.936	312.216	293.173	278.944	273.084
76.5	299.660	297.358	279.990	267.016	261.784
77.0	284.594	282.710	267.016	255.297	250.275
77.5	269.527	268.271	254.251	243.997	239.184
78.0	254.879	254.042	241.905	232.488	227.884
78.5	240.440	240.230	229.558	221.397	217.003
79.0	226.419	226.629	217.840	210.306	206.540
79.5	212.608	213.236	206.121	199.634	196.077
80.0	199.006	200.262	194.821	188.962	185.823
80.5	185.614	187.706	183.521	178.499	175.778
81.0	172.849	175.360	172.430	168.454	165.943
81.5	160.502	163.432	161.549	158.410	156.317
82.0	148.156	151.714	150.876	148.365	146.691
82.5	136.228	139.995	140.623	138.739	137.484

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES****CANDELA TABULATION - (Cont.)**

83.0	124.719	128.904	130.160	129.323	128.067
83.5	113.419	118.023	120.115	119.906	119.069
84.0	102.537	107.769	110.489	110.699	110.280
84.5	92.074	97.724	100.863	101.700	101.282
85.0	82.030	87.889	91.447	92.911	92.493
85.5	72.404	78.473	82.448	84.332	84.123
86.0	62.987	69.056	73.660	75.752	75.752
86.5	53.989	60.267	65.080	67.591	67.591
87.0	45.200	51.478	56.709	59.639	59.639
87.5	36.621	43.108	48.339	51.687	51.687
88.0	28.250	34.946	40.387	43.945	44.154
88.5	19.880	26.995	32.435	36.830	37.039
89.0	11.509	18.206	24.065	28.459	27.413
89.5	5.650	10.882	15.276	17.996	16.950
90.0	5.022	7.952	9.835	10.463	8.580
90.5	5.650	11.719	15.904	16.950	16.741
91.0	11.509	14.439	18.415	21.972	22.182
91.5	20.089	19.252	21.135	23.646	23.856
92.0	29.924	25.948	25.111	26.995	26.995
92.5	39.969	33.272	29.296	30.761	30.761
93.0	50.013	41.433	34.109	34.737	34.528
93.5	60.267	49.595	40.178	38.922	38.713
94.0	70.521	57.756	47.084	43.317	42.898
94.5	80.774	66.335	54.617	48.130	47.293
95.0	91.028	75.334	62.778	53.780	51.896
95.5	101.073	84.750	71.148	60.058	57.337
96.0	111.326	94.586	79.310	66.963	63.406
96.5	121.371	104.630	87.261	74.497	69.893
97.0	131.625	114.884	94.795	82.448	77.426
97.5	141.878	124.928	102.328	90.610	85.169
98.0	152.132	135.182	110.071	98.561	93.121
98.5	162.386	145.226	117.604	106.304	101.073
99.0	172.640	155.480	125.137	113.837	108.815
99.5	182.893	165.734	133.089	121.371	116.558
100.0	193.147	175.988	141.041	128.695	123.882
100.5	203.610	186.451	149.202	136.228	131.415
101.0	213.864	196.914	157.573	143.762	138.949
101.5	224.536	207.377	165.943	151.504	146.482
102.0	235.208	218.049	174.941	159.038	154.225
102.5	246.299	228.930	183.940	166.780	161.967
103.0	257.390	240.021	192.938	174.732	169.501
103.5	268.899	251.321	202.354	182.893	177.452
104.0	280.618	262.831	212.190	191.054	185.614
104.5	292.127	274.549	222.025	199.634	193.984
105.0	303.846	286.477	232.279	208.214	202.564
105.5	315.773	298.614	242.742	217.003	211.143
106.0	328.120	310.960	253.623	226.001	220.142
106.5	340.885	323.725	264.923	235.418	229.140
107.0	354.068	336.909	276.642	244.834	238.556
107.5	367.461	350.301	288.779	254.669	247.973
108.0	381.481	364.112	301.125	264.923	257.808
108.5	395.920	378.342	314.099	275.595	267.853
109.0	410.777	392.990	327.283	286.477	278.316
109.5	425.844	407.848	341.094	297.777	289.197
110.0	441.748	423.333	355.323	309.496	300.288
110.5	457.861	439.446	370.181	321.842	311.797

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES****CANDELA TABULATION - (Cont.)**

111.0	474.811	455.768	385.666	334.607	323.725
111.5	491.970	472.718	401.779	348.209	336.281
112.0	510.176	490.505	418.520	362.229	349.673
112.5	528.800	508.711	435.889	377.087	363.275
113.0	548.052	527.754	454.094	392.363	377.714
113.5	567.932	547.215	472.928	408.266	392.363
114.0	588.648	567.304	492.389	425.007	408.266
114.5	609.784	588.021	512.687	442.585	424.589
115.0	631.756	609.574	533.613	460.791	441.957
115.5	654.356	631.756	555.585	479.833	459.744
116.0	677.375	654.565	578.185	499.922	478.578
116.5	701.230	678.212	601.623	521.057	498.039
117.0	726.132	702.067	625.897	542.820	518.756
117.5	751.662	726.969	650.799	565.630	540.309
118.0	778.029	752.290	676.538	589.276	562.491
118.5	805.023	778.656	703.114	613.550	585.510
119.0	832.646	805.651	730.108	638.662	609.574
119.5	860.686	833.273	758.149	665.028	634.476
120.0	888.937	861.733	787.027	692.023	660.215
120.5	918.024	890.820	816.533	720.064	686.791
121.0	947.739	920.744	846.875	749.151	714.414
121.5	978.291	951.296	877.846	779.284	743.292
122.0	1009.470	982.685	909.653	810.046	773.006
122.5	1041.487	1014.283	942.089	842.062	803.977
123.0	1074.132	1046.509	974.942	874.707	835.575
123.5	1107.195	1079.154	1008.424	907.979	868.011
124.0	1140.467	1112.426	1042.324	942.089	901.283
124.5	1174.367	1145.699	1076.643	977.244	935.602
125.0	1208.267	1179.599	1111.589	1013.028	971.176
125.5	1241.958	1213.708	1146.745	1049.648	1007.168
126.0	1275.440	1248.027	1182.110	1086.687	1043.580
126.5	1309.131	1282.345	1217.475	1124.354	1080.828
127.0	1343.449	1317.083	1253.467	1162.439	1119.123
127.5	1377.977	1351.820	1289.251	1200.943	1157.626
128.0	1412.296	1386.975	1325.034	1239.447	1196.549
128.5	1446.405	1421.713	1360.609	1277.951	1235.471
129.0	1479.678	1456.240	1395.764	1316.664	1274.603
129.5	1513.368	1490.559	1430.920	1355.168	1314.362
130.0	1542.665	1523.622	1465.657	1393.881	1354.540
130.5	1570.287	1552.081	1499.976	1432.176	1394.299
131.0	1602.095	1583.889	1530.528	1470.052	1434.268
131.5	1634.111	1615.278	1562.126	1505.835	1474.028
132.0	1665.500	1647.504	1591.213	1540.781	1509.392
132.5	1696.889	1679.102	1623.648	1576.356	1548.315
133.0	1727.860	1709.864	1655.874	1607.535	1586.609
133.5	1757.784	1741.043	1687.473	1641.645	1619.463
134.0	1786.871	1770.758	1718.862	1675.336	1656.502
134.5	1815.749	1800.473	1749.204	1708.399	1692.495
135.0	1842.744	1828.723	1779.547	1740.834	1727.232
135.5	1870.157	1856.764	1809.262	1772.014	1760.504
136.0	1896.733	1884.177	1838.140	1803.194	1793.358
136.5	1921.635	1911.172	1866.599	1832.908	1825.584
137.0	1946.327	1936.701	1895.268	1863.042	1856.555
137.5	1970.392	1962.650	1921.216	1891.920	1886.898
138.0	1994.457	1987.342	1948.211	1919.961	1915.775
138.5	2018.104	2012.035	1973.531	1946.955	1943.188

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES

CANDELA TABULATION - (Cont.)

139.0	2039.657	2035.891	1998.015	1973.740	1971.020
139.5	2061.420	2059.328	2022.498	1999.061	1996.968
140.0	2082.974	2080.882	2045.517	2025.009	2022.707
140.5	2103.063	2103.063	2068.326	2049.074	2046.981
141.0	2123.989	2123.989	2091.554	2072.930	2070.628
141.5	2142.823	2144.915	2113.526	2096.785	2094.693
142.0	2161.656	2165.841	2136.545	2117.711	2117.711
142.5	2180.489	2184.675	2155.378	2140.730	2138.637
143.0	2199.323	2203.508	2176.304	2161.656	2161.656
143.5	2216.064	2222.341	2197.230	2182.582	2182.582
144.0	2232.804	2239.082	2216.064	2203.508	2203.508
144.5	2249.545	2257.916	2232.804	2224.434	2224.434
145.0	2266.286	2274.656	2251.638	2243.267	2245.360
145.5	2283.027	2291.397	2268.379	2262.101	2266.286
146.0	2297.675	2308.138	2285.119	2280.934	2285.119
146.5	2314.416	2322.786	2301.860	2299.768	2306.045
147.0	2329.064	2337.434	2318.601	2316.508	2322.786
147.5	2341.620	2354.175	2333.249	2333.249	2341.620
148.0	2358.360	2368.823	2349.990	2349.990	2358.360
148.5	2373.009	2383.472	2364.638	2364.638	2375.101
149.0	2387.657	2398.120	2379.286	2379.286	2389.749
149.5	2400.212	2412.768	2393.935	2393.935	2404.398
150.0	2414.861	2425.324	2408.583	2406.490	2416.953
150.5	2427.416	2439.972	2423.231	2419.046	2429.509
151.0	2439.972	2452.527	2437.879	2433.694	2442.064
151.5	2454.620	2467.176	2450.435	2446.250	2452.527
152.0	2467.176	2479.731	2465.083	2458.805	2462.990
152.5	2479.731	2492.287	2479.731	2471.361	2475.546
153.0	2492.287	2504.842	2492.287	2483.916	2486.009
153.5	2504.842	2515.305	2504.842	2496.472	2496.472
154.0	2515.305	2527.861	2517.398	2509.028	2506.935
154.5	2527.861	2540.417	2529.954	2521.583	2519.491
155.0	2538.324	2550.880	2542.509	2534.139	2529.954
155.5	2548.787	2561.343	2555.065	2546.694	2542.509
156.0	2559.250	2571.806	2565.528	2559.250	2555.065
156.5	2569.713	2582.269	2578.083	2571.806	2567.620
157.0	2578.083	2592.732	2588.546	2584.361	2578.083
157.5	2588.546	2603.195	2599.009	2596.917	2590.639
158.0	2599.009	2613.658	2609.472	2607.380	2603.195
158.5	2609.472	2622.028	2619.935	2619.935	2613.658
159.0	2617.843	2632.491	2628.306	2630.398	2624.121
159.5	2626.213	2640.861	2638.769	2642.954	2636.676
160.0	2634.584	2649.232	2649.232	2653.417	2647.139
160.5	2642.954	2657.602	2657.602	2661.787	2657.602
161.0	2651.324	2665.973	2665.973	2672.250	2668.065
161.5	2659.695	2674.343	2674.343	2680.621	2676.436
162.0	2668.065	2682.713	2682.713	2688.991	2686.899
162.5	2676.436	2691.084	2691.084	2697.362	2695.269
163.0	2684.806	2697.362	2699.454	2705.732	2703.639
163.5	2693.176	2705.732	2705.732	2712.010	2709.917
164.0	2701.547	2714.102	2714.102	2718.288	2718.288
164.5	2707.825	2722.473	2720.380	2724.565	2724.565
165.0	2716.195	2728.751	2726.658	2730.843	2730.843
165.5	2722.473	2735.028	2730.843	2737.121	2737.121
166.0	2730.843	2743.399	2737.121	2741.306	2743.399
166.5	2737.121	2749.677	2741.306	2747.584	2747.584

CANDELA TABULATION - (Cont.)

167.0	2743.399	2755.954	2747.584	2753.862	2755.954
167.5	2749.677	2762.232	2751.769	2758.047	2760.140
168.0	2755.954	2766.417	2758.047	2764.325	2764.325
168.5	2762.232	2772.695	2762.232	2768.510	2770.603
169.0	2766.417	2776.880	2766.417	2774.788	2776.880
169.5	2772.695	2783.158	2770.603	2778.973	2781.066
170.0	2776.880	2787.343	2774.788	2783.158	2787.343
170.5	2783.158	2791.529	2778.973	2787.343	2791.529
171.0	2787.343	2795.714	2781.066	2791.529	2795.714
171.5	2789.436	2797.806	2785.251	2795.714	2801.992
172.0	2795.714	2801.992	2789.436	2799.899	2806.177
172.5	2797.806	2806.177	2791.529	2804.084	2810.362
173.0	2801.992	2808.269	2795.714	2806.177	2814.547
173.5	2806.177	2812.455	2797.806	2808.269	2818.732
174.0	2808.269	2814.547	2799.899	2812.455	2820.825
174.5	2812.455	2816.640	2804.084	2814.547	2822.918
175.0	2814.547	2818.732	2806.177	2816.640	2825.010
175.5	2816.640	2820.825	2806.177	2818.732	2827.103
176.0	2820.825	2822.918	2810.362	2820.825	2829.195
176.5	2822.918	2825.010	2810.362	2820.825	2829.195
177.0	2822.918	2825.010	2812.455	2822.918	2829.195
177.5	2825.010	2827.103	2814.547	2822.918	2829.195
178.0	2827.103	2829.195	2814.547	2822.918	2831.288
178.5	2829.195	2829.195	2816.640	2825.010	2829.195
179.0	2829.195	2829.195	2816.640	2825.010	2829.195
179.5	2829.195	2829.195	2818.732	2825.010	2829.195
180.0	2825.010	2825.010	2825.010	2825.010	2825.010

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1001.42	N.A.	7.60
0-30	2057.39	N.A.	15.70
0-40	3220.82	N.A.	24.60
0-60	5184.62	N.A.	39.60
0-80	6152.8	N.A.	47.00
0-90	6254.8	N.A.	47.70
10-90	5990.76	N.A.	45.70
20-40	2219.4	N.A.	16.90
20-50	3298.36	N.A.	25.20
40-70	2589.16	N.A.	19.80
60-80	968.18	N.A.	7.40
70-80	342.83	N.A.	2.60
80-90	101.99	N.A.	0.80
90-110	340.20	N.A.	2.60
90-120	881.01	N.A.	6.70
90-130	1866.47	N.A.	14.20
90-150	4640.97	N.A.	35.40
90-180	6849.66	N.A.	52.30
110-180	6509.46	N.A.	49.70
0-180	13104.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	264.04
10-20	737.38
20-30	1055.97
30-40	1163.43
40-50	1078.96
50-60	884.84
60-70	625.36
70-80	342.83
80-90	101.99
90-100	77.34
100-110	262.85
110-120	540.81
120-130	985.46
130-140	1366.68
140-150	1407.82
150-160	1171.18
160-170	769.85
170-180	267.66

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	53	47	50	45	41	42	38	35	34	32	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	15
10	47	36	28	24	44	33	27	22	29	24	20	25	20	18	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-P8-835U-P8-835D-F-F-POE PR_.IES

UGR TABLE - CORRECTED

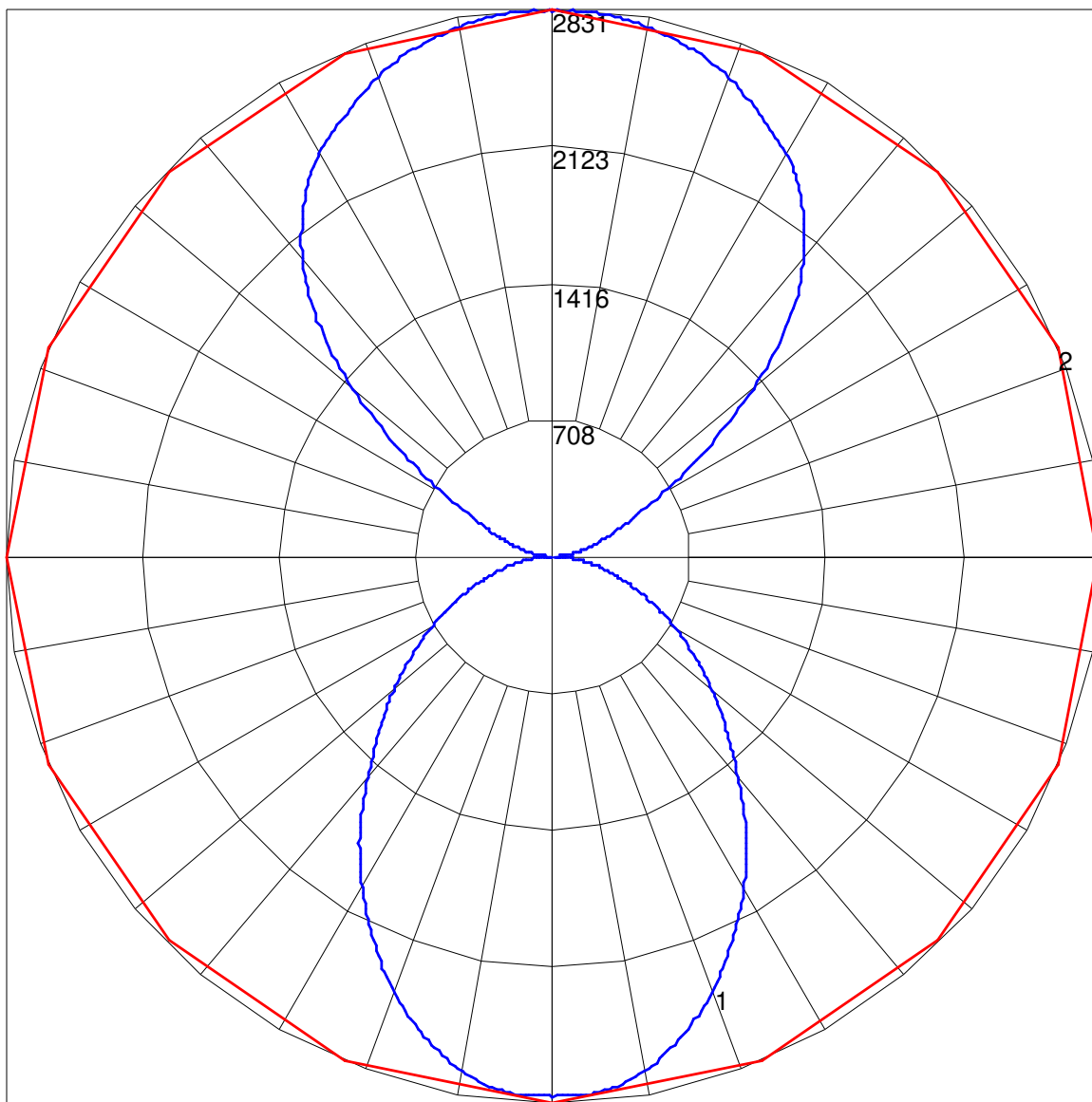
Reflectances

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	12.4	13.2	13.3	14.2	15.5	13.6	14.4	14.5	15.4	16.7
	3H	13.5	14.2	14.5	15.2	16.5	15.1	15.8	16.1	16.8	18.1
	4H	13.7	14.4	14.7	15.4	16.8	15.6	16.3	16.6	17.3	18.7
	6H	13.9	14.5	14.9	15.5	16.9	16.0	16.7	17.0	17.7	19.0
	8H	13.9	14.5	14.9	15.5	16.8	16.1	16.8	17.2	17.8	19.1
	12H	13.8	14.4	14.9	15.4	16.8	16.2	16.8	17.3	17.8	19.2
4H	2H	12.7	13.4	13.7	14.4	15.8	13.7	14.4	14.8	15.5	16.8
	3H	14.0	14.6	15.0	15.6	16.9	15.4	16.0	16.4	17.0	18.3
	4H	14.4	14.9	15.4	15.9	17.3	16.0	16.5	17.0	17.5	18.9
	6H	14.6	15.0	15.6	16.1	17.4	16.5	16.9	17.5	18.0	19.3
	8H	14.6	15.0	15.6	16.1	17.4	16.6	17.1	17.7	18.1	19.5
	12H	14.6	15.0	15.6	16.0	17.4	16.7	17.1	17.8	18.2	19.6
8H	4H	14.5	14.9	15.5	15.9	17.3	16.0	16.4	17.0	17.5	18.8
	6H	14.7	15.1	15.8	16.2	17.6	16.5	16.9	17.6	18.0	19.3
	8H	14.8	15.1	15.9	16.2	17.6	16.7	17.0	17.8	18.1	19.5
	12H	14.8	15.1	15.9	16.1	17.6	16.9	17.1	17.9	18.2	19.6
12H	4H	14.5	14.8	15.5	15.9	17.3	16.0	16.3	17.0	17.4	18.8
	6H	14.7	15.1	15.8	16.1	17.5	16.5	16.8	17.6	17.9	19.3
	8H	14.8	15.1	15.9	16.1	17.6	16.7	17.0	17.8	18.0	19.5

Maximum UGR = 19.6

POLAR GRAPH



Maximum Candela = 2831.288 Located At Horizontal Angle = 90, Vertical Angle = 178
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (178) (Through Max. Cd.)