



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13012869.07

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 19 Apr, 2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX2UD-4'00-L10/RGB835U-L10-RGB835D-F-DMX-UNV - WHITE ONLY

[LUMINAIRE] Formed White aluminum housing, lens

[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	8608
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	86.4
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
Luminous Length (0-180)	3.96 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24049	22010	20173
55	21215	19288	17467
65	18652	16776	15190
75	15378	14088	13079
85	11093	11930	12199

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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>
0.0	1902.765	1902.765	1902.765	1902.765	1902.765
0.5	1899.873	1914.332	1898.427	1898.427	1895.536
1.0	1898.427	1914.332	1898.427	1898.427	1895.536
1.5	1898.427	1912.886	1898.427	1898.427	1895.536
2.0	1898.427	1912.886	1896.981	1898.427	1895.536
2.5	1896.981	1911.440	1896.981	1898.427	1895.536
3.0	1895.536	1911.440	1895.536	1898.427	1894.090
3.5	1894.090	1909.994	1894.090	1896.981	1892.644
4.0	1892.644	1908.548	1892.644	1895.536	1891.198
4.5	1891.198	1907.102	1889.752	1894.090	1889.752
5.0	1888.306	1904.211	1888.306	1892.644	1886.860
5.5	1886.860	1902.765	1885.415	1889.752	1885.415
6.0	1883.969	1899.873	1883.969	1886.860	1882.523
6.5	1881.077	1896.981	1881.077	1882.523	1878.185
7.0	1878.185	1894.090	1878.185	1878.185	1873.848
7.5	1875.293	1891.198	1875.293	1873.848	1869.510
8.0	1872.402	1888.306	1870.956	1868.064	1865.172
8.5	1868.064	1883.969	1868.064	1863.726	1859.389
9.0	1863.726	1881.077	1863.726	1857.943	1853.605
9.5	1860.835	1876.739	1859.389	1852.159	1846.376
10.0	1856.497	1872.402	1853.605	1844.930	1839.147
10.5	1852.159	1868.064	1849.268	1839.147	1831.917
11.0	1847.822	1863.726	1842.038	1831.917	1823.242
11.5	1842.038	1857.943	1836.255	1824.688	1816.013
12.0	1837.701	1853.605	1830.471	1817.459	1807.338
12.5	1831.917	1847.822	1823.242	1808.783	1798.662
13.0	1826.134	1842.038	1816.013	1801.554	1789.987
13.5	1820.350	1836.255	1808.783	1792.879	1782.758
14.0	1814.567	1830.471	1801.554	1784.204	1772.637
14.5	1807.338	1823.242	1792.879	1775.528	1762.515
15.0	1800.108	1816.013	1784.204	1765.407	1753.840
15.5	1794.325	1810.229	1775.528	1755.286	1743.719
16.0	1787.095	1801.554	1766.853	1746.611	1733.598
16.5	1779.866	1794.325	1758.178	1736.490	1723.477
17.0	1772.637	1785.649	1748.057	1724.923	1711.910
17.5	1765.407	1778.420	1737.936	1714.802	1701.789
18.0	1756.732	1769.745	1727.815	1703.235	1690.222
18.5	1749.503	1761.070	1717.694	1693.114	1678.655
19.0	1740.828	1752.394	1707.572	1681.547	1667.088
19.5	1732.152	1742.273	1697.451	1669.980	1655.521
20.0	1723.477	1733.598	1685.884	1658.413	1643.954
20.5	1714.802	1723.477	1674.318	1645.400	1630.941
21.0	1704.681	1713.356	1664.196	1632.387	1617.928
21.5	1696.005	1703.235	1652.629	1619.374	1604.916
22.0	1685.884	1693.114	1641.063	1606.362	1590.457
22.5	1677.209	1682.993	1629.495	1593.349	1575.998
23.0	1667.088	1672.872	1616.483	1578.890	1562.986
23.5	1656.967	1661.305	1604.916	1565.877	1547.081
24.0	1645.400	1651.184	1593.349	1551.418	1532.622
24.5	1635.279	1639.617	1580.336	1536.960	1518.164
25.0	1623.712	1628.050	1567.323	1523.947	1503.705
25.5	1613.591	1615.037	1555.756	1509.488	1489.246
26.0	1600.578	1603.470	1541.297	1493.584	1474.787
26.5	1589.011	1590.457	1528.285	1479.125	1460.329

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27.0	1575.998	1578.890	1515.272	1466.112	1445.725
27.5	1564.431	1565.877	1500.813	1451.653	1430.833
28.0	1551.418	1552.864	1487.800	1435.893	1416.519
28.5	1538.406	1539.852	1473.341	1421.579	1401.916
29.0	1525.393	1525.393	1458.883	1407.121	1387.601
29.5	1509.488	1512.380	1444.135	1392.228	1372.131
30.0	1496.476	1497.921	1429.387	1378.059	1356.949
30.5	1483.463	1483.463	1414.061	1362.588	1341.767
31.0	1469.004	1469.004	1398.590	1347.695	1326.730
31.5	1454.545	1454.545	1383.119	1331.935	1310.537
32.0	1440.520	1439.653	1367.648	1316.031	1294.921
32.5	1426.206	1423.748	1351.889	1299.837	1279.595
33.0	1411.892	1408.422	1336.129	1283.643	1263.112
33.5	1397.289	1392.662	1320.224	1267.160	1247.497
34.0	1382.541	1376.757	1303.741	1250.678	1230.435
34.5	1367.648	1360.708	1287.981	1233.906	1213.953
35.0	1353.190	1344.948	1271.643	1216.844	1197.036
35.5	1338.008	1329.188	1255.160	1200.361	1179.396
36.0	1322.537	1312.705	1239.111	1183.011	1161.612
36.5	1308.223	1296.656	1222.483	1165.660	1142.960
37.0	1292.463	1280.607	1205.422	1148.310	1124.453
37.5	1276.848	1264.558	1188.650	1130.815	1106.091
38.0	1261.666	1248.220	1171.589	1113.320	1087.728
38.5	1245.906	1232.315	1154.816	1095.246	1072.402
39.0	1229.857	1216.266	1138.333	1078.619	1057.365
39.5	1213.808	1200.361	1121.706	1064.594	1039.870
40.0	1197.469	1184.601	1104.934	1048.689	1022.808
40.5	1181.420	1168.697	1088.740	1031.628	1006.326
41.0	1165.660	1153.081	1076.016	1015.145	990.421
41.5	1149.467	1137.321	1060.690	999.241	974.950
42.0	1133.562	1121.272	1046.376	983.625	960.058
42.5	1117.368	1105.512	1030.616	968.733	945.599
43.0	1101.753	1089.463	1015.434	954.130	931.574
43.5	1086.716	1077.029	1000.398	939.816	917.694
44.0	1073.559	1062.715	985.650	925.791	904.102
44.5	1060.979	1047.533	971.046	911.910	890.367
45.0	1045.219	1032.640	956.588	898.319	876.776
45.5	1029.893	1017.025	942.274	884.728	863.329
46.0	1014.567	1001.554	928.104	871.281	849.738
46.5	999.385	986.228	914.079	857.690	836.436
47.0	984.059	971.191	900.054	844.244	822.989
47.5	968.878	956.154	885.885	830.508	809.543
48.0	953.985	941.117	871.715	816.917	796.241
48.5	939.237	926.224	857.401	803.470	782.939
49.0	924.489	911.332	843.087	790.023	769.781
49.5	909.741	896.729	828.628	776.721	756.768
50.0	894.994	881.981	814.459	763.419	743.755
50.5	880.246	867.233	800.289	750.262	730.887
51.0	865.498	852.630	786.264	737.249	718.019
51.5	850.461	838.026	772.384	724.092	705.151
52.0	835.713	823.134	758.648	711.079	692.283
52.5	820.820	808.675	745.346	698.066	679.559
53.0	806.217	794.216	732.044	685.198	666.691
53.5	791.614	779.902	719.031	672.330	653.822
54.0	777.010	765.733	705.874	659.461	641.099
54.5	762.407	751.708	692.861	646.593	628.375

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55.0	747.949	737.683	679.993	633.869	615.796
55.5	733.779	723.803	667.124	621.290	603.362
56.0	719.754	709.778	654.256	609.000	591.072
56.5	705.874	695.897	641.388	596.711	579.216
57.0	692.283	682.162	628.375	584.565	567.504
57.5	678.691	668.715	615.507	572.564	555.937
58.0	665.389	655.413	602.639	560.564	544.515
58.5	652.087	642.111	589.915	548.708	533.092
59.0	638.785	628.953	577.481	536.996	521.814
59.5	625.628	615.796	564.901	525.574	510.681
60.0	612.760	602.639	552.467	514.296	499.693
60.5	599.747	589.626	540.322	503.018	488.560
61.0	586.879	576.758	528.321	491.885	477.716
61.5	573.866	564.178	516.320	480.752	467.016
62.0	560.998	551.599	504.464	469.908	456.606
62.5	548.129	539.165	492.752	459.208	446.051
63.0	535.406	526.586	481.185	448.509	435.641
63.5	522.682	514.007	469.763	437.809	425.375
64.0	509.958	501.428	458.341	427.399	415.109
64.5	497.235	488.849	447.063	416.844	404.844
65.0	484.511	476.414	435.785	406.434	394.578
65.5	471.932	464.124	424.652	395.879	384.457
66.0	459.353	451.834	413.519	385.469	374.914
66.5	446.774	439.689	402.386	375.059	364.793
67.0	434.484	427.255	391.252	364.648	354.817
67.5	422.050	414.965	380.119	354.383	344.695
68.0	409.615	402.675	369.131	344.117	334.863
68.5	397.325	390.529	357.997	333.996	325.032
69.0	385.035	378.529	347.009	324.019	315.344
69.5	372.601	366.528	336.020	314.043	305.657
70.0	360.600	354.527	325.321	304.211	296.259
70.5	348.599	342.671	314.621	294.524	286.861
71.0	336.599	330.671	304.067	284.836	277.607
71.5	324.887	319.103	293.512	275.438	268.498
72.0	313.175	307.537	283.101	266.040	259.534
72.5	301.608	296.259	272.980	256.786	250.714
73.0	290.041	284.981	263.004	247.678	241.894
73.5	278.475	273.848	253.027	238.569	233.219
74.0	267.052	262.715	243.195	229.604	224.688
74.5	255.774	251.726	233.653	220.929	216.302
75.0	244.641	241.026	224.110	212.254	208.061
75.5	233.653	230.327	214.712	203.723	199.964
76.0	222.664	220.061	205.314	195.192	191.867
76.5	211.964	209.651	196.205	186.806	183.915
77.0	201.265	199.530	187.096	178.709	176.107
77.5	190.855	189.409	178.420	170.613	168.299
78.0	180.589	179.577	169.745	162.805	160.636
78.5	170.468	169.890	161.214	154.997	153.118
79.0	160.636	160.347	152.973	147.479	145.744
79.5	150.804	151.238	144.732	139.960	138.514
80.0	141.406	142.274	136.490	132.442	131.285
80.5	132.153	133.454	128.682	125.212	124.200
81.0	123.188	124.779	121.019	117.983	117.260
81.5	114.368	116.392	113.212	110.898	110.320
82.0	105.838	108.007	105.838	103.958	103.669
82.5	97.452	99.910	98.319	97.162	96.873

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83.0	89.499	91.957	91.090	90.511	90.367
83.5	81.547	84.294	84.005	83.861	83.861
84.0	74.028	76.920	77.065	77.354	77.643
84.5	66.655	69.691	70.414	71.137	71.426
85.0	59.425	62.606	63.907	64.920	65.353
85.5	52.630	55.811	57.546	58.847	59.570
86.0	45.979	49.160	51.328	52.919	53.642
86.5	39.617	42.942	45.256	47.135	48.148
87.0	33.400	36.725	39.328	41.496	42.653
87.5	27.327	30.797	33.689	36.002	37.159
88.0	21.399	25.014	28.050	30.508	31.954
88.5	15.615	19.230	22.411	25.303	26.893
89.0	9.687	13.302	16.628	19.230	20.820
89.5	3.904	7.229	9.398	10.555	11.567
90.0	8.428	11.799	13.534	15.632	16.471
90.5	10.559	10.820	10.038	10.690	10.950
91.0	13.818	13.688	11.732	12.123	12.384
91.5	19.684	16.947	13.557	13.688	13.818
92.0	25.681	20.206	16.034	15.513	15.513
92.5	31.808	23.856	18.772	17.599	17.468
93.0	38.196	28.158	21.901	19.945	19.945
93.5	44.453	32.981	25.420	23.074	22.552
94.0	50.710	38.587	29.331	26.463	25.681
94.5	57.098	43.801	33.372	29.983	28.940
95.0	63.485	49.015	37.674	33.502	32.460
95.5	69.873	54.621	42.106	37.022	35.979
96.0	76.130	60.226	46.669	40.542	39.369
96.5	82.388	66.614	51.362	44.192	42.628
97.0	88.906	72.741	56.055	47.842	45.756
97.5	95.424	78.998	61.139	51.753	49.276
98.0	101.420	85.516	66.353	55.794	53.056
98.5	108.068	92.816	72.350	60.357	56.967
99.0	114.456	99.465	79.650	64.919	61.008
99.5	120.844	106.113	85.516	69.743	65.180
100.0	126.971	112.892	91.513	74.436	69.612
100.5	133.228	119.931	98.031	79.129	74.305
101.0	140.789	126.971	104.027	84.213	79.259
101.5	147.046	133.880	110.024	89.688	84.213
102.0	153.303	141.832	115.890	96.466	89.557
102.5	159.691	150.175	121.235	104.679	95.032
103.0	166.730	158.387	126.971	111.979	100.899
103.5	173.379	167.252	132.837	119.540	107.938
104.0	180.157	176.116	138.703	126.449	118.106
104.5	188.631	183.808	144.309	132.707	126.319
105.0	195.931	190.977	151.348	138.573	132.446
105.5	203.492	198.929	158.127	144.960	138.833
106.0	211.444	207.012	164.254	151.609	145.612
106.5	219.526	214.833	171.554	157.866	152.130
107.0	227.609	223.437	178.984	164.123	158.518
107.5	235.039	231.910	186.675	170.772	165.036
108.0	242.730	240.645	193.063	177.029	172.075
108.5	250.813	250.422	199.581	183.156	178.724
109.0	259.286	260.850	207.012	189.804	185.111
109.5	268.151	271.149	214.573	197.887	192.411
110.0	278.188	281.056	222.785	206.881	198.799
110.5	288.356	291.615	231.128	214.833	206.360

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111.0	299.307	303.348	239.993	223.046	214.964
111.5	310.909	314.689	249.639	230.868	225.523
112.0	323.423	325.639	260.199	238.820	236.082
112.5	336.459	336.720	271.409	247.293	244.425
113.0	348.192	348.322	284.576	256.027	254.072
113.5	360.315	360.576	298.524	263.979	263.458
114.0	373.090	373.221	313.255	272.713	272.192
114.5	386.387	385.605	328.116	281.708	281.447
115.0	400.205	398.119	342.716	291.615	290.572
115.5	414.023	411.416	357.447	301.914	298.003
116.0	427.711	425.365	371.917	311.691	307.259
116.5	441.660	439.444	386.126	322.641	317.296
117.0	456.912	454.174	400.075	334.634	327.986
117.5	472.685	469.296	415.197	347.931	338.936
118.0	488.850	485.330	431.752	361.358	350.277
118.5	505.406	501.886	449.090	375.306	362.010
119.0	522.483	518.833	466.167	390.689	374.655
119.5	539.821	536.171	483.245	408.157	388.342
120.0	557.550	553.900	500.452	426.799	402.552
120.5	575.670	571.629	518.702	446.353	417.804
121.0	594.181	590.400	538.256	465.385	434.490
121.5	612.953	609.042	558.332	485.070	452.349
122.0	631.985	627.162	578.407	504.363	472.034
122.5	651.279	646.194	599.265	523.004	492.630
123.0	670.833	665.488	621.426	541.515	513.227
123.5	690.387	685.172	644.370	560.157	534.215
124.0	709.680	704.987	666.922	579.841	553.639
124.5	728.973	725.062	689.344	600.699	573.323
125.0	748.918	745.529	712.157	622.730	593.659
125.5	770.167	765.995	735.230	644.761	614.126
126.0	791.024	786.983	758.695	666.531	635.244
126.5	812.012	807.841	781.639	689.083	656.884
127.0	833.261	828.438	804.321	712.157	678.133
127.5	854.770	849.165	826.613	735.882	700.033
128.0	875.889	870.023	848.774	758.826	723.628
128.5	896.355	890.750	870.544	781.117	747.875
129.0	917.083	911.738	891.662	803.669	771.601
129.5	937.288	932.726	912.650	828.177	795.457
130.0	956.712	953.714	932.986	853.858	819.443
130.5	975.875	974.702	953.192	879.539	843.299
131.0	994.777	995.429	973.659	904.568	868.719
131.5	1013.940	1016.156	993.865	929.336	893.618
132.0	1033.103	1036.492	1013.158	955.278	918.777
132.5	1052.527	1056.046	1032.321	981.741	944.589
133.0	1071.168	1074.818	1051.353	1006.119	970.921
133.5	1089.027	1093.460	1070.777	1028.801	997.384
134.0	1106.626	1111.580	1089.940	1050.311	1024.108
134.5	1124.094	1129.830	1108.581	1072.081	1049.137
135.0	1141.432	1148.081	1127.353	1092.808	1073.906
135.5	1158.509	1165.679	1146.125	1112.623	1098.153
136.0	1175.586	1182.626	1164.506	1131.394	1121.096
136.5	1192.273	1198.921	1182.104	1149.384	1142.345
137.0	1208.307	1214.434	1198.921	1168.286	1162.029
137.5	1224.211	1229.555	1215.607	1187.058	1180.931
138.0	1239.463	1244.677	1232.032	1205.178	1199.442
138.5	1254.454	1259.408	1248.327	1222.125	1217.432

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1268.664	1273.617	1263.580	1237.768	1234.509
139.5	1281.960	1287.175	1277.919	1252.760	1250.935
140.0	1295.387	1300.471	1291.998	1267.230	1267.099
140.5	1308.814	1314.029	1306.207	1281.439	1282.873
141.0	1321.850	1325.761	1320.547	1295.387	1297.864
141.5	1334.886	1338.797	1333.583	1310.118	1311.422
142.0	1346.619	1351.833	1346.619	1324.458	1325.761
142.5	1357.048	1363.566	1358.351	1338.797	1338.797
143.0	1368.780	1375.298	1371.387	1351.833	1351.833
143.5	1380.512	1387.030	1383.120	1364.869	1364.869
144.0	1392.245	1398.763	1396.156	1377.905	1377.905
144.5	1402.674	1409.192	1407.888	1390.941	1390.941
145.0	1414.406	1419.620	1418.317	1402.674	1403.977
145.5	1424.835	1428.746	1428.746	1415.710	1417.013
146.0	1435.264	1439.174	1440.478	1428.746	1430.049
146.5	1445.692	1449.603	1452.210	1440.478	1441.782
147.0	1454.818	1460.032	1461.336	1453.514	1454.818
147.5	1463.943	1469.157	1471.764	1465.246	1466.550
148.0	1473.068	1478.282	1482.193	1476.979	1478.282
148.5	1482.193	1487.408	1491.318	1487.408	1490.015
149.0	1491.318	1495.229	1500.444	1497.836	1501.747
149.5	1499.140	1504.354	1509.569	1508.265	1513.480
150.0	1506.962	1513.480	1517.390	1517.390	1523.908
150.5	1516.087	1522.605	1526.516	1527.819	1535.641
151.0	1523.908	1531.730	1534.337	1536.944	1544.766
151.5	1531.730	1539.552	1543.462	1546.070	1555.195
152.0	1539.552	1548.677	1551.284	1555.195	1563.016
152.5	1548.677	1556.498	1557.802	1563.016	1572.142
153.0	1556.498	1564.320	1565.624	1570.838	1579.963
153.5	1564.320	1572.142	1572.142	1577.356	1587.785
154.0	1572.142	1579.963	1579.963	1585.178	1594.303
154.5	1578.660	1587.785	1586.481	1591.696	1602.124
155.0	1586.481	1595.606	1592.999	1598.214	1608.642
155.5	1594.303	1602.124	1599.517	1604.732	1613.857
156.0	1602.124	1609.946	1606.035	1611.250	1620.375
156.5	1609.946	1616.464	1612.553	1616.464	1625.589
157.0	1617.768	1622.982	1619.071	1622.982	1630.804
157.5	1624.286	1629.500	1625.589	1629.500	1636.018
158.0	1632.107	1634.714	1632.107	1634.714	1641.232
158.5	1638.625	1641.232	1637.322	1641.232	1646.447
159.0	1643.840	1646.447	1643.840	1646.447	1651.661
159.5	1650.358	1652.965	1650.358	1651.661	1658.179
160.0	1655.572	1658.179	1655.572	1656.876	1663.394
160.5	1659.483	1662.090	1660.786	1662.090	1669.912
161.0	1664.697	1667.304	1667.304	1667.304	1675.126
161.5	1669.912	1672.519	1672.519	1672.519	1681.644
162.0	1675.126	1676.430	1677.733	1679.037	1686.858
162.5	1680.340	1681.644	1682.948	1684.251	1693.376
163.0	1684.251	1685.555	1688.162	1689.466	1698.591
163.5	1689.466	1689.466	1692.073	1693.376	1703.805
164.0	1693.376	1694.680	1695.984	1698.591	1709.020
164.5	1697.287	1698.591	1701.198	1702.502	1714.234
165.0	1701.198	1702.502	1703.805	1707.716	1718.145
165.5	1703.805	1706.412	1707.716	1711.627	1722.056
166.0	1707.716	1710.323	1710.323	1715.538	1727.270
166.5	1711.627	1712.930	1712.930	1718.145	1729.877

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1715.538	1716.841	1716.841	1720.752	1733.788
167.5	1718.145	1719.448	1719.448	1724.663	1736.395
168.0	1722.056	1723.359	1722.056	1727.270	1739.002
168.5	1724.663	1725.966	1723.359	1729.877	1741.610
169.0	1728.574	1728.574	1725.966	1731.181	1744.217
169.5	1731.181	1731.181	1728.574	1732.484	1745.520
170.0	1733.788	1733.788	1731.181	1735.092	1746.824
170.5	1736.395	1736.395	1732.484	1736.395	1748.128
171.0	1739.002	1739.002	1735.092	1737.699	1749.431
171.5	1741.610	1740.306	1736.395	1737.699	1750.735
172.0	1742.913	1742.913	1737.699	1739.002	1752.038
172.5	1745.520	1744.217	1739.002	1740.306	1752.038
173.0	1746.824	1745.520	1740.306	1740.306	1753.342
173.5	1749.431	1748.128	1740.306	1741.610	1753.342
174.0	1750.735	1749.431	1741.610	1742.913	1753.342
174.5	1752.038	1749.431	1742.913	1742.913	1754.646
175.0	1753.342	1750.735	1742.913	1742.913	1754.646
175.5	1754.646	1752.038	1744.217	1744.217	1754.646
176.0	1754.646	1752.038	1744.217	1744.217	1754.646
176.5	1755.949	1753.342	1744.217	1744.217	1754.646
177.0	1755.949	1753.342	1745.520	1745.520	1754.646
177.5	1757.253	1753.342	1745.520	1745.520	1754.646
178.0	1757.253	1753.342	1745.520	1745.520	1754.646
178.5	1757.253	1754.646	1745.520	1745.520	1754.646
179.0	1757.253	1754.646	1746.824	1745.520	1754.646
179.5	1757.253	1754.646	1746.824	1745.520	1754.646
180.0	1750.735	1750.735	1750.735	1750.735	1750.735

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	681.96	N.A.	7.90
0-30	1403.85	N.A.	16.30
0-40	2200.78	N.A.	25.60
0-60	3555.38	N.A.	41.30
0-80	4231.5	N.A.	49.20
0-90	4303.66	N.A.	50.00
10-90	4124.15	N.A.	47.90
20-40	1518.82	N.A.	17.60
20-50	2261.31	N.A.	26.30
40-70	1790.21	N.A.	20.80
60-80	676.12	N.A.	7.90
70-80	240.52	N.A.	2.80
80-90	72.16	N.A.	0.80
90-110	219.92	N.A.	2.60
90-120	565.85	N.A.	6.60
90-130	1182.7	N.A.	13.70
90-150	2920.94	N.A.	33.90
90-180	4304.16	N.A.	50.00
110-180	4084.25	N.A.	47.40
0-180	8607.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.52
10-20	502.45
20-30	721.89
30-40	796.93
40-50	742.49
50-60	612.12
60-70	435.60
70-80	240.52
80-90	72.16
90-100	48.91
100-110	171.01
110-120	345.93
120-130	616.86
130-140	856.19
140-150	882.05
150-160	735.39
160-170	481.38
170-180	166.45

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36
3	82	72	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	35	33	30	27
5	69	58	50	44	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

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

Room Size UGR Viewed Crosswise

X=2H	Y=2H	18.7	19.5	19.6	20.5	21.8	17.5	18.4	18.5	19.3	20.6
	3H	20.3	21.0	21.2	22.0	23.3	19.1	19.8	20.1	20.8	22.1
	4H	20.8	21.5	21.8	22.5	23.8	19.7	20.4	20.6	21.4	22.7
	6H	21.2	21.9	22.2	22.9	24.2	20.1	20.8	21.1	21.8	23.1
	8H	21.3	21.9	22.3	22.9	24.3	20.3	20.9	21.3	21.9	23.2
	12H	21.4	22.0	22.4	23.0	24.3	20.4	21.0	21.4	22.0	23.3

UGR Viewed Endwise

4H	2H	19.0	19.8	20.0	20.7	22.0	18.1	18.8	19.1	19.8	21.1
	3H	20.9	21.5	21.9	22.5	23.8	19.9	20.5	20.9	21.5	22.8
	4H	21.5	22.1	22.6	23.1	24.4	20.6	21.1	21.6	22.1	23.5
	6H	22.1	22.5	23.1	23.6	24.9	21.1	21.6	22.1	22.6	24.0
	8H	22.2	22.7	23.2	23.7	25.0	21.3	21.8	22.4	22.8	24.2
	12H	22.3	22.7	23.3	23.7	25.1	21.5	21.9	22.5	22.9	24.3

8H	4H	21.7	22.2	22.7	23.2	24.5	20.8	21.3	21.9	22.3	23.7
	6H	22.4	22.7	23.4	23.8	25.1	21.6	21.9	22.6	23.0	24.3
	8H	22.6	22.9	23.7	24.0	25.3	21.8	22.2	22.9	23.2	24.6
	12H	22.8	23.0	23.8	24.1	25.5	22.1	22.4	23.1	23.4	24.8

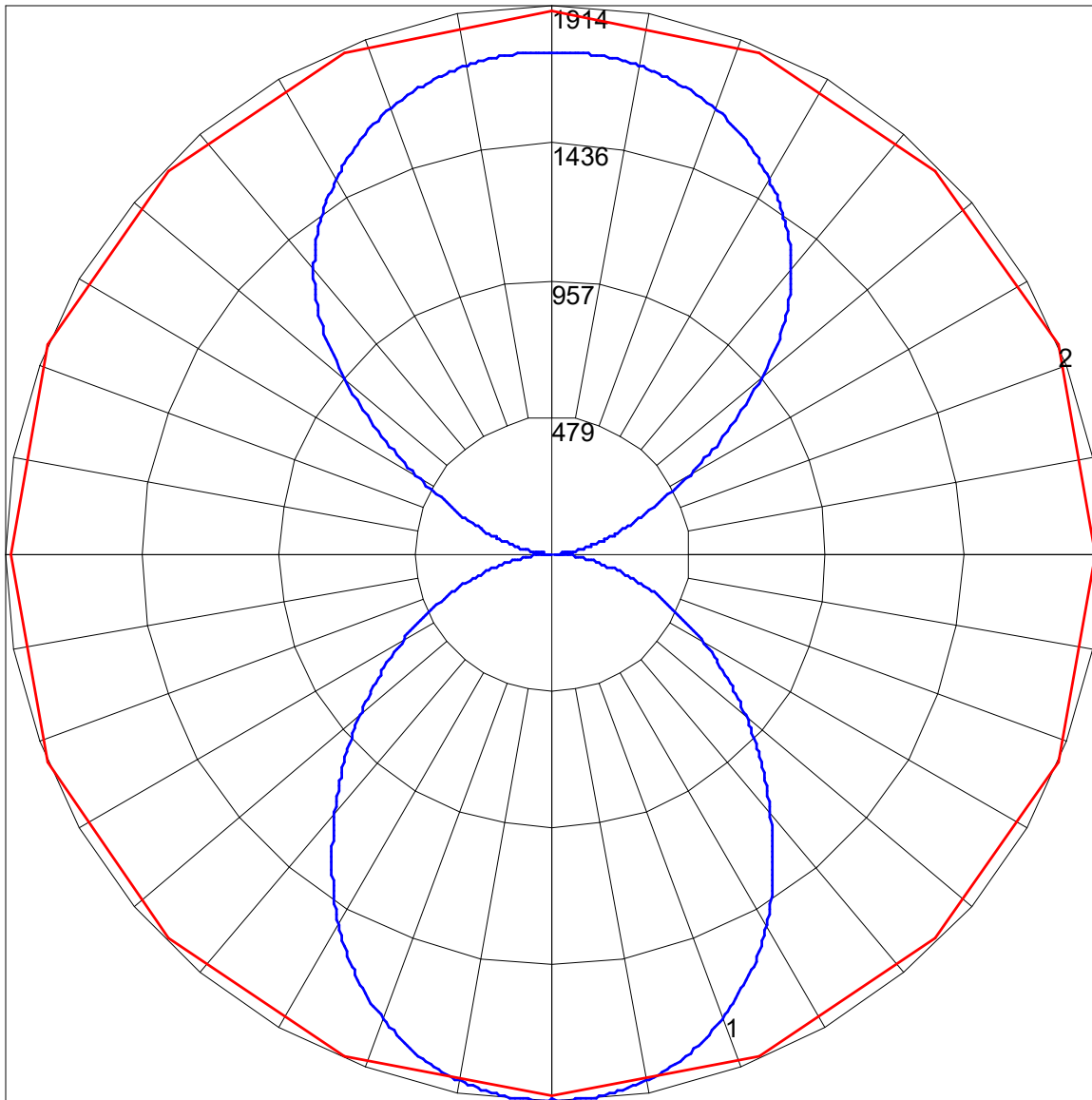
12H	4H	21.7	22.1	22.7	23.1	24.5	20.9	21.3	21.9	22.3	23.6
	6H	22.4	22.7	23.4	23.8	25.1	21.6	21.9	22.7	23.0	24.4
	8H	22.7	22.9	23.7	24.0	25.4	21.9	22.2	23.0	23.3	24.7

Maximum UGR = 25.5

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

POLAR GRAPH



Maximum Candela = 1914.332 Located At Horizontal Angle = 22.5, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)