



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-F-DMX-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13012869.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 19 Apr 2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX2D-4'00-L10/RGB835-F-DMX-UNV - WHITE ONLY

[LUMINAIRE] Formed White aluminum housing, frosted plastic 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	4304
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	43.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
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	1907.103	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	1852.160	1846.376
10.0	1856.497	1872.402	1853.605	1844.930	1839.147
10.5	1852.160	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	1762.516
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	1785.650	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	1707.573	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	1617.929
21.5	1696.006	1703.235	1652.629	1619.374	1604.916
22.0	1685.884	1693.114	1641.062	1606.362	1590.457
22.5	1677.209	1682.993	1629.496	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	1551.419	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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**CANDELA TABULATION - (Cont.)**

27.0	1575.998	1578.890	1515.272	1466.112	1445.725
27.5	1564.431	1565.877	1500.813	1451.654	1430.833
28.0	1551.419	1552.864	1487.800	1435.894	1416.519
28.5	1538.406	1539.852	1473.342	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	1496.475	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	1351.888	1299.837	1279.595
33.0	1411.892	1408.422	1336.129	1283.643	1263.112
33.5	1397.289	1392.662	1320.224	1267.161	1247.497
34.0	1382.541	1376.757	1303.741	1250.678	1230.435
34.5	1367.648	1360.708	1287.981	1233.905	1213.952
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	1171.588	1113.320	1087.728
38.5	1245.906	1232.315	1154.816	1095.247	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	1197.470	1184.601	1104.934	1048.690	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	1015.435	954.130	931.574
43.5	1086.716	1077.029	1000.397	939.816	917.694
44.0	1073.559	1062.714	985.650	925.791	904.103
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	743.756
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	777.011	765.733	705.874	659.461	641.099
54.5	762.407	751.708	692.861	646.593	628.375

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**CANDELA TABULATION - (Cont.)**

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	682.161	628.375	584.565	567.504
57.5	678.691	668.715	615.507	572.565	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	577.480	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	488.559
61.0	586.879	576.758	528.321	491.885	477.715
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	492.753	459.208	446.051
63.0	535.406	526.586	481.186	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	422.049	414.965	380.119	354.383	344.695
68.0	409.615	402.675	369.131	344.117	334.864
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	330.670	304.066	284.836	277.607
71.5	324.887	319.104	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	256.787	250.714
73.0	290.042	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	241.027	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	211.965	209.651	196.205	186.806	183.915
77.0	201.265	199.530	187.096	178.710	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	161.215	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	116.393	113.212	110.898	110.320
82.0	105.838	108.006	105.838	103.958	103.669
82.5	97.452	99.910	98.319	97.162	96.873

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**CANDELA TABULATION - (Cont.)**

83.0	89.499	91.957	91.090	90.511	90.367
83.5	81.547	84.294	84.005	83.860	83.860
84.0	74.029	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	48.147
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	20.821
89.5	3.904	7.229	9.398	10.555	11.567
90.0	0.868	3.326	5.061	6.506	7.085
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-F-DMX-UNV\_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-F-DMX-UNV\_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-F-DMX-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	681.96	N.A.	15.80
0-30	1403.85	N.A.	32.60
0-40	2200.78	N.A.	51.10
0-60	3555.38	N.A.	82.60
0-80	4231.5	N.A.	98.30
0-90	4303.43	N.A.	100.00
10-90	4123.91	N.A.	95.80
20-40	1518.82	N.A.	35.30
20-50	2261.31	N.A.	52.50
40-70	1790.21	N.A.	41.60
60-80	676.12	N.A.	15.70
70-80	240.52	N.A.	5.60
80-90	71.92	N.A.	1.70
90-110	0.13	N.A.	0.00
90-120	0.13	N.A.	0.00
90-130	0.13	N.A.	0.00
90-150	0.13	N.A.	0.00
90-180	0.13	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4303.56	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	71.92
90-100	0.13
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	81	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

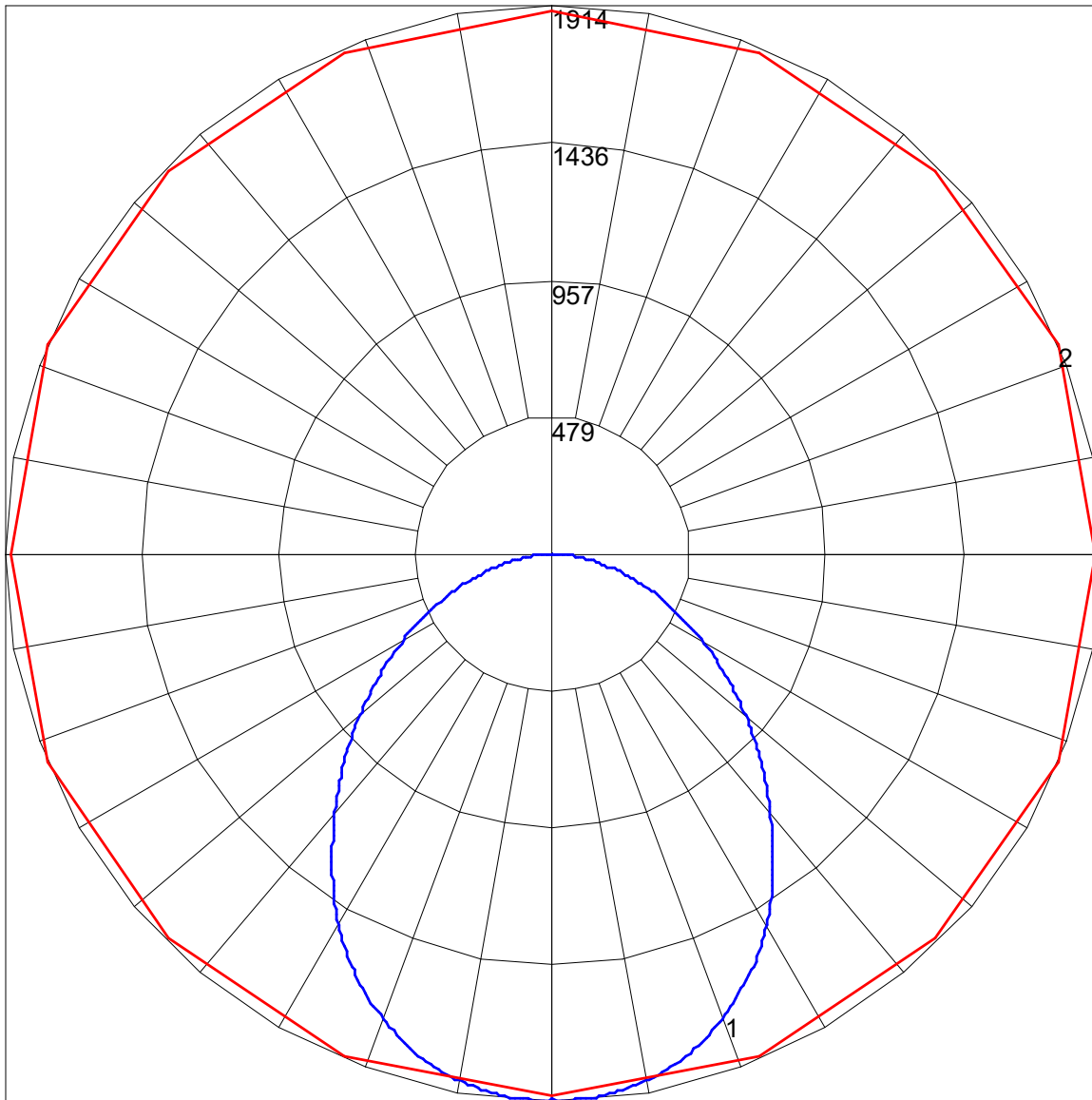
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-4-00-L10-RGB835-F-DMX-UNV\_.IES**

**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					UGR Viewed Endwise				
X=2H	Y=2H	22.5	24.1	22.9	24.4	24.7	21.4	23.0	21.8	23.3	23.6
	3H	24.2	25.6	24.6	25.9	26.3	23.0	24.4	23.4	24.8	25.1
	4H	24.8	26.1	25.2	26.5	26.8	23.6	24.9	24.0	25.3	25.7
	6H	25.2	26.4	25.6	26.8	27.2	24.1	25.3	24.5	25.7	26.1
	8H	25.3	26.5	25.7	26.9	27.3	24.3	25.4	24.7	25.8	26.2
	12H	25.4	26.5	25.8	26.9	27.3	24.4	25.5	24.8	25.9	26.3
4H	2H	23.0	24.3	23.4	24.7	25.0	22.1	23.4	22.5	23.8	24.1
	3H	24.9	26.0	25.3	26.4	26.8	23.9	25.0	24.3	25.4	25.8
	4H	25.6	26.6	26.0	27.0	27.4	24.6	25.6	25.0	26.0	26.5
	6H	26.1	27.0	26.6	27.5	27.9	25.2	26.1	25.7	26.5	27.0
	8H	26.3	27.1	26.8	27.6	28.0	25.4	26.2	25.9	26.7	27.2
	12H	26.4	27.2	26.9	27.6	28.1	25.6	26.3	26.1	26.8	27.3
8H	4H	25.8	26.6	26.3	27.1	27.5	24.9	25.8	25.4	26.2	26.7
	6H	26.5	27.2	27.0	27.6	28.1	25.7	26.3	26.2	26.8	27.3
	8H	26.7	27.3	27.2	27.8	28.3	26.0	26.6	26.5	27.1	27.6
	12H	26.9	27.5	27.4	28.0	28.5	26.2	26.8	26.7	27.3	27.8
12H	4H	25.8	26.6	26.3	27.0	27.5	25.0	25.7	25.5	26.2	26.7
	6H	26.5	27.1	27.0	27.6	28.1	25.7	26.4	26.3	26.8	27.4
	8H	26.8	27.4	27.3	27.8	28.4	26.1	26.6	26.6	27.1	27.7

Maximum UGR = 28.5

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.)