



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-(L6)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 07-31-2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO. 64836
 [LUMCAT] MX2D-8-00-L8-835-F-(L6)-AC/Dxx-XX-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] HLMX 80 CRI 3500K CCT 144 LEDS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4893
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	38.5
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)	8.00 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	13527	12380	11347
55	11933	10849	9825
65	10491	9436	8544
75	8650	7924	7357
85	6240	6710	6862

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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	2163.263	2163.263	2163.263	2163.263	2163.263
0.5	2159.975	2176.414	2158.332	2158.332	2155.044
1.0	2158.332	2176.414	2158.332	2158.332	2155.044
1.5	2158.332	2174.770	2158.332	2158.332	2155.044
2.0	2158.332	2174.770	2156.688	2158.332	2155.044
2.5	2156.688	2173.126	2156.688	2158.332	2155.044
3.0	2155.044	2173.126	2155.044	2158.332	2153.400
3.5	2153.400	2171.482	2153.400	2156.688	2151.756
4.0	2151.756	2169.838	2151.756	2155.044	2150.113
4.5	2150.113	2168.195	2148.469	2153.400	2148.469
5.0	2146.825	2164.907	2146.825	2151.756	2145.181
5.5	2145.181	2163.263	2143.537	2148.469	2143.537
6.0	2141.893	2159.975	2141.893	2145.181	2140.250
6.5	2138.606	2156.688	2138.606	2140.250	2135.318
7.0	2135.318	2153.400	2135.318	2135.318	2130.387
7.5	2132.031	2150.113	2132.031	2130.387	2125.455
8.0	2128.743	2146.825	2127.099	2123.811	2120.524
8.5	2123.811	2141.893	2123.811	2118.880	2113.949
9.0	2118.880	2138.606	2118.880	2112.305	2107.373
9.5	2115.592	2133.674	2113.949	2105.730	2099.154
10.0	2110.661	2128.743	2107.373	2097.510	2090.935
10.5	2105.730	2123.811	2102.442	2090.935	2082.716
11.0	2100.798	2118.880	2094.223	2082.716	2072.853
11.5	2094.223	2112.305	2087.648	2074.497	2064.634
12.0	2089.291	2107.373	2081.072	2066.278	2054.771
12.5	2082.716	2100.798	2072.853	2056.415	2044.908
13.0	2076.141	2094.223	2064.634	2048.196	2035.045
13.5	2069.566	2087.648	2056.415	2038.333	2026.826
14.0	2062.990	2081.072	2048.196	2028.470	2015.320
14.5	2054.771	2072.853	2038.333	2018.607	2003.813
15.0	2046.552	2064.634	2028.470	2007.100	1993.950
15.5	2039.977	2058.059	2018.607	1995.594	1982.443
16.0	2031.758	2048.196	2008.744	1985.731	1970.937
16.5	2023.539	2039.977	1998.881	1974.224	1959.430
17.0	2015.320	2030.114	1987.375	1961.074	1946.279
17.5	2007.100	2021.895	1975.868	1949.567	1934.773
18.0	1997.238	2012.032	1964.361	1936.416	1921.622
18.5	1989.019	2002.169	1952.855	1924.910	1908.471
19.0	1979.156	1992.306	1941.348	1911.759	1895.321
19.5	1969.293	1980.799	1929.841	1898.609	1882.170
20.0	1959.430	1970.937	1916.691	1885.458	1869.020
20.5	1949.567	1959.430	1903.540	1870.664	1854.226
21.0	1938.060	1947.923	1892.033	1855.869	1839.431
21.5	1928.197	1936.416	1878.883	1841.075	1824.637
22.0	1916.691	1924.910	1865.732	1826.281	1808.199
22.5	1906.828	1913.403	1852.582	1811.486	1791.760
23.0	1895.321	1901.896	1837.787	1795.048	1776.966
23.5	1883.814	1888.746	1824.637	1780.254	1758.884
24.0	1870.664	1877.239	1811.486	1763.816	1742.446
24.5	1859.157	1864.088	1796.692	1747.377	1726.008
25.0	1846.006	1850.938	1781.898	1732.583	1709.570
25.5	1834.500	1836.144	1768.747	1716.145	1693.131
26.0	1819.705	1822.993	1752.309	1698.063	1676.693
26.5	1806.555	1808.199	1737.515	1681.625	1660.255

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CANDELA TABULATION - (Cont.)

27.0	1791.760	1795.048	1722.720	1666.830	1643.653
27.5	1778.610	1780.254	1706.282	1650.392	1626.721
28.0	1763.816	1765.459	1691.488	1632.475	1610.447
28.5	1749.021	1750.665	1675.049	1616.201	1593.845
29.0	1734.227	1734.227	1658.611	1599.763	1577.571
29.5	1716.145	1719.433	1641.844	1582.831	1559.982
30.0	1701.351	1702.994	1625.077	1566.722	1542.722
30.5	1686.556	1686.556	1607.653	1549.133	1525.462
31.0	1670.118	1670.118	1590.064	1532.202	1508.366
31.5	1653.680	1653.680	1572.475	1514.284	1489.956
32.0	1637.735	1636.749	1554.886	1496.202	1472.202
32.5	1621.461	1618.667	1536.969	1477.791	1454.778
33.0	1605.187	1601.242	1519.051	1459.381	1436.038
33.5	1588.585	1583.324	1500.969	1440.641	1418.285
34.0	1571.818	1565.242	1482.230	1421.902	1398.888
34.5	1554.886	1546.996	1464.312	1402.833	1380.149
35.0	1538.448	1529.079	1445.737	1383.436	1360.916
35.5	1521.188	1511.161	1426.997	1364.697	1340.861
36.0	1503.599	1492.421	1408.751	1344.971	1320.643
36.5	1487.326	1474.175	1389.847	1325.245	1299.437
37.0	1469.408	1455.929	1370.450	1305.519	1278.396
37.5	1451.655	1437.682	1351.382	1285.629	1257.520
38.0	1434.395	1419.107	1331.985	1265.739	1236.643
38.5	1416.477	1401.025	1312.917	1245.191	1219.219
39.0	1398.231	1382.779	1294.177	1226.287	1202.123
39.5	1379.984	1364.697	1275.273	1210.342	1182.233
40.0	1361.409	1346.779	1256.205	1192.260	1162.836
40.5	1343.163	1328.697	1237.794	1172.863	1144.097
41.0	1325.245	1310.944	1223.329	1154.124	1126.015
41.5	1306.834	1293.026	1205.904	1136.042	1108.426
42.0	1288.752	1274.780	1189.630	1118.289	1091.494
42.5	1270.342	1256.862	1171.713	1101.357	1075.056
43.0	1252.589	1238.616	1154.453	1084.755	1059.111
43.5	1235.493	1224.479	1137.357	1068.481	1043.331
44.0	1220.534	1208.205	1120.590	1052.536	1027.879
44.5	1206.233	1190.945	1103.987	1036.755	1012.262
45.0	1188.315	1174.014	1087.549	1021.303	996.811
45.5	1170.891	1156.261	1071.276	1005.852	981.523
46.0	1153.466	1138.672	1055.166	990.564	966.071
46.5	1136.206	1121.248	1039.221	975.112	950.948
47.0	1118.782	1104.152	1023.276	959.825	935.661
47.5	1101.522	1087.056	1007.167	944.208	920.373
48.0	1084.590	1069.960	991.057	928.757	905.250
48.5	1067.823	1053.029	974.783	913.469	890.127
49.0	1051.057	1036.098	958.510	898.182	875.168
49.5	1034.290	1019.495	942.071	883.058	860.374
50.0	1017.523	1002.728	925.962	867.935	845.579
50.5	1000.756	985.961	909.853	852.977	830.949
51.0	983.989	969.359	893.908	838.182	816.319
51.5	966.893	952.756	878.127	823.224	801.690
52.0	950.126	935.825	862.511	808.429	787.060
52.5	933.195	919.387	847.388	793.635	772.594
53.0	916.592	902.949	832.265	779.005	757.964
53.5	899.990	886.675	817.470	764.375	743.334
54.0	883.387	870.565	802.511	749.745	728.868
54.5	866.785	854.620	787.717	735.115	714.403

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-(L6)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	850.347	838.675	773.087	720.649	700.102
55.5	834.237	822.895	758.457	706.348	685.965
56.0	818.292	806.950	743.827	692.376	671.992
56.5	802.511	791.169	729.197	678.403	658.513
57.0	787.060	775.553	714.403	664.595	645.198
57.5	771.608	760.265	699.773	650.952	632.048
58.0	756.485	745.142	685.143	637.308	619.061
58.5	741.361	730.019	670.677	623.829	606.075
59.0	726.238	715.060	656.540	610.514	593.254
59.5	711.280	700.102	642.239	597.527	580.596
60.0	696.650	685.143	628.102	584.706	568.103
60.5	681.855	670.349	614.294	571.884	555.446
61.0	667.225	655.719	600.651	559.227	543.117
61.5	652.431	641.417	587.007	546.569	530.953
62.0	637.801	627.116	573.528	534.241	519.117
62.5	623.171	612.979	560.213	522.076	507.118
63.0	608.705	598.678	547.062	509.912	495.282
63.5	594.240	584.377	534.076	497.748	483.611
64.0	579.774	570.076	521.090	485.912	471.940
64.5	565.309	555.775	508.268	473.912	460.269
65.0	550.843	541.638	495.446	462.077	448.598
65.5	536.542	527.665	482.789	450.077	437.091
66.0	522.241	513.693	470.132	438.242	426.242
66.5	507.939	499.885	457.474	426.406	414.735
67.0	493.967	485.748	444.817	414.571	403.393
67.5	479.830	471.775	432.159	402.900	391.886
68.0	465.693	457.803	419.666	391.228	380.708
68.5	451.721	443.995	407.009	379.722	369.530
69.0	437.748	430.351	394.516	368.379	358.516
69.5	423.612	416.708	382.023	357.037	347.503
70.0	409.968	403.064	369.859	345.859	336.818
70.5	396.324	389.585	357.695	334.846	326.133
71.0	382.681	375.941	345.695	323.832	315.613
71.5	369.366	362.790	333.695	313.147	305.257
72.0	356.051	349.640	321.859	302.462	295.065
72.5	342.900	336.818	310.353	291.942	285.038
73.0	329.750	323.996	299.010	281.586	275.011
73.5	316.599	311.339	287.668	271.230	265.148
74.0	303.613	298.682	276.490	261.038	255.449
74.5	290.791	286.189	265.641	251.175	245.915
75.0	278.134	274.024	254.792	241.312	236.545
75.5	265.641	261.860	244.107	231.614	227.340
76.0	253.148	250.189	233.422	221.915	218.135
76.5	240.984	238.353	223.066	212.381	209.094
77.0	228.819	226.847	212.710	203.176	200.217
77.5	216.984	215.340	202.847	193.970	191.340
78.0	205.313	204.162	192.984	185.094	182.628
78.5	193.806	193.148	183.286	176.217	174.080
79.0	182.628	182.299	173.916	167.669	165.697
79.5	171.450	171.943	164.546	159.121	157.478
80.0	160.765	161.752	155.176	150.574	149.259
80.5	150.245	151.724	146.300	142.355	141.204
81.0	140.053	141.861	137.587	134.135	133.314
81.5	130.026	132.327	128.711	126.081	125.423
82.0	120.327	122.793	120.327	118.190	117.862
82.5	110.793	113.588	111.780	110.464	110.136

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CANDELA TABULATION - (Cont.)

83.0	101.752	104.547	103.560	102.903	102.739
83.5	92.711	95.835	95.506	95.341	95.341
84.0	84.163	87.451	87.615	87.944	88.273
84.5	75.780	79.232	80.054	80.876	81.205
85.0	67.561	71.177	72.657	73.807	74.301
85.5	59.835	63.451	65.424	66.903	67.725
86.0	52.273	55.890	58.356	60.164	60.986
86.5	45.041	48.821	51.451	53.588	54.739
87.0	37.972	41.753	44.712	47.178	48.493
87.5	31.068	35.013	38.301	40.931	42.246
88.0	24.328	28.438	31.890	34.685	36.328
88.5	17.753	21.863	25.479	28.767	30.575
89.0	11.014	15.123	18.904	21.863	23.671
89.5	4.438	8.219	10.685	12.000	13.151
90.0	0.986	3.781	5.753	7.397	8.055
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-8-00-L8-835-F-(L6)-DIM-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-8-00-L8-835-F-(L6)-DIM-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-8-00-L8-835-F-(L6)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	775.33	N.A.	15.80
0-30	1596.05	N.A.	32.60
0-40	2502.08	N.A.	51.10
0-60	4042.14	N.A.	82.60
0-80	4810.82	N.A.	98.30
0-90	4892.59	N.A.	100.00
10-90	4688.5	N.A.	95.80
20-40	1726.75	N.A.	35.30
20-50	2570.89	N.A.	52.50
40-70	2035.3	N.A.	41.60
60-80	768.68	N.A.	15.70
70-80	273.45	N.A.	5.60
80-90	81.77	N.A.	1.70
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4892.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.09
10-20	571.23
20-30	820.72
30-40	906.03
40-50	844.14
50-60	695.92
60-70	495.24
70-80	273.45
80-90	81.77
90-100	0.15
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-8-00-L8-835-F-(L6)-DIM-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-8-00-L8-835-F-(L6)-DIM-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

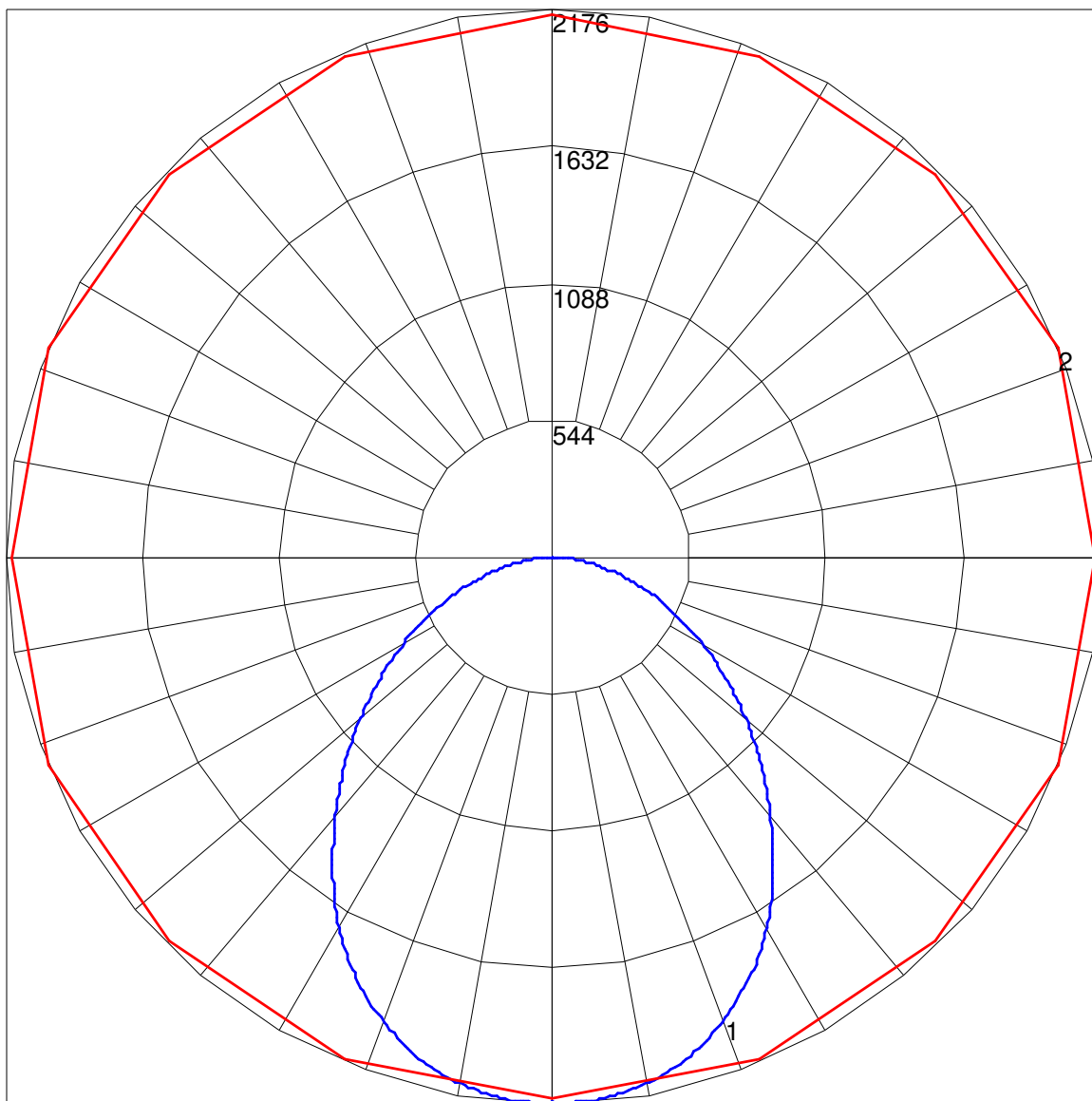
X=2H	Y=2H	20.5	22.1	20.9	22.4	22.7	19.4	20.9	19.7	21.2	21.5
	3H	22.2	23.6	22.5	23.9	24.2	21.0	22.4	21.4	22.7	23.1
	4H	22.7	24.1	23.1	24.4	24.8	21.6	22.9	22.0	23.2	23.6
	6H	23.2	24.4	23.6	24.7	25.1	22.1	23.3	22.5	23.6	24.0
	8H	23.3	24.4	23.7	24.8	25.2	22.2	23.4	22.6	23.8	24.2
	12H	23.4	24.5	23.8	24.9	25.3	22.4	23.5	22.8	23.8	24.3

UGR Viewed Endwise

4H	2H	21.0	22.3	21.4	22.6	23.0	20.0	21.4	20.4	21.7	22.1
	3H	22.8	23.9	23.2	24.3	24.7	21.8	23.0	22.3	23.4	23.8
	4H	23.6	24.5	24.0	25.0	25.4	22.6	23.6	23.0	24.0	24.4
	6H	24.1	25.0	24.6	25.4	25.9	23.2	24.0	23.6	24.5	24.9
	8H	24.3	25.1	24.7	25.5	26.0	23.4	24.2	23.9	24.6	25.1
	12H	24.4	25.1	24.9	25.6	26.1	23.6	24.3	24.1	24.8	25.2
8H	4H	23.8	24.6	24.2	25.0	25.5	22.9	23.7	23.4	24.2	24.6
	6H	24.4	25.1	24.9	25.6	26.1	23.6	24.3	24.1	24.8	25.3
	8H	24.7	25.3	25.2	25.8	26.3	23.9	24.5	24.4	25.0	25.5
	12H	24.9	25.4	25.4	25.9	26.5	24.2	24.7	24.7	25.2	25.8
12H	4H	23.8	24.5	24.3	25.0	25.5	22.9	23.7	23.4	24.1	24.6
	6H	24.5	25.1	25.0	25.6	26.1	23.7	24.3	24.2	24.8	25.3
	8H	24.8	25.3	25.3	25.8	26.4	24.0	24.6	24.6	25.1	25.6

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 2176.414 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.)