



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-(L5)-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-(L5)-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] HLMX 80 CRI 3500K CCT 144 WHITE LEDS
 [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	4083
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	32
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	11287	10330	9468
55	9957	9053	8198
65	8754	7874	7129
75	7218	6612	6138
85	5206	5599	5726

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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	1805.078	1805.078	1805.078	1805.078	1805.078
0.5	1802.335	1816.051	1800.963	1800.963	1798.220
1.0	1800.963	1816.051	1800.963	1800.963	1798.220
1.5	1800.963	1814.680	1800.963	1800.963	1798.220
2.0	1800.963	1814.680	1799.592	1800.963	1798.220
2.5	1799.592	1813.308	1799.592	1800.963	1798.220
3.0	1798.220	1813.308	1798.220	1800.963	1796.848
3.5	1796.848	1811.936	1796.848	1799.592	1795.477
4.0	1795.477	1810.565	1795.477	1798.220	1794.105
4.5	1794.105	1809.193	1792.733	1796.848	1792.733
5.0	1791.362	1806.450	1791.362	1795.477	1789.990
5.5	1789.990	1805.078	1788.619	1792.733	1788.619
6.0	1787.247	1802.335	1787.247	1789.990	1785.875
6.5	1784.504	1799.592	1784.504	1785.875	1781.760
7.0	1781.760	1796.848	1781.760	1781.760	1777.645
7.5	1779.017	1794.105	1779.017	1777.645	1773.530
8.0	1776.274	1791.362	1774.902	1772.159	1769.416
8.5	1772.159	1787.247	1772.159	1768.044	1763.929
9.0	1768.044	1784.504	1768.044	1762.557	1758.442
9.5	1765.301	1780.389	1763.929	1757.071	1751.584
10.0	1761.186	1776.274	1758.442	1750.213	1744.726
10.5	1757.071	1772.159	1754.328	1744.726	1737.868
11.0	1752.956	1768.044	1747.469	1737.868	1729.638
11.5	1747.469	1762.557	1741.983	1731.010	1722.780
12.0	1743.354	1758.442	1736.496	1724.151	1714.550
12.5	1737.868	1752.956	1729.638	1715.922	1706.320
13.0	1732.381	1747.469	1722.780	1709.063	1698.090
13.5	1726.895	1741.983	1715.922	1700.834	1691.232
14.0	1721.408	1736.496	1709.063	1692.604	1681.631
14.5	1714.550	1729.638	1700.834	1684.374	1672.029
15.0	1707.692	1722.780	1692.604	1674.772	1663.799
15.5	1702.205	1717.293	1684.374	1665.171	1654.198
16.0	1695.347	1709.063	1676.144	1656.941	1644.596
16.5	1688.489	1702.205	1667.914	1647.340	1634.995
17.0	1681.631	1693.975	1658.313	1636.366	1624.022
17.5	1674.772	1687.117	1648.711	1626.765	1614.420
18.0	1666.543	1678.887	1639.110	1615.792	1603.447
18.5	1659.684	1670.657	1629.508	1606.190	1592.474
19.0	1651.455	1662.428	1619.907	1595.217	1581.501
19.5	1643.225	1652.826	1610.305	1584.244	1570.528
20.0	1634.995	1644.596	1599.332	1573.271	1559.555
20.5	1626.765	1634.995	1588.359	1560.926	1547.210
21.0	1617.164	1625.393	1578.758	1548.582	1534.865
21.5	1608.934	1615.792	1567.784	1536.237	1522.520
22.0	1599.332	1606.190	1556.811	1523.892	1508.804
22.5	1591.102	1596.589	1545.838	1511.547	1495.088
23.0	1581.501	1586.987	1533.493	1497.831	1482.743
23.5	1571.899	1576.014	1522.520	1485.486	1467.655
24.0	1560.926	1566.413	1511.547	1471.770	1453.938
24.5	1551.325	1555.440	1499.202	1458.053	1440.222
25.0	1540.352	1544.467	1486.858	1445.709	1426.506
25.5	1530.750	1532.122	1475.885	1431.992	1412.789
26.0	1518.405	1521.149	1462.168	1416.904	1399.073
26.5	1507.432	1508.804	1449.823	1403.188	1385.356

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-(L5)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1495.088	1497.831	1437.479	1390.843	1371.503
27.5	1484.114	1485.486	1423.762	1377.127	1357.375
28.0	1471.770	1473.141	1411.418	1362.176	1343.796
28.5	1459.425	1460.797	1397.701	1348.596	1329.942
29.0	1447.080	1447.080	1383.985	1334.880	1316.363
29.5	1431.992	1434.735	1369.994	1320.752	1301.686
30.0	1419.647	1421.019	1356.003	1307.310	1287.284
30.5	1407.303	1407.303	1341.464	1292.634	1272.882
31.0	1393.586	1393.586	1326.787	1278.506	1258.617
31.5	1379.870	1379.870	1312.111	1263.555	1243.254
32.0	1366.565	1365.742	1297.434	1248.467	1228.441
32.5	1352.986	1350.654	1282.483	1233.104	1213.901
33.0	1339.406	1336.114	1267.532	1217.742	1198.265
33.5	1325.553	1321.164	1252.444	1202.105	1183.451
34.0	1311.562	1306.076	1236.808	1186.469	1167.266
34.5	1297.434	1290.850	1221.857	1170.558	1151.629
35.0	1283.718	1275.899	1206.357	1154.372	1135.581
35.5	1269.316	1260.949	1190.721	1138.736	1118.847
36.0	1254.639	1245.312	1175.495	1122.276	1101.976
36.5	1241.060	1230.087	1159.722	1105.816	1084.281
37.0	1226.109	1214.862	1143.536	1089.356	1066.724
37.5	1211.295	1199.636	1127.625	1072.760	1049.305
38.0	1196.893	1184.137	1111.440	1056.163	1031.885
38.5	1181.942	1169.049	1095.529	1039.017	1017.345
39.0	1166.717	1153.824	1079.892	1023.243	1003.080
39.5	1151.492	1138.736	1064.118	1009.939	986.483
40.0	1135.992	1123.785	1048.207	994.850	970.298
40.5	1120.767	1108.697	1032.845	978.665	954.661
41.0	1105.816	1093.883	1020.774	963.028	939.573
41.5	1090.454	1078.932	1006.235	947.940	924.897
42.0	1075.366	1063.707	992.656	933.127	910.769
42.5	1060.003	1048.756	977.705	918.999	897.053
43.0	1045.190	1033.531	963.303	905.145	883.748
43.5	1030.925	1021.735	949.038	891.566	870.580
44.0	1018.443	1008.155	935.047	878.261	857.686
44.5	1006.509	993.753	921.193	865.093	844.656
45.0	991.559	979.625	907.477	852.200	831.762
45.5	977.019	964.812	893.898	839.306	819.006
46.0	962.480	950.135	880.456	826.550	806.113
46.5	948.078	935.596	867.151	813.657	793.494
47.0	933.538	921.331	853.846	800.901	780.737
47.5	919.136	907.066	840.404	787.870	767.981
48.0	905.008	892.800	826.962	774.977	755.362
48.5	891.017	878.673	813.383	762.220	742.743
49.0	877.027	864.545	799.803	749.464	730.261
49.5	863.036	850.691	786.087	736.845	717.916
50.0	849.045	836.700	772.645	724.226	705.572
50.5	835.054	822.710	759.203	711.744	693.364
51.0	821.064	808.856	745.898	699.399	681.156
51.5	806.799	795.003	732.730	686.917	668.949
52.0	792.808	780.875	719.699	674.573	656.741
52.5	778.680	767.158	707.080	662.228	644.671
53.0	764.826	753.442	694.461	650.020	632.463
53.5	750.973	739.863	682.117	637.813	620.256
54.0	737.119	726.421	669.635	625.605	608.185
54.5	723.266	713.116	657.290	613.397	596.115

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55.0	709.549	699.811	645.082	601.327	584.181
55.5	696.107	686.643	632.875	589.394	572.385
56.0	682.802	673.338	620.667	577.735	560.726
56.5	669.635	660.170	608.459	566.076	549.479
57.0	656.741	647.140	596.115	554.554	538.369
57.5	643.848	634.383	583.907	543.169	527.396
58.0	631.229	621.764	571.700	531.785	516.560
58.5	618.610	609.145	559.629	520.537	505.724
59.0	605.991	596.663	547.833	509.427	495.025
59.5	593.509	584.181	535.900	498.591	484.463
60.0	581.301	571.700	524.104	487.892	474.039
60.5	568.956	559.355	512.582	477.194	463.477
61.0	556.749	547.147	501.197	466.632	453.190
61.5	544.404	535.214	489.813	456.070	443.040
62.0	532.196	523.281	478.565	445.783	433.164
62.5	519.989	511.485	467.455	435.633	423.151
63.0	507.918	499.551	456.482	425.483	413.275
63.5	495.848	487.618	445.646	415.333	403.536
64.0	483.777	475.685	434.810	405.457	393.798
64.5	471.707	463.751	424.111	395.444	384.059
65.0	459.637	451.955	413.412	385.568	374.321
65.5	447.703	440.296	402.851	375.555	364.719
66.0	435.770	428.637	392.289	365.679	355.666
66.5	423.837	417.116	381.727	355.803	346.065
67.0	412.178	405.320	371.166	345.928	336.600
67.5	400.382	393.661	360.604	336.189	326.999
68.0	388.586	382.002	350.180	326.450	317.672
68.5	376.927	370.480	339.618	316.849	308.345
69.0	365.268	359.095	329.194	307.385	299.155
69.5	353.472	347.711	318.769	297.920	289.965
70.0	342.087	336.326	308.619	288.593	281.049
70.5	330.702	325.079	298.469	279.403	272.133
71.0	319.318	313.694	288.456	270.213	263.355
71.5	308.208	302.721	278.443	261.297	254.714
72.0	297.097	291.748	268.567	252.382	246.209
72.5	286.124	281.049	258.966	243.603	237.842
73.0	275.151	270.350	249.501	234.962	229.475
73.5	264.178	259.789	240.037	226.321	221.246
74.0	253.342	249.227	230.710	217.816	213.153
74.5	242.643	238.803	221.657	209.587	205.197
75.0	232.081	228.652	212.604	201.357	197.379
75.5	221.657	218.502	203.689	193.264	189.698
76.0	211.233	208.764	194.773	185.171	182.017
76.5	201.082	198.888	186.132	177.216	174.473
77.0	190.932	189.286	177.490	169.535	167.066
77.5	181.056	179.685	169.260	161.854	159.659
78.0	171.318	170.358	161.031	154.447	152.389
78.5	161.716	161.168	152.938	147.040	145.257
79.0	152.389	152.115	145.120	139.907	138.261
79.5	143.062	143.474	137.301	132.775	131.403
80.0	134.146	134.969	129.483	125.642	124.545
80.5	125.368	126.602	122.076	118.784	117.824
81.0	116.864	118.373	114.806	111.926	111.240
81.5	108.497	110.417	107.399	105.205	104.656
82.0	100.404	102.462	100.404	98.621	98.347
82.5	92.449	94.780	93.272	92.174	91.900

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-8-00-L8-835-F-(L5)-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	84.905	87.236	86.413	85.865	85.727
83.5	77.360	79.967	79.692	79.555	79.555
84.0	70.228	72.971	73.108	73.383	73.657
84.5	63.233	66.113	66.799	67.485	67.759
85.0	56.374	59.392	60.626	61.587	61.998
85.5	49.928	52.945	54.591	55.826	56.512
86.0	43.618	46.636	48.693	50.202	50.888
86.5	37.583	40.738	42.932	44.715	45.676
87.0	31.685	34.840	37.309	39.366	40.463
87.5	25.924	29.216	31.959	34.154	35.251
88.0	20.300	23.729	26.610	28.942	30.313
88.5	14.814	18.243	21.260	24.004	25.513
89.0	9.190	12.619	15.774	18.243	19.752
89.5	3.703	6.858	8.916	10.013	10.973
90.0	0.823	3.155	4.801	6.172	6.721
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-(L5)-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-(L5)-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-(L5)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	646.95	N.A.	15.80
0-30	1331.78	N.A.	32.60
0-40	2087.79	N.A.	51.10
0-60	3372.85	N.A.	82.60
0-80	4014.26	N.A.	98.30
0-90	4082.49	N.A.	100.00
10-90	3912.19	N.A.	95.80
20-40	1440.84	N.A.	35.30
20-50	2145.21	N.A.	52.50
40-70	1698.3	N.A.	41.60
60-80	641.41	N.A.	15.70
70-80	228.17	N.A.	5.60
80-90	68.23	N.A.	1.70
90-110	0.12	N.A.	0.00
90-120	0.12	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.12	N.A.	0.00
90-180	0.12	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4082.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.30
10-20	476.65
20-30	684.83
30-40	756.01
40-50	704.37
50-60	580.69
60-70	413.24
70-80	228.17
80-90	68.23
90-100	0.12
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

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-(L5)-DIM-UNV_.IES

UGR TABLE - CORRECTED

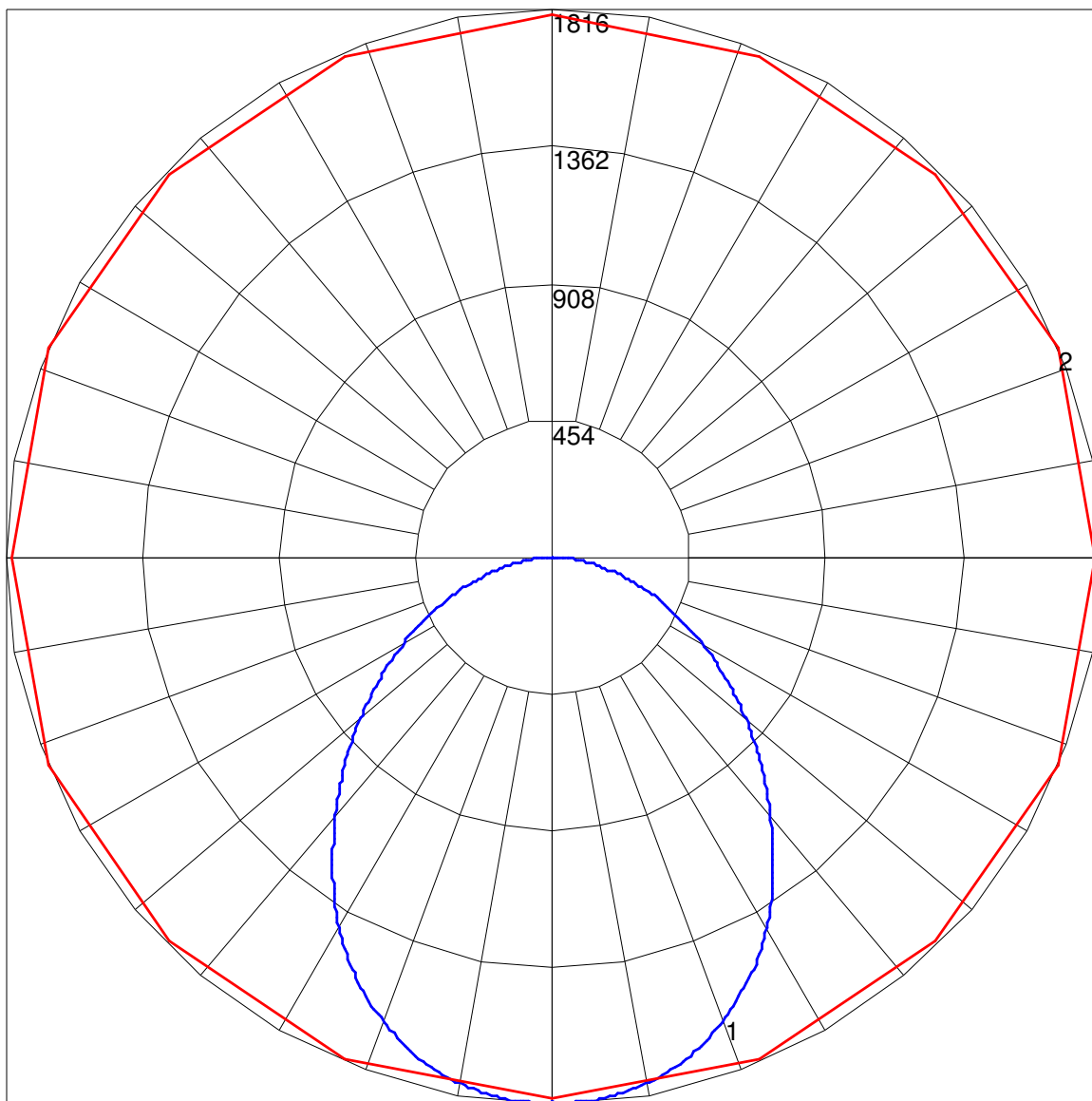
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	19.9	21.5	20.3	21.8	22.1	18.8	20.3	19.1	20.6	20.9
	3H	21.6	23.0	21.9	23.3	23.6	20.4	21.8	20.8	22.1	22.5
	4H	22.1	23.5	22.5	23.8	24.2	21.0	22.3	21.4	22.6	23.0
	6H	22.6	23.8	23.0	24.1	24.5	21.5	22.7	21.9	23.0	23.4
	8H	22.7	23.8	23.1	24.2	24.6	21.6	22.8	22.0	23.2	23.6
	12H	22.8	23.9	23.2	24.3	24.7	21.8	22.9	22.2	23.2	23.7
4H	2H	20.4	21.7	20.8	22.0	22.4	19.4	20.8	19.8	21.1	21.5
	3H	22.2	23.3	22.6	23.7	24.1	21.2	22.4	21.7	22.8	23.2
	4H	23.0	23.9	23.4	24.4	24.8	22.0	23.0	22.4	23.4	23.8
	6H	23.5	24.4	24.0	24.8	25.3	22.6	23.4	23.0	23.9	24.3
	8H	23.7	24.5	24.1	24.9	25.4	22.8	23.6	23.3	24.0	24.5
	12H	23.8	24.5	24.3	25.0	25.5	23.0	23.7	23.5	24.2	24.6
8H	4H	23.2	24.0	23.6	24.4	24.9	22.3	23.1	22.8	23.6	24.0
	6H	23.8	24.5	24.3	25.0	25.5	23.0	23.7	23.5	24.2	24.7
	8H	24.1	24.7	24.6	25.2	25.7	23.3	23.9	23.8	24.4	24.9
	12H	24.3	24.8	24.8	25.3	25.9	23.6	24.1	24.1	24.6	25.2
12H	4H	23.2	23.9	23.7	24.4	24.9	22.3	23.1	22.8	23.5	24.0
	6H	23.9	24.5	24.4	25.0	25.5	23.1	23.7	23.6	24.2	24.7
	8H	24.2	24.7	24.7	25.2	25.8	23.4	24.0	24.0	24.5	25.0

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 1816.051 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.)