

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-5-00-L8-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13012869.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 08-19-2022

[MANUFAC] H E Williams Inc

[LUMCAT] MX2D-5'-00-L8-835-F-DIM-UNV

[LUMINAIRE] Formed White aluminum housing, frosted plastic lens

[LAMP] 144 White LEDs

[BALLAST] One Philips Advance XI040C110V054BST1 Driver

[OTHER] 24.6 C, 119.988 V, 0.225834 A, 26.9225 W, 0.993544 PF, 59.9999

[MORE] Hz

[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	3758
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	33.5
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)	5.00 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	16624	15214	13945
55	14665	13333	12074
65	12893	11597	10500
75	10630	9738	9041
85	7668	8246	8433

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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	1661.583	1661.583	1661.583	1661.583	1661.583
0.5	1659.058	1671.684	1657.795	1657.795	1655.270
1.0	1657.795	1671.684	1657.795	1657.795	1655.270
1.5	1657.795	1670.421	1657.795	1657.795	1655.270
2.0	1657.795	1670.421	1656.533	1657.795	1655.270
2.5	1656.533	1669.159	1656.533	1657.795	1655.270
3.0	1655.270	1669.159	1655.270	1657.795	1654.007
3.5	1654.007	1667.896	1654.007	1656.533	1652.745
4.0	1652.745	1666.633	1652.745	1655.270	1651.482
4.5	1651.482	1665.371	1650.220	1654.007	1650.220
5.0	1648.957	1662.846	1648.957	1652.745	1647.694
5.5	1647.694	1661.583	1646.432	1650.220	1646.432
6.0	1645.169	1659.058	1645.169	1647.694	1643.907
6.5	1642.644	1656.533	1642.644	1643.907	1640.119
7.0	1640.119	1654.007	1640.119	1640.119	1636.331
7.5	1637.594	1651.482	1637.594	1636.331	1632.543
8.0	1635.068	1648.957	1633.806	1631.281	1628.755
8.5	1631.281	1645.169	1631.281	1627.493	1623.705
9.0	1627.493	1642.644	1627.493	1622.442	1618.655
9.5	1624.968	1638.856	1623.705	1617.392	1612.341
10.0	1621.180	1635.068	1618.655	1611.079	1606.028
10.5	1617.392	1631.281	1614.867	1606.028	1599.715
11.0	1613.604	1627.493	1608.554	1599.715	1592.140
11.5	1608.554	1622.442	1603.503	1593.402	1585.827
12.0	1604.766	1618.655	1598.453	1587.089	1578.251
12.5	1599.715	1613.604	1592.140	1579.514	1570.676
13.0	1594.665	1608.554	1585.827	1573.201	1563.100
13.5	1589.615	1603.503	1579.514	1565.625	1556.787
14.0	1584.564	1598.453	1573.201	1558.050	1547.949
14.5	1578.251	1592.140	1565.625	1550.474	1539.111
15.0	1571.938	1585.827	1558.050	1541.636	1531.535
15.5	1566.888	1580.776	1550.474	1532.798	1522.697
16.0	1560.575	1573.201	1542.898	1525.222	1513.859
16.5	1554.262	1566.888	1535.323	1516.384	1505.020
17.0	1547.949	1559.312	1526.485	1506.283	1494.920
17.5	1541.636	1552.999	1517.646	1497.445	1486.081
18.0	1534.060	1545.424	1508.808	1487.344	1475.981
18.5	1527.747	1537.848	1499.970	1478.506	1465.880
19.0	1520.172	1530.272	1491.132	1468.405	1455.779
19.5	1512.596	1521.434	1482.294	1458.304	1445.678
20.0	1505.020	1513.859	1472.193	1448.203	1435.577
20.5	1497.445	1505.020	1462.092	1436.840	1424.214
21.0	1488.607	1496.182	1453.254	1425.477	1412.851
21.5	1481.031	1487.344	1443.153	1414.113	1401.487
22.0	1472.193	1478.506	1433.052	1402.750	1388.861
22.5	1464.617	1469.668	1422.951	1391.386	1376.235
23.0	1455.779	1460.829	1411.588	1378.760	1364.872
23.5	1446.941	1450.729	1401.487	1367.397	1350.983
24.0	1436.840	1441.890	1391.386	1354.771	1338.357
24.5	1428.002	1431.790	1380.023	1342.145	1325.731
25.0	1417.901	1421.689	1368.660	1330.781	1313.105
25.5	1409.063	1410.325	1358.559	1318.155	1300.479
26.0	1397.699	1400.225	1345.933	1304.267	1287.853
26.5	1387.599	1388.861	1334.569	1291.641	1275.227

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CANDELA TABULATION - (Cont.)

27.0	1376.235	1378.760	1323.206	1280.277	1262.475
27.5	1366.134	1367.397	1310.580	1267.651	1249.470
28.0	1354.771	1356.033	1299.216	1253.889	1236.970
28.5	1343.407	1344.670	1286.590	1241.389	1224.218
29.0	1332.044	1332.044	1273.964	1228.763	1211.718
29.5	1318.155	1320.681	1261.086	1215.759	1198.208
30.0	1306.792	1308.055	1248.207	1203.385	1184.951
30.5	1295.429	1295.429	1234.824	1189.875	1171.694
31.0	1282.803	1282.803	1221.314	1176.870	1158.563
31.5	1270.177	1270.177	1207.804	1163.108	1144.422
32.0	1257.929	1257.172	1194.294	1149.219	1130.785
32.5	1245.430	1243.283	1180.532	1135.078	1117.402
33.0	1232.930	1229.900	1166.770	1120.937	1103.008
33.5	1220.178	1216.137	1152.881	1106.544	1089.372
34.0	1207.299	1202.249	1138.487	1092.150	1074.473
34.5	1194.294	1188.234	1124.725	1077.504	1060.080
35.0	1181.668	1174.471	1110.458	1062.605	1045.307
35.5	1168.411	1160.709	1096.064	1048.211	1029.904
36.0	1154.901	1146.315	1082.049	1033.060	1014.374
36.5	1142.401	1132.301	1067.529	1017.909	998.086
37.0	1128.639	1118.286	1052.630	1002.758	981.925
37.5	1115.003	1104.271	1037.984	987.480	965.890
38.0	1101.746	1090.003	1023.086	972.203	949.855
38.5	1087.983	1076.115	1008.439	956.420	936.471
39.0	1073.968	1062.100	994.046	941.900	923.340
39.5	1059.954	1048.211	979.526	929.653	908.063
40.0	1045.686	1034.449	964.880	915.765	893.164
40.5	1031.671	1020.560	950.739	900.866	878.770
41.0	1017.909	1006.924	939.628	886.472	864.882
41.5	1003.768	993.162	926.244	872.584	851.372
42.0	989.879	979.147	913.744	858.947	838.367
42.5	975.738	965.385	899.982	845.943	825.741
43.0	962.102	951.370	886.725	833.190	813.494
43.5	948.971	940.511	873.594	820.691	801.373
44.0	937.481	928.012	860.715	808.443	789.504
44.5	926.497	914.754	847.963	796.322	777.510
45.0	912.734	901.750	835.337	784.454	765.641
45.5	899.351	888.114	822.837	772.586	753.899
46.0	885.967	874.604	810.464	760.843	742.031
46.5	872.710	861.220	798.216	748.975	730.415
47.0	859.326	848.089	785.969	737.233	718.672
47.5	846.069	834.958	773.596	725.238	706.930
48.0	833.064	821.827	761.222	713.370	695.314
48.5	820.186	808.822	748.722	701.627	683.698
49.0	807.307	795.817	736.223	689.885	672.209
49.5	794.429	783.065	723.597	678.269	660.845
50.0	781.550	770.187	711.223	666.653	649.482
50.5	768.671	757.308	698.850	655.164	638.245
51.0	755.793	744.556	686.602	643.800	627.008
51.5	742.662	731.804	674.481	632.311	615.771
52.0	729.783	718.799	662.487	620.947	604.533
52.5	716.779	706.173	650.871	609.584	593.422
53.0	704.026	693.547	639.255	598.347	582.185
53.5	691.274	681.047	627.891	587.109	570.948
54.0	678.522	668.673	616.402	575.872	559.837
54.5	665.770	656.426	605.038	564.635	548.726

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CANDELA TABULATION - (Cont.)

55.0	653.144	644.179	593.801	553.524	537.742
55.5	640.770	632.058	582.564	542.540	526.883
56.0	628.523	619.811	571.327	531.808	516.151
56.5	616.402	607.690	560.090	521.075	505.798
57.0	604.533	595.695	548.726	510.470	495.571
57.5	592.665	583.953	537.489	499.990	485.470
58.0	581.049	572.337	526.252	489.510	475.496
58.5	569.433	560.721	515.141	479.157	465.521
59.0	557.817	549.231	504.283	468.930	455.673
59.5	546.327	537.742	493.298	458.955	445.951
60.0	535.090	526.252	482.440	449.107	436.355
60.5	523.727	514.889	471.834	439.259	426.633
61.0	512.490	503.652	461.354	429.537	417.163
61.5	501.126	492.667	450.875	419.815	407.820
62.0	489.889	481.682	440.521	410.345	398.729
62.5	478.652	470.824	430.294	401.002	389.512
63.0	467.541	459.839	420.194	391.659	380.422
63.5	456.430	448.855	410.219	382.316	371.457
64.0	445.319	437.870	400.245	373.225	362.493
64.5	434.208	426.885	390.396	364.008	353.528
65.0	423.098	416.027	380.548	354.917	344.564
65.5	412.113	405.295	370.826	345.700	335.726
66.0	401.128	394.563	361.104	336.609	327.392
66.5	390.144	383.957	351.382	327.519	318.554
67.0	379.412	373.099	341.660	318.428	309.842
67.5	368.553	362.366	331.938	309.464	301.004
68.0	357.695	351.634	322.342	300.499	292.418
68.5	346.963	341.029	312.620	291.661	283.833
69.0	336.231	330.549	303.024	282.949	275.373
69.5	325.372	320.069	293.428	274.237	266.914
70.0	314.893	309.590	284.085	265.651	258.707
70.5	304.413	299.236	274.742	257.192	250.500
71.0	293.934	288.757	265.525	248.732	242.419
71.5	283.706	278.656	256.308	240.525	234.465
72.0	273.479	268.555	247.217	232.319	226.637
72.5	263.379	258.707	238.379	224.238	218.935
73.0	253.278	248.859	229.667	216.284	211.233
73.5	243.177	239.137	220.955	208.329	203.658
74.0	233.202	229.415	212.369	200.501	196.208
74.5	223.354	219.819	204.036	192.925	188.885
75.0	213.632	210.476	195.703	185.350	181.688
75.5	204.036	201.132	187.496	177.900	174.618
76.0	194.441	192.168	179.289	170.451	167.547
76.5	185.097	183.077	171.335	163.128	160.603
77.0	175.754	174.239	163.381	156.057	153.785
77.5	166.663	165.401	155.805	148.987	146.967
78.0	157.699	156.815	148.229	142.169	140.275
78.5	148.861	148.356	140.780	135.351	133.709
79.0	140.275	140.022	133.583	128.785	127.270
79.5	131.689	132.068	126.386	122.220	120.957
80.0	123.482	124.240	119.190	115.654	114.644
80.5	115.402	116.538	112.371	109.341	108.457
81.0	107.574	108.962	105.680	103.028	102.397
81.5	99.872	101.639	98.862	96.841	96.336
82.0	92.422	94.316	92.422	90.781	90.528
82.5	85.099	87.246	85.857	84.847	84.594

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CANDELA TABULATION - (Cont.)

83.0	78.155	80.301	79.544	79.039	78.913
83.5	71.211	73.610	73.357	73.231	73.231
84.0	64.645	67.170	67.297	67.549	67.802
84.5	58.206	60.857	61.489	62.120	62.372
85.0	51.893	54.671	55.807	56.691	57.070
85.5	45.959	48.736	50.252	51.388	52.019
86.0	40.151	42.928	44.822	46.211	46.842
86.5	34.595	37.499	39.519	41.161	42.045
87.0	29.166	32.070	34.343	36.237	37.247
87.5	23.863	26.893	29.419	31.439	32.449
88.0	18.686	21.843	24.494	26.641	27.903
88.5	13.636	16.793	19.570	22.096	23.484
89.0	8.459	11.616	14.520	16.793	18.181
89.5	3.409	6.313	8.207	9.217	10.101
90.0	0.758	2.904	4.419	5.682	6.187
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-5-00-L8-835-F-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-5-00-L8-835-F-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-5-00-L8-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	595.52	N.A.	15.80
0-30	1225.91	N.A.	32.60
0-40	1921.82	N.A.	51.10
0-60	3104.73	N.A.	82.60
0-80	3695.15	N.A.	98.30
0-90	3757.95	N.A.	100.00
10-90	3601.19	N.A.	95.80
20-40	1326.3	N.A.	35.30
20-50	1974.68	N.A.	52.50
40-70	1563.29	N.A.	41.60
60-80	590.42	N.A.	15.70
70-80	210.03	N.A.	5.60
80-90	62.81	N.A.	1.70
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3758.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.76
10-20	438.76
20-30	630.39
30-40	695.91
40-50	648.38
50-60	534.53
60-70	380.39
70-80	210.03
80-90	62.81
90-100	0.11
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-5-00-L8-835-F-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	91	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

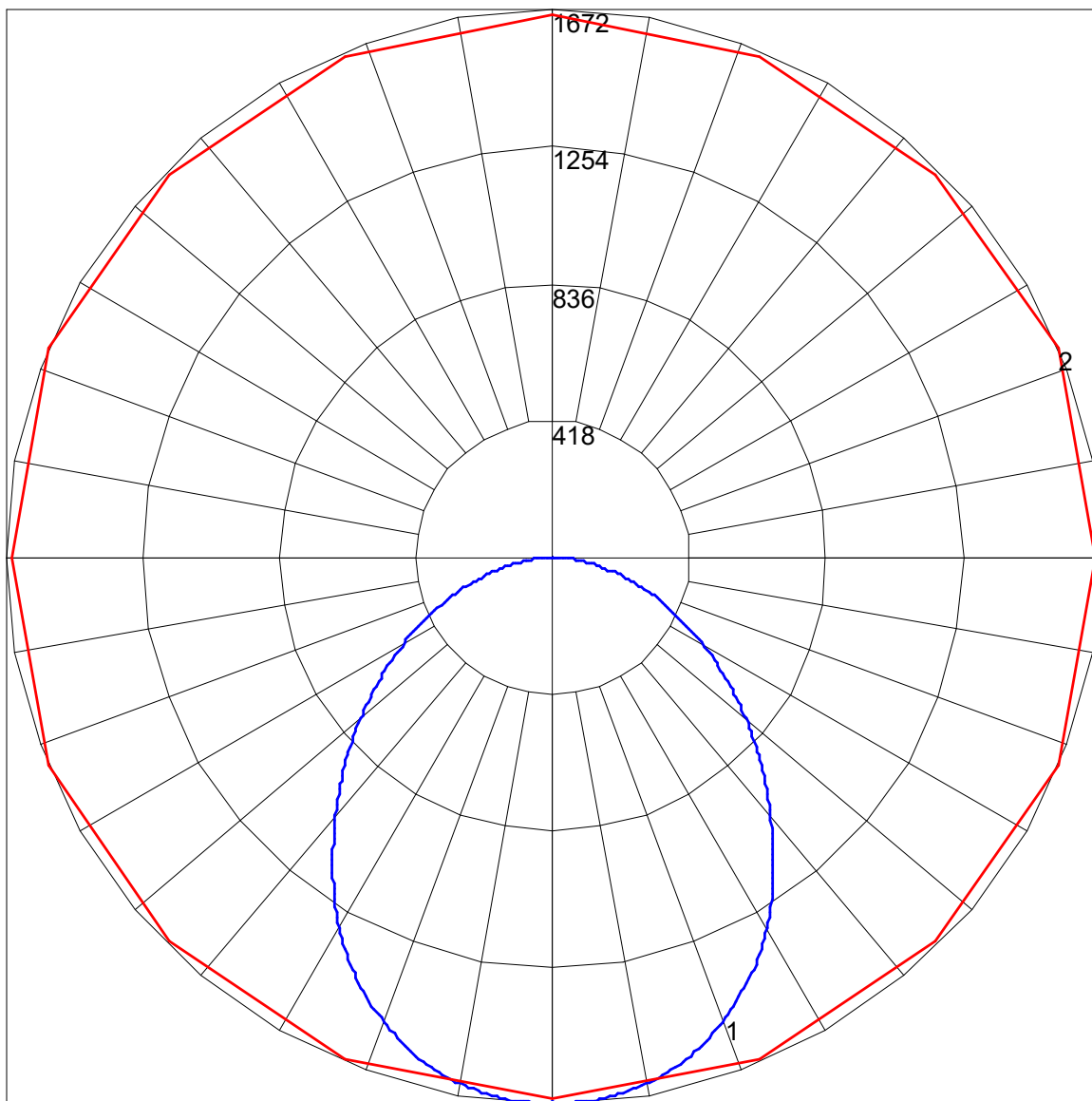
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-5-00-L8-835-F-DIM-UNV_.IES

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	21.2	22.8	21.6	23.1	23.4	20.1	21.7	20.4	22.0	22.3
	3H	22.9	24.3	23.3	24.6	25.0	21.7	23.1	22.1	23.4	23.8
	4H	23.5	24.8	23.9	25.1	25.5	22.3	23.6	22.7	24.0	24.4
	6H	23.9	25.1	24.3	25.5	25.9	22.8	24.0	23.2	24.4	24.8
	8H	24.0	25.2	24.4	25.6	26.0	22.9	24.1	23.4	24.5	24.9
	12H	24.1	25.2	24.5	25.6	26.0	23.1	24.2	23.5	24.6	25.0
4H	2H	21.7	23.0	22.1	23.4	23.7	20.8	22.1	21.2	22.4	22.8
	3H	23.6	24.7	24.0	25.1	25.5	22.6	23.7	23.0	24.1	24.5
	4H	24.3	25.3	24.7	25.7	26.1	23.3	24.3	23.7	24.7	25.2
	6H	24.8	25.7	25.3	26.1	26.6	23.9	24.8	24.4	25.2	25.7
	8H	25.0	25.8	25.5	26.3	26.7	24.1	24.9	24.6	25.4	25.8
	12H	25.1	25.9	25.6	26.3	26.8	24.3	25.0	24.8	25.5	26.0
8H	4H	24.5	25.3	25.0	25.8	26.2	23.6	24.4	24.1	24.9	25.4
	6H	25.2	25.8	25.7	26.3	26.8	24.3	25.0	24.8	25.5	26.0
	8H	25.4	26.0	25.9	26.5	27.0	24.7	25.3	25.2	25.8	26.3
	12H	25.6	26.1	26.1	26.6	27.2	24.9	25.5	25.4	25.9	26.5
12H	4H	24.5	25.3	25.0	25.7	26.2	23.7	24.4	24.2	24.9	25.3
	6H	25.2	25.8	25.7	26.3	26.8	24.4	25.0	24.9	25.5	26.0
	8H	25.5	26.0	26.0	26.5	27.1	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1671.684 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.)