

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-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] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] MX2D-4-00-L8-835-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs
[BALLAST] One Philips Advance XI040C110V054BST1 Driver

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	26.8
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	16800	15376	14093
55	14821	13474	12202
65	13030	11720	10612
75	10743	9842	9137
85	7749	8334	8523

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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	1329.267	1329.267	1329.267	1329.267	1329.267
0.5	1327.247	1337.347	1326.236	1326.236	1324.216
1.0	1326.236	1337.347	1326.236	1326.236	1324.216
1.5	1326.236	1336.337	1326.236	1326.236	1324.216
2.0	1326.236	1336.337	1325.226	1326.236	1324.216
2.5	1325.226	1335.327	1325.226	1326.236	1324.216
3.0	1324.216	1335.327	1324.216	1326.236	1323.206
3.5	1323.206	1334.317	1323.206	1325.226	1322.196
4.0	1322.196	1333.307	1322.196	1324.216	1321.186
4.5	1321.186	1332.297	1320.176	1323.206	1320.176
5.0	1319.166	1330.277	1319.166	1322.196	1318.156
5.5	1318.156	1329.267	1317.146	1320.176	1317.146
6.0	1316.136	1327.247	1316.136	1318.156	1315.126
6.5	1314.115	1325.226	1314.115	1315.126	1312.095
7.0	1312.095	1323.206	1312.095	1312.095	1309.065
7.5	1310.075	1321.186	1310.075	1309.065	1306.035
8.0	1308.055	1319.166	1307.045	1305.025	1303.005
8.5	1305.025	1316.136	1305.025	1301.994	1298.964
9.0	1301.994	1314.115	1301.994	1297.954	1294.924
9.5	1299.974	1311.085	1298.964	1293.914	1289.874
10.0	1296.944	1308.055	1294.924	1288.863	1284.823
10.5	1293.914	1305.025	1291.894	1284.823	1279.773
11.0	1290.884	1301.994	1286.843	1279.773	1273.712
11.5	1286.843	1297.954	1282.803	1274.722	1268.662
12.0	1283.813	1294.924	1278.763	1269.672	1262.601
12.5	1279.773	1290.884	1273.712	1263.611	1256.541
13.0	1275.732	1286.843	1268.662	1258.561	1250.480
13.5	1271.692	1282.803	1263.611	1252.501	1245.430
14.0	1267.652	1278.763	1258.561	1246.440	1238.359
14.5	1262.601	1273.712	1252.501	1240.380	1231.289
15.0	1257.551	1268.662	1246.440	1233.309	1225.228
15.5	1253.511	1264.621	1240.380	1226.238	1218.158
16.0	1248.460	1258.561	1234.319	1220.178	1211.087
16.5	1243.410	1253.511	1228.259	1213.107	1204.017
17.0	1238.359	1247.450	1221.188	1205.027	1195.936
17.5	1233.309	1242.400	1214.117	1197.956	1188.865
18.0	1227.248	1236.339	1207.047	1189.875	1180.785
18.5	1222.198	1230.279	1199.976	1182.805	1172.704
19.0	1216.138	1224.218	1192.906	1174.724	1164.623
19.5	1210.077	1217.148	1185.835	1166.644	1156.543
20.0	1204.017	1211.087	1177.755	1158.563	1148.462
20.5	1197.956	1204.017	1169.674	1149.472	1139.371
21.0	1190.886	1196.946	1162.603	1140.382	1130.281
21.5	1184.825	1189.875	1154.523	1131.291	1121.190
22.0	1177.755	1182.805	1146.442	1122.200	1111.089
22.5	1171.694	1175.734	1138.361	1113.109	1100.988
23.0	1164.623	1168.664	1129.271	1103.009	1091.898
23.5	1157.553	1160.583	1121.190	1093.918	1080.787
24.0	1149.472	1153.513	1113.109	1083.817	1070.686
24.5	1142.402	1145.432	1104.019	1073.716	1060.585
25.0	1134.321	1137.351	1094.928	1064.625	1050.484
25.5	1127.250	1128.261	1086.847	1054.525	1040.383
26.0	1118.160	1120.180	1076.746	1043.414	1030.283
26.5	1110.079	1111.089	1067.656	1033.313	1020.182

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CANDELA TABULATION - (Cont.)

27.0	1100.988	1103.009	1058.565	1024.222	1009.980
27.5	1092.908	1093.918	1048.464	1014.121	999.576
28.0	1083.817	1084.827	1039.373	1003.111	989.576
28.5	1074.726	1075.736	1029.273	993.112	979.375
29.0	1065.636	1065.636	1019.172	983.011	969.375
29.5	1054.525	1056.545	1008.869	972.607	958.567
30.0	1045.434	1046.444	998.566	962.708	947.961
30.5	1036.343	1036.343	987.859	951.900	937.355
31.0	1026.242	1026.242	977.051	941.497	926.850
31.5	1016.142	1016.142	966.244	930.487	915.537
32.0	1006.344	1005.738	955.436	919.376	904.629
32.5	996.344	994.627	944.426	908.063	893.922
33.0	986.344	983.920	933.416	896.750	882.407
33.5	976.142	972.910	922.305	885.235	871.498
34.0	965.840	961.799	910.790	873.720	859.579
34.5	955.436	950.587	899.780	862.003	848.064
35.0	945.335	939.577	888.366	850.084	836.246
35.5	934.729	928.568	876.851	838.569	823.923
36.0	923.921	917.053	865.639	826.448	811.499
36.5	913.921	905.841	854.024	814.327	798.469
37.0	902.911	894.629	842.105	802.206	785.540
37.5	892.003	883.417	830.388	789.984	772.712
38.0	881.397	872.003	818.469	777.762	759.884
38.5	870.387	860.892	806.752	765.136	749.177
39.0	859.175	849.680	795.237	753.520	738.672
39.5	847.963	838.569	783.621	743.723	726.450
40.0	836.549	827.559	771.904	732.612	714.531
40.5	825.337	816.449	760.591	720.693	703.016
41.0	814.327	805.540	751.702	709.178	691.906
41.5	803.014	794.530	740.995	698.067	681.098
42.0	791.904	783.318	730.996	687.158	670.694
42.5	780.591	772.308	719.986	676.754	660.593
43.0	769.682	761.096	709.380	666.552	650.795
43.5	759.177	752.409	698.875	656.553	641.098
44.0	749.985	742.410	688.572	646.755	631.604
44.5	741.197	731.804	678.370	637.058	622.008
45.0	730.188	721.400	668.270	627.563	612.513
45.5	719.481	710.491	658.270	618.069	603.119
46.0	708.774	699.683	648.371	608.675	593.625
46.5	698.168	688.976	638.573	599.180	584.332
47.0	687.461	678.471	628.775	589.786	574.938
47.5	676.855	667.967	618.877	580.191	565.544
48.0	666.451	657.462	608.978	570.696	556.252
48.5	656.149	647.058	598.978	561.302	546.959
49.0	645.846	636.654	588.978	551.908	537.767
49.5	635.543	626.452	578.877	542.616	528.676
50.0	625.240	616.149	568.979	533.323	519.586
50.5	614.937	605.847	559.080	524.131	510.596
51.0	604.635	595.645	549.282	515.040	501.606
51.5	594.130	585.443	539.585	505.849	492.617
52.0	583.827	575.039	529.990	496.758	483.627
52.5	573.423	564.938	520.697	487.667	474.738
53.0	563.221	554.838	511.404	478.677	465.748
53.5	553.019	544.838	502.313	469.688	456.759
54.0	542.818	534.939	493.122	460.698	447.870
54.5	532.616	525.141	484.031	451.708	438.981

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CANDELA TABULATION - (Cont.)

55.0	522.515	515.343	475.041	442.820	430.194
55.5	512.616	505.647	466.051	434.032	421.507
56.0	502.818	495.849	457.062	425.446	412.921
56.5	493.122	486.152	448.072	416.860	404.638
57.0	483.627	476.556	438.981	408.376	396.457
57.5	474.132	467.162	429.992	399.992	388.376
58.0	464.839	457.870	421.002	391.608	380.397
58.5	455.547	448.577	412.113	383.326	372.417
59.0	446.254	439.385	403.426	375.144	364.538
59.5	437.062	430.194	394.639	367.164	356.761
60.0	428.072	421.002	385.952	359.286	349.084
60.5	418.982	411.911	377.467	351.407	341.306
61.0	409.992	402.921	369.084	343.630	333.731
61.5	400.901	394.134	360.700	335.852	326.256
62.0	391.911	385.346	352.417	328.276	318.984
62.5	382.922	376.659	344.236	320.802	311.610
63.0	374.033	367.872	336.155	313.327	304.337
63.5	365.144	359.084	328.175	305.853	297.166
64.0	356.256	350.296	320.196	298.580	289.994
64.5	347.367	341.508	312.317	291.206	282.823
65.0	338.478	332.822	304.438	283.934	275.651
65.5	329.690	324.236	296.661	276.560	268.581
66.0	320.903	315.650	288.883	269.288	261.914
66.5	312.115	307.166	281.106	262.015	254.843
67.0	303.529	298.479	273.328	254.742	247.874
67.5	294.843	289.893	265.550	247.571	240.803
68.0	286.156	281.308	257.874	240.399	233.935
68.5	277.570	272.823	250.096	233.329	227.066
69.0	268.985	264.439	242.419	226.359	220.299
69.5	260.298	256.056	234.743	219.390	213.531
70.0	251.914	247.672	227.268	212.521	206.966
70.5	243.531	239.389	219.794	205.754	200.400
71.0	235.147	231.006	212.420	198.986	193.936
71.5	226.965	222.925	205.046	192.420	187.572
72.0	218.784	214.844	197.774	185.855	181.310
72.5	210.703	206.966	190.703	179.390	175.148
73.0	202.622	199.087	183.734	173.027	168.987
73.5	194.542	191.309	176.764	166.663	162.926
74.0	186.562	183.532	169.896	160.401	156.967
74.5	178.683	175.855	163.229	154.340	151.108
75.0	170.906	168.381	156.563	148.280	145.351
75.5	163.229	160.906	149.997	142.320	139.694
76.0	155.552	153.734	143.432	136.361	134.038
76.5	148.078	146.462	137.068	130.502	128.482
77.0	140.603	139.391	130.704	124.846	123.028
77.5	133.331	132.321	124.644	119.190	117.573
78.0	126.159	125.452	118.584	113.735	112.220
78.5	119.089	118.685	112.624	108.281	106.968
79.0	112.220	112.018	106.867	103.028	101.816
79.5	105.351	105.654	101.109	97.776	96.766
80.0	98.786	99.392	95.352	92.523	91.715
80.5	92.321	93.230	89.897	87.473	86.766
81.0	86.059	87.170	84.544	82.423	81.918
81.5	79.897	81.312	79.089	77.473	77.069
82.0	73.938	75.453	73.938	72.625	72.423
82.5	68.079	69.797	68.686	67.877	67.675

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CANDELA TABULATION - (Cont.)

83.0	62.524	64.241	63.635	63.231	63.130
83.5	56.969	58.888	58.686	58.585	58.585
84.0	51.716	53.736	53.837	54.039	54.241
84.5	46.565	48.686	49.191	49.696	49.898
85.0	41.514	43.737	44.646	45.353	45.656
85.5	36.767	38.989	40.201	41.110	41.615
86.0	32.121	34.343	35.858	36.969	37.474
86.5	27.676	29.999	31.616	32.929	33.636
87.0	23.333	25.656	27.474	28.989	29.797
87.5	19.091	21.515	23.535	25.151	25.959
88.0	14.949	17.474	19.596	21.313	22.323
88.5	10.909	13.434	15.656	17.676	18.788
89.0	6.768	9.293	11.616	13.434	14.545
89.5	2.727	5.050	6.566	7.374	8.081
90.0	0.606	2.323	3.535	4.545	4.949
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-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-4-00-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-4-00-L8-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	476.42	N.A.	15.80
0-30	980.73	N.A.	32.60
0-40	1537.46	N.A.	51.10
0-60	2483.78	N.A.	82.60
0-80	2956.12	N.A.	98.30
0-90	3006.36	N.A.	100.00
10-90	2880.95	N.A.	95.80
20-40	1061.04	N.A.	35.30
20-50	1579.74	N.A.	52.50
40-70	1250.64	N.A.	41.60
60-80	472.34	N.A.	15.70
70-80	168.02	N.A.	5.60
80-90	50.25	N.A.	1.70
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.09	N.A.	0.00
90-180	0.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3006.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.41
10-20	351.01
20-30	504.31
30-40	556.73
40-50	518.70
50-60	427.62
60-70	304.31
70-80	168.02
80-90	50.25
90-100	0.09
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-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	71	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-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

X=2H	Y=2H	21.2	22.8	21.6	23.1	23.4	20.1	21.7	20.5	22.0	22.3
	3H	22.9	24.3	23.3	24.6	25.0	21.7	23.1	22.1	23.5	23.8
	4H	23.5	24.8	23.9	25.2	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	23.0	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

UGR Viewed Endwise

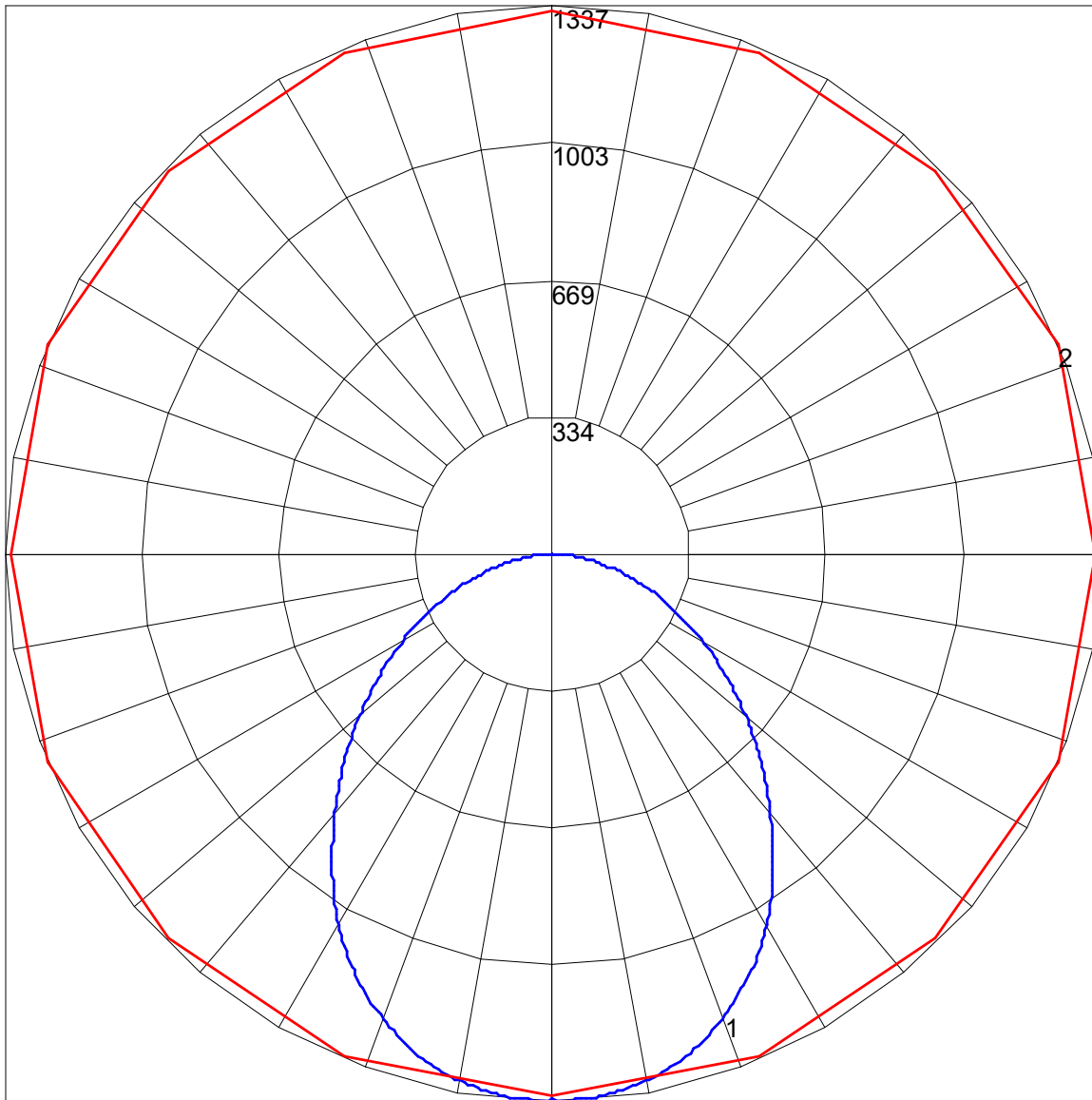
4H	2H	21.7	23.0	22.1	23.4	23.7	20.8	22.1	21.2	22.5	22.8
	3H	23.6	24.7	24.0	25.1	25.5	22.6	23.7	23.0	24.1	24.5
	4H	24.3	25.3	24.7	25.7	26.1	23.3	24.3	23.7	24.7	25.2
	6H	24.8	25.7	25.3	26.2	26.6	23.9	24.8	24.4	25.2	25.7
	8H	25.0	25.8	25.5	26.3	26.7	24.1	24.9	24.6	25.4	25.9
	12H	25.1	25.9	25.6	26.3	26.8	24.3	25.0	24.8	25.5	26.0

8H	4H	24.5	25.3	25.0	25.8	26.2	23.6	24.5	24.1	24.9	25.4
	6H	25.2	25.9	25.7	26.3	26.8	24.4	25.0	24.9	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	26.2	26.1	26.7	27.2	24.9	25.5	25.4	26.0	26.5

12H	4H	24.5	25.3	25.0	25.7	26.2	23.7	24.4	24.2	24.9	25.4
	6H	25.2	25.8	25.7	26.3	26.8	24.4	25.1	25.0	25.5	26.1
	8H	25.5	26.1	26.0	26.5	27.1	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1337.347 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.)