



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-P8-835-F-POE X.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 12/5/2019
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2D-4'00-P8-835-F-POE x
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] 144 White LEDs
 [OTHER] 24.6 C, 119.988 V
 [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	3104
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	25.2
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	17348	15877	14552
55	15304	13914	12600
65	13455	12102	10958
75	11093	10162	9435
85	8002	8606	8800

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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	1372.602	1372.602	1372.602	1372.602	1372.602
0.5	1370.516	1380.946	1369.473	1369.473	1367.387
1.0	1369.473	1380.946	1369.473	1369.473	1367.387
1.5	1369.473	1379.903	1369.473	1369.473	1367.387
2.0	1369.473	1379.903	1368.430	1369.473	1367.387
2.5	1368.430	1378.860	1368.430	1369.473	1367.387
3.0	1367.387	1378.860	1367.387	1369.473	1366.344
3.5	1366.344	1377.817	1366.344	1368.430	1365.301
4.0	1365.301	1376.774	1365.301	1367.387	1364.258
4.5	1364.258	1375.731	1363.215	1366.344	1363.215
5.0	1362.172	1373.645	1362.172	1365.301	1361.129
5.5	1361.129	1372.602	1360.086	1363.215	1360.086
6.0	1359.043	1370.516	1359.043	1361.129	1358.000
6.5	1356.957	1368.430	1356.957	1358.000	1354.871
7.0	1354.871	1366.344	1354.871	1354.871	1351.742
7.5	1352.785	1364.258	1352.785	1351.742	1348.613
8.0	1350.699	1362.172	1349.656	1347.570	1345.484
8.5	1347.570	1359.043	1347.570	1344.441	1341.312
9.0	1344.441	1356.957	1344.441	1340.269	1337.140
9.5	1342.355	1353.828	1341.312	1336.097	1331.925
10.0	1339.226	1350.699	1337.140	1330.882	1326.710
10.5	1336.097	1347.570	1334.011	1326.710	1321.495
11.0	1332.968	1344.441	1328.796	1321.495	1315.237
11.5	1328.796	1340.269	1324.624	1316.280	1310.022
12.0	1325.667	1337.140	1320.452	1311.065	1303.764
12.5	1321.495	1332.968	1315.237	1304.807	1297.506
13.0	1317.323	1328.796	1310.022	1299.592	1291.248
13.5	1313.151	1324.624	1304.807	1293.334	1286.033
14.0	1308.979	1320.452	1299.592	1287.076	1278.731
14.5	1303.764	1315.237	1293.334	1280.817	1271.430
15.0	1298.549	1310.022	1287.076	1273.516	1265.172
15.5	1294.377	1305.850	1280.817	1266.215	1257.871
16.0	1289.162	1299.592	1274.559	1259.957	1250.570
16.5	1283.946	1294.377	1268.301	1252.656	1243.269
17.0	1278.731	1288.119	1261.000	1244.312	1234.925
17.5	1273.516	1282.903	1253.699	1237.011	1227.624
18.0	1267.258	1276.645	1246.398	1228.667	1219.280
18.5	1262.043	1270.387	1239.097	1221.366	1210.936
19.0	1255.785	1264.129	1231.796	1213.022	1202.592
19.5	1249.527	1256.828	1224.495	1204.678	1194.248
20.0	1243.269	1250.570	1216.151	1196.334	1185.903
20.5	1237.011	1243.269	1207.807	1186.946	1176.516
21.0	1229.710	1235.968	1200.506	1177.559	1167.129
21.5	1223.452	1228.667	1192.162	1168.172	1157.742
22.0	1216.151	1221.366	1183.817	1158.785	1147.312
22.5	1209.893	1214.065	1175.473	1149.398	1136.882
23.0	1202.592	1206.764	1166.086	1138.968	1127.495
23.5	1195.291	1198.420	1157.742	1129.581	1116.022
24.0	1186.946	1191.119	1149.398	1119.151	1105.592
24.5	1179.645	1182.774	1140.011	1108.721	1095.161
25.0	1171.301	1174.430	1130.624	1099.334	1084.731
25.5	1164.000	1165.043	1122.280	1088.903	1074.301
26.0	1154.613	1156.699	1111.850	1077.430	1063.871
26.5	1146.269	1147.312	1102.463	1067.000	1053.441

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CANDELA TABULATION - (Cont.)

27.0	1136.882	1138.968	1093.075	1057.613	1042.907
27.5	1128.538	1129.581	1082.645	1047.183	1032.164
28.0	1119.151	1120.194	1073.258	1035.814	1021.838
28.5	1109.764	1110.807	1062.828	1025.488	1011.303
29.0	1100.377	1100.377	1052.398	1015.058	1000.978
29.5	1088.903	1090.989	1041.759	1004.315	989.817
30.0	1079.516	1080.559	1031.121	994.094	978.866
30.5	1070.129	1070.129	1020.065	982.934	967.914
31.0	1059.699	1059.699	1008.904	972.191	957.067
31.5	1049.269	1049.269	997.744	960.822	945.385
32.0	1039.152	1038.526	986.584	949.349	934.121
32.5	1028.826	1027.053	975.215	937.667	923.065
33.0	1018.500	1015.997	963.846	925.985	911.174
33.5	1007.966	1004.628	952.373	914.095	899.910
34.0	997.327	993.155	940.483	902.204	887.602
34.5	986.584	981.578	929.114	890.106	875.712
35.0	976.154	970.209	917.328	877.798	863.509
35.5	965.202	958.840	905.438	865.908	850.784
36.0	954.042	946.950	893.860	853.392	837.955
36.5	943.716	935.372	881.866	840.875	824.500
37.0	932.347	923.795	869.558	828.359	811.150
37.5	921.083	912.217	857.459	815.739	797.903
38.0	910.131	900.431	845.152	803.118	784.657
38.5	898.763	888.958	833.053	790.081	773.601
39.0	887.185	877.381	821.163	778.086	762.754
39.5	875.608	865.908	809.168	767.969	750.133
40.0	863.822	854.539	797.069	756.496	737.826
40.5	852.244	843.066	785.387	744.188	725.936
41.0	840.875	831.801	776.209	732.298	714.463
41.5	829.194	820.432	765.153	720.825	703.302
42.0	817.721	808.855	754.827	709.560	692.559
42.5	806.039	797.486	743.458	698.817	682.129
43.0	794.774	785.909	732.507	688.283	672.012
43.5	783.927	776.939	721.659	677.957	661.999
44.0	774.436	766.613	711.021	667.840	652.195
44.5	765.361	755.661	700.486	657.827	642.286
45.0	753.993	744.918	690.056	648.023	632.482
45.5	742.937	733.654	679.730	638.218	622.782
46.0	731.881	722.494	669.509	628.518	612.978
46.5	720.929	711.438	659.392	618.714	603.382
47.0	709.873	700.590	649.274	609.014	593.682
47.5	698.922	689.743	639.053	599.105	583.982
48.0	688.179	678.896	628.831	589.301	574.386
48.5	677.540	668.153	618.505	579.601	564.790
49.0	666.901	657.410	608.180	569.901	555.299
49.5	656.262	646.875	597.750	560.305	545.912
50.0	645.624	636.237	587.528	550.710	536.525
50.5	634.985	625.598	577.307	541.218	527.242
51.0	624.346	615.064	567.189	531.831	517.959
51.5	613.499	604.529	557.176	522.340	508.676
52.0	602.860	593.786	547.268	512.953	499.394
52.5	592.117	583.356	537.672	503.566	490.215
53.0	581.583	572.926	528.076	494.283	480.932
53.5	571.048	562.600	518.689	485.000	471.650
54.0	560.514	552.379	509.198	475.717	462.471
54.5	549.980	542.261	499.811	466.434	453.293

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CANDELA TABULATION - (Cont.)

55.0	539.550	532.144	490.528	457.256	444.218
55.5	529.328	522.131	481.245	448.182	435.248
56.0	519.211	512.014	471.962	439.316	426.383
56.5	509.198	502.001	462.680	430.451	417.830
57.0	499.394	492.093	453.293	421.689	409.382
57.5	489.589	482.393	444.010	413.032	401.038
58.0	479.994	472.797	434.727	404.375	392.798
58.5	470.398	463.201	425.548	395.823	384.558
59.0	460.802	453.710	416.579	387.374	376.423
59.5	451.311	444.218	407.504	379.134	368.391
60.0	442.028	434.727	398.534	370.999	360.465
60.5	432.641	425.340	389.773	362.864	352.433
61.0	423.358	416.057	381.116	354.832	344.611
61.5	413.971	406.983	372.459	346.801	336.893
62.0	404.688	397.909	363.907	338.979	329.383
62.5	395.405	388.939	355.458	331.260	321.769
63.0	386.227	379.865	347.114	323.542	314.259
63.5	377.048	370.790	338.874	315.824	306.854
64.0	367.870	361.716	330.634	308.314	299.448
64.5	358.691	352.642	322.499	300.700	292.043
65.0	349.513	343.672	314.364	293.190	284.638
65.5	340.439	334.807	306.332	285.576	277.337
66.0	331.365	325.941	298.301	278.067	270.453
66.5	322.290	317.180	290.270	270.557	263.152
67.0	313.425	308.210	282.239	263.047	255.955
67.5	304.455	299.344	274.208	255.642	248.654
68.0	295.485	290.479	266.281	248.237	241.561
68.5	286.619	281.717	258.250	240.936	234.469
69.0	277.754	273.060	250.323	233.739	227.481
69.5	268.784	264.403	242.396	226.542	220.493
70.0	260.127	255.746	234.677	219.450	213.713
70.5	251.470	247.194	226.959	212.461	206.933
71.0	242.813	238.537	219.345	205.473	200.258
71.5	234.365	230.193	211.731	198.694	193.687
72.0	225.916	221.848	204.222	191.914	187.220
72.5	217.572	213.713	196.920	185.239	180.858
73.0	209.228	205.577	189.724	178.668	174.496
73.5	200.884	197.546	182.527	172.097	168.238
74.0	192.644	189.515	175.434	165.630	162.084
74.5	184.509	181.588	168.551	159.372	156.034
75.0	176.477	173.870	161.667	153.114	150.089
75.5	168.551	166.152	154.887	146.960	144.248
76.0	160.624	158.746	148.108	140.806	138.408
76.5	152.905	151.237	141.537	134.757	132.671
77.0	145.187	143.936	134.966	128.916	127.039
77.5	137.677	136.634	128.708	123.075	121.406
78.0	130.272	129.542	122.449	117.443	115.879
78.5	122.971	122.554	116.296	111.811	110.455
79.0	115.879	115.670	110.351	106.387	105.136
79.5	108.786	109.099	104.405	100.963	99.920
80.0	102.006	102.632	98.460	95.540	94.705
80.5	95.331	96.270	92.828	90.325	89.595
81.0	88.865	90.012	87.300	85.110	84.588
81.5	82.502	83.962	81.668	79.999	79.582
82.0	76.348	77.913	76.348	74.992	74.784
82.5	70.299	72.072	70.925	70.090	69.882

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CANDELA TABULATION - (Cont.)

83.0	64.562	66.335	65.710	65.292	65.188
83.5	58.826	60.808	60.599	60.495	60.495
84.0	53.402	55.488	55.592	55.801	56.010
84.5	48.083	50.273	50.795	51.316	51.525
85.0	42.868	45.162	46.101	46.831	47.144
85.5	37.966	40.260	41.512	42.451	42.972
86.0	33.168	35.462	37.027	38.174	38.696
86.5	28.579	30.977	32.646	34.002	34.732
87.0	24.094	26.492	28.370	29.934	30.769
87.5	19.713	22.216	24.302	25.971	26.805
88.0	15.437	18.044	20.234	22.008	23.051
88.5	11.265	13.872	16.167	18.253	19.400
89.0	6.988	9.596	11.995	13.872	15.019
89.5	2.816	5.215	6.780	7.614	8.344
90.0	0.626	2.399	3.651	4.694	5.111
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-P8-835-F-POE X.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-P8-835-F-POE X.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-P8-835-F-POE X.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	491.95	N.A.	15.80
0-30	1012.7	N.A.	32.60
0-40	1587.58	N.A.	51.10
0-60	2564.76	N.A.	82.60
0-80	3052.49	N.A.	98.30
0-90	3104.37	N.A.	100.00
10-90	2974.88	N.A.	95.80
20-40	1095.63	N.A.	35.30
20-50	1631.25	N.A.	52.50
40-70	1291.41	N.A.	41.60
60-80	487.73	N.A.	15.70
70-80	173.50	N.A.	5.60
80-90	51.88	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	3104.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.50
10-20	362.45
20-30	520.75
30-40	574.88
40-50	535.61
50-60	441.56
60-70	314.23
70-80	173.50
80-90	51.88
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-P8-835-F-POE X.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-P8-835-F-POE X.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	21.3	22.9	21.7	23.2	23.5	20.2	21.8	20.6	22.1	22.4
	3H	23.0	24.4	23.4	24.7	25.1	21.8	23.2	22.2	23.6	23.9
	4H	23.6	24.9	24.0	25.3	25.6	22.4	23.7	22.8	24.1	24.5
	6H	24.0	25.2	24.4	25.6	26.0	22.9	24.1	23.3	24.5	24.9
	8H	24.1	25.3	24.5	25.7	26.1	23.1	24.2	23.5	24.6	25.0
	12H	24.2	25.3	24.6	25.7	26.1	23.2	24.3	23.6	24.7	25.1

UGR Viewed Endwise

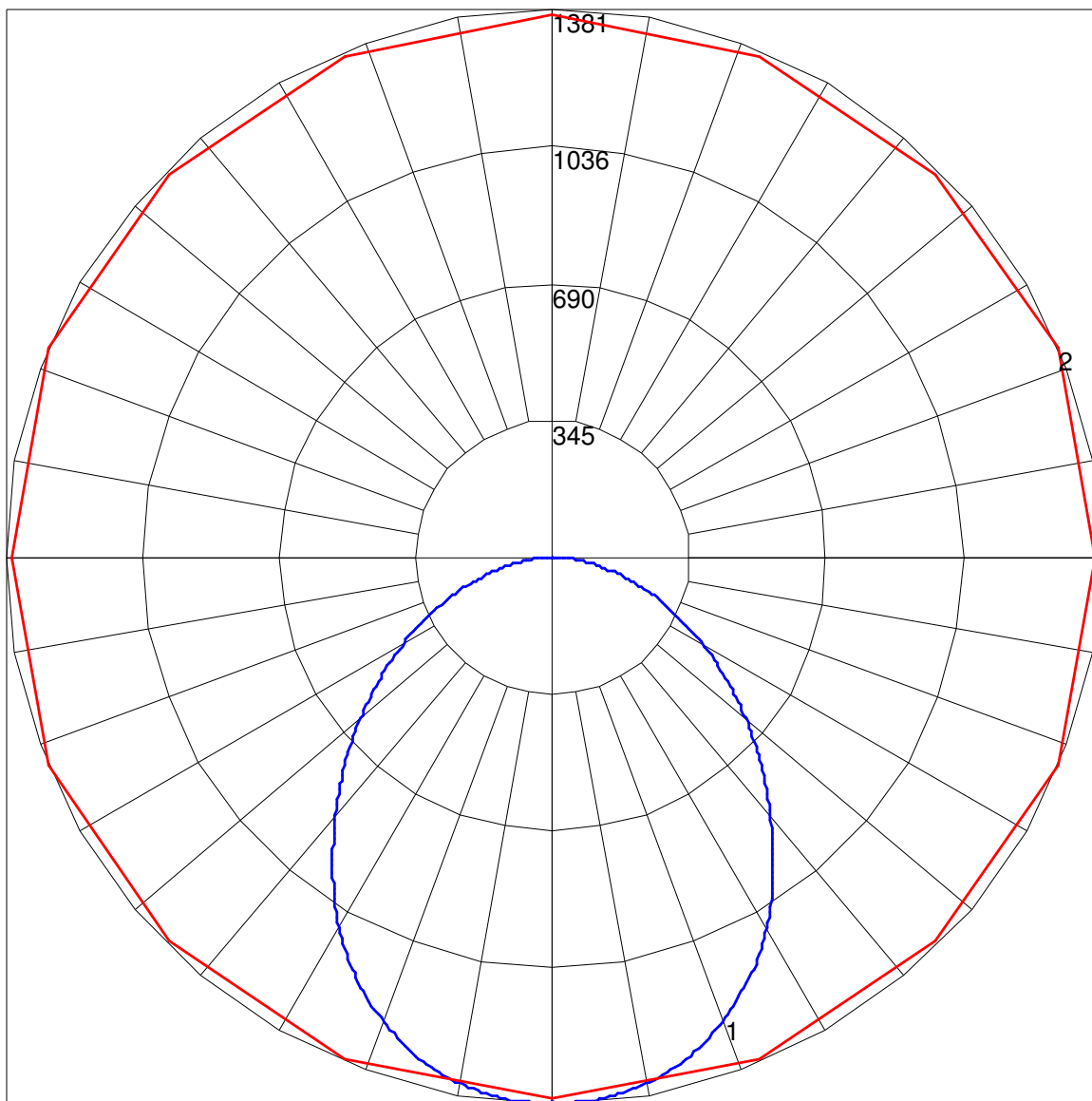
4H	2H	21.8	23.1	22.2	23.5	23.8	20.9	22.2	21.3	22.6	22.9
	3H	23.7	24.8	24.1	25.2	25.6	22.7	23.8	23.1	24.2	24.6
	4H	24.4	25.4	24.8	25.8	26.2	23.4	24.4	23.8	24.8	25.3
	6H	24.9	25.8	25.4	26.3	26.7	24.0	24.9	24.5	25.3	25.8
	8H	25.1	25.9	25.6	26.4	26.8	24.2	25.0	24.7	25.5	26.0
	12H	25.2	26.0	25.7	26.4	26.9	24.4	25.1	24.9	25.6	26.1

8H	4H	24.6	25.4	25.1	25.9	26.3	23.7	24.6	24.2	25.0	25.5
	6H	25.3	26.0	25.8	26.4	26.9	24.5	25.1	25.0	25.6	26.1
	8H	25.5	26.1	26.1	26.6	27.1	24.8	25.4	25.3	25.9	26.4
	12H	25.7	26.3	26.2	26.8	27.3	25.0	25.6	25.5	26.1	26.6

12H	4H	24.6	25.4	25.1	25.8	26.3	23.8	24.5	24.3	25.0	25.5
	6H	25.3	25.9	25.8	26.4	26.9	24.5	25.2	25.1	25.6	26.2
	8H	25.6	26.2	26.1	26.6	27.2	24.9	25.4	25.4	25.9	26.5

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 1380.946 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.)