



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15177918.03 & UL #15177918.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2/23/2026
[TEST DATE] 2/19/2024
[MANUFACT] H E Williams Inc
[LUMCAT] MX4UDC-4'00-L8/835U/L8/835D-F/F-DIMU/DIMD-UNV
[LUMINAIRE] White linear extruded luminaire with up and downlight
[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)
[BALLAST] OTI50/120-277/1A4 DIM-1 L G2 #57452
[OTHER] 24.8 C, 119.951 V, 0.4435 A, 52.6728 W, 0.990119 PF, 60.0072 H
[OTHER] This test was performed using the calibrated photodetector
[MORE] method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6665
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	54.2
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9041	8815	8715
55	8311	8110	8025
65	7666	7481	7400
75	6501	6497	6494
85	5077	5281	5434

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1311.915	1311.915	1311.915	1311.915	1311.915
0.5	1331.726	1313.016	1306.412	1309.164	1304.761
1.0	1331.726	1312.466	1306.412	1309.164	1304.761
1.5	1331.176	1311.915	1305.862	1309.164	1304.211
2.0	1330.625	1311.365	1305.312	1308.613	1304.211
2.5	1330.075	1310.815	1304.211	1308.063	1303.661
3.0	1328.975	1309.714	1303.661	1307.513	1302.560
3.5	1327.874	1308.613	1302.560	1306.412	1301.459
4.0	1326.773	1307.513	1301.459	1305.312	1300.359
4.5	1325.673	1305.862	1300.359	1304.211	1298.708
5.0	1324.572	1304.761	1298.708	1302.560	1297.057
5.5	1322.921	1303.110	1297.057	1300.909	1295.406
6.0	1321.270	1300.909	1295.406	1299.258	1293.205
6.5	1319.069	1299.258	1293.205	1297.057	1291.554
7.0	1317.418	1297.057	1291.554	1294.856	1289.353
7.5	1315.767	1294.856	1289.353	1292.655	1287.702
8.0	1313.016	1292.655	1286.601	1290.454	1285.501
8.5	1310.815	1289.903	1283.850	1287.702	1282.749
9.0	1308.063	1287.702	1281.649	1284.950	1279.998
9.5	1305.312	1284.950	1278.347	1281.649	1277.246
10.0	1302.560	1282.199	1275.595	1278.897	1273.945
10.5	1299.258	1278.897	1272.294	1275.595	1271.193
11.0	1296.507	1275.595	1268.992	1272.294	1267.341
11.5	1292.655	1272.294	1265.690	1268.992	1264.039
12.0	1289.353	1268.992	1262.388	1265.140	1260.187
12.5	1286.051	1265.140	1258.536	1261.288	1256.335
13.0	1282.199	1261.838	1254.684	1257.436	1252.483
13.5	1278.347	1257.436	1250.832	1253.033	1248.631
14.0	1274.495	1253.583	1246.429	1249.181	1244.779
14.5	1270.643	1249.731	1242.027	1244.779	1240.376
15.0	1266.791	1245.329	1237.625	1240.376	1235.974
15.5	1261.838	1241.477	1233.222	1235.424	1231.021
16.0	1256.335	1237.074	1228.270	1231.021	1226.619
16.5	1250.832	1232.122	1223.317	1226.068	1221.666
17.0	1245.879	1227.169	1218.364	1221.116	1216.713
17.5	1240.376	1221.666	1212.861	1215.613	1211.210
18.0	1234.873	1216.163	1207.358	1210.110	1205.707
18.5	1229.370	1210.660	1201.855	1204.056	1200.204
19.0	1223.867	1205.157	1196.902	1198.553	1193.601
19.5	1217.814	1199.654	1191.399	1191.950	1186.997
20.0	1212.311	1193.601	1186.447	1185.897	1180.393
20.5	1206.258	1188.098	1180.944	1179.293	1173.790
21.0	1200.204	1182.044	1174.890	1172.689	1166.636
21.5	1193.601	1175.991	1168.287	1166.086	1159.482
22.0	1187.547	1169.388	1161.133	1158.932	1152.879
22.5	1180.944	1162.784	1154.529	1151.778	1145.725
23.0	1174.340	1156.180	1147.926	1144.074	1138.571
23.5	1167.737	1149.577	1140.772	1136.920	1131.967
24.0	1160.583	1142.973	1134.168	1129.766	1124.813
24.5	1153.429	1135.819	1127.014	1122.612	1117.659
25.0	1146.825	1128.665	1119.861	1115.458	1110.505
25.5	1139.671	1121.511	1112.156	1108.304	1102.801
26.0	1131.967	1113.807	1105.002	1101.150	1095.647
26.5	1124.813	1106.653	1097.298	1093.996	1088.493

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1117.109	1098.949	1089.594	1086.842	1080.789
27.5	1109.405	1091.245	1082.440	1079.689	1073.635
28.0	1101.701	1082.990	1074.186	1071.984	1065.931
28.5	1093.446	1074.736	1066.481	1064.831	1058.227
29.0	1085.192	1067.032	1058.777	1057.126	1050.523
29.5	1077.487	1058.777	1051.073	1048.872	1043.369
30.0	1069.233	1050.523	1043.369	1041.168	1035.665
30.5	1060.978	1042.268	1035.114	1033.463	1027.960
31.0	1052.174	1034.564	1026.860	1025.209	1020.256
31.5	1043.919	1026.310	1018.605	1016.954	1012.002
32.0	1035.114	1017.505	1010.351	1008.150	1003.747
32.5	1026.310	1009.250	1002.096	999.895	994.942
33.0	1017.505	1000.996	993.842	991.641	986.138
33.5	1009.250	992.191	985.037	982.836	977.883
34.0	999.895	983.386	976.783	974.031	969.078
34.5	991.090	974.581	967.427	965.226	959.723
35.0	982.285	966.327	958.623	956.421	950.368
35.5	972.930	956.972	949.818	947.617	941.013
36.0	963.575	948.167	941.013	938.261	932.208
36.5	954.770	939.362	932.208	929.457	923.403
37.0	945.415	930.007	922.853	920.102	914.048
37.5	936.060	920.652	914.048	910.746	905.244
38.0	926.155	911.297	904.693	901.391	895.888
38.5	916.800	901.942	895.338	892.587	886.533
39.0	907.995	892.587	885.983	883.231	877.729
39.5	898.090	883.231	877.178	873.876	867.823
40.0	888.735	873.326	867.823	864.521	859.018
40.5	878.829	863.971	858.468	855.166	849.663
41.0	869.474	854.066	849.113	845.261	839.758
41.5	859.569	844.711	839.207	835.906	829.852
42.0	850.213	834.805	829.852	826.551	820.497
42.5	840.858	825.450	820.497	816.645	811.142
43.0	830.953	816.095	811.142	807.290	801.237
43.5	821.598	806.189	801.237	797.935	791.882
44.0	811.692	796.284	791.331	788.030	782.527
44.5	801.787	786.379	781.426	778.124	772.621
45.0	791.882	777.024	772.071	768.219	763.266
45.5	782.527	767.118	762.165	758.864	753.911
46.0	772.621	757.213	752.260	748.958	744.556
46.5	762.716	747.307	742.905	739.603	735.201
47.0	752.810	737.402	733.000	729.698	725.295
47.5	742.355	727.497	723.094	719.792	715.940
48.0	732.449	717.591	713.189	710.437	706.035
48.5	722.544	707.686	703.834	700.532	696.130
49.0	712.088	697.780	693.928	690.626	686.774
49.5	702.183	687.875	684.023	681.271	677.419
50.0	691.727	677.970	674.117	671.366	667.514
50.5	681.271	668.064	664.212	661.461	658.159
51.0	670.816	658.159	654.307	651.555	648.253
51.5	660.910	648.253	644.401	642.200	638.348
52.0	651.005	638.348	634.496	632.295	628.993
52.5	640.549	628.443	624.591	622.940	619.087
53.0	630.644	618.537	614.685	613.034	609.182
53.5	620.188	608.632	604.780	603.129	599.277
54.0	610.283	598.726	595.425	593.774	589.371
54.5	600.377	589.371	585.519	583.868	579.466

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	590.472	580.016	576.164	574.513	570.111
55.5	581.117	570.111	566.259	564.608	560.756
56.0	570.661	560.205	556.353	555.253	550.850
56.5	560.756	550.850	546.723	545.512	541.165
57.0	551.401	540.945	536.983	535.662	531.535
57.5	541.715	531.370	527.297	526.087	521.794
58.0	532.030	521.905	517.557	516.457	512.164
58.5	522.290	512.384	507.982	506.991	502.919
59.0	512.715	502.809	498.352	497.416	493.509
59.5	503.414	493.124	488.556	487.896	484.209
60.0	493.894	483.494	478.871	478.321	474.744
60.5	484.484	474.083	469.516	468.691	465.169
61.0	475.239	464.673	460.216	459.280	455.813
61.5	465.334	455.373	450.971	449.925	446.568
62.0	455.593	445.798	441.396	440.625	437.103
62.5	445.633	436.938	432.371	431.765	428.133
63.0	436.058	429.124	425.437	425.162	422.190
63.5	426.372	420.594	417.678	417.072	413.991
64.0	420.539	412.285	409.643	408.433	404.911
64.5	411.459	403.425	400.563	399.463	396.161
65.0	401.279	393.960	391.593	390.548	387.356
65.5	390.878	384.385	382.238	381.743	378.496
66.0	380.863	375.029	373.103	372.883	369.416
66.5	370.957	365.454	363.803	363.803	360.722
67.0	361.162	355.934	354.613	354.778	351.972
67.5	351.532	346.579	345.368	345.698	342.947
68.0	341.791	337.224	336.123	336.563	333.702
68.5	331.996	327.704	326.823	327.428	324.622
69.0	321.870	318.128	317.468	317.798	315.212
69.5	312.020	308.718	307.948	308.333	305.967
70.0	302.280	299.198	298.648	298.813	296.722
70.5	292.705	289.623	289.238	289.403	287.422
71.0	282.909	280.103	279.993	280.213	278.067
71.5	273.114	270.583	270.803	270.968	269.097
72.0	263.594	261.007	261.448	261.668	260.072
72.5	254.074	251.597	252.313	252.533	251.212
73.0	244.663	242.407	243.398	243.673	242.517
73.5	235.528	233.327	234.483	234.978	233.712
74.0	226.503	224.247	225.678	226.063	225.238
74.5	217.479	215.332	216.928	217.313	216.708
75.0	208.399	206.473	208.289	208.674	208.178
75.5	199.429	197.613	199.704	200.199	199.649
76.0	190.349	189.083	191.229	191.780	191.339
76.5	181.764	180.663	182.810	183.415	183.030
77.0	173.400	172.189	174.555	175.105	174.500
77.5	164.760	163.934	166.301	166.741	166.136
78.0	156.340	155.680	158.046	158.707	158.101
78.5	147.976	147.645	149.902	150.672	150.177
79.0	139.941	139.611	141.922	142.858	142.473
79.5	131.907	131.742	134.053	135.044	134.713
80.0	123.983	124.038	126.184	127.560	127.119
80.5	116.003	116.499	118.700	120.020	119.690
81.0	108.354	109.124	111.271	112.646	112.426
81.5	100.980	101.805	104.007	105.382	105.217
82.0	94.101	94.652	96.908	98.339	98.174
82.5	87.223	87.718	89.919	91.350	91.240

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	80.344	81.114	83.040	84.526	84.636
83.5	73.575	74.511	76.382	77.812	78.143
84.0	67.247	68.017	69.778	71.154	71.649
84.5	60.808	61.634	63.285	64.660	65.156
85.0	54.810	55.470	57.011	58.222	58.662
85.5	48.977	49.307	50.628	51.893	52.334
86.0	43.254	43.364	44.519	45.675	46.225
86.5	37.585	37.585	38.631	39.677	40.172
87.0	31.862	31.862	32.633	33.954	34.339
87.5	26.194	26.249	26.965	28.285	28.781
88.0	20.801	20.746	21.462	22.892	23.443
88.5	15.629	15.298	16.234	17.500	18.270
89.0	10.126	9.960	11.226	12.437	13.262
89.5	4.678	5.558	6.714	7.649	7.924
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.397	1.790	1.652	1.607	1.744
91.0	7.482	3.947	3.213	3.167	3.121
91.5	12.026	8.033	4.774	4.728	4.682
92.0	16.616	13.357	6.885	6.151	6.151
92.5	21.389	18.865	10.649	7.711	7.574
93.0	26.347	24.143	15.055	10.236	9.226
93.5	31.350	29.192	19.783	13.816	12.026
94.0	36.261	34.150	25.015	18.085	15.835
94.5	41.310	39.107	30.478	22.491	19.966
95.0	46.267	44.202	35.848	26.989	24.052
95.5	51.224	48.975	41.081	31.625	28.366
96.0	55.952	53.841	46.221	36.445	32.773
96.5	60.726	58.706	51.362	41.356	37.317
97.0	65.362	63.480	56.457	46.267	42.136
97.5	70.135	68.299	61.598	51.270	46.956
98.0	74.863	73.027	66.601	56.227	51.821
98.5	79.591	77.800	71.420	61.276	56.687
99.0	84.410	82.712	76.332	66.096	61.598
99.5	89.275	87.577	81.289	70.915	66.417
100.0	94.049	92.489	86.246	75.873	71.145
100.5	99.006	97.400	91.203	81.013	75.919
101.0	104.101	102.311	96.252	86.200	81.105
101.5	109.288	107.314	101.393	91.387	86.476
102.0	114.337	112.501	106.534	96.574	91.800
102.5	119.615	117.642	111.858	101.760	97.079
103.0	125.032	122.966	117.137	106.901	102.449
103.5	130.448	128.382	122.737	112.409	107.773
104.0	136.002	133.844	128.428	118.101	113.327
104.5	141.739	139.536	134.120	123.930	118.881
105.0	147.614	145.365	139.766	129.667	124.527
105.5	153.627	151.286	145.595	135.451	130.126
106.0	159.732	157.253	151.516	141.326	135.726
106.5	165.883	163.404	157.712	147.247	141.372
107.0	172.446	169.830	164.322	153.536	147.523
107.5	179.239	176.440	171.023	160.191	154.178
108.0	185.987	183.233	177.863	167.397	161.017
108.5	193.101	190.164	184.702	174.604	168.086
109.0	200.399	197.232	191.724	181.902	175.246
109.5	207.881	204.576	199.114	189.154	182.498
110.0	215.868	212.104	206.688	196.590	190.072
110.5	224.038	219.815	214.445	204.576	197.921

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	232.300	227.893	222.477	212.884	205.816
111.5	240.745	236.201	230.648	221.330	213.940
112.0	249.512	244.739	238.772	229.775	221.697
112.5	258.325	253.506	246.988	238.175	229.913
113.0	267.551	262.548	255.663	246.850	238.496
113.5	277.052	272.003	264.843	256.214	247.722
114.0	286.691	281.642	274.574	266.174	257.958
114.5	296.652	291.603	284.488	276.548	268.836
115.0	306.750	301.838	294.770	287.013	279.852
115.5	317.307	312.166	305.327	297.432	290.731
116.0	327.955	322.906	316.251	308.402	301.793
116.5	339.201	333.923	327.542	319.648	313.589
117.0	350.906	345.168	338.926	331.765	325.752
117.5	359.535	353.935	349.345	342.919	338.099
118.0	370.551	364.171	360.040	354.440	349.070
118.5	383.357	376.380	370.964	365.135	358.938
119.0	395.887	388.406	383.357	377.252	369.908
119.5	408.556	401.212	396.484	389.553	382.209
120.0	421.637	414.477	409.658	403.002	395.199
120.5	434.627	427.926	423.244	417.277	409.061
121.0	448.259	441.650	436.922	431.506	423.795
121.5	461.754	455.236	450.554	445.918	438.207
122.0	475.983	469.098	464.967	460.377	452.666
122.5	489.753	482.868	479.196	474.606	466.344
123.0	503.982	497.556	493.884	490.212	481.491
123.5	518.670	512.244	509.490	505.818	497.097
124.0	533.358	527.391	524.637	521.424	513.162
124.5	548.046	542.079	539.784	536.571	528.768
125.0	562.734	556.767	554.472	551.718	543.915
125.5	577.881	571.914	569.619	566.865	558.603
126.0	592.569	586.602	585.225	582.012	573.291
126.5	607.257	601.290	600.831	598.077	588.897
127.0	622.404	616.437	616.437	614.142	605.421
127.5	637.551	631.125	631.125	629.748	621.945
128.0	652.239	645.813	646.272	645.354	637.551
128.5	666.927	660.042	660.960	660.960	652.698
129.0	681.615	674.271	675.648	676.107	668.304
129.5	696.303	688.959	690.795	691.713	684.369
130.0	710.991	703.647	705.942	707.319	701.352
130.5	725.679	717.876	721.548	722.466	717.417
131.0	740.367	732.105	736.236	737.154	732.105
131.5	754.137	745.875	750.924	750.924	746.334
132.0	768.366	759.645	765.153	765.612	760.104
132.5	782.136	773.874	779.382	779.841	773.874
133.0	795.906	788.103	793.152	794.070	787.185
133.5	809.676	801.873	807.381	808.299	801.414
134.0	823.446	815.184	820.692	822.069	815.184
134.5	835.839	828.495	833.544	834.462	828.495
135.0	848.232	841.347	845.937	846.855	840.429
135.5	860.166	854.658	858.330	858.789	852.363
136.0	872.100	867.051	869.805	871.182	864.756
136.5	884.493	878.985	881.280	883.575	877.608
137.0	895.968	890.919	893.214	895.050	889.542
137.5	907.443	901.935	904.230	905.607	900.099
138.0	918.459	912.951	914.787	915.705	910.197
138.5	929.475	923.508	925.344	925.803	919.836

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	940.032	934.065	935.901	935.901	929.475
139.5	950.589	944.622	945.999	945.540	938.655
140.0	960.687	954.261	956.097	955.638	948.753
140.5	970.326	963.441	965.277	964.818	957.474
141.0	979.965	973.080	974.457	973.539	966.195
141.5	988.686	981.801	983.637	982.260	973.998
142.0	997.866	990.981	992.358	990.522	982.260
142.5	1006.587	999.702	1001.079	999.243	990.063
143.0	1015.308	1007.964	1009.341	1007.505	998.325
143.5	1023.570	1016.685	1017.603	1015.767	1006.128
144.0	1031.373	1024.947	1025.406	1023.111	1013.472
144.5	1039.176	1032.750	1033.209	1030.455	1020.816
145.0	1046.520	1040.553	1040.553	1037.340	1027.701
145.5	1054.323	1048.356	1047.897	1045.143	1035.045
146.0	1061.667	1055.700	1055.241	1052.028	1042.389
146.5	1069.011	1063.044	1062.126	1059.372	1049.733
147.0	1075.896	1070.388	1068.552	1066.716	1057.077
147.5	1082.781	1077.273	1075.437	1073.601	1063.962
148.0	1089.666	1084.158	1081.404	1080.027	1071.306
148.5	1096.551	1091.043	1087.371	1086.453	1078.650
149.0	1102.977	1097.928	1093.338	1092.879	1085.994
149.5	1109.403	1104.354	1098.846	1099.305	1092.879
150.0	1115.829	1110.780	1104.813	1105.272	1099.305
150.5	1122.255	1117.206	1110.321	1110.780	1105.731
151.0	1128.222	1123.173	1115.829	1116.288	1111.698
151.5	1134.648	1129.140	1121.796	1121.796	1117.206
152.0	1140.615	1135.107	1127.304	1126.845	1122.714
152.5	1146.582	1140.615	1132.812	1132.353	1127.763
153.0	1152.549	1146.123	1138.320	1137.861	1132.353
153.5	1158.057	1151.631	1143.828	1143.369	1136.484
154.0	1163.565	1157.139	1149.795	1148.877	1141.074
154.5	1169.532	1162.188	1155.303	1153.926	1145.664
155.0	1175.040	1167.237	1160.811	1159.434	1150.713
155.5	1180.089	1171.827	1166.319	1164.942	1155.762
156.0	1185.138	1176.876	1172.286	1169.991	1160.811
156.5	1190.187	1181.925	1177.794	1175.499	1165.860
157.0	1195.236	1186.974	1183.302	1181.007	1170.909
157.5	1199.826	1191.564	1188.351	1186.056	1175.958
158.0	1204.416	1196.154	1193.400	1191.105	1181.007
158.5	1209.465	1201.203	1198.449	1196.154	1186.515
159.0	1213.596	1205.793	1203.039	1201.203	1191.564
159.5	1218.186	1210.383	1207.629	1206.252	1196.613
160.0	1222.317	1214.514	1212.219	1210.842	1201.662
160.5	1226.448	1218.645	1216.350	1215.432	1206.711
161.0	1230.579	1222.776	1220.481	1220.022	1211.760
161.5	1234.710	1227.366	1224.153	1224.612	1216.809
162.0	1239.300	1231.497	1227.825	1229.202	1221.399
162.5	1243.431	1235.628	1231.497	1233.333	1225.530
163.0	1247.562	1239.759	1235.169	1237.464	1229.661
163.5	1251.693	1243.431	1238.841	1241.595	1233.333
164.0	1255.824	1247.103	1242.054	1245.267	1237.005
164.5	1259.037	1250.775	1245.267	1248.939	1240.677
165.0	1262.709	1254.447	1248.480	1252.611	1243.890
165.5	1266.381	1257.660	1251.693	1255.824	1247.103
166.0	1270.053	1260.873	1254.906	1259.037	1249.857
166.5	1273.725	1264.086	1258.119	1261.791	1253.070

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1276.938	1266.840	1260.873	1264.545	1255.824
167.5	1280.151	1269.594	1264.086	1267.299	1259.037
168.0	1283.364	1272.348	1266.840	1270.053	1261.791
168.5	1286.577	1275.102	1269.594	1272.807	1265.004
169.0	1289.331	1277.397	1272.348	1275.102	1267.758
169.5	1291.626	1279.692	1274.643	1277.397	1270.512
170.0	1293.921	1281.987	1276.938	1279.692	1273.725
170.5	1296.216	1284.282	1278.774	1281.987	1276.020
171.0	1298.511	1286.118	1280.610	1284.282	1278.315
171.5	1300.347	1287.954	1282.446	1286.577	1280.610
172.0	1302.183	1289.790	1283.823	1288.413	1282.446
172.5	1304.019	1291.626	1285.200	1289.790	1283.823
173.0	1305.855	1293.462	1286.577	1291.626	1284.741
173.5	1307.232	1294.839	1287.954	1292.544	1285.659
174.0	1308.609	1296.216	1289.331	1293.462	1286.118
174.5	1309.527	1297.134	1290.249	1294.380	1286.577
175.0	1310.445	1298.511	1291.167	1294.839	1286.577
175.5	1311.363	1299.429	1292.544	1295.298	1287.036
176.0	1312.281	1300.347	1293.462	1295.298	1287.036
176.5	1312.740	1301.265	1293.921	1295.757	1287.036
177.0	1313.199	1302.183	1294.839	1295.757	1286.577
177.5	1314.117	1303.101	1295.757	1295.757	1286.577
178.0	1314.576	1303.101	1296.216	1295.757	1287.036
178.5	1314.576	1303.560	1296.675	1295.757	1287.036
179.0	1315.035	1304.019	1296.675	1295.757	1287.036
179.5	1315.494	1304.019	1297.134	1295.757	1287.036
180.0	1299.429	1299.429	1299.429	1299.429	1299.429

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	474.13	N.A.	7.10
0-30	991.25	N.A.	14.90
0-40	1592.46	N.A.	23.90
0-60	2705.95	N.A.	40.60
0-80	3313.74	N.A.	49.70
0-90	3377.96	N.A.	50.70
10-90	3254.2	N.A.	48.80
20-40	1118.33	N.A.	16.80
20-50	1715.15	N.A.	25.70
40-70	1500.46	N.A.	22.50
60-80	607.79	N.A.	9.10
70-80	220.82	N.A.	3.30
80-90	64.22	N.A.	1.00
90-110	188.05	N.A.	2.80
90-120	482.74	N.A.	7.20
90-130	977.95	N.A.	14.70
90-150	2274.65	N.A.	34.10
90-180	3287.47	N.A.	49.30
110-180	3099.42	N.A.	46.50
0-180	6665.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.76
10-20	350.38
20-30	517.12
30-40	601.21
40-50	596.82
50-60	516.67
60-70	386.97
70-80	220.82
80-90	64.22
90-100	40.56
100-110	147.49
110-120	294.69
120-130	495.21
130-140	647.54
140-150	649.16
150-160	536.24
160-170	353.36
170-180	123.23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	70	82	76	70	66	64	60	57	54	51	48	44	42	40	36
3	81	72	64	59	75	67	60	55	57	52	48	48	44	41	39	37	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26
5	68	57	49	43	63	53	45	40	45	39	35	38	34	30	31	28	26	23
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	29	25	23	20
7	58	46	38	32	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	25	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-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	15.5	16.4	16.5	17.4	18.6	UGR Viewed Endwise	15.4	16.3	16.4	17.3	18.5
	3H	17.3	18.1	18.2	19.0	20.3		17.2	18.0	18.1	18.9	20.2
	4H	17.9	18.6	18.9	19.6	20.9		17.8	18.6	18.8	19.5	20.8
	6H	18.3	19.0	19.3	20.0	21.3		18.3	19.0	19.3	19.9	21.2
	8H	18.5	19.1	19.4	20.1	21.4		18.4	19.1	19.4	20.1	21.4
	12H	18.5	19.2	19.5	20.1	21.5		18.5	19.1	19.5	20.1	21.5

4H	2H	16.1	16.8	17.0	17.8	19.1	16.0	16.7	16.9	17.7	19.0
	3H	18.0	18.6	19.0	19.6	20.9	17.9	18.6	18.9	19.6	20.9
	4H	18.8	19.3	19.7	20.3	21.6	18.7	19.3	19.7	20.3	21.6
	6H	19.3	19.8	20.3	20.8	22.1	19.3	19.8	20.3	20.8	22.1
	8H	19.5	19.9	20.5	21.0	22.3	19.5	19.9	20.5	21.0	22.3
	12H	19.6	20.0	20.6	21.0	22.4	19.6	20.0	20.7	21.1	22.4

8H	4H	19.0	19.5	20.0	20.5	21.8	19.0	19.4	20.0	20.4	21.8
	6H	19.7	20.1	20.7	21.1	22.5	19.7	20.1	20.7	21.1	22.4
	8H	20.0	20.3	21.0	21.3	22.7	20.0	20.3	21.0	21.3	22.7
	12H	20.1	20.4	21.2	21.5	22.9	20.2	20.5	21.2	21.5	22.9

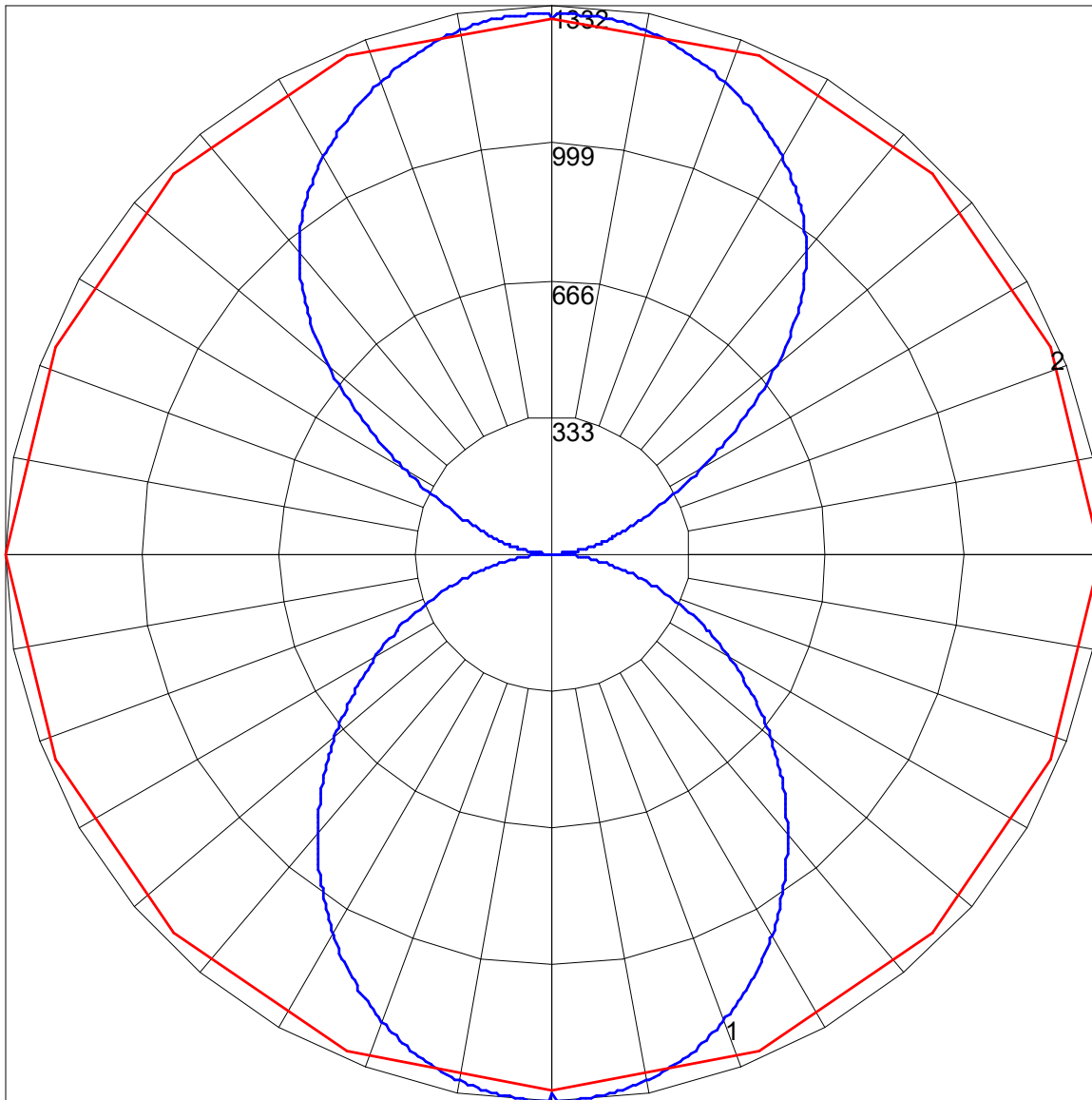
12H	4H	19.0	19.4	20.0	20.4	21.8	18.9	19.4	20.0	20.4	21.7
	6H	19.7	20.1	20.8	21.1	22.5	19.7	20.1	20.8	21.1	22.5
	8H	20.0	20.3	21.1	21.4	22.8	20.0	20.3	21.1	21.4	22.8

Maximum UGR = 22.9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L8-835D-F-F-DIMU-DIMD-UNV_.IES

POLAR GRAPH



Maximum Candela = 1331.726 Located At Horizontal Angle = 0, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)