

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4D-4'00-L8-835-S-FW-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 15918298.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 3/17/2026

[TEST DATE] 7/22/2025

[MANUFAC] H E Williams Inc

[LUMCAT] MX4D-4'00-L8-835-S-FW-DIM-UNV

[LUMINAIRE] White aluminum housing, frosted lens enclosure

[LAMP] 288 White LEDs

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[OTHER] The reported results were measured in a facility that meets th

[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de

[MORE] tectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	26.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
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	7816	9440	10183
55	7260	9070	9722
65	6577	8360	8873
75	5535	7111	7486
85	3360	4718	5101

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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	1115.091	1115.091	1115.091	1115.091	1115.091
0.5	1147.061	1120.603	1106.823	1106.272	1107.375
1.0	1147.061	1120.603	1106.823	1106.272	1107.375
1.5	1146.510	1120.603	1106.823	1106.823	1107.926
2.0	1145.959	1120.052	1107.375	1107.375	1108.477
2.5	1145.408	1120.052	1107.375	1107.926	1109.579
3.0	1144.305	1119.501	1107.375	1108.477	1110.131
3.5	1143.754	1118.950	1107.926	1109.579	1111.233
4.0	1142.101	1118.399	1107.926	1110.131	1112.335
4.5	1140.998	1117.296	1107.926	1111.233	1113.438
5.0	1139.896	1116.745	1108.477	1111.784	1114.540
5.5	1138.242	1115.643	1108.477	1112.887	1115.643
6.0	1136.588	1114.540	1108.477	1113.989	1116.745
6.5	1134.935	1113.438	1108.477	1115.091	1117.847
7.0	1132.730	1112.335	1109.028	1115.643	1119.501
7.5	1131.076	1111.233	1109.028	1116.745	1120.603
8.0	1128.320	1109.579	1108.477	1117.847	1122.257
8.5	1126.116	1107.926	1108.477	1118.950	1123.911
9.0	1123.360	1106.272	1108.477	1120.052	1125.564
9.5	1120.603	1104.618	1107.926	1121.155	1127.218
10.0	1117.847	1102.965	1107.375	1122.257	1128.872
10.5	1115.091	1100.760	1107.375	1123.360	1129.974
11.0	1111.784	1098.555	1106.823	1123.911	1131.628
11.5	1108.477	1096.902	1106.272	1125.013	1133.281
12.0	1105.170	1094.146	1105.170	1125.564	1134.384
12.5	1101.862	1091.941	1104.618	1126.116	1135.486
13.0	1098.004	1089.185	1103.516	1126.667	1136.588
13.5	1094.146	1086.980	1102.965	1127.218	1137.691
14.0	1090.287	1084.224	1101.862	1127.218	1138.242
14.5	1086.429	1080.917	1100.209	1127.769	1139.345
15.0	1083.121	1078.161	1099.106	1127.769	1139.896
15.5	1078.712	1074.853	1098.004	1127.769	1140.447
16.0	1074.302	1071.546	1096.350	1127.769	1140.447
16.5	1069.892	1068.239	1095.248	1127.769	1140.998
17.0	1065.483	1064.932	1093.594	1127.769	1140.998
17.5	1061.073	1061.073	1091.941	1127.218	1140.998
18.0	1056.112	1057.766	1090.287	1126.667	1140.998
18.5	1051.151	1053.907	1088.082	1126.116	1141.549
19.0	1046.742	1050.049	1086.429	1125.564	1140.998
19.5	1041.230	1045.639	1084.224	1124.462	1140.998
20.0	1036.269	1041.781	1082.019	1123.360	1140.447
20.5	1030.757	1037.922	1079.814	1122.808	1139.896
21.0	1025.245	1033.513	1077.058	1121.706	1139.345
21.5	1019.733	1029.103	1074.853	1120.603	1138.242
22.0	1014.221	1024.693	1072.097	1118.950	1137.140
22.5	1008.708	1020.284	1069.341	1117.847	1136.037
23.0	1002.645	1015.323	1066.585	1116.194	1134.935
23.5	996.582	1010.913	1063.829	1114.540	1132.730
24.0	991.070	1005.952	1060.522	1112.887	1131.076
24.5	985.007	1000.992	1057.766	1110.682	1129.423
25.0	978.943	996.031	1055.010	1108.477	1127.218
25.5	972.880	991.070	1051.703	1106.272	1125.013
26.0	966.817	986.109	1048.395	1103.516	1122.257
26.5	960.753	980.597	1045.088	1100.760	1120.052

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CANDELA TABULATION - (Cont.)

27.0	954.690	975.636	1041.230	1098.004	1116.745
27.5	948.076	970.124	1037.922	1094.697	1113.989
28.0	942.012	964.612	1034.064	1091.390	1110.682
28.5	935.398	959.100	1030.206	1088.082	1107.375
29.0	928.232	953.588	1025.796	1084.775	1103.516
29.5	921.618	947.525	1021.386	1080.917	1100.209
30.0	915.003	942.012	1016.977	1077.058	1095.799
30.5	907.838	935.949	1012.567	1072.648	1091.941
31.0	900.672	929.886	1008.157	1068.239	1087.531
31.5	893.506	923.823	1003.196	1063.829	1083.121
32.0	886.892	917.208	998.236	1059.420	1078.161
32.5	879.726	911.145	993.275	1054.459	1073.200
33.0	872.560	904.530	987.763	1049.498	1068.239
33.5	865.395	898.467	982.802	1044.537	1062.727
34.0	858.229	891.301	977.290	1039.025	1057.766
34.5	851.063	884.687	971.778	1033.513	1051.703
35.0	843.346	878.072	965.714	1028.001	1046.191
35.5	835.630	870.907	960.202	1022.489	1039.576
36.0	827.913	864.292	954.139	1016.425	1033.513
36.5	820.747	857.678	948.076	1010.362	1026.898
37.0	813.030	850.512	941.461	1003.748	1020.284
37.5	805.313	842.795	935.398	997.133	1013.669
38.0	797.596	835.630	928.784	990.519	1006.504
38.5	789.879	827.913	922.169	983.904	999.338
39.0	781.611	820.747	915.555	976.738	992.172
39.5	773.894	813.030	908.389	969.573	985.007
40.0	766.177	805.864	901.223	962.407	976.738
40.5	757.909	798.147	894.609	954.690	969.022
41.0	749.641	790.431	887.443	947.525	961.305
41.5	741.924	782.714	880.277	939.808	953.037
42.0	733.656	774.997	872.560	931.540	944.769
42.5	725.388	767.280	865.395	923.823	936.500
43.0	717.671	759.012	857.678	915.555	927.681
43.5	709.403	751.295	849.961	907.286	918.862
44.0	701.135	743.027	842.244	898.467	910.042
44.5	692.867	734.759	834.527	890.199	901.223
45.0	684.599	727.042	826.810	881.380	891.853
45.5	676.331	718.774	818.542	872.560	883.585
46.0	668.063	710.506	809.723	863.741	874.214
46.5	659.795	702.237	801.455	854.371	864.844
47.0	651.526	693.969	792.635	845.000	855.473
47.5	643.258	685.150	783.816	836.181	845.551
48.0	634.990	676.882	774.997	826.810	836.181
48.5	626.722	668.063	766.177	817.440	826.259
49.0	618.454	659.795	757.358	807.518	816.337
49.5	609.635	650.975	747.988	797.596	806.416
50.0	600.815	642.707	739.168	788.226	796.494
50.5	592.547	634.439	729.798	778.304	786.021
51.0	584.279	625.620	720.427	767.831	776.099
51.5	575.460	616.800	711.057	757.909	765.626
52.0	567.192	607.981	701.686	747.988	755.153
52.5	558.373	599.162	692.316	738.066	744.129
53.0	549.829	590.343	682.945	727.593	733.105
53.5	541.395	581.523	673.024	717.120	722.632
54.0	533.127	572.704	663.653	706.647	712.159
54.5	524.363	563.885	653.731	696.725	701.686

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CANDELA TABULATION - (Cont.)

55.0	515.819	555.065	644.361	686.252	690.662
55.5	507.606	546.081	634.439	675.780	679.638
56.0	499.063	537.096	624.517	664.755	668.614
56.5	490.629	528.166	614.596	654.283	657.590
57.0	482.196	519.237	604.123	643.258	646.566
57.5	473.707	510.252	594.201	632.785	635.541
58.0	465.274	501.212	584.279	621.761	624.517
58.5	456.675	492.117	574.358	610.737	613.493
59.0	448.241	483.078	563.885	600.264	602.469
59.5	439.587	474.093	553.412	588.689	591.445
60.0	430.548	464.998	543.380	577.665	579.870
60.5	421.287	455.738	533.072	566.641	568.294
61.0	412.578	446.588	522.489	555.616	556.719
61.5	404.200	437.272	512.016	544.096	545.309
62.0	395.381	427.736	501.653	532.631	534.009
62.5	386.947	418.035	491.015	521.111	522.489
63.0	378.514	408.775	480.377	509.866	510.969
63.5	369.860	399.625	469.849	498.511	499.449
64.0	361.371	390.310	459.266	486.936	487.928
64.5	352.717	381.270	448.737	475.526	476.298
65.0	344.284	372.065	437.603	463.951	464.447
65.5	335.740	363.080	426.689	452.431	452.761
66.0	327.362	353.930	415.555	440.800	441.462
66.5	318.763	344.835	404.861	428.949	429.611
67.0	310.274	335.740	394.333	417.098	417.649
67.5	301.675	326.645	383.805	405.523	405.743
68.0	293.352	317.771	372.947	394.113	394.223
68.5	285.029	308.676	362.363	383.034	382.758
69.0	276.871	299.636	352.001	371.844	371.238
69.5	268.438	290.596	341.638	360.434	359.883
70.0	260.115	281.556	331.000	349.190	348.693
70.5	251.571	272.627	320.472	338.276	337.504
71.0	243.303	263.752	310.054	326.976	326.370
71.5	234.979	254.823	299.636	316.062	315.235
72.0	226.711	245.838	289.328	304.983	304.432
72.5	218.388	237.019	279.186	293.848	293.463
73.0	210.065	228.089	268.768	283.045	282.549
73.5	201.797	219.270	258.406	272.296	271.690
74.0	193.639	210.451	248.153	261.658	260.721
74.5	185.481	201.687	238.121	251.185	250.193
75.0	177.433	192.922	227.979	240.657	239.995
75.5	169.386	184.434	218.113	229.963	229.302
76.0	161.448	175.614	208.081	219.215	218.388
76.5	153.566	167.016	198.269	208.742	208.246
77.0	145.684	158.527	188.458	198.600	198.049
77.5	138.022	150.259	178.756	188.237	187.906
78.0	130.140	142.101	169.110	178.315	177.874
78.5	122.754	133.833	159.629	168.283	168.339
79.0	115.202	125.675	150.369	158.472	158.637
79.5	107.816	117.848	141.274	148.881	149.046
80.0	100.430	109.856	132.290	139.455	139.676
80.5	93.264	102.194	123.250	130.416	130.416
81.0	86.209	94.752	114.431	121.266	121.210
81.5	79.484	87.421	105.832	112.391	112.501
82.0	72.870	80.201	97.453	103.462	103.737
82.5	66.310	73.255	89.296	94.973	95.138

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CANDELA TABULATION - (Cont.)

83.0	59.751	66.365	80.972	86.650	86.760
83.5	53.412	59.641	73.090	78.492	78.712
84.0	47.404	53.247	65.594	70.499	70.665
84.5	41.671	47.073	58.152	62.782	62.782
85.0	36.269	41.175	50.932	55.286	55.066
85.5	31.198	35.553	43.986	47.900	47.900
86.0	26.237	30.041	37.372	41.010	40.900
86.5	21.552	24.915	31.088	34.285	34.230
87.0	17.198	20.009	25.300	27.891	27.891
87.5	13.174	15.489	19.843	22.048	22.269
88.0	9.701	11.575	14.938	16.757	16.977
88.5	6.614	8.048	10.583	12.071	12.292
89.0	4.079	5.126	6.835	7.882	7.992
89.5	2.315	2.977	4.024	4.630	4.520
90.0	0.000	0.000	0.000	0.000	0.000
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 : MX4D-4'00-L8-835-S-FW-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 : MX4D-4'00-L8-835-S-FW-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 : MX4D-4'00-L8-835-S-FW-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	418.50	N.A.	12.40
0-30	903.99	N.A.	26.70
0-40	1500.41	N.A.	44.40
0-60	2677.08	N.A.	79.20
0-80	3322.55	N.A.	98.30
0-90	3380.25	N.A.	100.00
10-90	3273.78	N.A.	96.90
20-40	1081.9	N.A.	32.00
20-50	1702.84	N.A.	50.40
40-70	1591.68	N.A.	47.10
60-80	645.48	N.A.	19.10
70-80	230.47	N.A.	6.80
80-90	57.70	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3380.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.47
10-20	312.03
20-30	485.49
30-40	596.42
40-50	620.94
50-60	555.73
60-70	415.00
70-80	230.47
80-90	57.70
90-100	0.00
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 : MX4D-4'00-L8-835-S-FW-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	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

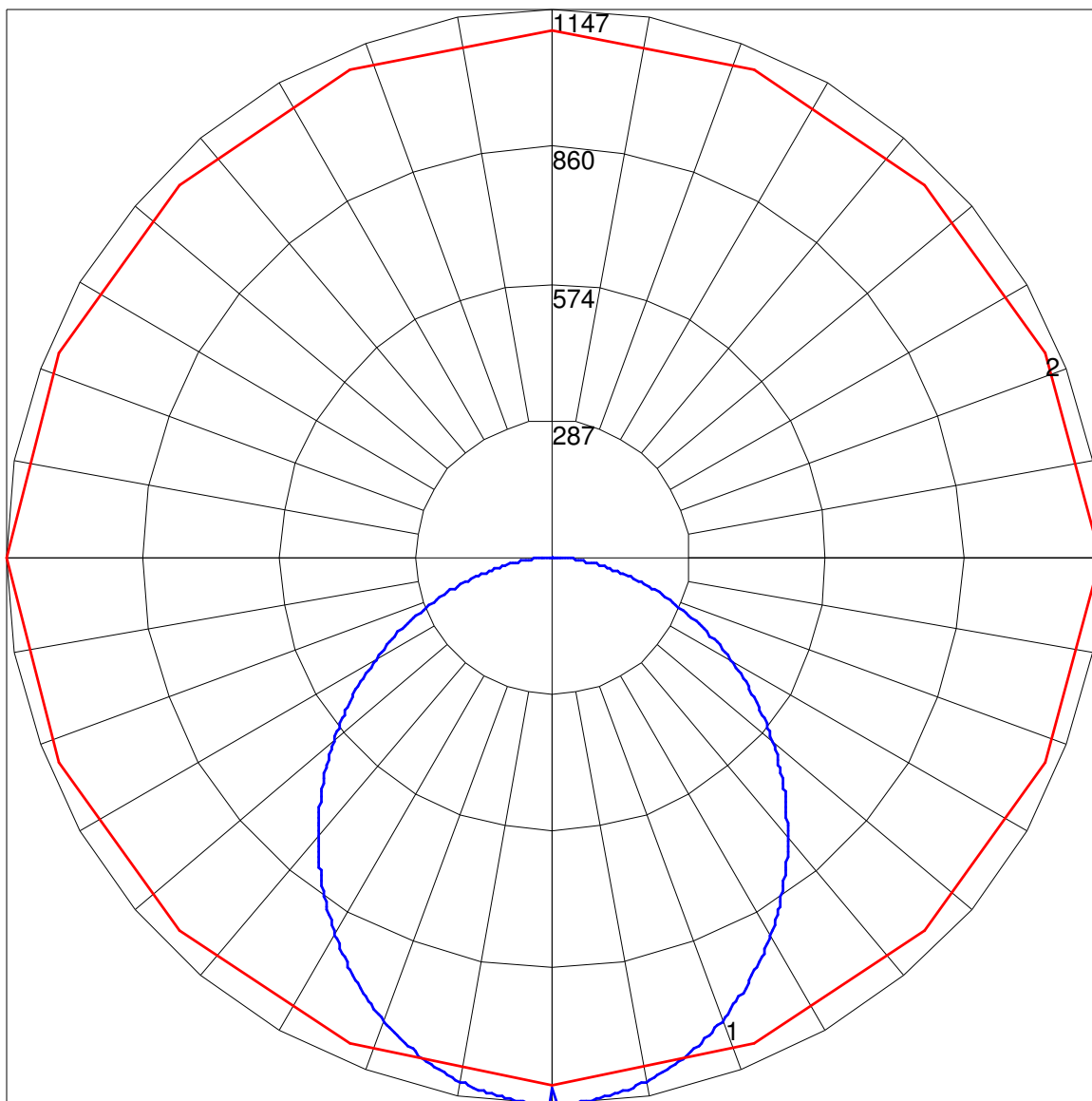
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4D-4'00-L8-835-S-FW-DIM-UNV_.IES

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	18.8	20.4	19.2	20.8	21.1	20.4	22.0	20.7	22.3	22.7
	3H	20.5	22.0	20.8	22.3	22.6	22.1	23.6	22.5	23.9	24.3
	4H	21.0	22.5	21.4	22.8	23.2	22.7	24.2	23.1	24.5	24.9
	6H	21.5	22.8	21.9	23.1	23.5	23.2	24.5	23.6	24.9	25.3
	8H	21.6	22.8	22.0	23.2	23.6	23.3	24.6	23.7	25.0	25.4
	12H	21.6	22.8	22.0	23.2	23.6	23.4	24.6	23.8	25.0	25.4
4H	2H	19.7	21.1	20.1	21.4	21.8	20.9	22.3	21.3	22.7	23.0
	3H	21.6	22.7	22.0	23.1	23.5	22.9	24.1	23.3	24.5	24.9
	4H	22.2	23.3	22.7	23.7	24.2	23.7	24.7	24.1	25.1	25.6
	6H	22.7	23.7	23.2	24.1	24.6	24.2	25.2	24.7	25.6	26.1
	8H	22.9	23.7	23.3	24.2	24.7	24.4	25.3	24.9	25.7	26.2
	12H	23.0	23.7	23.4	24.2	24.7	24.5	25.3	25.0	25.8	26.3
8H	4H	22.7	23.5	23.1	24.0	24.4	23.9	24.8	24.4	25.2	25.7
	6H	23.3	24.0	23.8	24.5	25.0	24.6	25.3	25.1	25.8	26.3
	8H	23.5	24.1	24.0	24.6	25.1	24.8	25.5	25.4	26.0	26.5
	12H	23.6	24.2	24.1	24.7	25.2	25.0	25.6	25.5	26.1	26.6
12H	4H	22.7	23.5	23.2	24.0	24.4	23.9	24.7	24.4	25.2	25.6
	6H	23.4	24.0	23.9	24.5	25.0	24.7	25.3	25.2	25.8	26.3
	8H	23.6	24.2	24.1	24.7	25.2	24.9	25.5	25.4	26.0	26.5

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 1147.061 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.)