



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-FW-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15034137.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 19 SEP 2024
[TEST DATE] 11/2/2023
[MANUFAC] H E Williams Inc
[LUMCAT] MX2D-4-00-L4-835-S-FW-DIM-UNV
[LUMINAIRE] Long white metal housing with plastic frosted lens
[LAMP] 144 LEDs
[BALLAST] eldoLED Optotronic OTI50/120-277/1A4 DIM-1 L G2 #57452
[OTHER] 24.9 C, 119.981 V, 0.338283 A, 39.9716 W, 0.984824 PF, 60.0072 Hz
[OTHER] This test was performed using the calibrated photodetector method
[MORE] of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1383
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	13.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	6177	7865	8171
55	5784	7417	7481
65	5316	6895	6763
75	4435	5698	5523
85	2603	3456	3456

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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	457.722	457.722	457.722	457.722	457.722
0.5	464.894	458.658	455.852	457.099	453.981
1.0	464.894	458.658	456.163	457.411	454.293
1.5	464.582	458.346	456.163	457.722	454.604
2.0	464.582	458.346	456.163	458.034	454.916
2.5	464.270	458.346	456.475	458.346	455.540
3.0	463.958	458.034	456.475	458.970	456.163
3.5	463.647	457.722	456.787	459.281	456.787
4.0	463.335	457.411	456.787	459.905	457.411
4.5	462.711	457.099	456.787	460.529	458.034
5.0	462.088	456.787	457.099	461.152	458.658
5.5	461.464	456.475	457.411	461.776	459.593
6.0	460.840	456.163	457.411	462.399	460.217
6.5	460.217	455.540	457.722	463.023	461.152
7.0	459.281	455.228	457.722	463.647	462.088
7.5	458.346	454.604	457.722	464.582	463.023
8.0	457.722	453.981	458.034	465.206	464.270
8.5	456.475	453.669	458.034	466.141	465.206
9.0	455.540	453.045	458.034	466.765	466.453
9.5	454.604	452.422	458.346	467.700	467.388
10.0	453.357	451.486	458.346	468.324	468.324
10.5	452.110	450.863	458.346	468.947	469.259
11.0	450.863	449.927	458.346	469.883	470.194
11.5	449.616	448.992	458.346	470.506	471.442
12.0	448.368	448.368	458.346	471.442	472.065
12.5	446.809	447.433	458.346	472.065	473.312
13.0	445.250	446.498	458.346	472.689	474.248
13.5	443.691	445.250	458.346	473.312	475.183
14.0	442.132	444.315	458.034	473.936	476.119
14.5	440.573	443.068	458.034	474.560	477.054
15.0	438.703	442.132	457.722	475.183	477.678
15.5	437.144	440.885	457.411	475.807	478.613
16.0	435.273	439.638	457.411	476.430	479.548
16.5	433.402	438.391	457.099	476.742	480.172
17.0	431.531	437.144	456.475	477.054	480.796
17.5	429.660	435.896	456.163	477.366	481.419
18.0	427.790	434.649	455.852	477.678	481.731
18.5	425.607	433.090	455.540	477.989	482.043
19.0	423.424	431.531	454.916	477.989	482.355
19.5	421.242	429.972	454.293	477.989	482.043
20.0	419.059	428.413	453.669	477.678	482.043
20.5	416.877	426.854	453.045	477.366	481.731
21.0	414.382	425.295	452.422	477.054	481.419
21.5	412.200	423.424	451.798	476.742	480.796
22.0	409.705	421.554	450.863	476.119	480.172
22.5	407.211	419.683	449.927	475.495	479.860
23.0	405.028	417.812	449.304	474.560	479.237
23.5	402.222	415.941	448.057	473.624	478.613
24.0	399.728	413.759	447.121	473.001	477.989
24.5	397.233	411.888	445.874	472.065	477.054
25.0	394.739	409.705	444.627	471.130	476.119
25.5	392.244	407.523	443.380	470.194	474.871
26.0	389.438	405.340	442.132	469.259	473.936
26.5	386.632	403.157	440.573	468.324	472.689

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CANDELA TABULATION - (Cont.)

27.0	384.138	400.975	439.014	467.076	471.442
27.5	381.331	398.480	437.767	465.829	470.194
28.0	378.525	396.298	436.208	464.582	468.635
28.5	375.719	393.803	434.649	463.335	467.076
29.0	372.913	391.621	433.090	461.776	465.517
29.5	370.107	389.126	431.531	460.217	463.958
30.0	366.989	386.632	429.660	458.346	462.088
30.5	364.182	384.449	427.790	456.475	460.217
31.0	361.064	381.955	425.919	454.293	458.034
31.5	357.946	379.461	424.048	452.110	455.852
32.0	355.140	376.654	422.177	449.927	453.669
32.5	352.022	374.160	419.995	447.745	450.863
33.0	348.904	371.666	417.812	445.250	448.368
33.5	345.786	368.859	415.318	442.756	445.562
34.0	342.980	366.365	413.135	439.950	442.444
34.5	339.862	363.559	410.641	437.144	439.326
35.0	336.744	360.753	408.146	434.337	436.208
35.5	333.626	357.946	405.652	431.219	433.090
36.0	330.196	354.828	402.846	428.101	429.660
36.5	327.078	352.022	400.039	424.983	426.231
37.0	323.960	348.904	397.233	421.865	422.801
37.5	320.842	345.786	394.427	418.436	419.059
38.0	317.412	342.668	391.309	415.006	415.629
38.5	314.294	339.550	388.191	411.576	411.888
39.0	310.865	336.120	385.385	408.146	408.146
39.5	307.528	333.002	382.267	404.405	404.405
40.0	304.254	329.884	379.149	400.663	400.351
40.5	301.012	326.455	376.031	396.921	396.298
41.0	297.644	323.337	372.913	393.180	392.556
41.5	294.464	320.219	369.483	389.438	388.191
42.0	291.128	317.101	366.365	385.697	384.138
42.5	287.823	313.671	362.935	381.643	380.084
43.0	284.486	310.397	359.505	377.590	375.719
43.5	281.244	307.154	356.076	373.536	371.666
44.0	278.001	303.911	352.646	369.483	367.612
44.5	274.602	300.669	348.904	365.741	363.247
45.0	271.297	297.332	345.474	361.376	358.882
45.5	268.086	293.996	341.733	357.323	354.828
46.0	264.656	290.566	337.991	353.269	350.463
46.5	261.382	287.168	334.250	348.904	346.098
47.0	257.983	283.707	330.508	344.851	341.733
47.5	254.616	280.246	326.455	340.486	337.056
48.0	251.155	276.723	322.713	336.120	332.691
48.5	247.663	273.137	318.660	331.755	328.014
49.0	244.358	269.613	314.606	327.390	323.648
49.5	242.082	266.028	310.740	322.713	318.971
50.0	239.369	262.317	306.593	318.348	314.294
50.5	236.843	258.576	302.508	313.983	309.524
51.0	233.445	254.928	298.299	309.181	304.753
51.5	230.015	251.217	294.121	304.535	299.983
52.0	226.585	247.476	289.849	299.827	295.243
52.5	223.093	243.672	285.515	295.212	290.504
53.0	219.632	241.489	281.244	290.504	285.734
53.5	216.233	238.776	277.003	285.858	280.838
54.0	212.835	235.315	272.669	281.181	276.130
54.5	209.405	231.543	268.460	276.504	271.360

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55.0	206.069	227.832	264.251	271.890	266.558
55.5	202.670	224.153	259.979	267.306	261.912
56.0	199.396	220.443	255.894	262.629	257.297
56.5	196.029	216.826	251.654	258.015	252.464
57.0	192.692	213.209	247.351	253.369	247.912
57.5	189.387	209.592	243.235	248.754	243.298
58.0	186.113	205.944	240.398	244.514	240.148
58.5	182.746	202.327	237.030	241.021	236.376
59.0	179.379	198.710	232.883	237.249	232.353
59.5	176.105	195.062	228.581	233.226	227.770
60.0	172.862	191.445	224.278	228.643	223.280
60.5	169.650	187.766	219.944	224.028	218.697
61.0	166.376	184.149	215.610	219.414	214.051
61.5	163.103	180.501	211.307	214.799	209.436
62.0	159.798	176.822	207.035	210.091	204.759
62.5	156.430	173.143	202.670	205.383	200.082
63.0	153.063	169.401	198.336	200.768	195.499
63.5	149.789	165.659	194.033	196.091	190.946
64.0	146.390	161.918	189.668	191.570	186.363
64.5	142.991	158.145	185.334	186.924	181.966
65.0	139.562	154.372	181.000	182.403	177.539
65.5	136.194	150.506	176.572	177.882	173.080
66.0	132.764	146.671	172.145	173.330	168.684
66.5	129.397	142.836	167.655	168.715	164.256
67.0	125.936	138.969	163.165	164.069	159.735
67.5	122.413	135.103	158.644	159.486	155.245
68.0	118.983	131.237	154.060	154.840	150.631
68.5	115.491	127.464	149.539	150.069	145.922
69.0	111.967	123.535	144.893	145.268	141.214
69.5	108.475	119.669	140.216	140.466	136.506
70.0	104.983	115.709	135.602	135.789	131.829
70.5	101.553	111.874	130.956	131.112	127.246
71.0	98.123	108.101	126.404	126.435	122.756
71.5	94.600	104.266	121.883	121.883	118.266
72.0	91.170	100.524	117.424	117.424	113.838
72.5	87.803	96.814	112.996	112.965	109.535
73.0	84.467	93.135	108.631	108.569	105.264
73.5	81.130	89.455	104.297	104.297	101.054
74.0	77.763	85.870	100.057	100.025	96.939
74.5	74.520	82.315	95.816	95.847	92.885
75.0	71.309	78.730	91.607	91.638	88.801
75.5	68.066	75.175	87.491	87.398	84.778
76.0	64.854	71.620	83.313	83.282	80.787
76.5	61.736	68.159	79.260	79.166	76.859
77.0	58.618	64.605	75.175	75.050	72.899
77.5	55.500	61.144	71.090	70.966	69.001
78.0	52.351	57.652	67.099	66.943	65.166
78.5	49.202	54.160	63.108	62.952	61.331
79.0	46.084	50.792	59.211	58.993	57.527
79.5	43.060	47.394	55.345	55.126	53.910
80.0	40.129	44.089	51.603	51.322	50.262
80.5	37.198	40.783	47.892	47.643	46.739
81.0	34.267	37.603	44.244	43.995	43.184
81.5	31.429	34.516	40.690	40.440	39.848
82.0	28.654	31.523	37.198	37.011	36.512
82.5	26.035	28.592	33.830	33.737	33.300

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CANDELA TABULATION - (Cont.)

83.0	23.479	25.786	30.619	30.556	30.182
83.5	20.922	23.104	27.470	27.438	27.158
84.0	18.521	20.516	24.414	24.539	24.227
84.5	16.276	18.022	21.483	21.639	21.358
85.0	14.093	15.684	18.708	18.895	18.708
85.5	12.004	13.439	16.058	16.276	16.182
86.0	10.071	11.318	13.501	13.813	13.750
86.5	8.294	9.323	11.162	11.505	11.412
87.0	6.641	7.452	8.980	9.354	9.323
87.5	5.114	5.737	6.984	7.390	7.358
88.0	3.742	4.209	5.207	5.612	5.612
88.5	2.557	2.869	3.648	3.991	4.085
89.0	1.528	1.777	2.339	2.681	2.744
89.5	0.748	0.935	1.341	1.653	1.715
90.0	0.312	0.437	0.686	0.935	0.998
90.5	0.156	0.218	0.343	0.468	0.530
91.0	0.156	0.156	0.218	0.249	0.281
91.5	0.156	0.156	0.187	0.187	0.187
92.0	0.156	0.156	0.156	0.156	0.156
92.5	0.156	0.156	0.156	0.156	0.156
93.0	0.156	0.156	0.156	0.156	0.156
93.5	0.156	0.156	0.156	0.156	0.156
94.0	0.125	0.156	0.156	0.156	0.156
94.5	0.125	0.125	0.156	0.156	0.156
95.0	0.125	0.125	0.156	0.125	0.125
95.5	0.125	0.125	0.125	0.125	0.125
96.0	0.125	0.125	0.125	0.125	0.125
96.5	0.125	0.125	0.125	0.125	0.125
97.0	0.125	0.125	0.125	0.125	0.125
97.5	0.125	0.125	0.125	0.125	0.125
98.0	0.125	0.125	0.125	0.125	0.125
98.5	0.125	0.125	0.125	0.125	0.125
99.0	0.125	0.125	0.125	0.125	0.125
99.5	0.094	0.125	0.125	0.125	0.125
100.0	0.094	0.125	0.125	0.125	0.125
100.5	0.094	0.125	0.125	0.125	0.125
101.0	0.094	0.125	0.125	0.125	0.125
101.5	0.094	0.094	0.125	0.125	0.125
102.0	0.094	0.094	0.125	0.125	0.125
102.5	0.094	0.094	0.125	0.125	0.125
103.0	0.094	0.094	0.125	0.125	0.125
103.5	0.094	0.094	0.094	0.125	0.094
104.0	0.094	0.094	0.094	0.094	0.125
104.5	0.094	0.094	0.125	0.125	0.125
105.0	0.094	0.094	0.094	0.125	0.094
105.5	0.094	0.094	0.094	0.094	0.094
106.0	0.094	0.094	0.094	0.125	0.094
106.5	0.094	0.094	0.094	0.094	0.125
107.0	0.094	0.094	0.094	0.125	0.094
107.5	0.094	0.094	0.094	0.094	0.094
108.0	0.094	0.094	0.094	0.125	0.125
108.5	0.094	0.094	0.125	0.125	0.125
109.0	0.094	0.094	0.125	0.125	0.125
109.5	0.094	0.094	0.094	0.125	0.125
110.0	0.094	0.094	0.125	0.125	0.125
110.5	0.094	0.094	0.125	0.125	0.125

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CANDELA TABULATION - (Cont.)

111.0	0.094	0.094	0.125	0.125	0.125
111.5	0.094	0.094	0.125	0.125	0.125
112.0	0.094	0.094	0.125	0.125	0.125
112.5	0.094	0.125	0.125	0.125	0.125
113.0	0.094	0.125	0.125	0.125	0.125
113.5	0.094	0.125	0.125	0.125	0.125
114.0	0.125	0.125	0.125	0.125	0.125
114.5	0.125	0.125	0.125	0.125	0.125
115.0	0.125	0.125	0.125	0.125	0.125
115.5	0.125	0.125	0.125	0.156	0.125
116.0	0.125	0.125	0.156	0.156	0.156
116.5	0.125	0.125	0.156	0.156	0.156
117.0	0.125	0.125	0.156	0.156	0.156
117.5	0.125	0.156	0.156	0.156	0.156
118.0	0.125	0.156	0.156	0.156	0.156
118.5	0.156	0.156	0.156	0.156	0.156
119.0	0.156	0.156	0.156	0.187	0.187
119.5	0.156	0.156	0.187	0.187	0.187
120.0	0.156	0.156	0.187	0.187	0.187
120.5	0.156	0.156	0.187	0.187	0.187
121.0	0.156	0.187	0.187	0.187	0.187
121.5	0.156	0.187	0.187	0.187	0.187
122.0	0.187	0.187	0.187	0.218	0.218
122.5	0.187	0.187	0.218	0.218	0.218
123.0	0.187	0.187	0.218	0.218	0.218
123.5	0.187	0.187	0.218	0.218	0.218
124.0	0.187	0.218	0.218	0.249	0.249
124.5	0.187	0.218	0.218	0.249	0.249
125.0	0.218	0.218	0.249	0.249	0.249
125.5	0.218	0.218	0.249	0.249	0.249
126.0	0.218	0.218	0.249	0.249	0.249
126.5	0.218	0.249	0.249	0.281	0.281
127.0	0.249	0.249	0.281	0.281	0.281
127.5	0.249	0.249	0.281	0.281	0.281
128.0	0.249	0.249	0.281	0.281	0.281
128.5	0.249	0.249	0.281	0.312	0.312
129.0	0.249	0.281	0.281	0.312	0.312
129.5	0.281	0.281	0.312	0.312	0.312
130.0	0.281	0.281	0.312	0.312	0.312
130.5	0.281	0.281	0.312	0.343	0.343
131.0	0.281	0.281	0.312	0.343	0.343
131.5	0.281	0.312	0.343	0.343	0.343
132.0	0.312	0.312	0.343	0.343	0.374
132.5	0.312	0.312	0.343	0.374	0.374
133.0	0.312	0.312	0.343	0.374	0.374
133.5	0.312	0.343	0.374	0.374	0.374
134.0	0.343	0.343	0.374	0.374	0.374
134.5	0.343	0.343	0.374	0.405	0.405
135.0	0.343	0.343	0.374	0.405	0.405
135.5	0.343	0.374	0.374	0.405	0.405
136.0	0.374	0.374	0.405	0.405	0.405
136.5	0.374	0.374	0.405	0.437	0.437
137.0	0.374	0.374	0.405	0.437	0.437
137.5	0.374	0.405	0.405	0.437	0.437
138.0	0.374	0.405	0.437	0.437	0.437
138.5	0.405	0.405	0.437	0.437	0.468

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CANDELA TABULATION - (Cont.)

139.0	0.405	0.405	0.437	0.468	0.468
139.5	0.405	0.405	0.437	0.468	0.468
140.0	0.405	0.437	0.437	0.468	0.468
140.5	0.437	0.437	0.468	0.468	0.468
141.0	0.437	0.437	0.468	0.468	0.499
141.5	0.437	0.437	0.468	0.499	0.499
142.0	0.437	0.468	0.468	0.499	0.499
142.5	0.468	0.468	0.468	0.499	0.499
143.0	0.468	0.468	0.499	0.499	0.530
143.5	0.468	0.468	0.499	0.530	0.530
144.0	0.468	0.468	0.499	0.530	0.530
144.5	0.468	0.499	0.499	0.530	0.530
145.0	0.499	0.499	0.530	0.530	0.530
145.5	0.499	0.499	0.530	0.530	0.530
146.0	0.499	0.499	0.530	0.561	0.561
146.5	0.499	0.499	0.530	0.561	0.561
147.0	0.530	0.530	0.530	0.561	0.561
147.5	0.530	0.530	0.561	0.561	0.561
148.0	0.530	0.530	0.561	0.561	0.561
148.5	0.530	0.530	0.561	0.592	0.592
149.0	0.530	0.561	0.561	0.592	0.592
149.5	0.561	0.561	0.561	0.592	0.592
150.0	0.561	0.561	0.592	0.592	0.592
150.5	0.561	0.561	0.592	0.592	0.592
151.0	0.561	0.561	0.592	0.592	0.592
151.5	0.561	0.561	0.592	0.624	0.624
152.0	0.561	0.592	0.592	0.624	0.624
152.5	0.592	0.592	0.592	0.624	0.624
153.0	0.592	0.592	0.624	0.624	0.624
153.5	0.592	0.592	0.624	0.624	0.624
154.0	0.592	0.592	0.624	0.624	0.624
154.5	0.592	0.592	0.624	0.624	0.624
155.0	0.592	0.624	0.624	0.624	0.624
155.5	0.624	0.624	0.624	0.655	0.655
156.0	0.624	0.624	0.624	0.655	0.655
156.5	0.624	0.624	0.624	0.655	0.655
157.0	0.624	0.624	0.624	0.655	0.655
157.5	0.624	0.624	0.655	0.655	0.655
158.0	0.624	0.624	0.655	0.655	0.655
158.5	0.624	0.655	0.655	0.655	0.655
159.0	0.655	0.655	0.655	0.655	0.655
159.5	0.655	0.655	0.655	0.655	0.655
160.0	0.655	0.655	0.655	0.655	0.655
160.5	0.655	0.655	0.655	0.655	0.655
161.0	0.655	0.655	0.655	0.686	0.655
161.5	0.655	0.655	0.655	0.686	0.686
162.0	0.655	0.655	0.655	0.686	0.686
162.5	0.686	0.655	0.655	0.686	0.686
163.0	0.686	0.655	0.655	0.686	0.686
163.5	0.686	0.655	0.686	0.686	0.686
164.0	0.686	0.655	0.686	0.686	0.686
164.5	0.686	0.655	0.686	0.686	0.686
165.0	0.686	0.686	0.686	0.686	0.686
165.5	0.686	0.686	0.686	0.686	0.686
166.0	0.686	0.686	0.686	0.686	0.717
166.5	0.686	0.686	0.686	0.686	0.717

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.686	0.686	0.686	0.717	0.717
167.5	0.686	0.686	0.686	0.717	0.717
168.0	0.717	0.686	0.686	0.717	0.717
168.5	0.717	0.686	0.686	0.717	0.717
169.0	0.717	0.686	0.717	0.717	0.717
169.5	0.717	0.686	0.717	0.717	0.717
170.0	0.717	0.717	0.717	0.717	0.717
170.5	0.717	0.717	0.717	0.717	0.717
171.0	0.717	0.717	0.717	0.717	0.717
171.5	0.717	0.717	0.717	0.717	0.717
172.0	0.717	0.717	0.717	0.717	0.717
172.5	0.717	0.717	0.717	0.717	0.748
173.0	0.717	0.717	0.717	0.717	0.748
173.5	0.717	0.717	0.717	0.717	0.748
174.0	0.717	0.717	0.717	0.717	0.748
174.5	0.717	0.717	0.717	0.717	0.748
175.0	0.717	0.717	0.717	0.717	0.748
175.5	0.717	0.717	0.717	0.717	0.748
176.0	0.717	0.717	0.717	0.748	0.748
176.5	0.717	0.717	0.717	0.748	0.748
177.0	0.717	0.717	0.717	0.748	0.748
177.5	0.717	0.717	0.717	0.748	0.748
178.0	0.717	0.717	0.717	0.748	0.748
178.5	0.717	0.717	0.748	0.748	0.748
179.0	0.717	0.717	0.748	0.748	0.748
179.5	0.717	0.717	0.748	0.748	0.748
180.0	0.748	0.748	0.748	0.748	0.748

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-FW-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	173.46	N.A.	12.50
0-30	376.38	N.A.	27.20
0-40	624.53	N.A.	45.10
0-60	1102.54	N.A.	79.70
0-80	1360.31	N.A.	98.30
0-90	1381.68	N.A.	99.90
10-90	1337.84	N.A.	96.70
20-40	451.07	N.A.	32.60
20-50	705.24	N.A.	51.00
40-70	645.09	N.A.	46.60
60-80	257.76	N.A.	18.60
70-80	90.69	N.A.	6.60
80-90	21.37	N.A.	1.50
90-110	0.29	N.A.	0.00
90-120	0.43	N.A.	0.00
90-130	0.64	N.A.	0.00
90-150	1.25	N.A.	0.10
90-180	1.80	N.A.	0.10
110-180	1.50	N.A.	0.10
0-180	1383.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.84
10-20	129.63
20-30	202.92
30-40	248.15
40-50	254.17
50-60	223.84
60-70	167.08
70-80	90.69
80-90	21.37
90-100	0.18
100-110	0.11
110-120	0.13
120-130	0.21
130-140	0.29
140-150	0.32
150-160	0.29
160-170	0.19
170-180	0.07

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-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	60	60	60	60	58	58	58	58	56	56	56	53	53	53	51	51	51	50
1	54	52	50	48	53	51	49	47	49	47	46	47	46	44	45	44	43	42
2	50	45	42	39	48	44	41	39	43	40	38	41	39	37	40	38	36	35
3	45	40	36	33	44	39	35	32	38	34	32	36	33	31	35	33	31	29
4	41	35	31	28	40	35	31	27	33	30	27	32	29	27	31	28	26	25
5	38	32	27	24	37	31	27	24	30	26	23	29	26	23	28	25	23	22
6	35	28	24	21	34	28	24	21	27	23	20	26	23	20	25	22	20	19
7	32	26	21	18	32	25	21	18	24	21	18	24	20	18	23	20	18	17
8	30	23	19	16	29	23	19	16	22	19	16	22	18	16	21	18	16	15
9	28	21	17	15	27	21	17	15	21	17	14	20	17	14	20	17	14	13
10	26	20	16	13	26	20	16	13	19	16	13	19	15	13	18	15	13	12

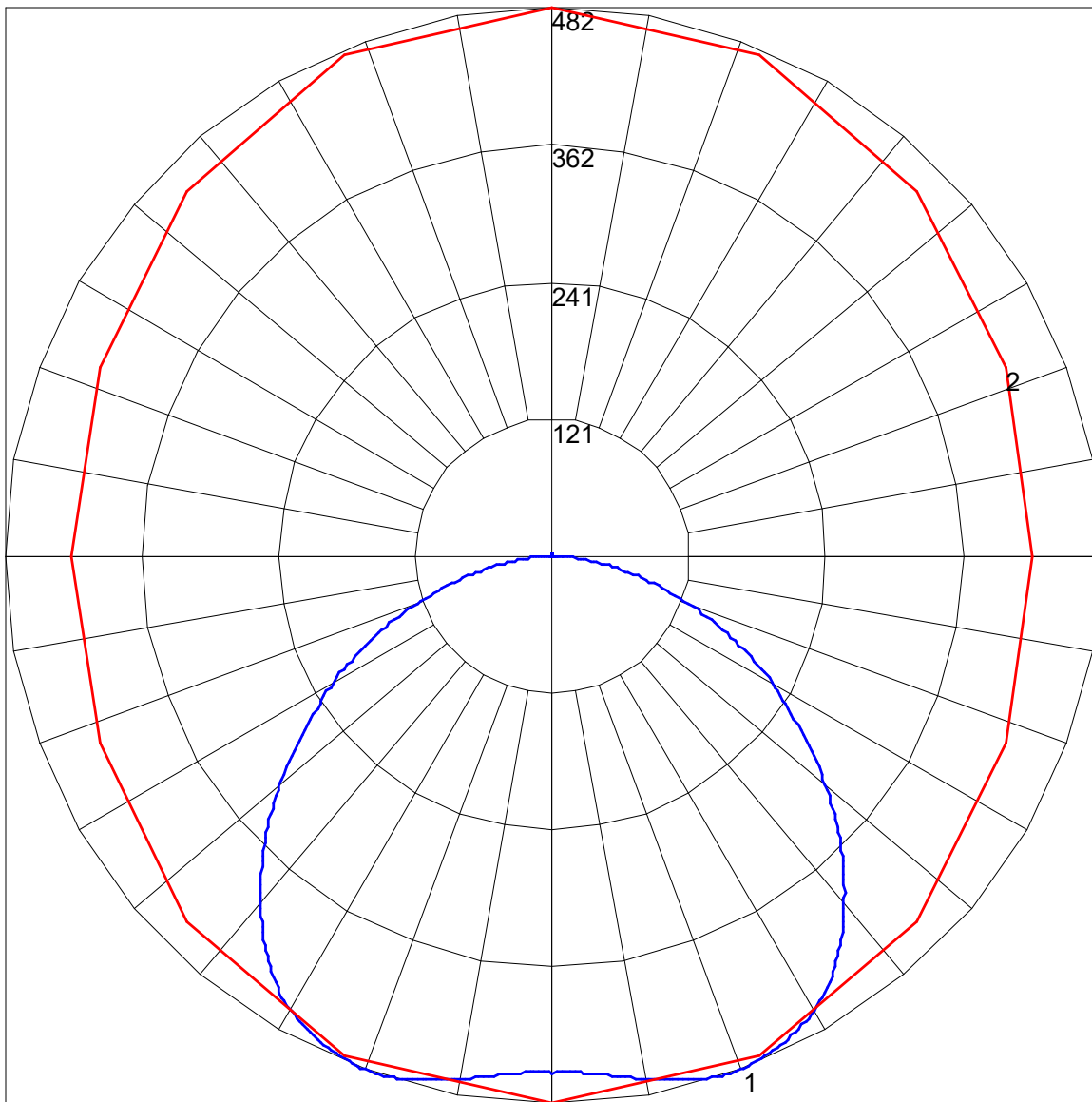
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-835-FW-DIM-UNV_.IES

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	20.5	22.1	20.9	22.4	22.8	21.8	23.4	22.2	23.7	24.0
	3H	22.2	23.6	22.6	24.0	24.3	23.5	25.0	23.9	25.3	25.7
	4H	22.7	24.1	23.1	24.5	24.9	24.1	25.5	24.5	25.8	26.2
	6H	23.1	24.4	23.5	24.8	25.2	24.5	25.8	24.9	26.1	26.5
	8H	23.2	24.5	23.7	24.9	25.2	24.6	25.8	25.0	26.2	26.6
	12H	23.3	24.5	23.7	24.8	25.3	24.6	25.8	25.1	26.2	26.6
4H	2H	21.4	22.8	21.8	23.2	23.5	22.4	23.8	22.8	24.1	24.5
	3H	23.3	24.4	23.7	24.8	25.2	24.3	25.5	24.7	25.9	26.3
	4H	23.9	25.0	24.4	25.4	25.8	25.0	26.1	25.5	26.5	26.9
	6H	24.4	25.3	24.9	25.8	26.2	25.5	26.5	26.0	26.9	27.4
	8H	24.6	25.4	25.0	25.9	26.3	25.7	26.5	26.2	27.0	27.5
	12H	24.6	25.4	25.1	25.9	26.3	25.8	26.5	26.3	27.0	27.5
8H	4H	24.3	25.2	24.8	25.6	26.1	25.3	26.1	25.8	26.6	27.1
	6H	24.9	25.6	25.4	26.1	26.6	25.9	26.6	26.4	27.1	27.6
	8H	25.1	25.7	25.6	26.3	26.7	26.1	26.7	26.6	27.3	27.7
	12H	25.2	25.8	25.7	26.3	26.8	26.3	26.8	26.8	27.3	27.9
12H	4H	24.4	25.1	24.9	25.6	26.1	25.3	26.1	25.8	26.6	27.0
	6H	25.0	25.6	25.5	26.1	26.6	26.0	26.6	26.5	27.1	27.6
	8H	25.2	25.8	25.7	26.3	26.8	26.2	26.8	26.7	27.2	27.8

Maximum UGR = 27.9

POLAR GRAPH



Maximum Candela = 482.355 Located At Horizontal Angle = 90, Vertical Angle = 19
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (19) (Through Max. Cd.)