



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-3-00-L4-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 17-JAN-2024
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] MX2D-3-00-L4-835-F-DIM-UNV
[LUMINAIRE] TWO INCH WIDE, SUSPENDED LED LUMINAIRE
[MORE] WITH FLAT DIFFUSE ACRYLIC LENS
[LAMP] LED
[BALLAST] 0-10V DIMMING DRIVER
[LAMPCAT] HLMX 80 CRI 3500K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1127
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	10.2
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)	3.00 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	8310	7605	6971
55	7331	6665	6036
65	6445	5797	5249
75	5314	4868	4519
85	3833	4122	4216

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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	498.364	498.364	498.364	498.364	498.364
0.5	497.607	501.394	497.228	497.228	496.471
1.0	497.228	501.394	497.228	497.228	496.471
1.5	497.228	501.015	497.228	497.228	496.471
2.0	497.228	501.015	496.849	497.228	496.471
2.5	496.849	500.636	496.849	497.228	496.471
3.0	496.471	500.636	496.471	497.228	496.092
3.5	496.092	500.258	496.092	496.849	495.713
4.0	495.713	499.879	495.713	496.471	495.335
4.5	495.335	499.500	494.956	496.092	494.956
5.0	494.577	498.743	494.577	495.713	494.199
5.5	494.199	498.364	493.820	494.956	493.820
6.0	493.441	497.607	493.441	494.199	493.062
6.5	492.684	496.849	492.684	493.062	491.926
7.0	491.926	496.092	491.926	491.926	490.790
7.5	491.169	495.335	491.169	490.790	489.654
8.0	490.412	494.577	490.033	489.275	488.518
8.5	489.275	493.441	489.275	488.139	487.003
9.0	488.139	492.684	488.139	486.625	485.489
9.5	487.382	491.548	487.003	485.110	483.595
10.0	486.246	490.412	485.489	483.216	481.702
10.5	485.110	489.275	484.352	481.702	479.808
11.0	483.974	488.139	482.459	479.808	477.536
11.5	482.459	486.625	480.944	477.915	475.642
12.0	481.323	485.489	479.429	476.021	473.370
12.5	479.808	483.974	477.536	473.749	471.098
13.0	478.293	482.459	475.642	471.855	468.826
13.5	476.779	480.944	473.749	469.583	466.932
14.0	475.264	479.429	471.855	467.311	464.282
14.5	473.370	477.536	469.583	465.039	461.631
15.0	471.477	475.642	467.311	462.388	459.358
15.5	469.962	474.128	465.039	459.737	456.708
16.0	468.069	471.855	462.767	457.465	454.057
16.5	466.175	469.962	460.495	454.814	451.406
17.0	464.282	467.690	457.844	451.785	448.376
17.5	462.388	465.796	455.193	449.134	445.725
18.0	460.116	463.524	452.542	446.104	442.696
18.5	458.222	461.252	449.891	443.453	439.666
19.0	455.950	458.980	447.240	440.424	436.637
19.5	453.678	456.329	444.589	437.394	433.607
20.0	451.406	454.057	441.560	434.365	430.578
20.5	449.134	451.406	438.530	430.956	427.169
21.0	446.483	448.755	435.879	427.548	423.761
21.5	444.211	446.104	432.850	424.140	420.353
22.0	441.560	443.453	429.820	420.731	416.566
22.5	439.288	440.802	426.791	417.323	412.779
23.0	436.637	438.152	423.382	413.536	409.371
23.5	433.986	435.122	420.353	410.128	405.205
24.0	430.956	432.471	417.323	406.341	401.418
24.5	428.305	429.441	413.915	402.554	397.631
25.0	425.276	426.412	410.507	399.146	393.844
25.5	422.625	423.004	407.477	395.359	390.057
26.0	419.217	419.974	403.690	391.193	386.270
26.5	416.187	416.566	400.282	387.406	382.483

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CANDELA TABULATION - (Cont.)

27.0	412.779	413.536	396.874	383.998	378.658
27.5	409.749	410.128	393.087	380.211	374.758
28.0	406.341	406.720	389.678	376.083	371.009
28.5	402.933	403.311	385.891	372.334	367.184
29.0	399.524	399.524	382.104	368.547	363.435
29.5	395.359	396.116	378.242	364.647	359.383
30.0	391.951	392.329	374.379	360.935	355.406
30.5	388.542	388.542	370.365	356.883	351.430
31.0	384.755	384.755	366.313	352.983	347.492
31.5	380.968	380.968	362.261	348.855	343.250
32.0	377.295	377.068	358.209	344.689	339.160
32.5	373.546	372.902	354.081	340.448	335.146
33.0	369.797	368.888	349.953	336.206	330.829
33.5	365.972	364.760	345.788	331.889	326.739
34.0	362.109	360.595	341.470	327.572	322.270
34.5	358.209	356.391	337.343	323.179	317.953
35.0	354.422	352.263	333.063	318.711	313.523
35.5	350.445	348.135	328.746	314.394	308.902
36.0	346.393	343.818	324.543	309.849	304.245
36.5	342.644	339.615	320.188	305.305	299.359
37.0	338.517	335.411	315.719	300.761	294.512
37.5	334.427	331.208	311.326	296.178	289.703
38.0	330.450	326.928	306.858	291.596	284.893
38.5	326.323	322.763	302.465	286.862	280.879
39.0	322.119	318.559	298.148	282.507	276.941
39.5	317.915	314.394	293.793	278.834	272.358
40.0	313.636	310.266	289.400	274.668	267.890
40.5	309.433	306.100	285.158	270.200	263.573
41.0	305.305	302.010	281.826	265.883	259.407
41.5	301.063	297.882	277.812	261.717	255.355
42.0	296.898	293.679	274.062	257.627	251.454
42.5	292.656	289.551	269.935	253.726	247.667
43.0	288.567	285.348	265.958	249.902	243.994
43.5	284.628	282.091	262.020	246.153	240.358
44.0	281.182	278.342	258.157	242.479	236.799
44.5	277.887	274.365	254.332	238.844	233.201
45.0	273.759	270.465	250.545	235.284	229.641
45.5	269.745	266.375	246.796	231.724	226.120
46.0	265.731	262.323	243.085	228.202	222.560
46.5	261.755	258.309	239.412	224.643	219.076
47.0	257.741	254.370	235.738	221.121	215.554
47.5	253.764	250.432	232.027	217.523	212.032
48.0	249.864	246.493	228.316	213.963	208.548
48.5	246.001	242.593	224.567	210.441	205.064
49.0	242.138	238.692	220.818	206.920	201.618
49.5	238.276	234.867	217.031	203.436	198.210
50.0	234.413	231.005	213.320	199.952	194.801
50.5	230.550	227.142	209.608	196.505	191.431
51.0	226.688	223.317	205.935	193.097	188.061
51.5	222.749	219.492	202.300	189.651	184.690
52.0	218.886	215.592	198.702	186.243	181.320
52.5	214.986	211.805	195.218	182.835	177.987
53.0	211.161	208.018	191.734	179.464	174.617
53.5	207.336	204.269	188.326	176.094	171.246
54.0	203.511	200.558	184.879	172.723	167.914
54.5	199.687	196.884	181.471	169.353	164.581

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CANDELA TABULATION - (Cont.)

55.0	195.900	193.211	178.101	166.020	161.287
55.5	192.188	189.575	174.730	162.726	158.030
56.0	188.515	185.902	171.360	159.507	154.811
56.5	184.879	182.266	167.990	156.288	151.706
57.0	181.320	178.669	164.581	153.107	148.638
57.5	177.760	175.147	161.211	149.964	145.609
58.0	174.276	171.663	157.841	146.821	142.617
58.5	170.792	168.179	154.508	143.715	139.625
59.0	167.308	164.733	151.251	140.648	136.671
59.5	163.862	161.287	147.957	137.656	133.755
60.0	160.491	157.841	144.700	134.702	130.877
60.5	157.083	154.432	141.519	131.748	127.961
61.0	153.713	151.062	138.376	128.832	125.121
61.5	150.305	147.767	135.232	125.916	122.319
62.0	146.934	144.473	132.127	123.076	119.592
62.5	143.564	141.216	129.060	120.274	116.828
63.0	140.231	137.921	126.030	117.472	114.101
63.5	136.899	134.627	123.038	114.669	111.412
64.0	133.566	131.332	120.047	111.943	108.724
64.5	130.234	128.037	117.093	109.178	106.035
65.0	126.901	124.780	114.139	106.452	103.346
65.5	123.606	121.561	111.223	103.687	100.695
66.0	120.312	118.343	108.307	100.960	98.196
66.5	117.017	115.162	105.391	98.234	95.545
67.0	113.798	111.905	102.475	95.507	92.932
67.5	110.541	108.686	99.559	92.818	90.281
68.0	107.285	105.467	96.681	90.130	87.706
68.5	104.066	102.286	93.765	87.479	85.131
69.0	100.847	99.143	90.887	84.866	82.594
69.5	97.590	95.999	88.009	82.253	80.056
70.0	94.447	92.856	85.207	79.678	77.595
70.5	91.304	89.751	82.404	77.140	75.133
71.0	88.160	86.608	79.640	74.603	72.710
71.5	85.093	83.578	76.875	72.142	70.324
72.0	82.026	80.549	74.149	69.680	67.976
72.5	78.996	77.595	71.498	67.256	65.666
73.0	75.966	74.641	68.885	64.871	63.356
73.5	72.937	71.725	66.272	62.485	61.084
74.0	69.945	68.809	63.697	60.137	58.849
74.5	66.991	65.931	61.197	57.865	56.653
75.0	64.075	63.129	58.698	55.593	54.494
75.5	61.197	60.326	56.236	53.358	52.374
76.0	58.319	57.638	53.775	51.124	50.253
76.5	55.517	54.911	51.389	48.928	48.170
77.0	52.715	52.260	49.003	46.807	46.125
77.5	49.988	49.609	46.731	44.686	44.080
78.0	47.299	47.034	44.459	42.641	42.073
78.5	44.648	44.497	42.225	40.596	40.104
79.0	42.073	41.997	40.066	38.627	38.173
79.5	39.498	39.612	37.907	36.658	36.279
80.0	37.036	37.264	35.749	34.689	34.386
80.5	34.613	34.954	33.704	32.795	32.530
81.0	32.265	32.681	31.697	30.902	30.712
81.5	29.955	30.485	29.652	29.046	28.895
82.0	27.721	28.289	27.721	27.228	27.153
82.5	25.524	26.168	25.751	25.448	25.373

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CANDELA TABULATION - (Cont.)

83.0	23.441	24.085	23.858	23.706	23.669
83.5	21.358	22.078	22.002	21.964	21.964
84.0	19.389	20.147	20.185	20.260	20.336
84.5	17.458	18.253	18.443	18.632	18.708
85.0	15.564	16.398	16.738	17.003	17.117
85.5	13.785	14.618	15.072	15.413	15.602
86.0	12.043	12.876	13.444	13.860	14.050
86.5	10.376	11.247	11.853	12.345	12.611
87.0	8.748	9.619	10.301	10.869	11.172
87.5	7.157	8.066	8.824	9.430	9.732
88.0	5.605	6.551	7.347	7.990	8.369
88.5	4.090	5.037	5.870	6.627	7.044
89.0	2.537	3.484	4.355	5.037	5.453
89.5	1.022	1.893	2.462	2.764	3.030
90.0	0.227	0.871	1.325	1.704	1.856
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

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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-3-00-L4-835-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-3-00-L4-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	178.62	N.A.	15.80
0-30	367.69	N.A.	32.60
0-40	576.42	N.A.	51.10
0-60	931.21	N.A.	82.60
0-80	1108.3	N.A.	98.30
0-90	1127.14	N.A.	100.00
10-90	1080.12	N.A.	95.80
20-40	397.80	N.A.	35.30
20-50	592.27	N.A.	52.50
40-70	468.88	N.A.	41.60
60-80	177.09	N.A.	15.70
70-80	63.00	N.A.	5.60
80-90	18.84	N.A.	1.70
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1127.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.02
10-20	131.60
20-30	189.07
30-40	208.73
40-50	194.47
50-60	160.32
60-70	114.09
70-80	63.00
80-90	18.84
90-100	0.03
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-3-00-L4-835-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-3-00-L4-835-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

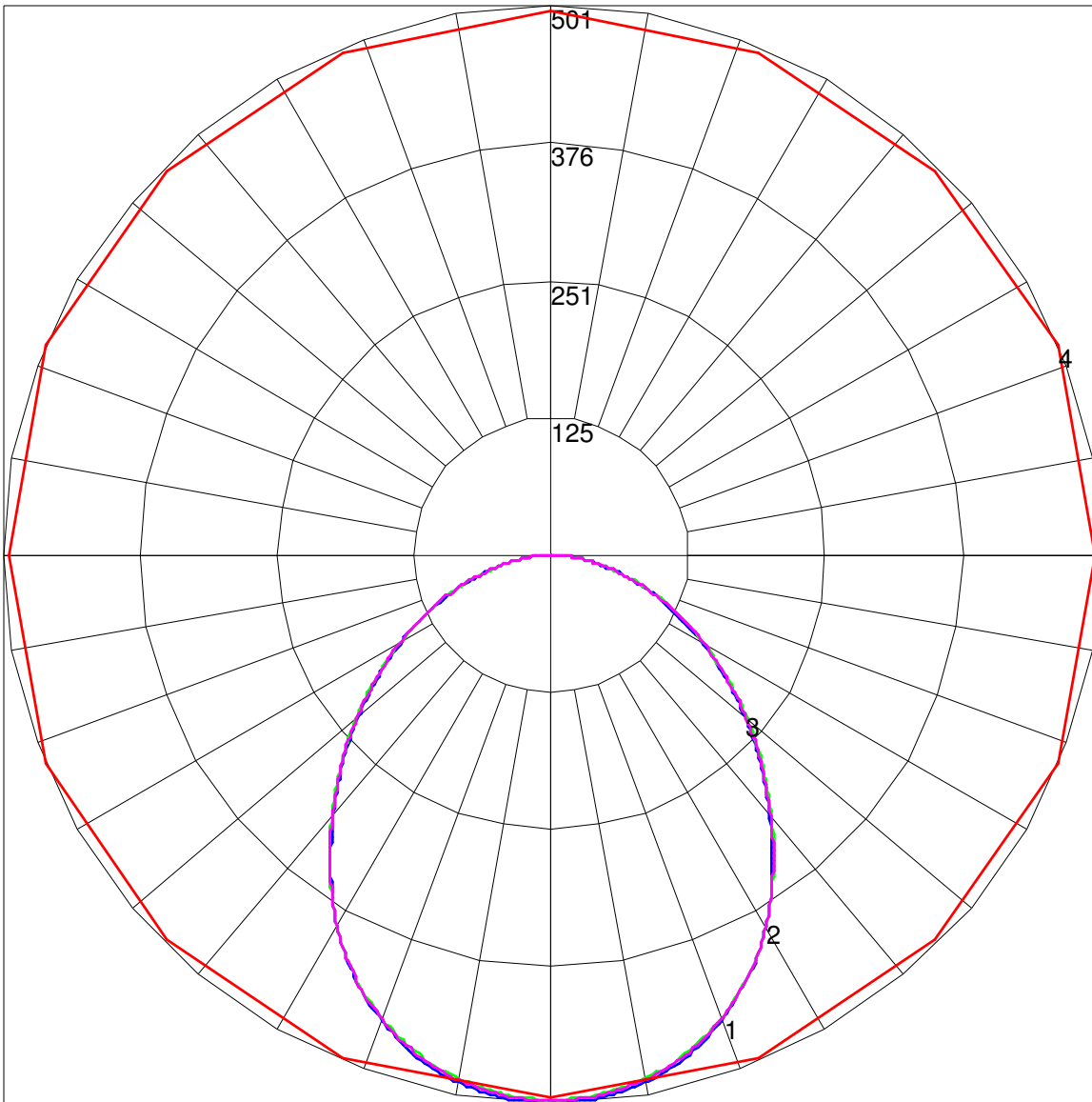
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.8	20.4	19.2	20.7	21.0	17.7	19.2	18.0	19.5	19.9
	3H	20.5	21.9	20.8	22.2	22.6	19.3	20.7	19.7	21.0	21.4
	4H	21.0	22.4	21.4	22.7	23.1	19.9	21.2	20.3	21.6	21.9
	6H	21.5	22.7	21.9	23.0	23.4	20.4	21.6	20.8	21.9	22.3
	8H	21.6	22.7	22.0	23.1	23.5	20.5	21.7	20.9	22.1	22.5
	12H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.2	22.6
4H	2H	19.3	20.6	19.7	20.9	21.3	18.3	19.7	18.7	20.0	20.4
	3H	21.1	22.2	21.5	22.6	23.0	20.2	21.3	20.6	21.7	22.1
	4H	21.9	22.9	22.3	23.3	23.7	20.9	21.9	21.3	22.3	22.7
	6H	22.4	23.3	22.9	23.7	24.2	21.5	22.3	21.9	22.8	23.2
	8H	22.6	23.4	23.0	23.8	24.3	21.7	22.5	22.2	23.0	23.4
	12H	22.7	23.4	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.6
8H	4H	22.1	22.9	22.5	23.3	23.8	21.2	22.0	21.7	22.5	22.9
	6H	22.7	23.4	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.6
	8H	23.0	23.6	23.5	24.1	24.6	22.2	22.8	22.8	23.3	23.8
	12H	23.2	23.7	23.7	24.2	24.8	22.5	23.0	23.0	23.5	24.1
12H	4H	22.1	22.8	22.6	23.3	23.8	21.2	22.0	21.7	22.5	22.9
	6H	22.8	23.4	23.3	23.9	24.4	22.0	22.6	22.5	23.1	23.6
	8H	23.1	23.6	23.6	24.1	24.7	22.4	22.9	22.9	23.4	23.9

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 501.394 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (5 - 185)
3 - Vertical Plane Through Horizontal Angles (10 - 190)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)