



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 6-20-2025
[MANUFAC] H E Williams Inc
[LUMCAT] MX2D-4'00-L4/935-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs
[BALLAST] One Philips Advance XI040C110V054BST1 Driver
[OTHER] 24.6 C, 119.988 V, 0.225834 A, 26.9225 W, 0.993544 PF, 59.9999
[MORE] 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	1407
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	12.6
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	7864	7197	6597
55	6937	6307	5712
65	6099	5486	4967
75	5029	4607	4277
85	3627	3901	3989

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-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	622.205	622.205	622.205	622.205	622.205
0.5	621.259	625.987	620.786	620.786	619.841
1.0	620.786	625.987	620.786	620.786	619.841
1.5	620.786	625.514	620.786	620.786	619.841
2.0	620.786	625.514	620.314	620.786	619.841
2.5	620.314	625.042	620.314	620.786	619.841
3.0	619.841	625.042	619.841	620.786	619.368
3.5	619.368	624.569	619.368	620.314	618.895
4.0	618.895	624.096	618.895	619.841	618.422
4.5	618.422	623.623	617.950	619.368	617.950
5.0	617.477	622.678	617.477	618.895	617.004
5.5	617.004	622.205	616.531	617.950	616.531
6.0	616.058	621.259	616.058	617.004	615.586
6.5	615.113	620.314	615.113	615.586	614.167
7.0	614.167	619.368	614.167	614.167	612.749
7.5	613.222	618.422	613.222	612.749	611.330
8.0	612.276	617.477	611.803	610.858	609.912
8.5	610.858	616.058	610.858	609.439	608.021
9.0	609.439	615.113	609.439	607.548	606.130
9.5	608.494	613.694	608.021	605.657	603.766
10.0	607.075	612.276	606.130	603.293	601.402
10.5	605.657	610.858	604.711	601.402	599.038
11.0	604.238	609.439	602.347	599.038	596.201
11.5	602.347	607.548	600.456	596.674	593.837
12.0	600.929	606.130	598.565	594.310	591.000
12.5	599.038	604.238	596.201	591.473	588.163
13.0	597.146	602.347	593.837	589.109	585.326
13.5	595.255	600.456	591.473	586.272	582.962
14.0	593.364	598.565	589.109	583.435	579.653
14.5	591.000	596.201	586.272	580.598	576.343
15.0	588.636	593.837	583.435	577.289	573.506
15.5	586.745	591.946	580.598	573.979	570.197
16.0	584.381	589.109	577.762	571.142	566.887
16.5	582.017	586.745	574.925	567.833	563.578
17.0	579.653	583.908	571.615	564.050	559.795
17.5	577.289	581.544	568.306	560.741	556.486
18.0	574.452	578.707	564.996	556.958	552.703
18.5	572.088	575.870	561.686	553.649	548.921
19.0	569.251	573.034	558.377	549.866	545.138
19.5	566.414	569.724	555.067	546.084	541.356
20.0	563.578	566.887	551.285	542.302	537.574
20.5	560.741	563.578	547.502	538.046	533.318
21.0	557.431	560.268	544.193	533.791	529.063
21.5	554.594	556.958	540.410	529.536	524.808
22.0	551.285	553.649	536.628	525.281	520.080
22.5	548.448	550.339	532.846	521.026	515.352
23.0	545.138	547.030	528.590	516.298	511.097
23.5	541.829	543.247	524.808	512.042	505.896
24.0	538.046	539.938	521.026	507.314	501.168
24.5	534.737	536.155	516.770	502.586	496.440
25.0	530.954	532.373	512.515	498.331	491.712
25.5	527.645	528.118	508.733	493.603	486.984
26.0	523.390	524.335	504.005	488.402	482.256
26.5	519.607	520.080	499.750	483.674	477.528

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	515.352	516.298	495.494	479.419	472.753
27.5	511.570	512.042	490.766	474.691	467.883
28.0	507.314	507.787	486.511	469.538	463.202
28.5	503.059	503.532	481.783	464.857	458.427
29.0	498.804	498.804	477.055	460.129	453.746
29.5	493.603	494.549	472.233	455.259	448.687
30.0	489.348	489.821	467.410	450.626	443.723
30.5	485.093	485.093	462.398	445.567	438.758
31.0	480.365	480.365	457.339	440.697	433.841
31.5	475.637	475.637	452.280	435.543	428.546
32.0	471.051	470.767	447.222	430.343	423.440
32.5	466.370	465.566	442.068	425.047	418.428
33.0	461.689	460.554	436.914	419.752	413.038
33.5	456.914	455.401	431.714	414.362	407.932
34.0	452.091	450.200	426.324	408.972	402.353
34.5	447.222	444.952	421.170	403.488	396.963
35.0	442.494	439.799	415.828	397.908	391.431
35.5	437.529	434.645	410.438	392.519	385.663
36.0	432.470	429.255	405.190	386.845	379.848
36.5	427.789	424.007	399.752	381.171	373.748
37.0	422.636	418.759	394.173	375.498	367.697
37.5	417.530	413.511	388.689	369.777	361.692
38.0	412.565	408.168	383.110	364.056	355.687
38.5	407.412	402.967	377.625	358.146	350.676
39.0	402.164	397.719	372.235	352.709	345.759
39.5	396.916	392.519	366.798	348.123	340.038
40.0	391.573	387.365	361.314	342.922	334.459
40.5	386.325	382.164	356.018	337.343	329.069
41.0	381.171	377.058	351.858	331.953	323.868
41.5	375.876	371.904	346.846	326.752	318.809
42.0	370.675	366.656	342.165	321.646	313.939
42.5	365.380	361.503	337.012	316.776	309.211
43.0	360.274	356.255	332.047	312.001	304.625
43.5	355.356	352.189	327.130	307.320	300.086
44.0	351.054	347.508	322.308	302.734	295.642
44.5	346.941	342.544	317.532	298.195	291.150
45.0	341.787	337.674	312.804	293.751	286.706
45.5	336.775	332.568	308.124	289.306	282.309
46.0	331.764	327.509	303.490	284.909	277.865
46.5	326.799	322.497	298.904	280.465	273.515
47.0	321.788	317.580	294.318	276.068	269.118
47.5	316.823	312.663	289.685	271.576	264.721
48.0	311.953	307.746	285.051	267.132	260.371
48.5	307.131	302.876	280.370	262.735	256.021
49.0	302.308	298.006	275.690	258.338	251.719
49.5	297.486	293.231	270.962	253.988	247.464
50.0	292.663	288.408	266.328	249.638	243.208
50.5	287.841	283.585	261.695	245.336	239.000
51.0	283.018	278.810	257.109	241.081	234.792
51.5	278.101	274.035	252.570	236.778	230.585
52.0	273.278	269.165	248.078	232.523	226.377
52.5	268.409	264.437	243.728	228.268	222.216
53.0	263.633	259.709	239.379	224.060	218.008
53.5	258.858	255.028	235.123	219.852	213.800
54.0	254.083	250.395	230.821	215.644	209.640
54.5	249.307	245.809	226.566	211.436	205.479

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	244.579	241.223	222.358	207.276	201.366
55.5	239.946	236.684	218.150	203.162	197.299
56.0	235.360	232.098	213.942	199.143	193.281
56.5	230.821	227.559	209.734	195.125	189.404
57.0	226.377	223.067	205.479	191.153	185.574
57.5	221.932	218.670	201.271	187.229	181.792
58.0	217.583	214.320	197.063	183.305	178.056
58.5	213.233	209.970	192.902	179.428	174.321
59.0	208.883	205.668	188.836	175.598	170.634
59.5	204.581	201.366	184.723	171.863	166.993
60.0	200.373	197.063	180.657	168.175	163.400
60.5	196.117	192.808	176.685	164.487	159.759
61.0	191.910	188.600	172.761	160.847	156.213
61.5	187.654	184.487	168.837	157.206	152.714
62.0	183.446	180.373	164.960	153.660	149.310
62.5	179.238	176.307	161.130	150.161	145.859
63.0	175.078	172.194	157.348	146.663	142.455
63.5	170.917	168.080	153.613	143.164	139.098
64.0	166.757	163.967	149.878	139.760	135.741
64.5	162.596	159.854	146.190	136.308	132.384
65.0	158.435	155.788	142.502	132.904	129.027
65.5	154.322	151.769	138.861	129.453	125.718
66.0	150.209	147.750	135.221	126.048	122.597
66.5	146.095	143.778	131.580	122.644	119.287
67.0	142.076	139.712	127.940	119.240	116.025
67.5	138.010	135.694	124.299	115.883	112.716
68.0	133.944	131.675	120.706	112.526	109.500
68.5	129.925	127.703	117.065	109.217	106.285
69.0	125.907	123.779	113.472	105.954	103.118
69.5	121.841	119.855	109.879	102.692	99.950
70.0	117.916	115.931	106.380	99.477	96.877
70.5	113.992	112.054	102.881	96.309	93.804
71.0	110.068	108.129	99.430	93.142	90.778
71.5	106.238	104.347	95.978	90.068	87.799
72.0	102.408	100.565	92.574	86.995	84.868
72.5	98.626	96.877	89.265	83.969	81.984
73.0	94.844	93.189	86.002	80.991	79.099
73.5	91.061	89.548	82.740	78.012	76.263
74.0	87.326	85.908	79.525	75.081	73.473
74.5	83.638	82.314	76.404	72.244	70.731
75.0	79.998	78.816	73.284	69.407	68.036
75.5	76.404	75.317	70.211	66.618	65.388
76.0	72.811	71.960	67.138	63.828	62.741
76.5	69.312	68.556	64.159	61.086	60.140
77.0	65.814	65.246	61.180	58.438	57.587
77.5	62.410	61.937	58.344	55.790	55.034
78.0	59.053	58.722	55.507	53.237	52.528
78.5	55.743	55.554	52.717	50.684	50.070
79.0	52.528	52.434	50.022	48.226	47.658
79.5	49.313	49.455	47.327	45.767	45.294
80.0	46.240	46.524	44.632	43.308	42.930
80.5	43.214	43.639	42.079	40.944	40.614
81.0	40.283	40.803	39.573	38.580	38.344
81.5	37.398	38.060	37.020	36.264	36.075
82.0	34.609	35.318	34.609	33.994	33.900
82.5	31.867	32.670	32.150	31.772	31.678

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	29.266	30.070	29.786	29.597	29.550
83.5	26.666	27.564	27.470	27.422	27.422
84.0	24.207	25.153	25.200	25.295	25.389
84.5	21.796	22.789	23.025	23.262	23.356
85.0	19.432	20.472	20.898	21.229	21.371
85.5	17.210	18.250	18.817	19.243	19.479
86.0	15.035	16.075	16.784	17.304	17.541
86.5	12.955	14.042	14.799	15.413	15.744
87.0	10.922	12.009	12.860	13.569	13.948
87.5	8.936	10.071	11.016	11.773	12.151
88.0	6.997	8.179	9.172	9.976	10.449
88.5	5.106	6.288	7.328	8.274	8.794
89.0	3.168	4.350	5.437	6.288	6.808
89.5	1.277	2.364	3.073	3.451	3.782
90.0	0.284	1.087	1.655	2.128	2.317
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

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-L4-935-F-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 : MX2D-4-00-L4-935-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-4-00-L4-935-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	223.00	N.A.	15.80
0-30	459.06	N.A.	32.60
0-40	719.66	N.A.	51.10
0-60	1162.61	N.A.	82.60
0-80	1383.7	N.A.	98.30
0-90	1407.22	N.A.	100.00
10-90	1348.52	N.A.	95.80
20-40	496.65	N.A.	35.30
20-50	739.45	N.A.	52.50
40-70	585.40	N.A.	41.60
60-80	221.09	N.A.	15.70
70-80	78.65	N.A.	5.60
80-90	23.52	N.A.	1.70
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1407.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.70
10-20	164.30
20-30	236.06
30-40	260.60
40-50	242.80
50-60	200.16
60-70	142.44
70-80	78.65
80-90	23.52
90-100	0.04
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-L4-935-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	111	111	111	111	109	109	109	109	104	104	104	100	100	100	96	96	96	94
1	102	98	94	91	100	96	93	90	92	89	87	89	86	84	85	83	82	80
2	94	86	80	75	91	85	79	74	81	77	73	78	75	71	76	72	70	68
3	86	77	69	64	84	75	68	63	72	67	62	70	65	61	68	63	60	58
4	79	68	61	55	77	67	60	54	65	59	54	63	57	53	61	56	52	50
5	73	62	54	48	71	61	53	47	59	52	47	57	51	46	55	50	46	44
6	68	56	48	42	66	55	47	42	53	46	41	52	46	41	50	45	41	39
7	63	51	43	37	61	50	43	37	49	42	37	47	41	37	46	41	37	35
8	59	47	39	34	57	46	39	34	45	38	33	44	38	33	43	37	33	31
9	55	43	36	31	54	42	35	30	41	35	30	40	34	30	39	34	30	28
10	52	40	33	28	51	39	32	28	38	32	28	38	32	28	37	31	27	26

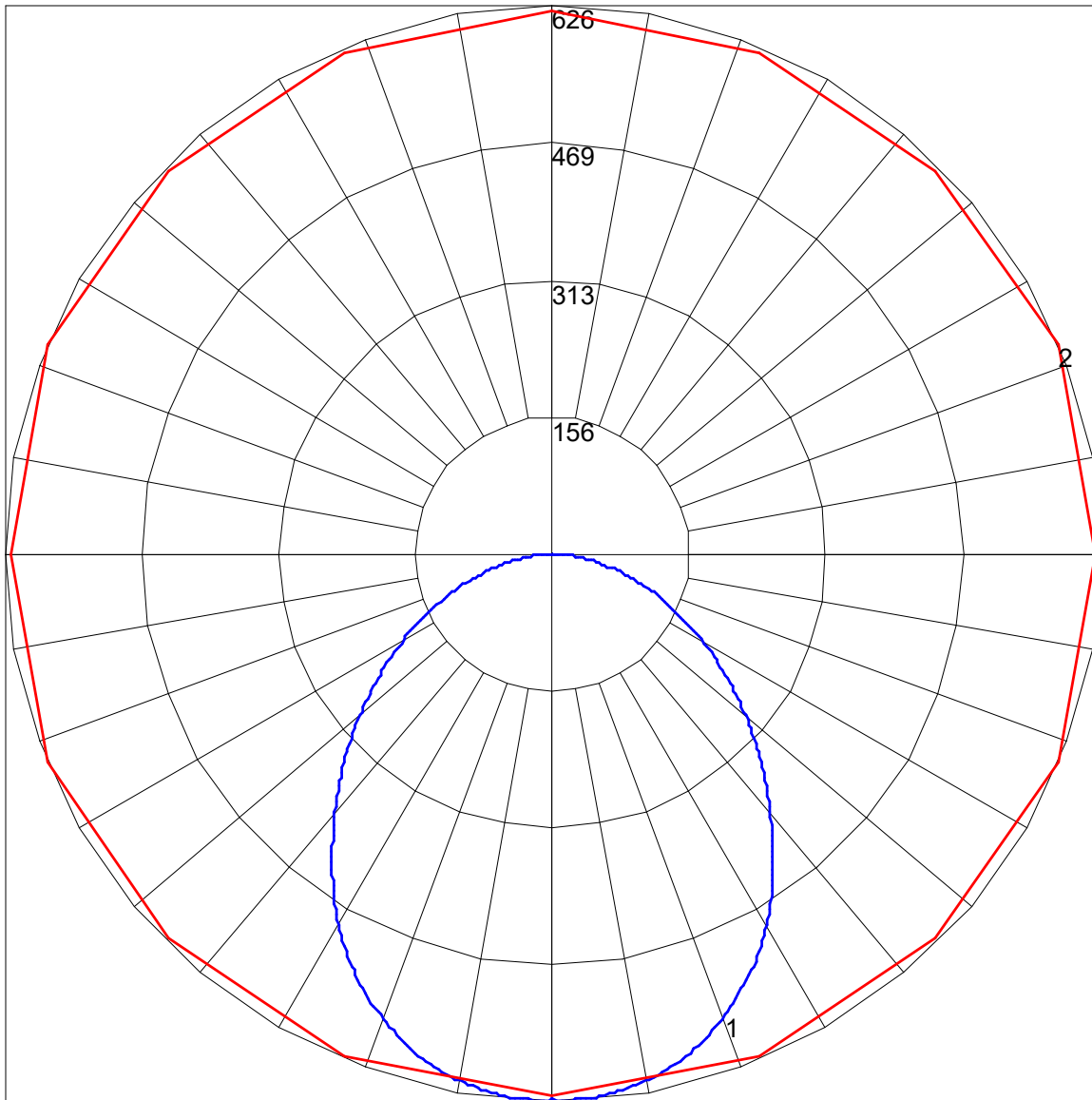
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L4-935-F-DIM-UNV_.IES

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	19.3	18.1	19.6	19.9
	3H	20.5	21.9	20.9	22.2	22.6	19.3	20.7	19.7	21.1	21.4
	4H	21.1	22.4	21.5	22.8	23.1	19.9	21.2	20.3	21.6	22.0
	6H	21.5	22.7	21.9	23.1	23.5	20.4	21.6	20.8	22.0	22.4
	8H	21.6	22.8	22.0	23.2	23.6	20.6	21.7	21.0	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	21.0	21.3	18.4	19.7	18.8	20.0	20.4
	3H	21.2	22.3	21.6	22.7	23.1	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	22.8
	6H	22.4	23.3	22.9	23.8	24.2	21.5	22.4	22.0	22.8	23.3
	8H	22.6	23.4	23.1	23.9	24.3	21.7	22.5	22.2	23.0	23.5
	12H	22.7	23.5	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.6
8H	4H	22.1	22.9	22.6	23.4	23.8	21.2	22.1	21.7	22.5	23.0
	6H	22.8	23.5	23.3	23.9	24.4	22.0	22.6	22.5	23.1	23.6
	8H	23.0	23.6	23.5	24.1	24.6	22.3	22.9	22.8	23.4	23.9
	12H	23.2	23.8	23.7	24.2	24.8	22.5	23.1	23.0	23.6	24.1
12H	4H	22.1	22.9	22.6	23.3	23.8	21.3	22.0	21.8	22.5	23.0
	6H	22.8	23.4	23.3	23.9	24.4	22.0	22.7	22.5	23.1	23.7
	8H	23.1	23.7	23.6	24.1	24.7	22.4	22.9	22.9	23.4	24.0

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 625.987 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.)