



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-2-00-L4-940-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 27 JUNE 2022
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2D-2-00-L4-940-F-DIM-UNV
[LUMINAIRE] 2 INCH WIDE LINEAR SUSPENDED LED
[MORE] WITH FLAT DIFFUSE LENS
[LAMP] LED
[LAMPCAT] HLM 90 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	686
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	8
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)	2.00 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	7588	6944	6365
55	6694	6085	5511
65	5885	5293	4792
75	4852	4445	4126
85	3500	3764	3849

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-2-00-L4-940-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	303.352	303.352	303.352	303.352	303.352
0.5	302.891	305.196	302.661	302.661	302.200
1.0	302.661	305.196	302.661	302.661	302.200
1.5	302.661	304.966	302.661	302.661	302.200
2.0	302.661	304.966	302.430	302.661	302.200
2.5	302.430	304.735	302.430	302.661	302.200
3.0	302.200	304.735	302.200	302.661	301.969
3.5	301.969	304.505	301.969	302.430	301.739
4.0	301.739	304.274	301.739	302.200	301.508
4.5	301.508	304.044	301.278	301.969	301.278
5.0	301.047	303.583	301.047	301.739	300.817
5.5	300.817	303.352	300.586	301.278	300.586
6.0	300.356	302.891	300.356	300.817	300.125
6.5	299.895	302.430	299.895	300.125	299.434
7.0	299.434	301.969	299.434	299.434	298.742
7.5	298.973	301.508	298.973	298.742	298.050
8.0	298.511	301.047	298.281	297.820	297.359
8.5	297.820	300.356	297.820	297.128	296.437
9.0	297.128	299.895	297.128	296.206	295.515
9.5	296.667	299.203	296.437	295.284	294.362
10.0	295.976	298.511	295.515	294.132	293.210
10.5	295.284	297.820	294.823	293.210	292.057
11.0	294.593	297.128	293.671	292.057	290.674
11.5	293.671	296.206	292.749	290.905	289.522
12.0	292.979	295.515	291.827	289.752	288.139
12.5	292.057	294.593	290.674	288.369	286.755
13.0	291.135	293.671	289.522	287.216	285.372
13.5	290.213	292.749	288.369	285.833	284.220
14.0	289.291	291.827	287.216	284.450	282.606
14.5	288.139	290.674	285.833	283.067	280.993
15.0	286.986	289.522	284.450	281.454	279.610
15.5	286.064	288.600	283.067	279.840	277.996
16.0	284.911	287.216	281.684	278.457	276.382
16.5	283.759	286.064	280.301	276.843	274.769
17.0	282.606	284.681	278.688	274.999	272.925
17.5	281.454	283.528	277.074	273.386	271.311
18.0	280.071	282.145	275.460	271.542	269.467
18.5	278.918	280.762	273.847	269.928	267.623
19.0	277.535	279.379	272.233	268.084	265.779
19.5	276.152	277.766	270.620	266.240	263.935
20.0	274.769	276.382	268.776	264.396	262.091
20.5	273.386	274.769	266.932	262.321	260.016
21.0	271.772	273.155	265.318	260.247	257.942
21.5	270.389	271.542	263.474	258.172	255.867
22.0	268.776	269.928	261.630	256.097	253.562
22.5	267.393	268.315	259.786	254.023	251.257
23.0	265.779	266.701	257.711	251.718	249.182
23.5	264.165	264.857	255.867	249.643	246.647
24.0	262.321	263.243	254.023	247.338	244.341
24.5	260.708	261.399	251.948	245.033	242.036
25.0	258.864	259.555	249.874	242.958	239.731
25.5	257.250	257.481	248.030	240.653	237.426
26.0	255.175	255.636	245.725	238.118	235.121
26.5	253.331	253.562	243.650	235.813	232.816

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-2-00-L4-940-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	251.257	251.718	241.575	233.738	230.488
27.5	249.413	249.643	239.270	231.433	228.113
28.0	247.338	247.569	237.196	228.920	225.831
28.5	245.263	245.494	234.891	226.638	223.503
29.0	243.189	243.189	232.585	224.333	221.221
29.5	240.653	241.114	230.234	221.959	218.755
30.0	238.579	238.809	227.883	219.700	216.334
30.5	236.504	236.504	225.440	217.233	213.914
31.0	234.199	234.199	222.973	214.859	211.517
31.5	231.894	231.894	220.507	212.347	208.935
32.0	229.658	229.520	218.040	209.811	206.445
32.5	227.376	226.984	215.528	207.229	204.002
33.0	225.094	224.541	213.015	204.647	201.374
33.5	222.766	222.028	210.479	202.020	198.885
34.0	220.414	219.492	207.852	199.392	196.165
34.5	218.040	216.934	205.339	196.718	193.537
35.0	215.735	214.421	202.734	193.998	190.840
35.5	213.315	211.909	200.106	191.370	188.028
36.0	210.848	209.281	197.548	188.604	185.192
36.5	208.566	206.722	194.897	185.838	182.219
37.0	206.054	204.163	192.177	183.072	179.268
37.5	203.564	201.605	189.503	180.282	176.341
38.0	201.144	199.000	186.783	177.493	173.413
38.5	198.631	196.464	184.109	174.612	170.970
39.0	196.072	193.906	181.481	171.961	168.573
39.5	193.514	191.370	178.830	169.725	165.783
40.0	190.909	188.857	176.156	167.189	163.063
40.5	188.350	186.322	173.575	164.469	160.436
41.0	185.838	183.832	171.546	161.842	157.900
41.5	183.256	181.320	169.103	159.306	155.433
42.0	180.720	178.761	166.821	156.816	153.059
42.5	178.139	176.249	164.308	154.442	150.754
43.0	175.649	173.690	161.888	152.114	148.518
43.5	173.252	171.707	159.490	149.832	146.305
44.0	171.154	169.425	157.139	147.596	144.138
44.5	169.149	167.005	154.811	145.383	141.949
45.0	166.636	164.631	152.506	143.216	139.782
45.5	164.193	162.141	150.224	141.050	137.638
46.0	161.749	159.675	147.965	138.906	135.471
46.5	159.329	157.231	145.729	136.739	133.350
47.0	156.886	154.834	143.493	134.595	131.207
47.5	154.465	152.437	141.234	132.405	129.063
48.0	152.091	150.039	138.975	130.239	126.942
48.5	149.740	147.665	136.693	128.095	124.822
49.0	147.389	145.291	134.411	125.951	122.724
49.5	145.037	142.963	132.106	123.830	120.649
50.0	142.686	140.612	129.847	121.710	118.575
50.5	140.335	138.260	127.588	119.612	116.523
51.0	137.984	135.932	125.352	117.537	114.472
51.5	135.586	133.604	123.139	115.440	112.420
52.0	133.235	131.230	120.949	113.365	110.369
52.5	130.861	128.925	118.828	111.291	108.340
53.0	128.533	126.620	116.708	109.239	106.289
53.5	126.205	124.338	114.633	107.188	104.237
54.0	123.877	122.079	112.535	105.136	102.208
54.5	121.548	119.843	110.461	103.084	100.180

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-2-00-L4-940-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	119.243	117.607	108.409	101.056	98.175
55.5	116.984	115.394	106.358	99.050	96.192
56.0	114.748	113.158	104.306	97.091	94.233
56.5	112.535	110.945	102.255	95.132	92.343
57.0	110.369	108.755	100.180	93.196	90.475
57.5	108.202	106.611	98.128	91.282	88.631
58.0	106.081	104.491	96.077	89.369	86.810
58.5	103.960	102.370	94.048	87.479	84.989
59.0	101.840	100.272	92.066	85.612	83.191
59.5	99.742	98.175	90.061	83.791	81.416
60.0	97.690	96.077	88.078	81.993	79.665
60.5	95.616	94.002	86.142	80.195	77.890
61.0	93.564	91.951	84.229	78.420	76.161
61.5	91.490	89.945	82.315	76.645	74.455
62.0	89.438	87.940	80.425	74.916	72.795
62.5	87.387	85.957	78.558	73.210	71.113
63.0	85.358	83.952	76.714	71.504	69.453
63.5	83.330	81.947	74.893	69.799	67.816
64.0	81.301	79.941	73.072	68.139	66.180
64.5	79.273	77.936	71.274	66.456	64.543
65.0	77.244	75.953	69.476	64.797	62.906
65.5	75.239	73.994	67.701	63.114	61.293
66.0	73.233	72.035	65.926	61.454	59.771
66.5	71.228	70.098	64.151	59.795	58.158
67.0	69.268	68.116	62.376	58.135	56.567
67.5	67.286	66.157	60.601	56.498	54.954
68.0	65.304	64.197	58.849	54.862	53.386
68.5	63.344	62.261	57.074	53.248	51.819
69.0	61.385	60.348	55.323	51.657	50.274
69.5	59.403	58.434	53.571	50.067	48.730
70.0	57.489	56.521	51.865	48.499	47.232
70.5	55.576	54.631	50.159	46.955	45.733
71.0	53.663	52.718	48.476	45.411	44.258
71.5	51.796	50.874	46.794	43.912	42.806
72.0	49.929	49.030	45.134	42.414	41.377
72.5	48.085	47.232	43.520	40.939	39.971
73.0	46.240	45.434	41.930	39.487	38.564
73.5	44.396	43.659	40.339	38.034	37.181
74.0	42.575	41.884	38.772	36.605	35.821
74.5	40.777	40.132	37.251	35.222	34.484
75.0	39.002	38.426	35.729	33.839	33.171
75.5	37.251	36.720	34.231	32.479	31.880
76.0	35.499	35.084	32.733	31.119	30.589
76.5	33.793	33.424	31.280	29.782	29.321
77.0	32.087	31.810	29.828	28.491	28.076
77.5	30.427	30.197	28.445	27.200	26.831
78.0	28.791	28.629	27.062	25.956	25.610
78.5	27.177	27.085	25.702	24.711	24.411
79.0	25.610	25.564	24.388	23.512	23.235
79.5	24.042	24.111	23.074	22.313	22.083
80.0	22.544	22.682	21.760	21.115	20.930
80.5	21.069	21.276	20.515	19.962	19.801
81.0	19.640	19.893	19.294	18.810	18.694
81.5	18.233	18.556	18.049	17.680	17.588
82.0	16.873	17.219	16.873	16.574	16.528
82.5	15.536	15.928	15.675	15.490	15.444

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-2-00-L4-940-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	14.269	14.660	14.522	14.430	14.407
83.5	13.001	13.439	13.393	13.370	13.370
84.0	11.802	12.263	12.286	12.332	12.378
84.5	10.627	11.111	11.226	11.341	11.387
85.0	9.474	9.981	10.189	10.350	10.419
85.5	8.391	8.898	9.174	9.382	9.497
86.0	7.330	7.837	8.183	8.437	8.552
86.5	6.316	6.846	7.215	7.515	7.676
87.0	5.325	5.855	6.270	6.616	6.800
87.5	4.357	4.910	5.371	5.740	5.924
88.0	3.412	3.988	4.472	4.864	5.094
88.5	2.490	3.066	3.573	4.034	4.288
89.0	1.544	2.121	2.651	3.066	3.319
89.5	0.622	1.153	1.498	1.683	1.844
90.0	0.138	0.530	0.807	1.037	1.130
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-2-00-L4-940-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-2-00-L4-940-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-2-00-L4-940-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-2-00-L4-940-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	108.72	N.A.	15.80
0-30	223.81	N.A.	32.60
0-40	350.86	N.A.	51.10
0-60	566.82	N.A.	82.60
0-80	674.62	N.A.	98.30
0-90	686.08	N.A.	100.00
10-90	657.46	N.A.	95.80
20-40	242.14	N.A.	35.30
20-50	360.51	N.A.	52.50
40-70	285.41	N.A.	41.60
60-80	107.79	N.A.	15.70
70-80	38.34	N.A.	5.60
80-90	11.47	N.A.	1.70
90-110	0.02	N.A.	0.00
90-120	0.02	N.A.	0.00
90-130	0.02	N.A.	0.00
90-150	0.02	N.A.	0.00
90-180	0.02	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	686.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.62
10-20	80.10
20-30	115.09
30-40	127.05
40-50	118.37
50-60	97.59
60-70	69.45
70-80	38.34
80-90	11.47
90-100	0.02
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-2-00-L4-940-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-2-00-L4-940-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

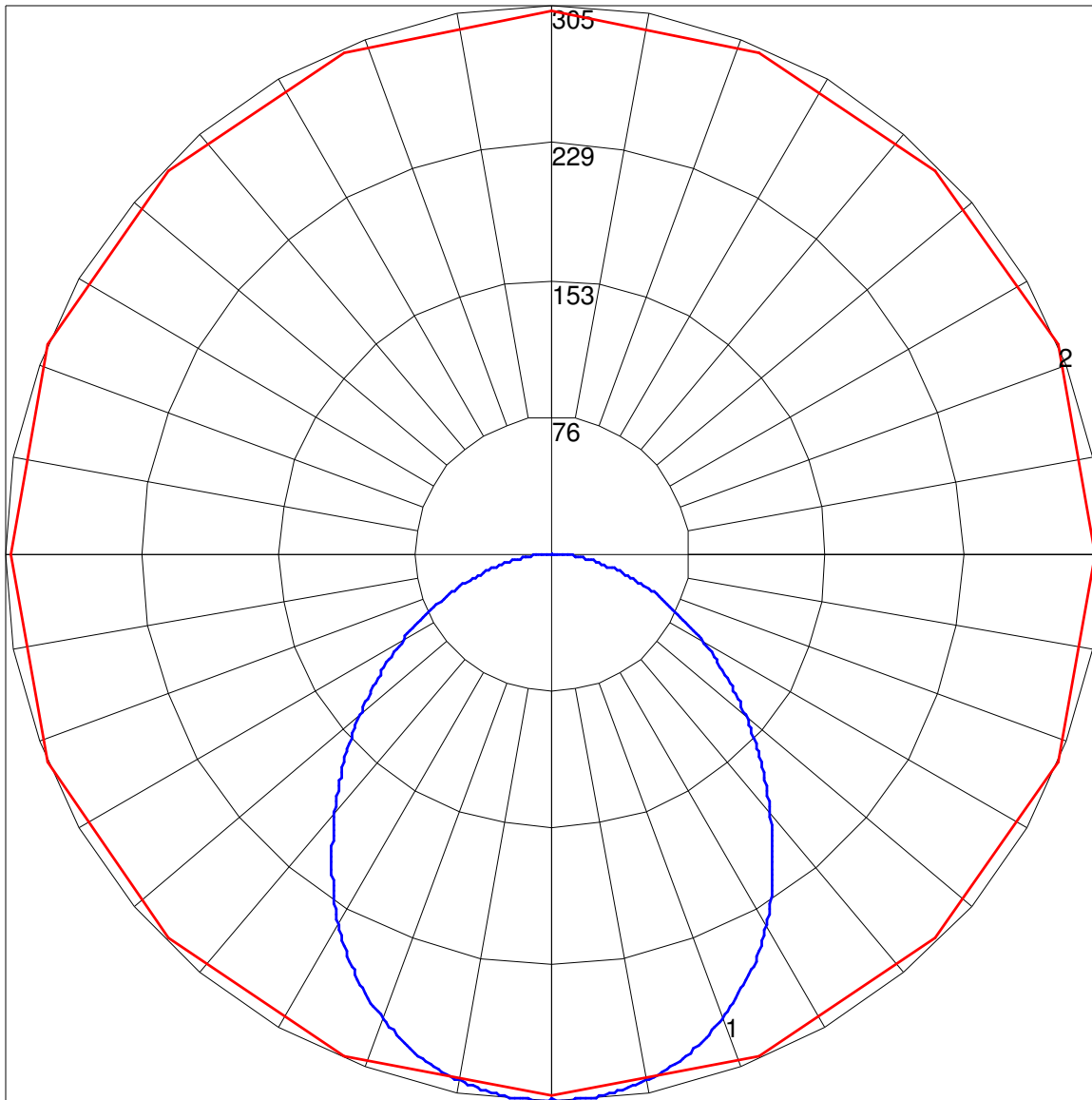
Reflectances

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	18.5	20.1	18.9	20.4	20.7	17.4	18.9	17.7	19.2	19.6
	3H	20.2	21.6	20.6	21.9	22.3	19.0	20.4	19.4	20.7	21.1
	4H	20.8	22.1	21.2	22.4	22.8	19.6	20.9	20.0	21.3	21.6
	6H	21.2	22.4	21.6	22.8	23.1	20.1	21.3	20.5	21.7	22.0
	8H	21.3	22.5	21.7	22.8	23.2	20.2	21.4	20.7	21.8	22.2
	12H	21.4	22.5	21.8	22.9	23.3	20.4	21.5	20.8	21.9	22.3
4H	2H	19.0	20.3	19.4	20.6	21.0	18.1	19.4	18.5	19.7	20.1
	3H	20.8	22.0	21.3	22.4	22.8	19.9	21.0	20.3	21.4	21.8
	4H	21.6	22.6	22.0	23.0	23.4	20.6	21.6	21.0	22.0	22.4
	6H	22.1	23.0	22.6	23.4	23.9	21.2	22.1	21.6	22.5	23.0
	8H	22.3	23.1	22.8	23.5	24.0	21.4	22.2	21.9	22.7	23.1
	12H	22.4	23.1	22.9	23.6	24.1	21.6	22.3	22.1	22.8	23.3
8H	4H	21.8	22.6	22.3	23.0	23.5	20.9	21.7	21.4	22.2	22.6
	6H	22.4	23.1	22.9	23.6	24.1	21.6	22.3	22.1	22.8	23.3
	8H	22.7	23.3	23.2	23.8	24.3	21.9	22.5	22.5	23.1	23.5
	12H	22.9	23.4	23.4	23.9	24.5	22.2	22.7	22.7	23.2	23.8
12H	4H	21.8	22.5	22.3	23.0	23.5	21.0	21.7	21.4	22.2	22.6
	6H	22.5	23.1	23.0	23.6	24.1	21.7	22.3	22.3	22.8	23.3
	8H	22.8	23.3	23.3	23.8	24.4	22.1	22.6	22.6	23.1	23.7

Maximum UGR = 24.5

POLAR GRAPH



Maximum Candela = 305.196 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.)