



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-L8-940-F-(L6.5)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 08/07/2024
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2D-4-00-L8-940-F-(L6.5)-DIM-UNV
[LUMINAIRE] 2 INCH WIDE, LINEAR SUSPENDED LED
[MORE] W FLAT, DIFFUSE ACRYLIC LENS
[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2354
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	21.5
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	13156	12041	11036
55	11606	10552	9556
65	10204	9178	8310
75	8413	7707	7155
85	6069	6526	6674

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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	1040.949	1040.949	1040.949	1040.949	1040.949
0.5	1039.367	1047.277	1038.576	1038.576	1036.994
1.0	1038.576	1047.277	1038.576	1038.576	1036.994
1.5	1038.576	1046.486	1038.576	1038.576	1036.994
2.0	1038.576	1046.486	1037.785	1038.576	1036.994
2.5	1037.785	1045.695	1037.785	1038.576	1036.994
3.0	1036.994	1045.695	1036.994	1038.576	1036.203
3.5	1036.203	1044.904	1036.203	1037.785	1035.412
4.0	1035.412	1044.113	1035.412	1036.994	1034.621
4.5	1034.621	1043.322	1033.830	1036.203	1033.830
5.0	1033.039	1041.740	1033.039	1035.412	1032.248
5.5	1032.248	1040.949	1031.457	1033.830	1031.457
6.0	1030.666	1039.367	1030.666	1032.248	1029.875
6.5	1029.084	1037.785	1029.084	1029.875	1027.502
7.0	1027.502	1036.203	1027.502	1027.502	1025.129
7.5	1025.920	1034.621	1025.920	1025.129	1022.756
8.0	1024.338	1033.039	1023.547	1021.965	1020.383
8.5	1021.965	1030.666	1021.965	1019.592	1017.219
9.0	1019.592	1029.084	1019.592	1016.428	1014.055
9.5	1018.010	1026.711	1017.219	1013.264	1010.100
10.0	1015.637	1024.338	1014.055	1009.309	1006.145
10.5	1013.264	1021.965	1011.682	1006.145	1002.190
11.0	1010.891	1019.592	1007.727	1002.190	997.444
11.5	1007.727	1016.428	1004.563	998.235	993.489
12.0	1005.354	1014.055	1001.399	994.280	988.743
12.5	1002.190	1010.891	997.444	989.534	983.997
13.0	999.026	1007.727	993.489	985.579	979.251
13.5	995.862	1004.563	989.534	980.833	975.296
14.0	992.698	1001.399	985.579	976.087	969.759
14.5	988.743	997.444	980.833	971.341	964.222
15.0	984.788	993.489	976.087	965.804	959.476
15.5	981.624	990.325	971.341	960.267	953.939
16.0	977.669	985.579	966.595	955.521	948.403
16.5	973.714	981.624	961.849	949.984	942.866
17.0	969.759	976.878	956.312	943.657	936.538
17.5	965.804	972.923	950.775	938.120	931.001
18.0	961.058	968.177	945.239	931.792	924.673
18.5	957.103	963.431	939.702	926.255	918.345
19.0	952.357	958.685	934.165	919.927	912.017
19.5	947.612	953.148	928.628	913.599	905.689
20.0	942.866	948.403	922.300	907.271	899.361
20.5	938.120	942.866	915.972	900.152	892.242
21.0	932.583	937.329	910.435	893.033	885.123
21.5	927.837	931.792	904.107	885.914	878.004
22.0	922.300	926.255	897.779	878.795	870.094
22.5	917.554	920.718	891.451	871.676	862.184
23.0	912.017	915.181	884.332	863.766	855.065
23.5	906.480	908.853	878.004	856.647	846.364
24.0	900.152	903.316	871.676	848.737	838.454
24.5	894.615	896.988	864.557	840.827	830.544
25.0	888.287	890.660	857.438	833.708	822.634
25.5	882.750	883.541	851.110	825.798	814.724
26.0	875.631	877.213	843.200	817.097	806.814
26.5	869.303	870.094	836.081	809.187	798.905

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CANDELA TABULATION - (Cont.)

27.0	862.184	863.766	828.962	802.069	790.915
27.5	855.856	856.647	821.052	794.159	782.768
28.0	848.737	849.528	813.933	785.537	774.937
28.5	841.618	842.409	806.023	777.706	766.948
29.0	834.499	834.499	798.114	769.796	759.118
29.5	825.798	827.380	790.045	761.649	750.654
30.0	818.679	819.470	781.977	753.897	742.348
30.5	811.560	811.560	773.593	745.433	734.043
31.0	803.650	803.650	765.129	737.286	725.817
31.5	795.741	795.741	756.665	728.664	716.957
32.0	788.068	787.593	748.202	719.963	708.415
32.5	780.237	778.892	739.580	711.104	700.030
33.0	772.406	770.508	730.958	702.245	691.013
33.5	764.417	761.886	722.257	693.228	682.470
34.0	756.349	753.185	713.240	684.210	673.136
34.5	748.202	744.405	704.618	675.035	664.119
35.0	740.292	735.783	695.680	665.701	654.864
35.5	731.986	727.161	686.662	656.684	645.214
36.0	723.523	718.144	677.882	647.192	635.485
36.5	715.692	709.364	668.786	637.700	625.281
37.0	707.070	700.584	659.452	628.208	615.156
37.5	698.527	691.804	650.277	618.637	605.111
38.0	690.222	682.866	640.943	609.066	595.065
38.5	681.600	674.165	631.767	599.178	586.681
39.0	672.820	665.385	622.750	590.082	578.454
39.5	664.040	656.684	613.654	582.409	568.883
40.0	655.102	648.062	604.478	573.708	559.550
40.5	646.322	639.361	595.619	564.375	550.532
41.0	637.700	630.818	588.658	555.357	541.831
41.5	628.841	622.196	580.274	546.656	533.368
42.0	620.140	613.416	572.443	538.114	525.220
42.5	611.281	604.794	563.821	529.966	517.310
43.0	602.738	596.014	555.515	521.977	509.638
43.5	594.512	589.212	547.289	514.146	502.044
44.0	587.313	581.381	539.221	506.474	494.609
44.5	580.432	573.076	531.232	498.880	487.094
45.0	571.810	564.928	523.322	491.445	479.659
45.5	563.425	556.386	515.491	484.010	472.303
46.0	555.041	547.922	507.739	476.653	464.868
46.5	546.735	539.537	500.067	469.218	457.590
47.0	538.351	531.311	492.394	461.862	450.234
47.5	530.045	523.085	484.642	454.347	442.878
48.0	521.898	514.858	476.891	446.912	435.601
48.5	513.830	506.711	469.060	439.556	428.324
49.0	505.762	498.564	461.229	432.199	421.126
49.5	497.694	490.575	453.319	424.922	414.007
50.0	489.626	482.507	445.567	417.645	406.888
50.5	481.558	474.439	437.816	410.447	399.848
51.0	473.489	466.450	430.143	403.328	392.808
51.5	465.263	458.460	422.549	396.130	385.768
52.0	457.195	450.313	415.035	389.011	378.728
52.5	449.048	442.403	407.758	381.892	371.767
53.0	441.059	434.493	400.481	374.852	364.728
53.5	433.070	426.662	393.362	367.812	357.688
54.0	425.080	418.911	386.164	360.773	350.727
54.5	417.091	411.238	379.045	353.733	343.766

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CANDELA TABULATION - (Cont.)

55.0	409.181	403.565	372.005	346.772	336.885
55.5	401.430	395.972	364.965	339.890	330.082
56.0	393.757	388.299	357.925	333.167	323.359
56.5	386.164	380.706	350.885	326.443	316.872
57.0	378.728	373.191	343.766	319.799	310.465
57.5	371.293	365.835	336.726	313.234	304.137
58.0	364.016	358.558	329.687	306.669	297.889
58.5	356.739	351.281	322.726	300.182	291.640
59.0	349.461	344.083	315.923	293.775	285.470
59.5	342.263	336.885	309.042	287.527	279.379
60.0	335.224	329.687	302.239	281.357	273.368
60.5	328.105	322.568	295.595	275.187	267.277
61.0	321.065	315.528	289.029	269.096	261.345
61.5	313.946	308.646	282.464	263.006	255.491
62.0	306.906	301.764	275.978	257.073	249.796
62.5	299.866	294.962	269.571	251.220	244.022
63.0	292.905	288.080	263.243	245.367	238.327
63.5	285.945	281.199	256.994	239.513	232.711
64.0	278.984	274.317	250.745	233.818	227.095
64.5	272.023	267.435	244.576	228.044	221.478
65.0	265.062	260.633	238.406	222.349	215.862
65.5	258.181	253.909	232.315	216.574	210.325
66.0	251.299	247.186	226.224	210.879	205.105
66.5	244.417	240.541	220.134	205.184	199.568
67.0	237.694	233.739	214.043	199.489	194.110
67.5	230.891	227.015	207.952	193.873	188.573
68.0	224.089	220.292	201.941	188.257	183.194
68.5	217.365	213.648	195.850	182.720	177.816
69.0	210.642	207.082	189.839	177.262	172.516
69.5	203.839	200.517	183.827	171.804	167.216
70.0	197.274	193.952	177.974	166.425	162.075
70.5	190.709	187.466	172.120	161.126	156.933
71.0	184.144	180.900	166.346	155.826	151.871
71.5	177.736	174.573	160.572	150.684	146.888
72.0	171.329	168.245	154.877	145.543	141.984
72.5	165.001	162.075	149.340	140.481	137.158
73.0	158.674	155.905	143.882	135.497	132.333
73.5	152.346	149.814	138.424	130.514	127.587
74.0	146.097	143.724	133.045	125.610	122.921
74.5	139.927	137.712	127.825	120.864	118.333
75.0	133.836	131.859	122.604	116.118	113.824
75.5	127.825	126.005	117.463	111.451	109.395
76.0	121.813	120.389	112.321	106.784	104.965
76.5	115.960	114.694	107.338	102.197	100.615
77.0	110.106	109.157	102.355	97.767	96.343
77.5	104.411	103.620	97.609	93.337	92.072
78.0	98.795	98.242	92.863	89.066	87.879
78.5	93.258	92.942	88.196	84.795	83.766
79.0	87.879	87.721	83.687	80.681	79.732
79.5	82.501	82.738	79.179	76.568	75.777
80.0	77.359	77.834	74.670	72.455	71.822
80.5	72.297	73.009	70.399	68.500	67.946
81.0	67.393	68.263	66.206	64.545	64.150
81.5	62.568	63.675	61.935	60.669	60.353
82.0	57.901	59.087	57.901	56.873	56.714
82.5	53.313	54.658	53.788	53.155	52.997

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CANDELA TABULATION - (Cont.)

83.0	48.963	50.307	49.833	49.516	49.437
83.5	44.612	46.115	45.957	45.878	45.878
84.0	40.499	42.081	42.160	42.318	42.476
84.5	36.465	38.126	38.521	38.917	39.075
85.0	32.510	34.250	34.962	35.516	35.753
85.5	28.792	30.532	31.482	32.193	32.589
86.0	25.154	26.894	28.080	28.950	29.346
86.5	21.673	23.493	24.758	25.786	26.340
87.0	18.272	20.091	21.515	22.702	23.334
87.5	14.950	16.848	18.430	19.696	20.329
88.0	11.707	13.684	15.345	16.690	17.481
88.5	8.543	10.520	12.260	13.842	14.712
89.0	5.300	7.277	9.096	10.520	11.390
89.5	2.136	3.955	5.141	5.774	6.328
90.0	0.475	1.819	2.768	3.559	3.876
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-4-00-L8-940-F-(L6.5)-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-L8-940-F-(L6.5)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	373.08	N.A.	15.80
0-30	768.01	N.A.	32.60
0-40	1203.98	N.A.	51.10
0-60	1945.05	N.A.	82.60
0-80	2314.94	N.A.	98.30
0-90	2354.28	N.A.	100.00
10-90	2256.08	N.A.	95.80
20-40	830.90	N.A.	35.30
20-50	1237.1	N.A.	52.50
40-70	979.37	N.A.	41.60
60-80	369.89	N.A.	15.70
70-80	131.58	N.A.	5.60
80-90	39.35	N.A.	1.70
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2354.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.21
10-20	274.87
20-30	394.93
30-40	435.98
40-50	406.20
50-60	334.87
60-70	238.31
70-80	131.58
80-90	39.35
90-100	0.07
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-L8-940-F-(L6.5)-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-4-00-L8-940-F-(L6.5)-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

X=2H	Y=2H	20.4	22.0	20.8	22.3	22.6	19.3	20.9	19.7	21.2	21.5
	3H	22.1	23.5	22.5	23.8	24.2	20.9	22.3	21.3	22.7	23.0
	4H	22.7	24.0	23.1	24.4	24.7	21.5	22.8	21.9	23.2	23.6
	6H	23.1	24.3	23.5	24.7	25.1	22.0	23.2	22.4	23.6	24.0
	8H	23.2	24.4	23.6	24.8	25.2	22.2	23.3	22.6	23.7	24.1
	12H	23.3	24.4	23.7	24.8	25.2	22.3	23.4	22.7	23.8	24.2

UGR Viewed Endwise

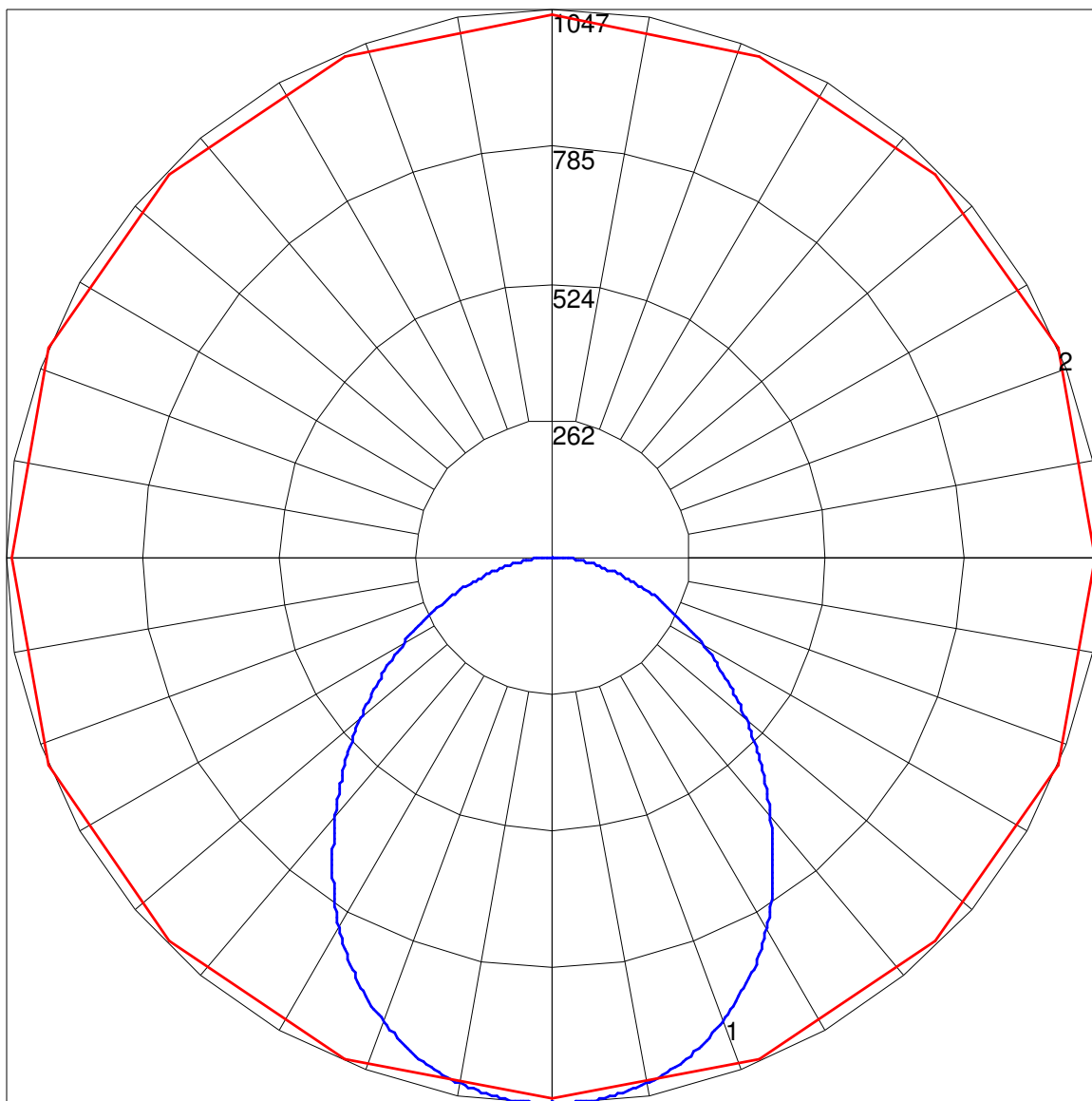
4H	2H	20.9	22.2	21.3	22.6	22.9	20.0	21.3	20.4	21.7	22.0
	3H	22.8	23.9	23.2	24.3	24.7	21.8	22.9	22.2	23.3	23.7
	4H	23.5	24.5	23.9	24.9	25.3	22.5	23.5	22.9	23.9	24.4
	6H	24.0	24.9	24.5	25.4	25.8	23.1	24.0	23.6	24.4	24.9
	8H	24.2	25.0	24.7	25.5	25.9	23.3	24.1	23.8	24.6	25.1
	12H	24.3	25.1	24.8	25.5	26.0	23.5	24.2	24.0	24.7	25.2

8H	4H	23.7	24.5	24.2	25.0	25.4	22.8	23.7	23.3	24.1	24.6
	6H	24.4	25.1	24.9	25.5	26.0	23.6	24.2	24.1	24.7	25.2
	8H	24.6	25.2	25.1	25.7	26.2	23.9	24.5	24.4	25.0	25.5
	12H	24.8	25.4	25.3	25.9	26.4	24.1	24.7	24.6	25.2	25.7

12H	4H	23.7	24.5	24.2	24.9	25.4	22.9	23.6	23.4	24.1	24.6
	6H	24.4	25.0	24.9	25.5	26.0	23.6	24.3	24.2	24.7	25.3
	8H	24.7	25.3	25.2	25.7	26.3	24.0	24.5	24.5	25.0	25.6

Maximum UGR = 26.4

POLAR GRAPH



Maximum Candela = 1047.277 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.)