



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 13012869.06
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 01-17-2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing,frosted plastic lens
 [LAMP] 144 White LEDs
 [BALLAST] One Philips Advance XI040C110V054BST1 Driver
 [OTHER] 24.5 C, 120.068 V, 0.225745 A, 26.9297 W, 0.993544 PF, 59.97 H
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.24
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	6609	6067	5591
55	5874	5300	4813
65	5090	4546	4124
75	4185	3841	3578
85	3096	3359	3373

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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	521.369	521.369	521.369	521.369	521.369
0.5	520.215	521.369	521.369	520.984	524.060
1.0	520.215	521.369	520.984	520.984	524.060
1.5	519.831	521.369	520.984	520.600	523.676
2.0	519.446	520.984	520.600	520.215	523.291
2.5	519.446	520.984	520.600	519.831	522.907
3.0	519.062	520.600	520.215	519.446	522.138
3.5	518.677	520.215	519.831	519.062	521.369
4.0	517.908	519.831	519.446	518.293	520.984
4.5	517.524	519.062	519.062	517.908	519.831
5.0	516.755	518.677	518.293	517.139	519.446
5.5	516.370	517.908	517.524	516.370	518.293
6.0	515.601	517.139	516.755	515.217	517.524
6.5	514.832	516.370	515.986	514.063	516.370
7.0	513.679	515.601	514.832	512.910	515.217
7.5	512.910	514.448	513.679	511.756	514.063
8.0	511.756	513.294	512.525	510.603	512.910
8.5	510.987	512.525	511.372	509.065	511.372
9.0	509.834	510.987	509.834	507.527	509.449
9.5	508.680	509.834	508.296	505.604	507.911
10.0	507.142	508.680	506.758	504.067	505.989
10.5	505.989	507.142	504.836	502.144	503.682
11.0	504.451	505.604	503.298	500.222	501.760
11.5	502.913	504.067	501.375	497.915	499.453
12.0	501.375	502.529	499.453	495.608	496.761
12.5	499.837	500.991	497.530	493.301	494.454
13.0	498.299	499.068	495.608	490.994	491.763
13.5	496.377	497.530	493.301	488.302	489.071
14.0	494.839	495.608	490.994	485.995	486.380
14.5	492.916	493.685	488.687	483.304	483.689
15.0	490.994	491.378	486.380	480.613	480.997
15.5	489.071	489.456	484.073	477.537	477.921
16.0	487.149	487.149	481.382	474.845	474.845
16.5	484.842	485.227	479.075	471.769	471.769
17.0	482.535	482.920	476.383	468.693	468.693
17.5	480.613	480.613	473.692	465.618	465.233
18.0	478.306	477.921	470.616	462.542	462.157
18.5	475.999	475.614	467.924	459.081	458.697
19.0	473.307	472.923	464.849	456.005	455.236
19.5	471.000	470.231	461.773	452.545	451.776
20.0	468.309	467.540	458.697	449.084	448.315
20.5	465.618	464.849	455.621	445.624	444.471
21.0	462.926	462.157	452.160	442.164	441.010
21.5	460.619	459.466	449.084	438.703	437.165
22.0	457.543	456.390	445.624	434.858	433.320
22.5	454.852	453.314	442.164	431.398	429.475
23.0	452.160	450.238	439.088	427.553	425.631
23.5	449.084	447.162	435.627	423.708	421.786
24.0	446.009	444.086	432.167	419.863	417.941
24.5	443.317	440.626	428.322	416.018	413.711
25.0	440.241	437.550	424.862	412.173	409.866
25.5	436.781	434.089	421.017	408.328	405.637
26.0	433.705	430.629	417.556	404.484	401.792
26.5	430.244	427.169	413.711	400.254	397.563

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES****CANDELA TABULATION - (Cont.)**

27.0	427.169	423.708	410.251	396.025	393.718
27.5	423.708	420.248	406.406	392.180	389.488
28.0	420.248	416.787	402.561	387.951	385.259
28.5	416.787	413.327	398.716	384.144	381.260
29.0	413.711	409.482	394.871	380.068	377.069
29.5	409.866	406.022	391.026	376.031	372.878
30.0	406.406	402.177	387.182	371.917	368.688
30.5	402.946	398.716	383.067	367.919	364.497
31.0	399.485	394.871	379.107	363.843	360.306
31.5	396.025	391.026	375.109	359.806	356.192
32.0	392.180	387.182	371.148	355.730	352.001
32.5	388.719	383.567	367.150	351.616	347.810
33.0	384.875	379.722	363.151	347.541	343.657
33.5	381.299	375.916	359.152	343.350	339.466
34.0	377.531	372.033	355.154	339.197	335.352
34.5	373.801	368.188	351.116	335.045	331.238
35.0	369.956	364.266	347.118	330.892	327.086
35.5	366.111	360.344	343.157	326.740	323.010
36.0	362.267	356.384	339.159	322.587	318.819
36.5	358.306	352.424	335.122	318.473	314.744
37.0	354.308	348.463	331.046	314.359	310.591
37.5	350.386	344.388	327.047	310.284	306.477
38.0	346.426	340.389	323.010	306.131	302.401
38.5	342.350	336.352	318.935	302.055	298.326
39.0	338.313	332.392	314.897	298.018	294.173
39.5	334.353	328.316	310.822	293.981	290.098
40.0	330.277	324.317	306.785	289.906	286.061
40.5	326.317	320.280	302.748	285.868	281.947
41.0	322.318	316.243	298.710	281.870	277.794
41.5	318.281	312.244	294.673	277.833	273.680
42.0	314.282	308.207	290.598	273.872	269.643
42.5	310.322	304.209	286.560	269.874	265.567
43.0	306.323	300.133	282.600	265.836	261.530
43.5	302.363	296.096	278.525	261.799	257.416
44.0	298.287	291.982	274.526	257.801	253.456
44.5	294.250	287.945	270.489	253.840	249.457
45.0	290.290	283.869	266.490	249.880	245.574
45.5	286.291	279.755	262.491	245.881	241.614
46.0	282.216	275.641	258.493	241.960	237.692
46.5	278.140	271.604	254.456	238.076	233.847
47.0	274.065	267.490	250.457	234.193	230.002
47.5	269.912	263.491	246.458	230.348	226.196
48.0	265.798	259.377	242.575	226.542	222.466
48.5	261.722	255.340	238.615	222.774	218.698
49.0	257.570	251.264	234.654	219.006	215.007
49.5	253.494	247.227	230.733	215.238	211.316
50.0	249.342	243.267	226.811	211.546	207.625
50.5	245.343	239.268	222.966	207.855	203.934
51.0	241.229	235.308	219.082	204.203	200.319
51.5	237.192	231.386	215.238	200.550	196.628
52.0	233.116	227.426	211.393	196.897	193.014
52.5	229.118	223.504	207.586	193.283	189.361
53.0	225.081	219.621	203.780	189.631	185.747
53.5	221.082	215.699	200.012	186.055	182.133
54.0	217.122	211.739	196.282	182.441	178.557
54.5	213.200	207.817	192.553	178.903	175.020

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES****CANDELA TABULATION - (Cont.)**

55.0	209.278	203.934	188.823	175.327	171.483
55.5	205.356	200.089	185.209	171.867	168.022
56.0	201.434	196.205	181.556	168.368	164.562
56.5	197.513	192.322	177.865	164.869	161.140
57.0	193.591	188.477	174.251	161.447	157.833
57.5	189.707	184.671	170.637	158.025	154.527
58.0	185.863	180.864	167.022	154.757	151.258
58.5	182.018	177.058	163.447	151.451	148.067
59.0	178.134	173.290	159.909	148.144	144.876
59.5	174.289	169.599	156.372	144.876	141.685
60.0	170.444	165.869	152.835	141.646	138.493
60.5	166.600	162.178	149.336	138.493	135.379
61.0	162.832	158.602	145.876	135.341	132.265
61.5	159.102	154.988	142.492	132.188	129.189
62.0	155.372	151.374	139.032	129.073	126.151
62.5	151.604	147.760	135.687	126.036	123.075
63.0	147.952	144.222	132.341	122.960	120.076
63.5	144.299	140.685	129.035	119.922	117.077
64.0	140.723	137.148	125.805	116.885	114.117
64.5	137.148	133.610	122.614	113.924	111.156
65.0	133.610	130.150	119.346	111.002	108.272
65.5	130.073	126.651	116.154	108.080	105.350
66.0	126.536	123.152	113.040	105.081	102.505
66.5	122.998	119.692	109.926	102.236	99.737
67.0	119.538	116.270	106.811	99.352	96.930
67.5	116.116	112.886	103.735	96.584	94.239
68.0	112.579	109.503	100.660	93.777	91.586
68.5	109.157	106.119	97.660	91.047	88.933
69.0	105.696	102.813	94.661	88.356	86.318
69.5	102.274	99.506	91.662	85.703	83.665
70.0	98.852	96.199	88.702	83.050	81.281
70.5	95.469	93.008	85.818	80.628	78.859
71.0	92.124	89.817	82.935	78.205	76.360
71.5	88.894	86.703	80.358	75.668	73.899
72.0	85.664	83.511	77.552	73.168	71.477
72.5	82.396	80.512	74.783	70.708	68.978
73.0	79.513	77.629	72.053	68.209	66.594
73.5	76.360	74.630	69.362	65.786	64.171
74.0	73.284	71.631	66.709	63.364	61.980
74.5	70.246	68.708	64.133	61.249	59.827
75.0	67.286	65.786	61.749	58.904	57.520
75.5	64.287	62.941	59.288	56.520	55.251
76.0	61.634	60.288	56.789	54.213	53.021
76.5	58.712	57.443	54.290	51.906	50.830
77.0	55.866	54.636	51.868	49.638	48.638
77.5	53.021	51.906	49.484	47.446	46.523
78.0	50.214	49.215	47.138	45.216	44.447
78.5	47.446	46.562	44.793	43.063	42.371
79.0	44.755	43.986	42.525	40.948	40.333
79.5	42.102	41.410	40.256	38.872	38.295
80.0	39.487	38.949	38.026	36.834	36.334
80.5	36.911	36.565	35.873	34.835	34.412
81.0	34.412	34.181	33.720	32.874	32.489
81.5	31.990	31.913	31.644	30.951	30.605
82.0	29.606	29.683	29.567	29.029	28.760
82.5	27.299	27.491	27.568	27.183	26.914

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES****CANDELA TABULATION - (Cont.)**

83.0	25.030	25.376	25.607	25.338	25.107
83.5	22.877	23.300	23.685	23.569	23.339
84.0	20.762	21.301	21.801	21.801	21.608
84.5	18.725	19.378	19.955	20.070	19.917
85.0	16.764	17.456	18.186	18.379	18.263
85.5	14.880	15.610	16.418	16.687	16.610
86.0	13.073	13.842	14.726	15.072	15.034
86.5	11.304	12.073	13.073	13.457	13.496
87.0	9.612	10.381	11.458	11.958	11.996
87.5	7.959	8.728	9.881	10.458	10.535
88.0	6.306	7.152	8.343	8.574	8.459
88.5	4.768	5.652	6.613	6.844	6.844
89.0	3.768	4.575	5.537	5.883	5.921
89.5	2.922	3.768	4.614	5.037	5.152
90.0	2.076	2.999	3.845	4.229	4.345
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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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 : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.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 : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	185.79	N.A.	15.70
0-30	381.09	N.A.	32.30
0-40	598.38	N.A.	50.70
0-60	974.13	N.A.	82.50
0-80	1159.67	N.A.	98.30
0-90	1180.01	N.A.	100.00
10-90	1130.93	N.A.	95.80
20-40	412.58	N.A.	35.00
20-50	618.58	N.A.	52.40
40-70	495.19	N.A.	42.00
60-80	185.54	N.A.	15.70
70-80	66.11	N.A.	5.60
80-90	20.34	N.A.	1.70
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1180.11	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.09
10-20	136.71
20-30	195.30
30-40	217.29
40-50	205.99
50-60	169.76
60-70	119.44
70-80	66.11
80-90	20.34
90-100	0.10
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 : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.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	80	98	90	84	79	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	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	66	57	51	76	65	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	45	70	59	50	44	57	49	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.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	18.1	19.6	18.4	19.9	20.2	16.9	18.5	17.3	18.8	19.1
	3H	19.7	21.1	20.0	21.4	21.8	18.5	19.9	18.9	20.2	20.6
	4H	20.2	21.6	20.6	21.9	22.3	19.1	20.4	19.5	20.8	21.1
	6H	20.7	21.9	21.1	22.3	22.7	19.6	20.8	20.0	21.2	21.6
	8H	20.8	22.0	21.2	22.4	22.8	19.7	20.9	20.2	21.3	21.7
	12H	20.9	22.0	21.3	22.4	22.8	19.9	21.0	20.3	21.4	21.8

UGR Viewed Endwise

4H	2H	18.5	19.8	18.9	20.2	20.5	17.6	18.9	18.0	19.2	19.6
	3H	20.3	21.5	20.8	21.9	22.3	19.4	20.5	19.8	20.9	21.3
	4H	21.1	22.1	21.5	22.5	22.9	20.1	21.1	20.5	21.5	21.9
	6H	21.6	22.5	22.1	22.9	23.4	20.7	21.6	21.2	22.0	22.5
	8H	21.8	22.6	22.3	23.1	23.5	20.9	21.7	21.4	22.2	22.7
	12H	21.9	22.7	22.4	23.1	23.6	21.1	21.8	21.6	22.3	22.8

8H	4H	21.3	22.1	21.7	22.5	23.0	20.4	21.2	20.9	21.7	22.2
	6H	21.9	22.6	22.4	23.1	23.6	21.2	21.8	21.6	22.3	22.8
	8H	22.2	22.8	22.7	23.3	23.8	21.5	22.1	22.0	22.6	23.1
	12H	22.4	22.9	22.9	23.4	24.0	21.7	22.3	22.3	22.8	23.3

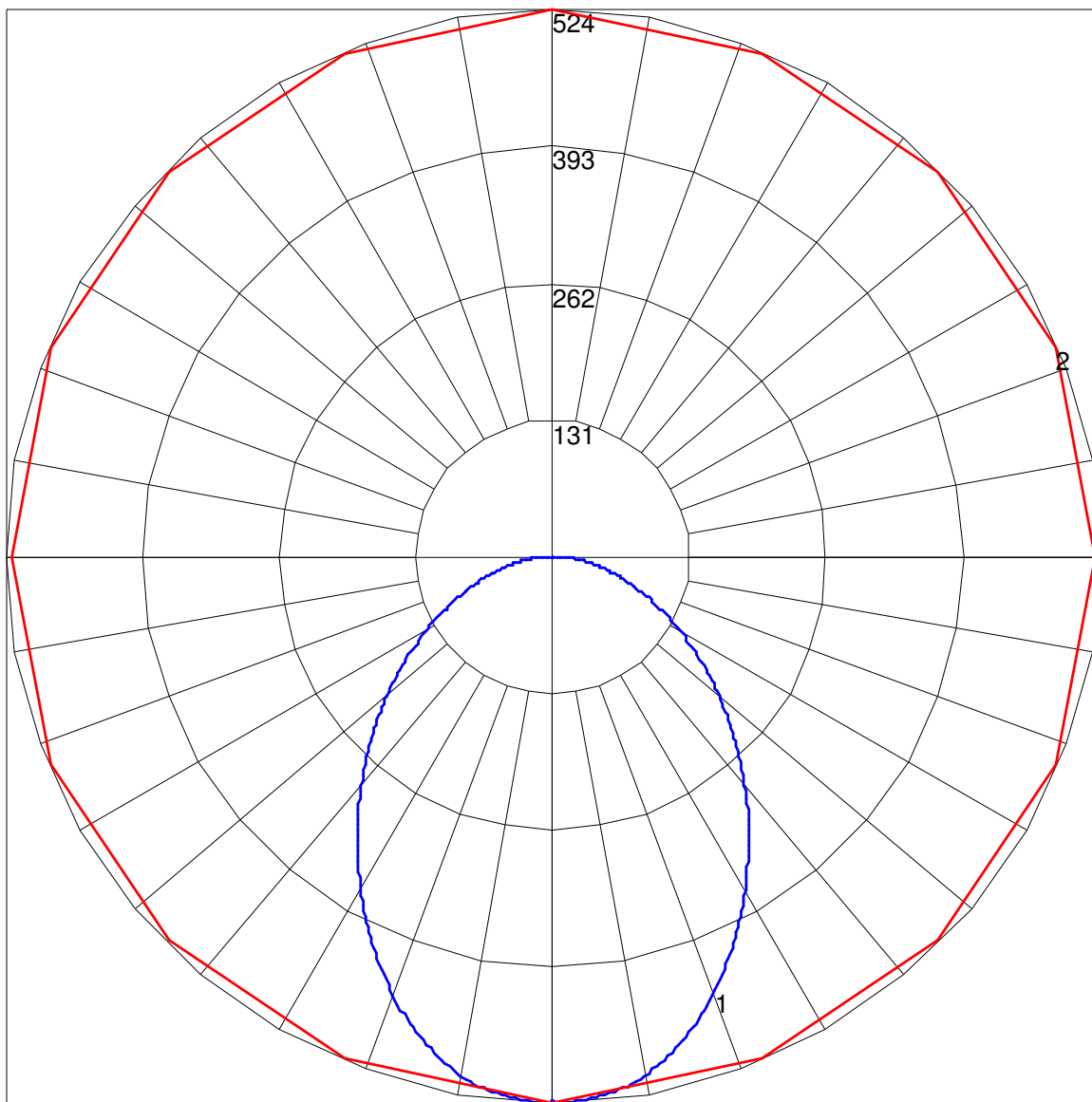
12H	4H	21.3	22.0	21.8	22.5	23.0	20.5	21.2	20.9	21.7	22.1
	6H	22.0	22.6	22.5	23.1	23.6	21.2	21.8	21.7	22.3	22.8
	8H	22.3	22.8	22.8	23.3	23.9	21.6	22.1	22.1	22.6	23.2

Maximum UGR = 24.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2S-4-00-L8-840-F-EM10WLP-DIM-UNV_EMER MODE.IES

POLAR GRAPH



Maximum Candela = 524.06 Located At Horizontal Angle = 90, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)