



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2D-4-00-L4-940-F-(L3.6)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 08/07/2024
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] MX2D-4-00-L4-940-F-(L3.6)-DIM-UNV
[LUMINAIRE] 2 INCH WIDE SUSPENDED LED LUMINAIRE
[MORE] WITH FLAT DIFFUSE ACRYLIC LENS
[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1278
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	12.5
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	7143	6537	5992
55	6301	5729	5188
65	5540	4983	4512
75	4567	4184	3885
85	3295	3543	3623

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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	565.137	565.137	565.137	565.137	565.137
0.5	564.278	568.573	563.849	563.849	562.990
1.0	563.849	568.573	563.849	563.849	562.990
1.5	563.849	568.143	563.849	563.849	562.990
2.0	563.849	568.143	563.419	563.849	562.990
2.5	563.419	567.714	563.419	563.849	562.990
3.0	562.990	567.714	562.990	563.849	562.560
3.5	562.560	567.284	562.560	563.419	562.131
4.0	562.131	566.855	562.131	562.990	561.702
4.5	561.702	566.425	561.272	562.560	561.272
5.0	560.843	565.567	560.843	562.131	560.413
5.5	560.413	565.137	559.984	561.272	559.984
6.0	559.554	564.278	559.554	560.413	559.125
6.5	558.696	563.419	558.696	559.125	557.837
7.0	557.837	562.560	557.837	557.837	556.548
7.5	556.978	561.702	556.978	556.548	555.260
8.0	556.119	560.843	555.690	554.831	553.972
8.5	554.831	559.554	554.831	553.542	552.254
9.0	553.542	558.696	553.542	551.825	550.536
9.5	552.683	557.407	552.254	550.107	548.389
10.0	551.395	556.119	550.536	547.960	546.242
10.5	550.107	554.831	549.248	546.242	544.095
11.0	548.819	553.542	547.101	544.095	541.518
11.5	547.101	551.825	545.383	541.948	539.371
12.0	545.813	550.536	543.665	539.800	536.794
12.5	544.095	548.819	541.518	537.224	534.218
13.0	542.377	547.101	539.371	535.077	531.641
13.5	540.659	545.383	537.224	532.500	529.494
14.0	538.942	543.665	535.077	529.923	526.488
14.5	536.794	541.518	532.500	527.347	523.482
15.0	534.647	539.371	529.923	524.341	520.905
15.5	532.929	537.653	527.347	521.335	517.899
16.0	530.782	535.077	524.770	518.758	514.893
16.5	528.635	532.929	522.194	515.752	511.887
17.0	526.488	530.353	519.188	512.317	508.452
17.5	524.341	528.206	516.181	509.310	505.446
18.0	521.764	525.629	513.175	505.875	502.010
18.5	519.617	523.052	510.169	502.869	498.575
19.0	517.040	520.476	507.163	499.433	495.139
19.5	514.464	517.470	504.157	495.998	491.704
20.0	511.887	514.893	500.722	492.563	488.268
20.5	509.310	511.887	497.286	488.698	484.403
21.0	506.304	508.881	494.280	484.833	480.538
21.5	503.728	505.875	490.845	480.968	476.673
22.0	500.722	502.869	487.409	477.103	472.379
22.5	498.145	499.863	483.974	473.238	468.085
23.0	495.139	496.857	480.109	468.944	464.220
23.5	492.133	493.421	476.673	465.079	459.496
24.0	488.698	490.415	473.238	460.784	455.202
24.5	485.692	486.980	469.373	456.490	450.907
25.0	482.256	483.544	465.508	452.625	446.613
25.5	479.250	479.679	462.073	448.331	442.319
26.0	475.385	476.244	457.778	443.607	438.024
26.5	471.950	472.379	453.913	439.313	433.730

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2D-4-00-L4-940-F-(L3.6)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	468.085	468.944	450.048	435.448	429.393
27.5	464.649	465.079	445.754	431.153	424.969
28.0	460.784	461.214	441.889	426.472	420.718
28.5	456.919	457.349	437.595	422.221	416.381
29.0	453.054	453.054	433.300	417.927	412.129
29.5	448.331	449.190	428.920	413.503	407.534
30.0	444.466	444.895	424.540	409.295	403.025
30.5	440.601	440.601	419.988	404.700	398.516
31.0	436.306	436.306	415.393	400.277	394.050
31.5	432.012	432.012	410.798	395.596	389.240
32.0	427.847	427.589	406.203	390.872	384.602
32.5	423.595	422.865	401.522	386.063	380.050
33.0	419.344	418.313	396.841	381.253	375.155
33.5	415.006	413.632	392.118	376.357	370.517
34.0	410.626	408.908	387.222	371.462	365.450
34.5	406.203	404.142	382.541	366.480	360.554
35.0	401.909	399.461	377.689	361.413	355.530
35.5	397.400	394.780	372.793	356.517	350.291
36.0	392.805	389.884	368.026	351.364	345.008
36.5	388.553	385.118	363.088	346.211	339.469
37.0	383.872	380.351	358.020	341.058	333.972
37.5	379.234	375.584	353.039	335.861	328.518
38.0	374.725	370.732	347.972	330.665	323.064
38.5	370.045	366.008	342.990	325.297	318.512
39.0	365.278	361.241	338.095	320.359	314.046
39.5	360.511	356.517	333.156	316.193	308.850
40.0	355.658	351.836	328.175	311.470	303.783
40.5	350.892	347.113	323.365	306.402	298.887
41.0	346.211	342.475	319.586	301.507	294.163
41.5	341.401	337.794	315.034	296.783	289.568
42.0	336.677	333.027	310.782	292.145	285.145
42.5	331.868	328.346	306.102	287.722	280.851
43.0	327.230	323.580	301.593	283.384	276.685
43.5	322.764	319.886	297.126	279.133	272.563
44.0	318.856	315.635	292.746	274.968	268.526
44.5	315.120	311.126	288.409	270.845	264.446
45.0	310.439	306.703	284.115	266.808	260.410
45.5	305.887	302.065	279.863	262.772	256.416
46.0	301.335	297.470	275.655	258.778	252.379
46.5	296.826	292.918	271.489	254.741	248.428
47.0	292.274	288.452	267.324	250.747	244.435
47.5	287.765	283.986	263.115	246.668	240.441
48.0	283.342	279.520	258.907	242.631	236.490
48.5	278.961	275.096	254.655	238.637	232.539
49.0	274.581	270.673	250.404	234.644	228.631
49.5	270.201	266.336	246.109	230.693	224.767
50.0	265.821	261.956	241.901	226.742	220.902
50.5	261.440	257.575	237.693	222.834	217.080
51.0	257.060	253.238	233.527	218.969	213.258
51.5	252.594	248.901	229.404	215.061	209.436
52.0	248.214	244.478	225.325	211.196	205.614
52.5	243.791	240.183	221.374	207.331	201.835
53.0	239.453	235.889	217.423	203.509	198.013
53.5	235.116	231.638	213.558	199.688	194.191
54.0	230.779	227.429	209.650	195.866	190.412
54.5	226.441	223.264	205.785	192.044	186.633

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CANDELA TABULATION - (Cont.)

55.0	222.147	219.098	201.964	188.265	182.897
55.5	217.939	214.975	198.142	184.528	179.203
56.0	213.773	210.810	194.320	180.878	175.553
56.5	209.650	206.687	190.498	177.228	172.032
57.0	205.614	202.608	186.633	173.621	168.553
57.5	201.577	198.614	182.811	170.056	165.118
58.0	197.626	194.663	178.989	166.492	161.725
58.5	193.675	190.712	175.210	162.971	158.333
59.0	189.725	186.804	171.517	159.492	154.983
59.5	185.817	182.897	167.780	156.100	151.677
60.0	181.995	178.989	164.087	152.750	148.413
60.5	178.130	175.124	160.480	149.401	145.106
61.0	174.308	171.302	156.916	146.094	141.885
61.5	170.443	167.566	153.351	142.787	138.708
62.0	166.621	163.830	149.830	139.567	135.616
62.5	162.799	160.136	146.352	136.389	132.481
63.0	159.020	156.400	142.916	133.211	129.389
63.5	155.241	152.664	139.524	130.033	126.340
64.0	151.462	148.928	136.131	126.941	123.291
64.5	147.683	145.192	132.781	123.806	120.242
65.0	143.904	141.499	129.432	120.714	117.193
65.5	140.168	137.849	126.125	117.579	114.187
66.0	136.432	134.199	122.819	114.488	111.353
66.5	132.696	130.591	119.512	111.396	108.347
67.0	129.045	126.898	116.205	108.304	105.383
67.5	125.352	123.248	112.899	105.255	102.377
68.0	121.659	119.598	109.635	102.206	99.457
68.5	118.009	115.991	106.328	99.200	96.537
69.0	114.359	112.426	103.065	96.236	93.660
69.5	110.666	108.862	99.801	93.273	90.783
70.0	107.101	105.298	96.623	90.353	87.991
70.5	103.537	101.776	93.445	87.476	85.200
71.0	99.973	98.212	90.310	84.599	82.452
71.5	96.494	94.776	87.175	81.807	79.746
72.0	93.016	91.341	84.083	79.016	77.084
72.5	89.580	87.991	81.077	76.268	74.464
73.0	86.145	84.642	78.114	73.562	71.845
73.5	82.709	81.335	75.151	70.857	69.268
74.0	79.317	78.028	72.231	68.194	66.734
74.5	75.967	74.765	69.397	65.618	64.244
75.0	72.660	71.587	66.563	63.041	61.796
75.5	69.397	68.409	63.771	60.507	59.391
76.0	66.133	65.360	60.980	57.974	56.986
76.5	62.955	62.268	58.274	55.483	54.624
77.0	59.777	59.262	55.569	53.078	52.305
77.5	56.685	56.256	52.992	50.673	49.986
78.0	53.636	53.336	50.416	48.354	47.710
78.5	50.630	50.459	47.882	46.035	45.477
79.0	47.710	47.624	45.434	43.802	43.287
79.5	44.790	44.919	42.986	41.569	41.140
80.0	41.999	42.256	40.539	39.336	38.993
80.5	39.250	39.637	38.220	37.189	36.889
81.0	36.588	37.060	35.944	35.042	34.827
81.5	33.968	34.570	33.625	32.938	32.766
82.0	31.435	32.079	31.435	30.876	30.791
82.5	28.944	29.674	29.202	28.858	28.772

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CANDELA TABULATION - (Cont.)

83.0	26.582	27.312	27.054	26.883	26.840
83.5	24.220	25.036	24.950	24.907	24.907
84.0	21.987	22.846	22.889	22.975	23.061
84.5	19.797	20.699	20.914	21.128	21.214
85.0	17.650	18.595	18.981	19.282	19.410
85.5	15.631	16.576	17.092	17.478	17.693
86.0	13.656	14.601	15.245	15.717	15.932
86.5	11.767	12.754	13.441	14.000	14.300
87.0	9.920	10.908	11.681	12.325	12.668
87.5	8.116	9.147	10.006	10.693	11.036
88.0	6.356	7.429	8.331	9.061	9.491
88.5	4.638	5.711	6.656	7.515	7.988
89.0	2.877	3.951	4.939	5.711	6.184
89.5	1.159	2.147	2.791	3.135	3.435
90.0	0.258	0.988	1.503	1.932	2.104
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
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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-L4-940-F-(L3.6)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.55	N.A.	15.80
0-30	416.96	N.A.	32.60
0-40	653.65	N.A.	51.10
0-60	1055.98	N.A.	82.60
0-80	1256.79	N.A.	98.30
0-90	1278.15	N.A.	100.00
10-90	1224.84	N.A.	95.80
20-40	451.10	N.A.	35.30
20-50	671.63	N.A.	52.50
40-70	531.71	N.A.	41.60
60-80	200.81	N.A.	15.70
70-80	71.44	N.A.	5.60
80-90	21.36	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	1278.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.32
10-20	149.23
20-30	214.41
30-40	236.69
40-50	220.53
50-60	181.80
60-70	129.38
70-80	71.44
80-90	21.36
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-L4-940-F-(L3.6)-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
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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

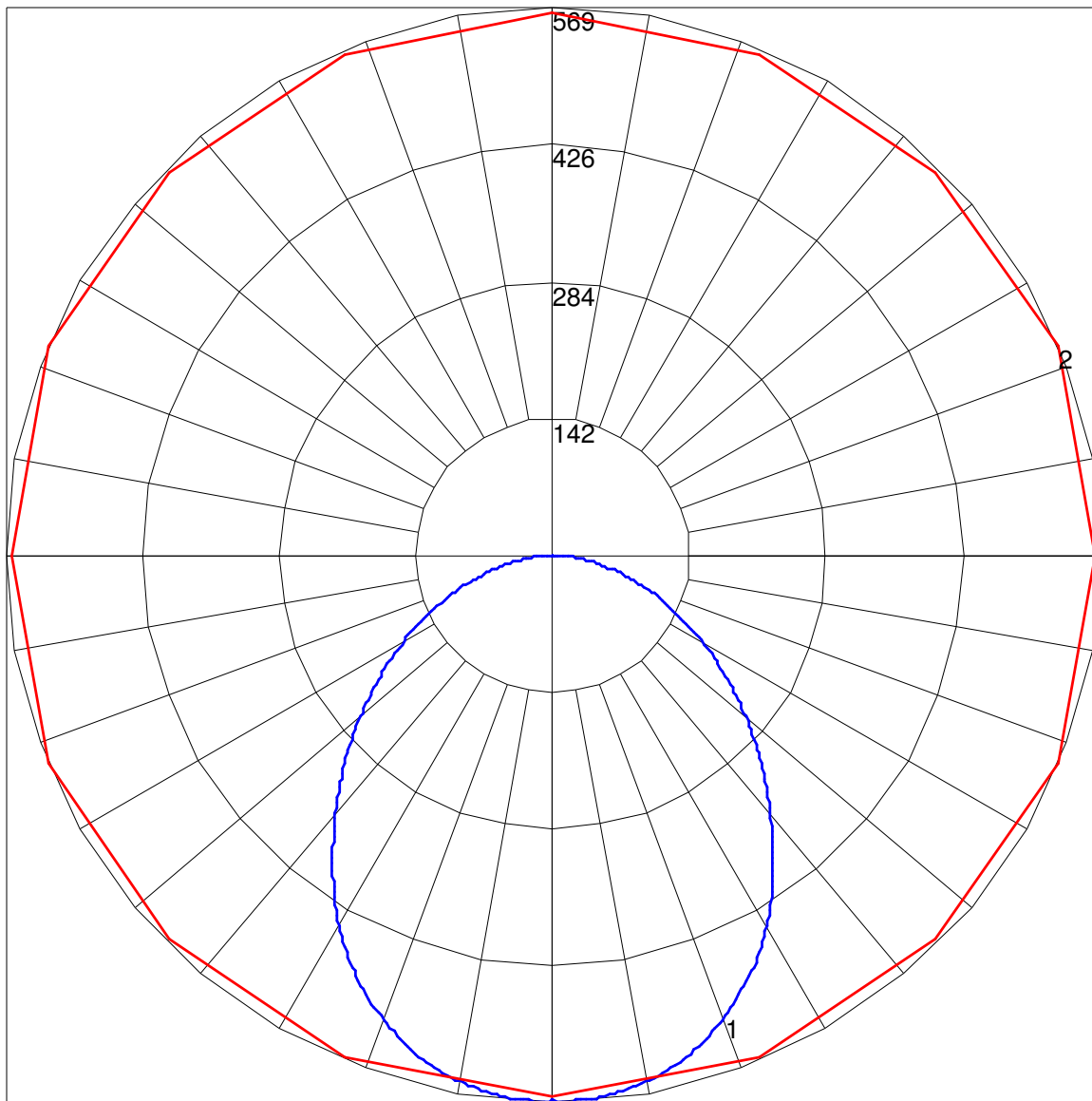
X=2H	Y=2H	18.3	19.9	18.7	20.2	20.5	17.2	18.8	17.6	19.1	19.4
	3H	20.0	21.4	20.4	21.7	22.1	18.8	20.2	19.2	20.6	20.9
	4H	20.6	21.9	21.0	22.3	22.6	19.4	20.7	19.8	21.1	21.5
	6H	21.0	22.2	21.4	22.6	23.0	19.9	21.1	20.3	21.5	21.9
	8H	21.1	22.3	21.5	22.7	23.1	20.1	21.2	20.5	21.6	22.0
	12H	21.2	22.3	21.6	22.7	23.1	20.2	21.3	20.6	21.7	22.1

UGR Viewed Endwise

4H	2H	18.8	20.1	19.2	20.5	20.8	17.9	19.2	18.3	19.6	19.9
	3H	20.7	21.8	21.1	22.2	22.6	19.7	20.8	20.1	21.2	21.6
	4H	21.4	22.4	21.8	22.8	23.2	20.4	21.4	20.9	21.8	22.3
	6H	21.9	22.8	22.4	23.3	23.7	21.0	21.9	21.5	22.3	22.8
	8H	22.1	22.9	22.6	23.4	23.8	21.2	22.0	21.7	22.5	23.0
	12H	22.2	23.0	22.7	23.4	23.9	21.4	22.1	21.9	22.6	23.1
8H	4H	21.6	22.4	22.1	22.9	23.3	20.7	21.6	21.2	22.0	22.5
	6H	22.3	23.0	22.8	23.4	23.9	21.5	22.1	22.0	22.6	23.1
	8H	22.5	23.1	23.1	23.6	24.1	21.8	22.4	22.3	22.9	23.4
	12H	22.7	23.3	23.2	23.8	24.3	22.0	22.6	22.5	23.1	23.6
12H	4H	21.6	22.4	22.1	22.8	23.3	20.8	21.5	21.3	22.0	22.5
	6H	22.3	22.9	22.8	23.4	23.9	21.5	22.2	22.1	22.6	23.2
	8H	22.6	23.2	23.1	23.6	24.2	21.9	22.4	22.4	22.9	23.5

Maximum UGR = 24.3

POLAR GRAPH



Maximum Candela = 568.573 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.)