



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX2D-6-00-L4-835-F-DIM-UNV\_.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] GEN FROM 13012869.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 17-JAN-2024  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] MX2D-6-00-L4-835-F-DIM-UNV  
[LUMINAIRE] TWO INCH WIDE, SUSPENDED LED LUMINAIRE  
[LAMP] LED  
[BALLAST] 0-10V DIMMING DRIVER  
[LAMPCAT] HLMX 80 CRI 3500K CCT

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2255
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	20.4
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)	6.00 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	8314	7609	6974
55	7334	6668	6038
65	6448	5800	5251
75	5316	4870	4521
85	3835	4124	4217

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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	997.171	997.171	997.171	997.171	997.171
0.5	995.655	1003.233	994.898	994.898	993.382
1.0	994.898	1003.233	994.898	994.898	993.382
1.5	994.898	1002.475	994.898	994.898	993.382
2.0	994.898	1002.475	994.140	994.898	993.382
2.5	994.140	1001.717	994.140	994.898	993.382
3.0	993.382	1001.717	993.382	994.898	992.624
3.5	992.624	1000.959	992.624	994.140	991.867
4.0	991.867	1000.202	991.867	993.382	991.109
4.5	991.109	999.444	990.351	992.624	990.351
5.0	989.593	997.928	989.593	991.867	988.836
5.5	988.836	997.171	988.078	990.351	988.078
6.0	987.320	995.655	987.320	988.836	986.563
6.5	985.805	994.140	985.805	986.563	984.289
7.0	984.289	992.624	984.289	984.289	982.016
7.5	982.774	991.109	982.774	982.016	979.743
8.0	981.258	989.593	980.501	978.985	977.470
8.5	978.985	987.320	978.985	976.712	974.439
9.0	976.712	985.805	976.712	973.681	971.408
9.5	975.197	983.532	974.439	970.650	967.619
10.0	972.923	981.258	971.408	966.862	963.831
10.5	970.650	978.985	969.135	963.831	960.042
11.0	968.377	976.712	965.346	960.042	955.496
11.5	965.346	973.681	962.315	956.253	951.707
12.0	963.073	971.408	959.284	952.465	947.161
12.5	960.042	968.377	955.496	947.918	942.614
13.0	957.011	965.346	951.707	944.130	938.068
13.5	953.980	962.315	947.918	939.583	934.279
14.0	950.949	959.284	944.130	935.037	928.975
14.5	947.161	955.496	939.583	930.491	923.671
15.0	943.372	951.707	935.037	925.187	919.125
15.5	940.341	948.676	930.491	919.882	913.821
16.0	936.552	944.130	925.944	915.336	908.516
16.5	932.764	940.341	921.398	910.032	903.212
17.0	928.975	935.795	916.094	903.970	897.151
17.5	925.187	932.006	910.790	898.666	891.846
18.0	920.640	927.460	905.486	892.604	885.785
18.5	916.852	922.913	900.181	887.300	879.723
19.0	912.305	918.367	894.877	881.238	873.661
19.5	907.759	913.063	889.573	875.176	867.599
20.0	903.212	908.516	883.511	869.115	861.537
20.5	898.666	903.212	877.450	862.295	854.718
21.0	893.362	897.908	872.146	855.475	847.898
21.5	888.816	892.604	866.084	848.656	841.079
22.0	883.511	887.300	860.022	841.836	833.501
22.5	878.965	881.996	853.960	835.017	825.924
23.0	873.661	876.692	847.140	827.440	819.105
23.5	868.357	870.630	841.079	820.620	810.770
24.0	862.295	865.326	835.017	813.043	803.192
24.5	856.991	859.264	828.197	805.465	795.615
25.0	850.929	853.202	821.378	798.646	788.038
25.5	845.625	846.383	815.316	791.069	780.460
26.0	838.805	840.321	807.739	782.734	772.883
26.5	832.744	833.501	800.919	775.156	765.306

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**CANDELA TABULATION - (Cont.)**

27.0	825.924	827.440	794.099	768.337	757.653
27.5	819.862	820.620	786.522	760.759	749.848
28.0	813.043	813.800	779.703	752.500	742.347
28.5	806.223	806.981	772.125	744.999	734.694
29.0	799.404	799.404	764.548	737.421	727.192
29.5	791.069	792.584	756.819	729.617	719.084
30.0	784.249	785.007	749.090	722.191	711.128
30.5	777.429	777.429	741.058	714.083	703.172
31.0	769.852	769.852	732.951	706.279	695.292
31.5	762.275	762.275	724.843	698.020	686.805
32.0	754.925	754.470	716.735	689.684	678.622
32.5	747.423	746.135	708.476	681.198	670.590
33.0	739.922	738.103	700.217	672.711	661.952
33.5	732.269	729.844	691.882	664.073	653.768
34.0	724.540	721.509	683.244	655.435	644.827
34.5	716.735	713.098	674.985	646.646	636.189
35.0	709.158	704.839	666.422	637.704	627.323
35.5	701.202	696.580	657.784	629.066	618.079
36.0	693.094	687.942	649.373	619.973	608.759
36.5	685.593	679.531	640.659	610.881	598.984
37.0	677.334	671.120	631.718	601.788	589.285
37.5	669.150	662.709	622.929	592.619	579.662
38.0	661.194	654.147	613.987	583.451	570.039
38.5	652.935	645.812	605.198	573.979	562.007
39.0	644.524	637.401	596.560	565.265	554.127
39.5	636.113	629.066	587.846	557.916	544.958
40.0	627.551	620.807	579.056	549.580	536.017
40.5	619.140	612.472	570.570	540.639	527.379
41.0	610.881	604.288	563.902	532.001	519.044
41.5	602.394	596.029	555.870	523.666	510.936
42.0	594.059	587.618	548.368	515.483	503.132
42.5	585.573	579.359	540.109	507.678	495.554
43.0	577.389	570.948	532.153	500.025	488.204
43.5	569.509	564.432	524.272	492.524	480.930
44.0	562.613	556.930	516.544	485.174	473.808
44.5	556.021	548.974	508.890	477.899	466.609
45.0	547.762	541.170	501.313	470.777	459.487
45.5	539.730	532.986	493.812	463.654	452.440
46.0	531.698	524.879	486.386	456.607	445.317
46.5	523.742	516.847	479.036	449.485	438.346
47.0	515.710	508.966	471.686	442.438	431.299
47.5	507.754	501.086	464.260	435.239	424.252
48.0	499.949	493.205	456.835	428.117	417.281
48.5	492.220	485.401	449.333	421.070	410.310
49.0	484.492	477.596	441.831	414.023	403.415
49.5	476.763	469.943	434.254	407.052	396.595
50.0	469.034	462.214	426.828	400.081	389.776
50.5	461.305	454.486	419.403	393.185	383.032
51.0	453.576	446.833	412.053	386.366	376.288
51.5	445.696	439.179	404.779	379.470	369.544
52.0	437.967	431.375	397.580	372.651	362.800
52.5	430.162	423.798	390.609	365.831	356.132
53.0	422.509	416.220	383.638	359.088	349.389
53.5	414.856	408.719	376.818	352.344	342.645
54.0	407.203	401.293	369.923	345.600	335.977
54.5	399.550	393.943	363.104	338.856	329.309

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**CANDELA TABULATION - (Cont.)**

55.0	391.973	386.593	356.360	332.188	322.717
55.5	384.547	379.319	349.616	325.596	316.200
56.0	377.197	371.969	342.872	319.155	309.759
56.5	369.923	364.695	336.128	312.715	303.546
57.0	362.800	357.496	329.309	306.350	297.408
57.5	355.678	350.449	322.565	300.060	291.347
58.0	348.707	343.478	315.821	293.771	285.361
58.5	341.736	336.507	309.153	287.558	279.375
59.0	334.764	329.612	302.637	281.420	273.464
59.5	327.869	322.717	296.045	275.434	267.630
60.0	321.125	315.821	289.528	269.524	261.871
60.5	314.306	309.002	283.163	263.614	256.036
61.0	307.562	302.258	276.874	257.779	250.354
61.5	300.742	295.666	270.585	251.945	244.746
62.0	293.999	289.073	264.371	246.262	239.291
62.5	287.255	282.557	258.234	240.655	233.759
63.0	280.587	275.965	252.172	235.047	228.304
63.5	273.919	269.372	246.186	229.440	222.924
64.0	267.251	262.780	240.200	223.985	217.544
64.5	260.583	256.188	234.290	218.453	212.164
65.0	253.915	249.672	228.379	212.997	206.784
65.5	247.323	243.231	222.545	207.466	201.480
66.0	240.730	236.790	216.710	202.010	196.479
66.5	234.138	230.425	210.876	196.555	191.175
67.0	227.697	223.909	205.041	191.099	185.947
67.5	221.181	217.468	199.207	185.719	180.642
68.0	214.664	211.027	193.448	180.339	175.490
68.5	208.224	204.662	187.614	175.035	170.337
69.0	201.783	198.373	181.855	169.807	165.261
69.5	195.267	192.084	176.096	164.579	160.184
70.0	188.977	185.795	170.489	159.426	155.259
70.5	182.688	179.582	164.882	154.349	150.333
71.0	176.399	173.293	159.350	149.273	145.484
71.5	170.262	167.231	153.819	144.347	140.710
72.0	164.124	161.169	148.363	139.422	136.012
72.5	158.062	155.259	143.059	134.573	131.390
73.0	152.000	149.348	137.831	129.799	126.768
73.5	145.939	143.514	132.602	125.025	122.222
74.0	139.952	137.679	127.450	120.327	117.751
74.5	134.042	131.921	122.449	115.781	113.356
75.0	128.208	126.313	117.448	111.235	109.037
75.5	122.449	120.706	112.523	106.764	104.794
76.0	116.690	115.326	107.597	102.293	100.551
76.5	111.083	109.871	102.824	97.899	96.383
77.0	105.476	104.567	98.050	93.655	92.291
77.5	100.020	99.262	93.504	89.412	88.200
78.0	94.640	94.110	88.957	85.320	84.184
78.5	89.336	89.033	84.487	81.228	80.243
79.0	84.184	84.032	80.168	77.288	76.379
79.5	79.031	79.258	75.849	73.348	72.590
80.0	74.106	74.560	71.530	69.408	68.802
80.5	69.256	69.938	67.438	65.619	65.089
81.0	64.558	65.392	63.422	61.831	61.452
81.5	59.936	60.997	59.330	58.118	57.815
82.0	55.466	56.602	55.466	54.481	54.329
82.5	51.071	52.359	51.526	50.919	50.768

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**CANDELA TABULATION - (Cont.)**

83.0	46.903	48.192	47.737	47.434	47.358
83.5	42.736	44.176	44.024	43.948	43.948
84.0	38.796	40.311	40.387	40.538	40.690
84.5	34.931	36.523	36.901	37.280	37.432
85.0	31.143	32.810	33.492	34.022	34.249
85.5	27.581	29.248	30.158	30.840	31.218
86.0	24.096	25.763	26.899	27.733	28.112
86.5	20.762	22.505	23.717	24.702	25.232
87.0	17.504	19.246	20.610	21.747	22.353
87.5	14.321	16.140	17.655	18.867	19.474
88.0	11.214	13.109	14.700	15.988	16.746
88.5	8.183	10.078	11.745	13.260	14.094
89.0	5.077	6.971	8.714	10.078	10.911
89.5	2.046	3.789	4.925	5.531	6.062
90.0	0.455	1.743	2.652	3.410	3.713
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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PHOTOMETRIC FILENAME : MX2D-6-00-L4-835-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-6-00-L4-835-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**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	357.39	N.A.	15.80
0-30	735.71	N.A.	32.60
0-40	1153.35	N.A.	51.10
0-60	1863.25	N.A.	82.60
0-80	2217.58	N.A.	98.30
0-90	2255.27	N.A.	100.00
10-90	2161.19	N.A.	95.80
20-40	795.96	N.A.	35.30
20-50	1185.07	N.A.	52.50
40-70	938.18	N.A.	41.60
60-80	354.33	N.A.	15.70
70-80	126.05	N.A.	5.60
80-90	37.69	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	2255.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	94.08
10-20	263.31
20-30	378.32
30-40	417.64
40-50	389.11
50-60	320.79
60-70	228.28
70-80	126.05
80-90	37.69
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-6-00-L4-835-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-6-00-L4-835-F-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

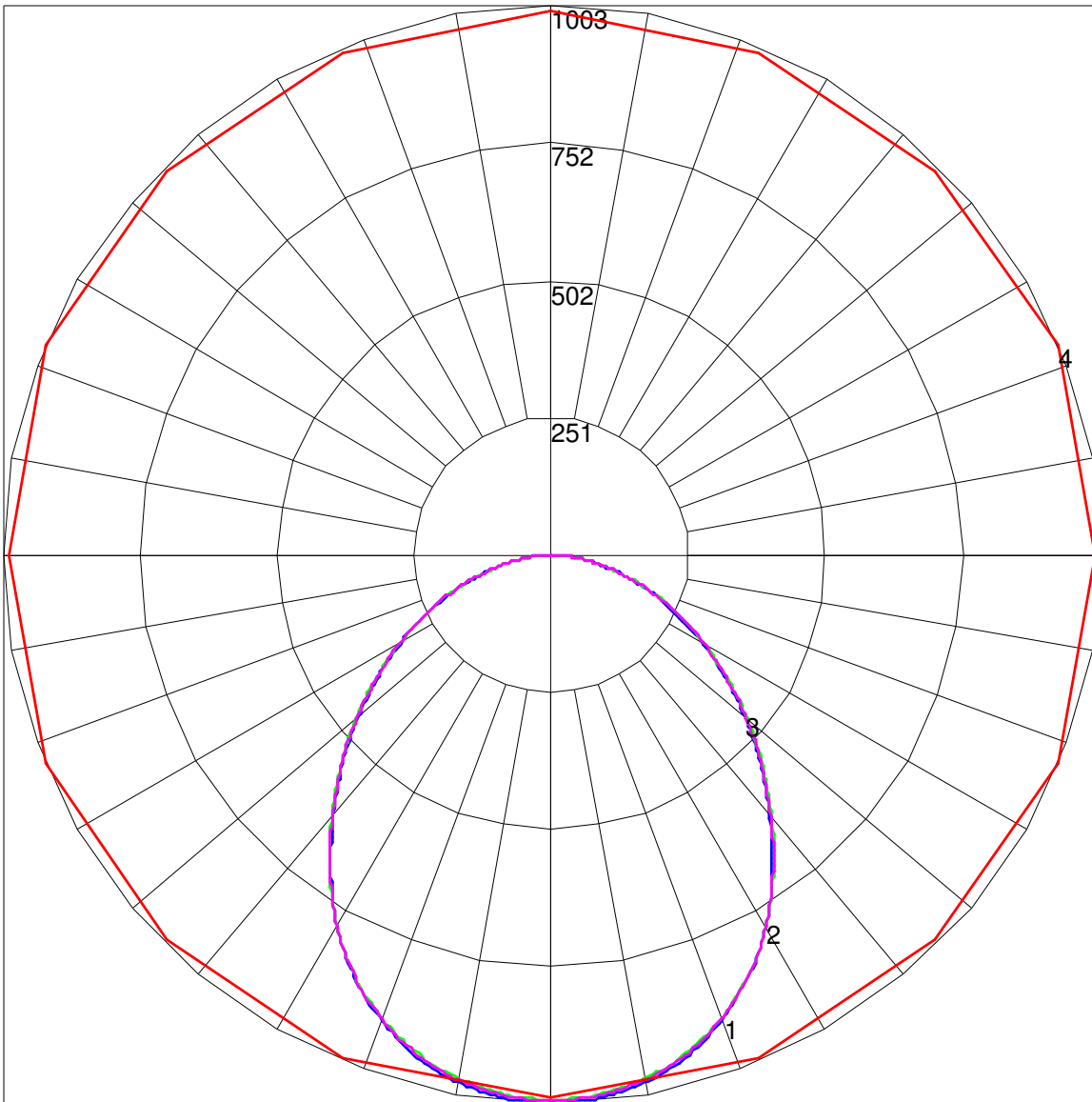
Reflectances

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	19.2	18.0	19.5	19.8
	3H	20.5	21.9	20.8	22.2	22.5	19.3	20.7	19.7	21.0	21.4
	4H	21.0	22.4	21.4	22.7	23.1	19.9	21.2	20.3	21.5	21.9
	6H	21.5	22.7	21.9	23.0	23.4	20.4	21.6	20.8	21.9	22.3
	8H	21.6	22.7	22.0	23.1	23.5	20.5	21.7	20.9	22.1	22.5
	12H	21.7	22.8	22.1	23.2	23.6	20.7	21.8	21.1	22.1	22.6
4H	2H	19.3	20.6	19.7	20.9	21.3	18.3	19.7	18.7	20.0	20.4
	3H	21.1	22.2	21.5	22.6	23.0	20.1	21.3	20.6	21.7	22.1
	4H	21.9	22.8	22.3	23.3	23.7	20.9	21.9	21.3	22.3	22.7
	6H	22.4	23.3	22.9	23.7	24.2	21.5	22.3	21.9	22.8	23.2
	8H	22.6	23.4	23.0	23.8	24.3	21.7	22.5	22.2	22.9	23.4
	12H	22.7	23.4	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.5
8H	4H	22.1	22.9	22.5	23.3	23.8	21.2	22.0	21.7	22.5	22.9
	6H	22.7	23.4	23.2	23.9	24.4	21.9	22.6	22.4	23.1	23.6
	8H	23.0	23.6	23.5	24.1	24.6	22.2	22.8	22.7	23.3	23.8
	12H	23.2	23.7	23.7	24.2	24.8	22.5	23.0	23.0	23.5	24.1
12H	4H	22.1	22.8	22.6	23.3	23.8	21.2	22.0	21.7	22.4	22.9
	6H	22.8	23.4	23.3	23.9	24.4	22.0	22.6	22.5	23.1	23.6
	8H	23.1	23.6	23.6	24.1	24.7	22.3	22.9	22.9	23.4	23.9

Maximum UGR = 24.8

POLAR GRAPH



Maximum Candela = 1003.233 Located At Horizontal Angle = 22.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (5 - 185)  
# 3 - Vertical Plane Through Horizontal Angles (10 - 190)  
# 4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)