



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13012869.08  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 02/02/2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV  
 [LUMINAIRE] 2 INCH WIDE DIRECT INDIRECT LED LUMINAIRE  
 [MORE] W/FLAT DIFFUSE ACRYLIC LENS  
 [LAMP] LED  
 [LAMPCAT] HLMX 80 CRI 3500K CCT

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5031
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	39.1
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.25 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.33 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8054	3175	2376
55	6922	2210	1597
65	5829	1428	1005
75	4415	764	536
85	2314	237	176

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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	1074.169	1074.169	1074.169	1074.169	1074.169
0.5	1070.955	1080.596	1071.759	1072.562	1072.562
1.0	1070.955	1079.793	1071.759	1072.562	1072.562
1.5	1070.955	1079.793	1071.759	1072.562	1073.366
2.0	1070.152	1079.793	1070.955	1072.562	1073.366
2.5	1070.152	1078.990	1070.955	1073.366	1073.366
3.0	1069.349	1078.186	1070.152	1072.562	1072.562
3.5	1068.545	1077.383	1069.349	1072.562	1072.562
4.0	1066.938	1076.579	1068.545	1071.759	1071.759
4.5	1066.135	1075.776	1067.742	1070.955	1070.955
5.0	1065.331	1074.169	1066.135	1070.152	1069.349
5.5	1063.725	1073.366	1065.331	1068.545	1067.742
6.0	1062.118	1071.759	1063.725	1066.938	1066.135
6.5	1060.511	1070.152	1062.118	1064.528	1064.528
7.0	1058.904	1068.545	1060.511	1062.118	1062.118
7.5	1056.494	1066.938	1058.101	1059.708	1058.904
8.0	1054.887	1064.528	1056.494	1056.494	1055.690
8.5	1052.477	1062.118	1054.084	1053.280	1052.477
9.0	1050.067	1060.511	1051.673	1050.067	1049.263
9.5	1047.656	1058.101	1049.263	1046.853	1045.246
10.0	1045.246	1055.690	1046.049	1042.836	1040.426
10.5	1042.836	1053.280	1043.639	1039.622	1035.605
11.0	1040.426	1050.067	1039.622	1035.605	1031.588
11.5	1037.212	1046.853	1036.408	1030.785	1026.767
12.0	1033.998	1044.443	1032.391	1026.767	1021.143
12.5	1030.785	1041.229	1028.374	1021.947	1016.323
13.0	1027.571	1038.015	1024.357	1017.126	1010.699
13.5	1024.357	1033.998	1020.340	1012.306	1005.075
14.0	1020.340	1030.785	1015.520	1007.485	1000.255
14.5	1017.126	1026.767	1010.699	1001.861	994.631
15.0	1013.109	1022.750	1005.879	996.238	988.203
15.5	1008.289	1018.733	1001.058	990.614	982.579
16.0	1004.272	1014.716	996.238	984.990	976.152
16.5	1000.255	1009.896	990.614	978.562	969.725
17.0	996.238	1005.075	984.990	972.938	964.101
17.5	991.417	1001.058	979.366	966.511	957.674
18.0	986.597	995.434	973.742	960.084	951.246
18.5	982.579	990.614	968.118	954.460	944.819
19.0	977.759	985.793	961.691	947.229	937.588
19.5	972.938	980.169	955.263	940.802	931.161
20.0	967.315	974.545	948.836	934.374	923.930
20.5	962.494	969.725	942.409	927.144	915.896
21.0	957.674	963.297	935.981	919.109	909.468
21.5	952.050	957.674	929.554	911.879	900.631
22.0	946.426	952.050	923.127	904.648	893.400
22.5	940.802	945.622	915.896	896.614	886.169
23.0	935.178	939.998	909.468	888.580	877.332
23.5	929.554	933.571	902.238	880.545	869.298
24.0	923.127	927.144	895.007	872.511	860.460
24.5	917.503	920.716	888.580	864.477	852.426
25.0	910.272	914.289	880.545	855.640	843.588
25.5	903.845	907.862	873.315	847.605	835.554
26.0	897.417	900.631	866.084	839.571	827.520
26.5	890.186	893.400	858.050	831.537	818.682

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	883.759	886.169	850.819	822.699	809.845
27.5	876.528	878.939	842.785	814.665	801.650
28.0	868.494	871.708	835.554	805.828	793.134
28.5	861.263	864.477	826.716	797.713	784.939
29.0	853.229	856.443	818.682	789.358	776.824
29.5	845.999	849.212	810.648	781.002	768.147
30.0	837.964	841.178	802.132	772.888	759.390
30.5	830.734	832.340	793.696	764.371	751.356
31.0	822.699	825.110	785.099	755.775	742.277
31.5	813.862	816.272	776.262	747.098	733.600
32.0	806.631	807.434	767.505	738.180	724.843
32.5	797.874	798.999	758.587	728.780	716.166
33.0	790.081	790.000	749.428	719.701	706.766
33.5	781.645	781.484	740.429	710.623	697.607
34.0	773.129	772.486	731.271	701.383	689.011
34.5	764.853	763.247	722.031	691.903	679.932
35.0	756.578	754.248	713.033	682.423	670.211
35.5	748.303	744.768	703.874	672.862	660.329
36.0	739.947	735.850	694.313	663.542	650.848
36.5	731.431	726.611	685.154	653.821	641.127
37.0	722.835	717.612	675.754	644.260	630.602
37.5	713.676	708.453	666.595	634.539	620.319
38.0	705.079	699.294	657.115	624.657	610.115
38.5	696.000	689.975	647.956	614.695	600.233
39.0	686.922	680.896	638.315	605.134	591.878
39.5	677.683	671.978	628.995	596.939	582.799
40.0	668.604	663.221	619.515	587.619	572.997
40.5	659.284	653.982	610.196	578.702	563.356
41.0	650.366	644.903	601.760	569.061	554.117
41.5	641.368	636.066	594.127	559.580	545.119
42.0	632.129	626.907	585.049	550.502	536.361
42.5	622.970	617.989	576.532	541.664	527.926
43.0	614.052	609.071	567.534	533.067	519.650
43.5	605.536	600.956	558.777	524.712	511.616
44.0	597.341	593.645	550.180	516.597	503.743
44.5	591.074	584.888	541.664	508.644	496.030
45.0	582.237	576.291	533.308	500.850	488.237
45.5	573.560	567.775	525.114	493.138	480.604
46.0	565.043	559.018	517.079	485.585	472.972
46.5	556.447	550.261	509.045	477.953	465.420
47.0	548.011	541.584	501.172	470.401	457.787
47.5	539.414	532.907	493.218	462.849	450.235
48.0	530.979	524.391	485.344	455.216	442.683
48.5	522.543	515.874	477.391	447.664	435.211
49.0	514.107	507.438	469.517	439.951	427.820
49.5	505.751	499.003	461.563	432.480	420.428
50.0	497.476	490.647	453.690	425.008	413.117
50.5	489.121	482.291	445.736	417.536	405.967
51.0	480.765	474.016	437.782	410.145	398.816
51.5	472.490	465.741	429.909	402.753	391.666
52.0	464.134	457.466	422.196	395.442	384.516
52.5	455.779	449.351	414.483	388.211	377.445
53.0	447.423	441.156	406.931	380.981	370.456
53.5	439.148	433.042	399.459	373.750	363.225
54.0	430.953	425.088	392.068	366.680	356.155
54.5	422.758	417.054	384.757	359.449	349.085

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

55.0	414.644	409.180	377.445	352.299	342.015
55.5	406.529	401.387	370.215	345.309	335.025
56.0	398.495	393.594	362.984	338.239	327.955
56.5	390.541	385.962	355.753	331.410	321.126
57.0	382.668	378.249	348.522	324.500	314.377
57.5	374.875	370.536	341.292	317.752	307.789
58.0	367.242	362.823	334.141	311.003	301.201
58.5	359.610	355.191	326.991	304.415	294.854
59.0	352.299	347.719	320.001	297.827	288.427
59.5	345.068	340.328	312.931	291.319	282.160
60.0	337.837	332.936	306.022	284.892	275.974
60.5	330.687	325.625	299.193	278.545	269.788
61.0	323.456	318.314	292.444	272.278	263.682
61.5	316.225	311.164	285.695	266.092	257.656
62.0	308.914	304.013	279.027	259.906	251.791
62.5	301.683	296.943	272.439	253.800	245.926
63.0	294.533	289.953	266.011	247.854	240.141
63.5	287.463	282.964	259.504	241.909	234.357
64.0	280.393	275.894	253.076	235.964	228.653
64.5	273.323	268.904	246.729	230.099	222.948
65.0	266.413	261.994	240.382	224.314	217.405
65.5	259.423	255.085	234.116	218.530	211.861
66.0	252.514	248.256	227.930	212.825	206.318
66.5	245.524	241.427	221.663	207.041	200.774
67.0	238.535	234.759	215.477	201.176	195.150
67.5	231.625	228.010	209.371	195.471	189.607
68.0	224.796	221.261	203.265	189.767	184.143
68.5	217.967	214.593	197.078	184.143	178.680
69.0	211.218	207.844	191.053	178.519	173.217
69.5	204.470	201.256	184.947	172.895	167.914
70.0	197.641	194.668	179.001	167.352	162.531
70.5	190.892	188.160	173.056	161.889	157.309
71.0	184.224	181.572	167.111	156.506	152.167
71.5	177.555	175.065	161.326	151.123	147.186
72.0	171.048	168.557	155.783	145.901	142.285
72.5	164.540	162.210	150.159	140.839	137.384
73.0	158.113	155.943	144.535	135.778	132.564
73.5	151.685	149.757	138.991	130.796	127.824
74.0	145.419	143.571	133.528	125.896	123.084
74.5	139.152	137.545	128.225	121.075	118.424
75.0	132.966	131.600	122.923	116.335	113.764
75.5	126.940	125.654	117.701	111.675	109.265
76.0	120.914	119.870	112.559	107.096	104.846
76.5	115.049	114.166	107.497	102.516	100.508
77.0	109.265	108.542	102.516	98.017	96.089
77.5	103.480	102.998	97.615	93.678	91.831
78.0	97.856	97.535	92.875	89.260	87.492
78.5	92.313	92.232	88.135	85.002	83.314
79.0	86.930	87.010	83.636	80.743	79.297
79.5	81.627	81.868	79.137	76.646	75.280
80.0	76.405	76.887	74.798	72.549	71.343
80.5	71.263	72.067	70.460	68.532	67.487
81.0	66.362	67.326	66.202	64.675	63.711
81.5	61.622	62.747	62.024	60.819	60.015
82.0	56.882	58.248	57.926	56.962	56.320
82.5	52.302	53.749	53.990	53.267	52.785

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83.0	47.884	49.491	49.973	49.651	49.169
83.5	43.545	45.313	46.116	46.036	45.714
84.0	39.367	41.376	42.420	42.501	42.340
84.5	35.350	37.520	38.725	39.046	38.885
85.0	31.494	33.744	35.109	35.672	35.511
85.5	27.798	30.128	31.655	32.378	32.297
86.0	24.183	26.513	28.280	29.084	29.084
86.5	20.728	23.138	24.986	25.950	25.950
87.0	17.354	19.764	21.773	22.897	22.897
87.5	14.060	16.550	18.559	19.844	19.844
88.0	10.846	13.417	15.506	16.872	16.952
88.5	7.632	10.364	12.453	14.140	14.220
89.0	4.419	6.990	9.239	10.926	10.525
89.5	2.169	4.178	5.865	6.909	6.508
90.0	1.928	3.053	3.776	4.017	3.294
90.5	2.169	4.499	6.106	6.508	6.427
91.0	4.419	5.544	7.070	8.436	8.516
91.5	7.713	7.391	8.115	9.079	9.159
92.0	11.489	9.962	9.641	10.364	10.364
92.5	15.345	12.774	11.248	11.810	11.810
93.0	19.202	15.908	13.096	13.337	13.256
93.5	23.138	19.041	15.426	14.944	14.863
94.0	27.075	22.174	18.077	16.631	16.470
94.5	31.012	25.468	20.969	18.479	18.157
95.0	34.949	28.923	24.103	20.648	19.925
95.5	38.805	32.538	27.316	23.058	22.014
96.0	42.742	36.314	30.450	25.709	24.344
96.5	46.598	40.171	33.503	28.602	26.834
97.0	50.535	44.108	36.395	31.655	29.726
97.5	54.472	47.964	39.287	34.788	32.699
98.0	58.408	51.901	42.260	37.841	35.752
98.5	62.345	55.757	45.152	40.814	38.805
99.0	66.282	59.694	48.044	43.706	41.778
99.5	70.219	63.631	51.097	46.598	44.750
100.0	74.155	67.567	54.150	49.410	47.562
100.5	78.173	71.584	57.284	52.302	50.455
101.0	82.109	75.602	60.497	55.195	53.347
101.5	86.207	79.619	63.711	58.167	56.239
102.0	90.304	83.716	67.166	61.060	59.212
102.5	94.562	87.894	70.620	64.032	62.185
103.0	98.820	92.152	74.075	67.085	65.077
103.5	103.239	96.490	77.690	70.219	68.130
104.0	107.738	100.909	81.467	73.352	71.263
104.5	112.157	105.408	85.243	76.646	74.477
105.0	116.656	109.988	89.179	79.940	77.771
105.5	121.236	114.648	93.196	83.314	81.065
106.0	125.976	119.388	97.374	86.769	84.520
106.5	130.877	124.289	101.713	90.384	87.974
107.0	135.938	129.350	106.212	94.000	91.590
107.5	141.080	134.492	110.872	97.776	95.205
108.0	146.463	139.795	115.612	101.713	98.981
108.5	152.007	145.258	120.593	105.810	102.837
109.0	157.711	150.882	125.654	109.988	106.855
109.5	163.495	156.586	130.957	114.326	111.032
110.0	169.601	162.531	136.420	118.825	115.290
110.5	175.788	168.718	142.125	123.566	119.709

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111.0	182.295	174.984	148.070	128.466	124.289
111.5	188.883	181.492	154.256	133.689	129.109
112.0	195.873	188.321	160.683	139.072	134.251
112.5	203.024	195.311	167.352	144.776	139.473
113.0	210.415	202.622	174.342	150.641	145.017
113.5	218.047	210.094	181.572	156.747	150.641
114.0	226.001	217.806	189.044	163.174	156.747
114.5	234.116	225.760	196.837	169.923	163.013
115.0	242.552	234.035	204.871	176.913	169.682
115.5	251.229	242.552	213.307	184.224	176.511
116.0	260.066	251.309	221.984	191.936	183.742
116.5	269.225	260.388	230.982	200.051	191.213
117.0	278.786	269.547	240.302	208.406	199.167
117.5	288.588	279.107	249.863	217.164	207.442
118.0	298.711	288.829	259.745	226.242	215.959
118.5	309.075	298.952	269.948	235.562	224.796
119.0	319.680	309.316	280.312	245.203	234.035
119.5	330.446	319.921	291.078	255.326	243.596
120.0	341.292	330.847	302.165	265.690	253.478
120.5	352.459	342.015	313.493	276.456	263.682
121.0	363.868	353.504	325.143	287.623	274.287
121.5	375.598	365.234	337.034	299.193	285.374
122.0	387.569	377.285	349.246	311.003	296.782
122.5	399.861	389.416	361.699	323.295	308.673
123.0	412.394	401.789	374.312	335.828	320.805
123.5	425.088	414.322	387.167	348.603	333.258
124.0	437.862	427.097	400.182	361.699	346.032
124.5	450.878	439.871	413.358	375.196	359.208
125.0	463.893	452.886	426.775	388.934	372.866
125.5	476.828	465.982	440.273	402.994	386.685
126.0	489.683	479.158	453.850	417.215	400.664
126.5	502.618	492.334	467.428	431.676	414.965
127.0	515.794	505.671	481.247	446.298	429.668
127.5	529.050	519.008	494.985	461.081	444.450
128.0	542.226	532.505	508.724	475.864	459.394
128.5	555.322	545.842	522.382	490.647	474.338
129.0	568.096	559.098	535.879	505.510	489.362
129.5	581.031	572.274	549.377	520.293	504.626
130.0	592.279	584.968	562.714	535.156	520.052
130.5	602.884	595.895	575.890	549.859	535.317
131.0	615.096	608.107	587.619	564.401	550.662
131.5	627.389	620.158	599.751	578.139	565.927
132.0	639.440	632.531	610.919	591.556	579.505
132.5	651.491	644.662	623.372	605.214	594.449
133.0	663.382	656.472	635.744	617.185	609.151
133.5	674.871	668.443	647.876	630.281	621.765
134.0	686.038	679.852	659.927	643.216	635.985
134.5	697.125	691.260	671.577	655.910	649.804
135.0	707.489	702.106	683.226	668.363	663.141
135.5	718.014	712.872	694.635	680.334	675.915
136.0	728.218	723.397	705.722	692.305	688.529
136.5	737.778	733.761	716.648	703.713	700.901
137.0	747.259	743.563	727.655	715.282	712.792
137.5	756.498	753.525	737.618	726.370	724.441
138.0	765.737	763.005	747.982	737.135	735.529
138.5	774.816	772.486	757.703	747.500	746.053

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	783.091	781.645	767.103	757.783	756.739
139.5	791.446	790.643	776.503	767.505	766.701
140.0	799.722	798.918	785.340	777.467	776.583
140.5	807.434	807.434	794.098	786.706	785.903
141.0	815.469	815.469	803.016	795.865	794.982
141.5	822.699	823.503	811.452	805.024	804.221
142.0	829.930	831.537	820.289	813.058	813.058
142.5	837.161	838.768	827.520	821.896	821.093
143.0	844.392	845.999	835.554	829.930	829.930
143.5	850.819	853.229	843.588	837.964	837.964
144.0	857.246	859.657	850.819	845.999	845.999
144.5	863.674	866.887	857.246	854.033	854.033
145.0	870.101	873.315	864.477	861.263	862.067
145.5	876.528	879.742	870.904	868.494	870.101
146.0	882.152	886.169	877.332	875.725	877.332
146.5	888.580	891.793	883.759	882.956	885.366
147.0	894.204	897.417	890.186	889.383	891.793
147.5	899.024	903.845	895.810	895.810	899.024
148.0	905.451	909.468	902.238	902.238	905.451
148.5	911.075	915.092	907.862	907.862	911.879
149.0	916.699	920.716	913.486	913.486	917.503
149.5	921.520	926.340	919.109	919.109	923.127
150.0	927.144	931.161	924.733	923.930	927.947
150.5	931.964	936.785	930.357	928.750	932.768
151.0	936.785	941.605	935.981	934.374	937.588
151.5	942.409	947.229	940.802	939.195	941.605
152.0	947.229	952.050	946.426	944.015	945.622
152.5	952.050	956.870	952.050	948.836	950.443
153.0	956.870	961.691	956.870	953.656	954.460
153.5	961.691	965.708	961.691	958.477	958.477
154.0	965.708	970.528	966.511	963.297	962.494
154.5	970.528	975.349	971.332	968.118	967.315
155.0	974.545	979.366	976.152	972.938	971.332
155.5	978.562	983.383	980.973	977.759	976.152
156.0	982.579	987.400	984.990	982.579	980.973
156.5	986.597	991.417	989.810	987.400	985.793
157.0	989.810	995.434	993.827	992.220	989.810
157.5	993.827	999.451	997.844	997.041	994.631
158.0	997.844	1003.468	1001.861	1001.058	999.451
158.5	1001.861	1006.682	1005.879	1005.879	1003.468
159.0	1005.075	1010.699	1009.092	1009.896	1007.485
159.5	1008.289	1013.913	1013.109	1014.716	1012.306
160.0	1011.502	1017.126	1017.126	1018.733	1016.323
160.5	1014.716	1020.340	1020.340	1021.947	1020.340
161.0	1017.930	1023.554	1023.554	1025.964	1024.357
161.5	1021.143	1026.767	1026.767	1029.178	1027.571
162.0	1024.357	1029.981	1029.981	1032.391	1031.588
162.5	1027.571	1033.195	1033.195	1035.605	1034.802
163.0	1030.785	1035.605	1036.408	1038.819	1038.015
163.5	1033.998	1038.819	1038.819	1041.229	1040.426
164.0	1037.212	1042.032	1042.032	1043.639	1043.639
164.5	1039.622	1045.246	1044.443	1046.049	1046.049
165.0	1042.836	1047.656	1046.853	1048.460	1048.460
165.5	1045.246	1050.067	1048.460	1050.870	1050.870
166.0	1048.460	1053.280	1050.870	1052.477	1053.280
166.5	1050.870	1055.690	1052.477	1054.887	1054.887

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1053.280	1058.101	1054.887	1057.297	1058.101
167.5	1055.690	1060.511	1056.494	1058.904	1059.708
168.0	1058.101	1062.118	1058.904	1061.314	1061.314
168.5	1060.511	1064.528	1060.511	1062.921	1063.725
169.0	1062.118	1066.135	1062.118	1065.331	1066.135
169.5	1064.528	1068.545	1063.725	1066.938	1067.742
170.0	1066.135	1070.152	1065.331	1068.545	1070.152
170.5	1068.545	1071.759	1066.938	1070.152	1071.759
171.0	1070.152	1073.366	1067.742	1071.759	1073.366
171.5	1070.955	1074.169	1069.349	1073.366	1075.776
172.0	1073.366	1075.776	1070.955	1074.972	1077.383
172.5	1074.169	1077.383	1071.759	1076.579	1078.990
173.0	1075.776	1078.186	1073.366	1077.383	1080.596
173.5	1077.383	1079.793	1074.169	1078.186	1082.203
174.0	1078.186	1080.596	1074.972	1079.793	1083.007
174.5	1079.793	1081.400	1076.579	1080.596	1083.810
175.0	1080.596	1082.203	1077.383	1081.400	1084.613
175.5	1081.400	1083.007	1077.383	1082.203	1085.417
176.0	1083.007	1083.810	1078.990	1083.007	1086.220
176.5	1083.810	1084.613	1078.990	1083.007	1086.220
177.0	1083.810	1084.613	1079.793	1083.810	1086.220
177.5	1084.613	1085.417	1080.596	1083.810	1086.220
178.0	1085.417	1086.220	1080.596	1083.810	1087.024
178.5	1086.220	1086.220	1081.400	1084.613	1086.220
179.0	1086.220	1086.220	1081.400	1084.613	1086.220
179.5	1086.220	1086.220	1082.203	1084.613	1086.220
180.0	1084.613	1084.613	1084.613	1084.613	1084.613



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	384.48	N.A.	7.60
0-30	789.90	N.A.	15.70
0-40	1236.58	N.A.	24.60
0-60	1990.54	N.A.	39.60
0-80	2362.26	N.A.	47.00
0-90	2401.42	N.A.	47.70
10-90	2300.05	N.A.	45.70
20-40	852.10	N.A.	16.90
20-50	1266.35	N.A.	25.20
40-70	994.06	N.A.	19.80
60-80	371.72	N.A.	7.40
70-80	131.62	N.A.	2.60
80-90	39.16	N.A.	0.80
90-110	130.61	N.A.	2.60
90-120	338.25	N.A.	6.70
90-130	716.60	N.A.	14.20
90-150	1781.82	N.A.	35.40
90-180	2629.81	N.A.	52.30
110-180	2499.2	N.A.	49.70
0-180	5031.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	101.37
10-20	283.10
20-30	405.42
30-40	446.68
40-50	414.25
50-60	339.72
60-70	240.09
70-80	131.62
80-90	39.16
90-100	29.69
100-110	100.92
110-120	207.64
120-130	378.35
130-140	524.71
140-150	540.51
150-160	449.65
160-170	295.57
170-180	102.76

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	53	47	50	45	41	42	38	35	34	32	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	15
10	47	36	28	24	44	33	27	22	29	24	20	25	20	18	21	17	15	13

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-03-L4-835U-L4-835D-F-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

X=2H	Y=2H	9.9	10.7	10.9	11.7	13.0	11.1	11.9	12.1	12.9	14.2
	3H	11.0	11.8	12.0	12.8	14.1	12.6	13.3	13.6	14.3	15.7
	4H	11.3	12.0	12.3	13.0	14.3	13.1	13.8	14.1	14.8	16.2
	6H	11.4	12.1	12.4	13.1	14.4	13.5	14.2	14.5	15.2	16.5
	8H	11.4	12.0	12.4	13.1	14.4	13.7	14.3	14.7	15.3	16.6
	12H	11.4	12.0	12.4	13.0	14.4	13.7	14.3	14.8	15.3	16.7

### UGR Viewed Endwise

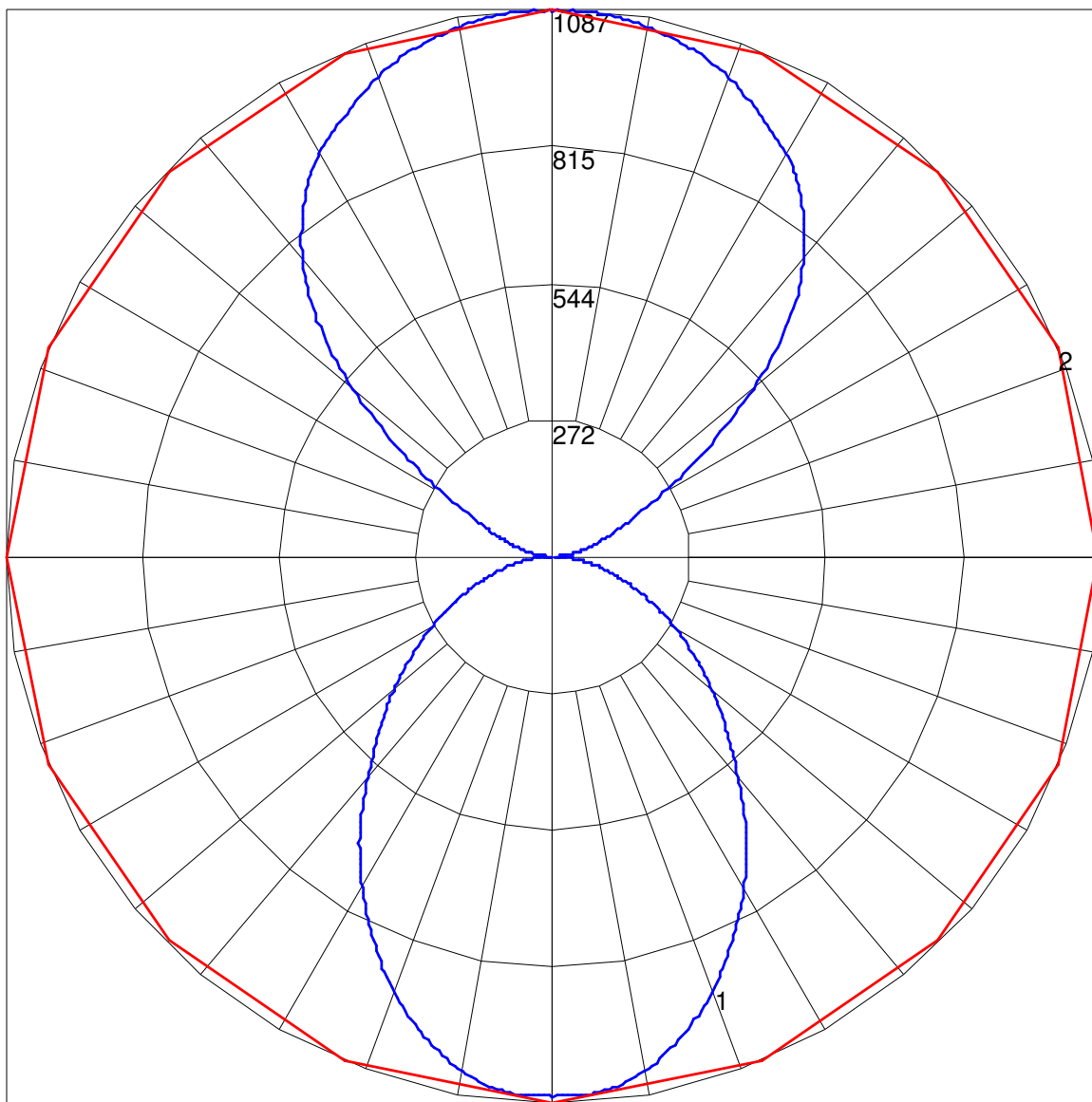
4H	2H	10.3	11.0	11.3	12.0	13.3	11.3	12.0	12.3	13.0	14.3
	3H	11.5	12.1	12.6	13.2	14.5	12.9	13.5	13.9	14.5	15.9
	4H	11.9	12.5	12.9	13.5	14.8	13.5	14.0	14.5	15.1	16.4
	6H	12.1	12.6	13.2	13.6	15.0	14.0	14.4	15.0	15.5	16.8
	8H	12.1	12.6	13.2	13.6	15.0	14.1	14.6	15.2	15.6	17.0
	12H	12.1	12.5	13.2	13.6	14.9	14.2	14.6	15.3	15.7	17.1

8H	4H	12.0	12.5	13.1	13.5	14.9	13.5	13.9	14.6	15.0	16.4
	6H	12.3	12.6	13.4	13.7	15.1	14.0	14.4	15.1	15.5	16.9
	8H	12.4	12.7	13.4	13.7	15.1	14.2	14.6	15.3	15.6	17.0
	12H	12.4	12.6	13.4	13.7	15.1	14.4	14.7	15.4	15.7	17.2

12H	4H	12.0	12.4	13.1	13.4	14.8	13.5	13.9	14.5	14.9	16.3
	6H	12.3	12.6	13.4	13.7	15.1	14.0	14.3	15.1	15.4	16.8
	8H	12.4	12.6	13.4	13.7	15.1	14.2	14.5	15.3	15.6	17.0

Maximum UGR = 17.2

POLAR GRAPH



Maximum Candela = 1087.024 Located At Horizontal Angle = 90, Vertical Angle = 178  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (178) (Through Max. Cd.)