



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-07-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-6-07-L4-835U-L4-835D-F-F-DIM-UNV  
 [LUMINAIRE] 2 INCH WIDE DIRECT INDIRECT LED LUMINAIRE  
 [MORE] W/FLAT DIFFUSED 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	5193
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	41.4
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)	6.58 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	7914	3114	2329
55	6807	2168	1565
65	5742	1401	984
75	4363	750	526
85	2312	232	173

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1108.758	1108.758	1108.758	1108.758	1108.758
<b>0.5</b>	1105.441	1115.392	1106.270	1107.099	1107.099
<b>1.0</b>	1105.441	1114.563	1106.270	1107.099	1107.099
<b>1.5</b>	1105.441	1114.563	1106.270	1107.099	1107.929
<b>2.0</b>	1104.611	1114.563	1105.441	1107.099	1107.929
<b>2.5</b>	1104.611	1113.734	1105.441	1107.929	1107.929
<b>3.0</b>	1103.782	1112.904	1104.611	1107.099	1107.099
<b>3.5</b>	1102.953	1112.075	1103.782	1107.099	1107.099
<b>4.0</b>	1101.294	1111.246	1102.953	1106.270	1106.270
<b>4.5</b>	1100.465	1110.416	1102.124	1105.441	1105.441
<b>5.0</b>	1099.636	1108.758	1100.465	1104.611	1103.782
<b>5.5</b>	1097.977	1107.929	1099.636	1102.953	1102.124
<b>6.0</b>	1096.319	1106.270	1097.977	1101.294	1100.465
<b>6.5</b>	1094.660	1104.611	1096.319	1098.806	1098.806
<b>7.0</b>	1093.001	1102.953	1094.660	1096.319	1096.319
<b>7.5</b>	1090.513	1101.294	1092.172	1093.831	1093.001
<b>8.0</b>	1088.855	1098.806	1090.513	1090.513	1089.684
<b>8.5</b>	1086.367	1096.319	1088.026	1087.196	1086.367
<b>9.0</b>	1083.879	1094.660	1085.538	1083.879	1083.050
<b>9.5</b>	1081.391	1092.172	1083.050	1080.562	1078.903
<b>10.0</b>	1078.903	1089.684	1079.733	1076.416	1073.928
<b>10.5</b>	1076.416	1087.196	1077.245	1073.098	1068.952
<b>11.0</b>	1073.928	1083.879	1073.098	1068.952	1064.806
<b>11.5</b>	1070.611	1080.562	1069.781	1063.976	1059.830
<b>12.0</b>	1067.293	1078.074	1065.635	1059.830	1054.025
<b>12.5</b>	1063.976	1074.757	1061.488	1054.854	1049.049
<b>13.0</b>	1060.659	1071.440	1057.342	1049.878	1043.244
<b>13.5</b>	1057.342	1067.293	1053.196	1044.903	1037.439
<b>14.0</b>	1053.196	1063.976	1048.220	1039.927	1032.463
<b>14.5</b>	1049.878	1059.830	1043.244	1034.122	1026.658
<b>15.0</b>	1045.732	1055.683	1038.268	1028.317	1020.024
<b>15.5</b>	1040.756	1051.537	1033.293	1022.512	1014.219
<b>16.0</b>	1036.610	1047.391	1028.317	1016.707	1007.585
<b>16.5</b>	1032.463	1042.415	1022.512	1010.073	1000.950
<b>17.0</b>	1028.317	1037.439	1016.707	1004.268	995.145
<b>17.5</b>	1023.341	1033.293	1010.902	997.633	988.511
<b>18.0</b>	1018.365	1027.488	1005.097	990.999	981.877
<b>18.5</b>	1014.219	1022.512	999.292	985.194	975.242
<b>19.0</b>	1009.243	1017.536	992.658	977.730	967.779
<b>19.5</b>	1004.268	1011.731	986.023	971.096	961.145
<b>20.0</b>	998.463	1005.926	979.389	964.462	953.681
<b>20.5</b>	993.487	1000.950	972.755	956.998	945.388
<b>21.0</b>	988.511	994.316	966.120	948.705	938.754
<b>21.5</b>	982.706	988.511	959.486	941.242	929.632
<b>22.0</b>	976.901	982.706	952.852	933.778	922.168
<b>22.5</b>	971.096	976.072	945.388	925.485	914.704
<b>23.0</b>	965.291	970.267	938.754	917.192	905.582
<b>23.5</b>	959.486	963.632	931.290	908.899	897.289
<b>24.0</b>	952.852	956.998	923.827	900.607	888.167
<b>24.5</b>	947.047	950.364	917.192	892.314	879.874
<b>25.0</b>	939.583	943.730	908.899	883.192	870.752
<b>25.5</b>	932.949	937.095	901.436	874.899	862.459
<b>26.0</b>	926.315	929.632	893.972	866.606	854.166
<b>26.5</b>	918.851	922.168	885.679	858.313	845.044

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-07-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	912.217	914.704	878.216	849.191	835.922
27.5	904.753	907.241	869.923	840.898	827.463
28.0	896.460	899.777	862.459	831.776	818.673
28.5	888.997	892.314	853.337	823.400	810.214
29.0	880.704	884.021	845.044	814.775	801.838
29.5	873.240	876.557	836.751	806.151	792.882
30.0	864.947	868.264	827.961	797.775	783.843
30.5	857.484	859.142	819.253	788.984	775.550
31.0	849.191	851.679	810.380	780.111	766.179
31.5	840.069	842.556	801.258	771.155	757.223
32.0	832.605	833.434	792.219	761.950	748.183
32.5	823.566	824.727	783.014	752.247	739.227
33.0	815.522	815.439	773.560	742.876	729.525
33.5	806.814	806.648	764.272	733.505	720.071
34.0	798.024	797.360	754.818	723.968	711.197
34.5	789.482	787.823	745.281	714.183	701.826
35.0	780.940	778.535	735.993	704.397	691.792
35.5	772.399	768.750	726.539	694.529	681.592
36.0	763.774	759.545	716.671	684.909	671.806
36.5	754.984	750.008	707.217	674.874	661.772
37.0	746.110	740.720	697.514	665.006	650.908
37.5	736.656	731.266	688.060	654.972	640.293
38.0	727.783	721.812	678.275	644.771	629.761
38.5	718.412	712.192	668.821	634.488	619.561
39.0	709.041	702.821	658.869	624.620	610.936
39.5	699.504	693.616	649.249	616.161	601.565
40.0	690.133	684.577	639.464	606.541	591.448
40.5	680.514	675.040	629.844	597.336	581.497
41.0	671.308	665.669	621.137	587.385	571.960
41.5	662.020	656.547	613.258	577.599	562.672
42.0	652.484	647.093	603.887	568.228	553.633
42.5	643.030	637.888	595.097	559.106	544.925
43.0	633.825	628.683	585.809	550.232	536.383
43.5	625.034	620.307	576.770	541.608	528.090
44.0	616.575	612.761	567.896	533.232	519.963
44.5	610.107	603.722	559.106	525.022	512.002
45.0	600.985	594.848	550.481	516.978	503.958
45.5	592.029	586.058	542.023	509.017	496.080
46.0	583.238	577.018	533.730	501.222	488.202
46.5	574.365	567.979	525.437	493.343	480.406
47.0	565.657	559.023	517.310	485.548	472.528
47.5	556.784	550.067	509.100	477.753	464.733
48.0	548.076	541.276	500.973	469.874	456.938
48.5	539.369	532.486	492.763	462.079	449.225
49.0	530.661	523.778	484.636	454.118	441.596
49.5	522.037	515.071	476.426	446.406	433.966
50.0	513.495	506.446	468.299	438.693	426.420
50.5	504.870	497.821	460.089	430.981	419.039
51.0	496.246	489.280	451.879	423.351	411.658
51.5	487.704	480.738	443.752	415.722	404.278
52.0	479.080	472.196	435.791	408.175	396.897
52.5	470.455	463.821	427.830	400.712	389.599
53.0	461.830	455.362	420.034	393.248	382.385
53.5	453.289	446.986	412.322	385.785	374.921
54.0	444.830	438.776	404.692	378.487	367.623
54.5	436.371	430.483	397.146	371.023	360.326

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55.0	427.995	422.356	389.599	363.643	353.028
55.5	419.620	414.312	382.136	356.428	345.813
56.0	411.327	406.268	374.672	349.130	338.515
56.5	403.117	398.390	367.209	342.081	331.466
57.0	394.990	390.429	359.745	334.949	324.500
57.5	386.946	382.468	352.281	327.983	317.700
58.0	379.067	374.506	344.901	321.017	310.900
58.5	371.189	366.628	337.520	314.217	304.349
59.0	363.643	358.916	330.305	307.417	297.714
59.5	356.179	351.286	323.008	300.700	291.246
60.0	348.716	343.657	315.876	294.065	284.860
60.5	341.335	336.110	308.827	287.514	278.475
61.0	333.871	328.564	301.861	281.046	272.172
61.5	326.408	321.183	294.895	274.660	265.953
62.0	318.861	313.803	288.012	268.275	259.899
62.5	311.398	306.505	281.212	261.972	253.845
63.0	304.017	299.290	274.577	255.835	247.874
63.5	296.719	292.075	267.860	249.699	241.903
64.0	289.421	284.777	261.226	243.562	236.015
64.5	282.124	277.563	254.674	237.508	230.127
65.0	274.992	270.431	248.123	231.537	224.405
65.5	267.777	263.299	241.654	225.566	218.683
66.0	260.645	256.250	235.269	219.678	212.961
66.5	253.430	249.201	228.801	213.707	207.239
67.0	246.216	242.318	222.415	207.654	201.434
67.5	239.084	235.352	216.112	201.766	195.712
68.0	232.035	228.386	209.810	195.878	190.073
68.5	224.986	221.503	203.424	190.073	184.434
69.0	218.020	214.537	197.205	184.268	178.794
69.5	211.054	207.737	190.902	178.463	173.321
70.0	204.005	200.936	184.765	172.741	167.765
70.5	197.039	194.219	178.629	167.101	162.375
71.0	190.156	187.419	172.492	161.545	157.067
71.5	183.273	180.702	166.521	155.989	151.926
72.0	176.555	173.985	160.799	150.599	146.867
72.5	169.838	167.433	154.994	145.374	141.808
73.0	163.204	160.965	149.189	140.150	136.832
73.5	156.570	154.579	143.467	135.008	131.940
74.0	150.101	148.194	137.828	129.949	127.047
74.5	143.633	141.974	132.354	124.974	122.237
75.0	137.247	135.837	126.881	120.081	117.427
75.5	131.027	129.701	121.491	115.271	112.783
76.0	124.808	123.730	116.183	110.544	108.222
76.5	118.754	117.842	110.959	105.817	103.744
77.0	112.783	112.037	105.817	101.173	99.183
77.5	106.812	106.315	100.758	96.695	94.788
78.0	101.007	100.676	95.866	92.134	90.309
78.5	95.285	95.202	90.973	87.739	85.997
79.0	89.729	89.812	86.329	83.343	81.851
79.5	84.256	84.504	81.685	79.114	77.704
80.0	78.865	79.363	77.207	74.885	73.641
80.5	73.558	74.387	72.729	70.738	69.660
81.0	68.499	69.494	68.333	66.758	65.763
81.5	63.606	64.767	64.021	62.777	61.948
82.0	58.714	60.123	59.792	58.797	58.133
82.5	53.987	55.479	55.728	54.982	54.484

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-07-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

83.0	49.426	51.084	51.582	51.250	50.752
83.5	44.947	46.772	47.601	47.518	47.186
84.0	40.635	42.708	43.786	43.869	43.703
84.5	36.489	38.728	39.972	40.303	40.138
85.0	32.508	34.830	36.240	36.820	36.655
85.5	28.693	31.098	32.674	33.420	33.337
86.0	24.962	27.366	29.191	30.020	30.020
86.5	21.396	23.883	25.791	26.786	26.786
87.0	17.913	20.400	22.474	23.635	23.635
87.5	14.513	17.083	19.157	20.483	20.483
88.0	11.195	13.849	16.005	17.415	17.498
88.5	7.878	10.698	12.854	14.595	14.678
89.0	4.561	7.215	9.537	11.278	10.864
89.5	2.239	4.312	6.054	7.132	6.717
90.0	1.990	3.151	3.898	4.146	3.400
90.5	2.239	4.644	6.303	6.717	6.634
91.0	4.561	5.722	7.298	8.708	8.790
91.5	7.961	7.629	8.376	9.371	9.454
92.0	11.859	10.283	9.951	10.698	10.698
92.5	15.839	13.186	11.610	12.191	12.191
93.0	19.820	16.420	13.517	13.766	13.683
93.5	23.883	19.654	15.922	15.425	15.342
94.0	27.947	22.888	18.659	17.166	17.000
94.5	32.011	26.288	21.644	19.074	18.742
95.0	36.074	29.854	24.879	21.313	20.566
95.5	40.055	33.586	28.196	23.801	22.722
96.0	44.118	37.484	31.430	26.537	25.127
96.5	48.099	41.464	34.581	29.523	27.698
97.0	52.162	45.528	37.567	32.674	30.684
97.5	56.226	49.508	40.552	35.908	33.752
98.0	60.289	53.572	43.621	39.059	36.903
98.5	64.353	57.553	46.606	42.128	40.055
99.0	68.416	61.616	49.591	45.113	43.123
99.5	72.480	65.680	52.743	48.099	46.191
100.0	76.543	69.743	55.894	51.001	49.094
100.5	80.690	73.890	59.128	53.987	52.079
101.0	84.753	78.036	62.445	56.972	55.065
101.5	88.983	82.182	65.763	60.040	58.050
102.0	93.212	86.412	69.328	63.026	61.119
102.5	97.607	90.724	72.894	66.094	64.187
103.0	102.002	95.119	76.460	69.246	67.172
103.5	106.563	99.597	80.192	72.480	70.324
104.0	111.207	104.159	84.090	75.714	73.558
104.5	115.769	108.803	87.987	79.114	76.875
105.0	120.413	113.530	92.051	82.514	80.275
105.5	125.140	118.339	96.197	85.997	83.675
106.0	130.032	123.232	100.510	89.563	87.241
106.5	135.091	128.291	104.988	93.295	90.807
107.0	140.316	133.515	109.632	97.027	94.539
107.5	145.623	138.823	114.442	100.924	98.271
108.0	151.179	144.296	119.335	104.988	102.168
108.5	156.901	149.935	124.476	109.217	106.149
109.0	162.789	155.740	129.701	113.530	110.295
109.5	168.760	161.628	135.174	118.008	114.608
110.0	175.063	167.765	140.813	122.652	119.003
110.5	181.448	174.150	146.701	127.544	123.564

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111.0	188.165	180.619	152.838	132.603	128.291
111.5	194.966	187.336	159.223	137.993	133.267
112.0	202.180	194.385	165.858	143.550	138.574
112.5	209.561	201.600	172.741	149.438	143.964
113.0	217.190	209.146	179.955	155.491	149.686
113.5	225.069	216.859	187.419	161.794	155.491
114.0	233.279	224.820	195.131	168.428	161.794
114.5	241.654	233.030	203.176	175.394	168.263
115.0	250.362	241.572	211.468	182.609	175.146
115.5	259.318	250.362	220.176	190.156	182.195
116.0	268.440	259.401	229.132	198.117	189.658
116.5	277.894	268.772	238.420	206.493	197.371
117.0	287.763	278.226	248.040	215.117	205.580
117.5	297.880	288.095	257.909	224.156	214.122
118.0	308.329	298.129	268.109	233.527	222.913
118.5	319.027	308.578	278.641	243.147	232.035
119.0	329.974	319.276	289.339	253.099	241.572
119.5	341.086	330.222	300.451	263.548	251.440
120.0	352.281	341.501	311.895	274.245	261.640
120.5	363.809	353.028	323.588	285.358	272.172
121.0	375.584	364.887	335.613	296.885	283.119
121.5	387.692	376.994	347.886	308.827	294.563
122.0	400.048	389.434	360.491	321.017	306.339
122.5	412.737	401.956	373.345	333.705	318.612
123.0	425.673	414.727	386.365	346.642	331.135
123.5	438.776	427.664	399.634	359.828	343.989
124.0	451.962	440.849	413.068	373.345	357.174
124.5	465.396	454.035	426.669	387.277	370.775
125.0	478.831	467.470	440.518	401.458	384.872
125.5	492.182	480.987	454.450	415.971	399.136
126.0	505.451	494.587	468.465	430.649	413.566
126.5	518.802	508.188	482.480	445.576	428.327
127.0	532.403	521.954	496.743	460.669	443.503
127.5	546.086	535.720	510.924	475.928	458.762
128.0	559.686	549.652	525.105	491.187	474.187
128.5	573.204	563.418	539.203	506.446	489.612
129.0	586.389	577.101	553.135	521.788	505.119
129.5	599.741	590.702	567.067	537.047	520.876
130.0	611.351	603.804	580.833	552.389	536.798
130.5	622.298	615.083	594.434	567.565	552.554
131.0	634.903	627.688	606.541	582.575	568.394
131.5	647.591	640.127	619.063	596.756	584.150
132.0	660.030	652.898	630.590	610.605	598.165
132.5	672.469	665.421	643.444	624.703	613.590
133.0	684.743	677.611	656.215	637.059	628.766
133.5	696.602	689.967	668.738	650.576	641.786
134.0	708.129	701.743	681.177	663.928	656.464
134.5	719.573	713.519	693.202	677.031	670.728
135.0	730.271	724.715	705.226	689.885	684.494
135.5	741.135	735.827	717.002	702.241	697.680
136.0	751.666	746.691	728.446	714.597	710.700
136.5	761.535	757.389	739.725	726.373	723.471
137.0	771.321	767.506	751.086	738.315	735.744
137.5	780.857	777.789	761.369	749.759	747.769
138.0	790.394	787.575	772.067	760.872	759.213
138.5	799.765	797.360	782.101	771.569	770.077

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-07-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	808.307	806.814	791.804	782.184	781.106
139.5	816.931	816.102	801.507	792.219	791.389
140.0	825.473	824.644	810.629	802.502	801.590
140.5	833.434	833.434	819.668	812.039	811.209
141.0	841.727	841.727	828.873	821.493	820.580
141.5	849.191	850.020	837.581	830.946	830.117
142.0	856.654	858.313	846.703	839.239	839.239
142.5	864.118	865.776	854.166	848.361	847.532
143.0	871.582	873.240	862.459	856.654	856.654
143.5	878.216	880.704	870.752	864.947	864.947
144.0	884.850	887.338	878.216	873.240	873.240
144.5	891.484	894.802	884.850	881.533	881.533
145.0	898.119	901.436	892.314	888.997	889.826
145.5	904.753	908.070	898.948	896.460	898.119
146.0	910.558	914.704	905.582	903.924	905.582
146.5	917.192	920.509	912.217	911.387	913.875
147.0	922.997	926.315	918.851	918.022	920.509
147.5	927.973	932.949	924.656	924.656	927.973
148.0	934.607	938.754	931.290	931.290	934.607
148.5	940.412	944.559	937.095	937.095	941.242
149.0	946.217	950.364	942.900	942.900	947.047
149.5	951.193	956.169	948.705	948.705	952.852
150.0	956.998	961.145	954.510	953.681	957.827
150.5	961.974	966.950	960.315	958.657	962.803
151.0	966.950	971.925	966.120	964.462	967.779
151.5	972.755	977.730	971.096	969.437	971.925
152.0	977.730	982.706	976.901	974.413	976.072
152.5	982.706	987.682	982.706	979.389	981.047
153.0	987.682	992.658	987.682	984.365	985.194
153.5	992.658	996.804	992.658	989.340	989.340
154.0	996.804	1001.780	997.633	994.316	993.487
154.5	1001.780	1006.755	1002.609	999.292	998.463
155.0	1005.926	1010.902	1007.585	1004.268	1002.609
155.5	1010.073	1015.048	1012.560	1009.243	1007.585
156.0	1014.219	1019.195	1016.707	1014.219	1012.560
156.5	1018.365	1023.341	1021.683	1019.195	1017.536
157.0	1021.683	1027.488	1025.829	1024.170	1021.683
157.5	1025.829	1031.634	1029.975	1029.146	1026.658
158.0	1029.975	1035.780	1034.122	1033.293	1031.634
158.5	1034.122	1039.098	1038.268	1038.268	1035.780
159.0	1037.439	1043.244	1041.586	1042.415	1039.927
159.5	1040.756	1046.561	1045.732	1047.391	1044.903
160.0	1044.073	1049.878	1049.878	1051.537	1049.049
160.5	1047.391	1053.196	1053.196	1054.854	1053.196
161.0	1050.708	1056.513	1056.513	1059.001	1057.342
161.5	1054.025	1059.830	1059.830	1062.318	1060.659
162.0	1057.342	1063.147	1063.147	1065.635	1064.806
162.5	1060.659	1066.464	1066.464	1068.952	1068.123
163.0	1063.976	1068.952	1069.781	1072.269	1071.440
163.5	1067.293	1072.269	1072.269	1074.757	1073.928
164.0	1070.611	1075.586	1075.586	1077.245	1077.245
164.5	1073.098	1078.903	1078.074	1079.733	1079.733
165.0	1076.416	1081.391	1080.562	1082.221	1082.221
165.5	1078.903	1083.879	1082.221	1084.708	1084.708
166.0	1082.221	1087.196	1084.708	1086.367	1087.196
166.5	1084.708	1089.684	1086.367	1088.855	1088.855

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-07-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1087.196	1092.172	1088.855	1091.343	1092.172
167.5	1089.684	1094.660	1090.513	1093.001	1093.831
168.0	1092.172	1096.319	1093.001	1095.489	1095.489
168.5	1094.660	1098.806	1094.660	1097.148	1097.977
169.0	1096.319	1100.465	1096.319	1099.636	1100.465
169.5	1098.806	1102.953	1097.977	1101.294	1102.124
170.0	1100.465	1104.611	1099.636	1102.953	1104.611
170.5	1102.953	1106.270	1101.294	1104.611	1106.270
171.0	1104.611	1107.929	1102.124	1106.270	1107.929
171.5	1105.441	1108.758	1103.782	1107.929	1110.416
172.0	1107.929	1110.416	1105.441	1109.587	1112.075
172.5	1108.758	1112.075	1106.270	1111.246	1113.734
173.0	1110.416	1112.904	1107.929	1112.075	1115.392
173.5	1112.075	1114.563	1108.758	1112.904	1117.051
174.0	1112.904	1115.392	1109.587	1114.563	1117.880
174.5	1114.563	1116.221	1111.246	1115.392	1118.709
175.0	1115.392	1117.051	1112.075	1116.221	1119.539
175.5	1116.221	1117.880	1112.075	1117.051	1120.368
176.0	1117.880	1118.709	1113.734	1117.880	1121.197
176.5	1118.709	1119.539	1113.734	1117.880	1121.197
177.0	1118.709	1119.539	1114.563	1118.709	1121.197
177.5	1119.539	1120.368	1115.392	1118.709	1121.197
178.0	1120.368	1121.197	1115.392	1118.709	1122.026
178.5	1121.197	1121.197	1116.221	1119.539	1121.197
179.0	1121.197	1121.197	1116.221	1119.539	1121.197
179.5	1121.197	1121.197	1117.051	1119.539	1121.197
180.0	1119.539	1119.539	1119.539	1119.539	1119.539



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-07-L4-835U-L4-835D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	396.86	N.A.	7.60
0-30	815.33	N.A.	15.70
0-40	1276.39	N.A.	24.60
0-60	2054.64	N.A.	39.60
0-80	2438.33	N.A.	47.00
0-90	2478.75	N.A.	47.70
10-90	2374.11	N.A.	45.70
20-40	879.54	N.A.	16.90
20-50	1307.12	N.A.	25.20
40-70	1026.07	N.A.	19.80
60-80	383.69	N.A.	7.40
70-80	135.86	N.A.	2.60
80-90	40.42	N.A.	0.80
90-110	134.82	N.A.	2.60
90-120	349.14	N.A.	6.70
90-130	739.67	N.A.	14.20
90-150	1839.2	N.A.	35.40
90-180	2714.49	N.A.	52.30
110-180	2579.67	N.A.	49.70
0-180	5193.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	104.64
10-20	292.22
20-30	418.47
30-40	461.06
40-50	427.59
50-60	350.66
60-70	247.83
70-80	135.86
80-90	40.42
90-100	30.65
100-110	104.17
110-120	214.32
120-130	390.53
130-140	541.61
140-150	557.91
150-160	464.13
160-170	305.09
170-180	106.07

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-07-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-6-07-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	9.8	10.7	10.8	11.7	13.0	UGR Viewed Endwise			
	3H	10.9	11.7	11.9	12.7	14.0	11.0	11.8	12.0	12.8
	4H	11.2	11.9	12.2	12.9	14.2	12.5	13.3	13.5	14.3
	6H	11.3	12.0	12.3	13.0	14.3	13.1	13.8	14.1	14.8
	8H	11.3	12.0	12.4	13.0	14.3	13.5	14.1	14.5	15.1
	12H	11.3	11.9	12.3	12.9	14.3	13.6	14.2	14.6	15.2

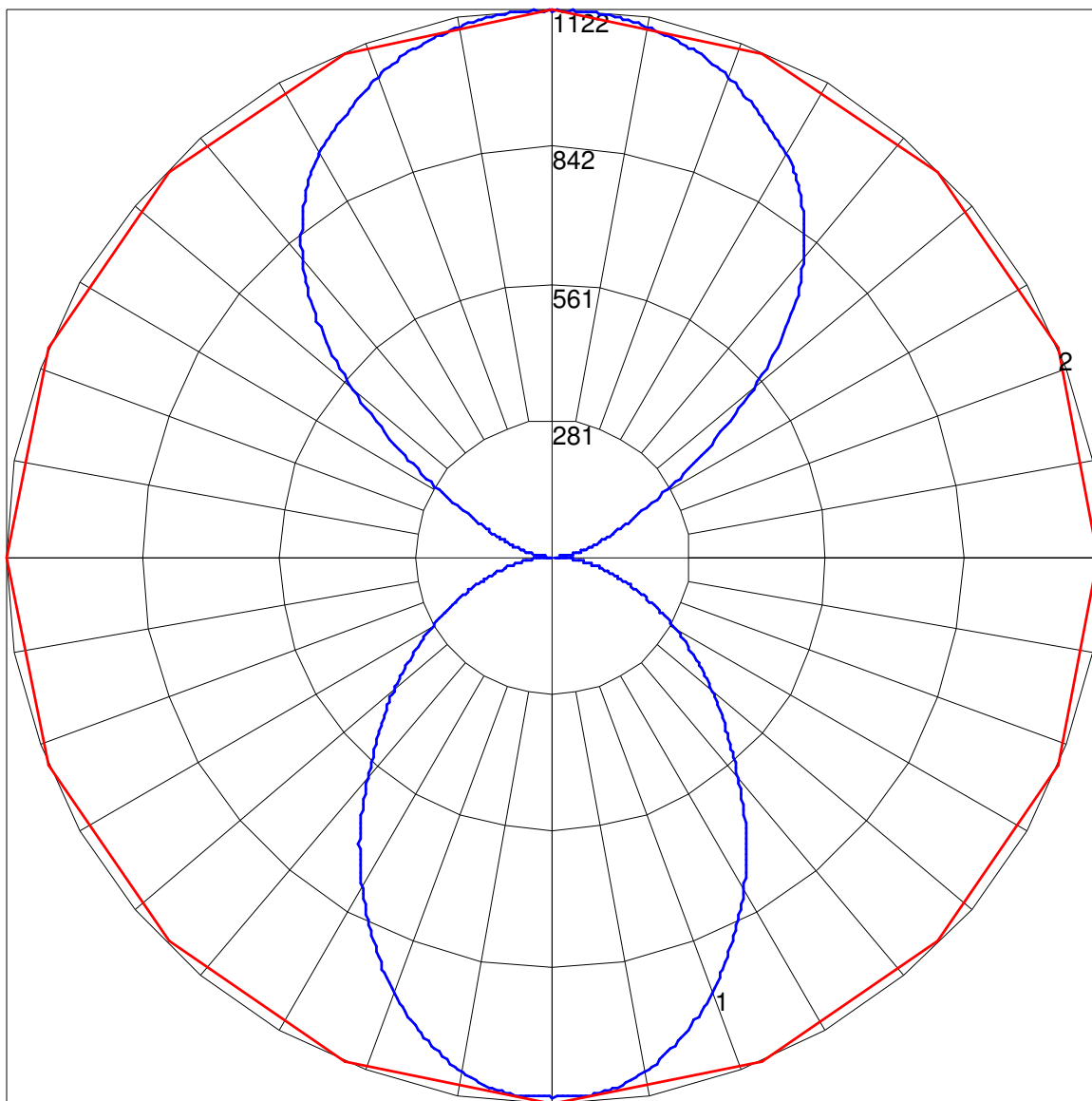
4H	2H	10.2	10.9	11.2	11.9	13.2	13.7	14.3	14.7	15.3
	3H	11.5	12.0	12.5	13.1	14.4	11.2	11.9	12.2	12.9
	4H	11.8	12.4	12.9	13.4	14.8	12.8	13.4	13.8	14.4
	6H	12.0	12.5	13.1	13.5	14.9	13.4	14.0	14.5	15.0
	8H	12.1	12.5	13.1	13.5	14.9	13.9	14.4	14.9	15.4
	12H	12.0	12.4	13.1	13.5	14.9	14.1	14.5	15.1	15.5

8H	4H	12.0	12.4	13.0	13.4	14.8	14.2	14.6	15.2	15.6
	6H	12.2	12.6	13.3	13.6	15.0	13.4	13.9	14.5	14.9
	8H	12.3	12.6	13.3	13.7	15.0	14.0	14.3	15.0	15.4
	12H	12.3	12.6	13.3	13.6	15.0	14.2	14.5	15.2	15.5

12H	4H	11.9	12.3	13.0	13.4	14.7	14.3	14.6	15.4	15.6
	6H	12.2	12.5	13.3	13.6	15.0	13.4	13.8	14.5	14.8
	8H	12.3	12.6	13.4	13.6	15.1	13.9	14.3	15.0	15.3

Maximum UGR = 17.1

POLAR GRAPH



Maximum Candela = 1122.026 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.)