



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-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] 01/12/2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV
 [LUMINAIRE] DIRECT, INDIRECT LINEAR LED LUMINAIRE
 [MORE] W/FLAT DIFFUSED ACRYLIC SHIELDING
 [LAMP] HLMX 80 CRI, 3500K CCT, SAMSUNG LM281B+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3153
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	25.5
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)	2.00 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	14243	6021	4653
55	11785	4173	3127
65	9373	2684	1967
75	6394	1430	1051
85	2512	440	346

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	673.197	673.197	673.197	673.197	673.197
0.5	671.183	677.225	671.687	672.190	672.190
1.0	671.183	676.722	671.687	672.190	672.190
1.5	671.183	676.722	671.687	672.190	672.694
2.0	670.680	676.722	671.183	672.190	672.694
2.5	670.680	676.218	671.183	672.694	672.694
3.0	670.176	675.715	670.680	672.190	672.190
3.5	669.673	675.211	670.176	672.190	672.190
4.0	668.666	674.708	669.673	671.687	671.687
4.5	668.162	674.204	669.169	671.183	671.183
5.0	667.659	673.197	668.162	670.680	670.176
5.5	666.652	672.694	667.659	669.673	669.169
6.0	665.645	671.687	666.652	668.666	668.162
6.5	664.638	670.680	665.645	667.155	667.155
7.0	663.630	669.673	664.638	665.645	665.645
7.5	662.120	668.666	663.127	664.134	663.630
8.0	661.113	667.155	662.120	662.120	661.616
8.5	659.602	665.645	660.609	660.106	659.602
9.0	658.092	664.638	659.099	658.092	657.588
9.5	656.581	663.127	657.588	656.078	655.071
10.0	655.071	661.616	655.574	653.560	652.050
10.5	653.560	660.106	654.064	651.546	649.029
11.0	652.050	658.092	651.546	649.029	646.511
11.5	650.036	656.078	649.532	646.008	643.490
12.0	648.022	654.567	647.015	643.490	639.965
12.5	646.008	652.553	644.497	640.469	636.944
13.0	643.993	650.539	641.979	637.448	633.420
13.5	641.979	648.022	639.462	634.427	629.895
14.0	639.462	646.008	636.441	631.406	626.874
14.5	637.448	643.490	633.420	627.881	623.349
15.0	634.930	640.972	630.399	624.356	619.321
15.5	631.909	638.455	627.378	620.832	615.797
16.0	629.392	635.937	624.356	617.307	611.769
16.5	626.874	632.916	620.832	613.279	607.741
17.0	624.356	629.895	617.307	609.755	604.216
17.5	621.335	627.378	613.783	605.726	600.188
18.0	618.314	623.853	610.258	601.698	596.160
18.5	615.797	620.832	606.733	598.174	592.132
19.0	612.776	617.811	602.705	593.642	587.600
19.5	609.755	614.286	598.677	589.614	583.572
20.0	606.230	610.762	594.649	585.586	579.040
20.5	603.209	607.741	590.621	581.054	574.005
21.0	600.188	603.712	586.593	576.019	569.977
21.5	596.663	600.188	582.565	571.488	564.438
22.0	593.139	596.663	578.537	566.956	559.907
22.5	589.614	592.635	574.005	561.921	555.375
23.0	586.089	589.111	569.977	556.886	549.836
23.5	582.565	585.082	565.445	551.851	544.801
24.0	578.537	581.054	560.914	546.815	539.263
24.5	575.012	577.026	556.886	541.780	534.228
25.0	570.481	572.998	551.851	536.242	528.689
25.5	566.452	568.970	547.319	531.207	523.654
26.0	562.424	564.438	542.787	526.171	518.619
26.5	557.893	559.907	537.752	521.136	513.080

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	553.865	555.375	533.221	515.598	507.541
27.5	549.333	550.844	528.185	510.562	502.406
28.0	544.298	546.312	523.654	505.024	497.068
28.5	539.766	541.780	518.115	499.938	491.932
29.0	534.731	536.745	513.080	494.702	486.847
29.5	530.199	532.214	508.045	489.465	481.409
30.0	525.164	527.178	502.708	484.380	475.921
30.5	520.633	521.640	497.421	479.043	470.886
31.0	515.598	517.108	492.033	473.655	465.196
31.5	510.059	511.569	486.495	468.217	459.758
32.0	505.527	506.031	481.006	462.628	454.270
32.5	500.039	500.744	475.417	456.737	448.832
33.0	495.155	495.105	469.677	451.047	442.941
33.5	489.868	489.767	464.038	445.357	437.201
34.0	484.531	484.128	458.298	439.567	431.813
34.5	479.345	478.338	452.507	433.626	426.123
35.0	474.158	472.698	446.868	427.684	420.031
35.5	468.972	466.757	441.128	421.692	413.838
36.0	463.736	461.168	435.136	415.852	407.896
36.5	458.398	455.377	429.396	409.759	401.804
37.0	453.011	449.738	423.505	403.767	395.208
37.5	447.271	443.998	417.765	397.675	388.763
38.0	441.883	438.258	411.824	391.482	382.368
38.5	436.194	432.417	406.083	385.238	376.175
39.0	430.504	426.728	400.041	379.246	370.938
39.5	424.713	421.139	394.201	374.110	365.249
40.0	419.024	415.650	388.259	368.270	359.106
40.5	413.183	409.860	382.418	362.681	353.064
41.0	407.594	404.170	377.131	356.638	347.273
41.5	401.955	398.631	372.348	350.697	341.634
42.0	396.164	392.891	366.658	345.007	336.145
42.5	390.424	387.302	361.321	339.469	330.859
43.0	384.835	381.713	355.682	334.081	325.672
43.5	379.498	376.628	350.193	328.845	320.637
44.0	374.362	372.046	344.806	323.759	315.703
44.5	370.435	366.558	339.469	318.774	310.869
45.0	364.896	361.170	334.232	313.890	305.985
45.5	359.458	355.833	329.096	309.056	301.202
46.0	354.121	350.345	324.061	304.323	296.418
46.5	348.733	344.856	319.026	299.540	291.685
47.0	343.446	339.418	314.092	294.807	286.902
47.5	338.059	333.980	309.107	290.074	282.169
48.0	332.772	328.643	304.172	285.291	277.436
48.5	327.485	323.306	299.188	280.558	272.753
49.0	322.198	318.019	294.253	275.724	268.121
49.5	316.962	312.732	289.268	271.041	263.488
50.0	311.775	307.496	284.334	266.359	258.907
50.5	306.539	302.259	279.349	261.676	254.425
51.0	301.302	297.073	274.364	257.044	249.944
51.5	296.116	291.887	269.430	252.411	245.463
52.0	290.880	286.700	264.596	247.829	240.981
52.5	285.643	281.615	259.762	243.298	236.551
53.0	280.407	276.479	255.029	238.766	232.170
53.5	275.220	271.394	250.347	234.234	227.638
54.0	270.085	266.409	245.714	229.803	223.207
54.5	264.949	261.374	241.133	225.272	218.777

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	259.863	256.439	236.551	220.791	214.346
55.5	254.778	251.555	232.019	216.410	209.965
56.0	249.743	246.671	227.487	211.979	205.534
56.5	244.758	241.888	222.956	207.699	201.254
57.0	239.823	237.054	218.424	203.369	197.025
57.5	234.939	232.220	213.892	199.140	192.896
58.0	230.156	227.387	209.411	194.910	188.767
58.5	225.373	222.603	204.930	190.781	184.789
59.0	220.791	217.921	200.549	186.652	180.761
59.5	216.259	213.288	196.118	182.574	176.834
60.0	211.727	208.656	191.788	178.546	172.957
60.5	207.246	204.074	187.508	174.568	169.080
61.0	202.714	199.492	183.279	170.641	165.253
61.5	198.183	195.011	179.049	166.764	161.477
62.0	193.601	190.529	174.870	162.887	157.801
62.5	189.069	186.099	170.741	159.060	154.125
63.0	184.588	181.718	166.713	155.334	150.500
63.5	180.157	177.337	162.635	151.608	146.875
64.0	175.726	172.906	158.607	147.882	143.300
64.5	171.295	168.526	154.629	144.206	139.725
65.0	166.965	164.196	150.651	140.581	136.251
65.5	162.584	159.865	146.724	136.956	132.776
66.0	158.254	155.586	142.847	133.381	129.302
66.5	153.874	151.306	138.919	129.755	125.828
67.0	149.493	147.127	135.042	126.080	122.303
67.5	145.163	142.897	131.216	122.505	118.829
68.0	140.883	138.668	127.389	118.930	115.405
68.5	136.603	134.488	123.512	115.405	111.981
69.0	132.374	130.259	119.735	111.881	108.557
69.5	128.144	126.130	115.909	108.356	105.234
70.0	123.864	122.001	112.183	104.882	101.861
70.5	119.635	117.923	108.457	101.458	98.588
71.0	115.456	113.794	104.731	98.084	95.365
71.5	111.276	109.716	101.105	94.711	92.244
72.0	107.198	105.637	97.631	91.438	89.172
72.5	103.120	101.659	94.107	88.266	86.101
73.0	99.091	97.732	90.582	85.094	83.080
73.5	95.063	93.855	87.108	81.972	80.109
74.0	91.136	89.978	83.684	78.901	77.138
74.5	87.208	86.201	80.361	75.879	74.218
75.0	83.331	82.475	77.038	72.909	71.297
75.5	79.555	78.749	73.765	69.988	68.478
76.0	75.779	75.124	70.542	67.118	65.708
76.5	72.103	71.549	67.370	64.248	62.990
77.0	68.478	68.025	64.248	61.429	60.220
77.5	64.853	64.550	61.177	58.710	57.552
78.0	61.328	61.127	58.206	55.940	54.833
78.5	57.854	57.803	55.235	53.272	52.214
79.0	54.480	54.530	52.416	50.603	49.697
79.5	51.157	51.308	49.596	48.035	47.179
80.0	47.884	48.186	46.877	45.467	44.712
80.5	44.662	45.165	44.158	42.950	42.295
81.0	41.590	42.194	41.489	40.533	39.929
81.5	38.619	39.324	38.871	38.116	37.612
82.0	35.649	36.505	36.303	35.699	35.296
82.5	32.779	33.685	33.836	33.383	33.081

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	30.009	31.016	31.319	31.117	30.815
83.5	27.290	28.398	28.902	28.851	28.650
84.0	24.672	25.931	26.586	26.636	26.535
84.5	22.155	23.514	24.269	24.471	24.370
85.0	19.738	21.148	22.004	22.356	22.255
85.5	17.422	18.882	19.838	20.292	20.241
86.0	15.156	16.616	17.724	18.227	18.227
86.5	12.991	14.501	15.659	16.263	16.263
87.0	10.876	12.386	13.645	14.350	14.350
87.5	8.811	10.372	11.631	12.437	12.437
88.0	6.797	8.409	9.718	10.574	10.624
88.5	4.783	6.495	7.804	8.862	8.912
89.0	2.769	4.381	5.790	6.848	6.596
89.5	1.359	2.618	3.676	4.330	4.078
90.0	1.208	1.913	2.367	2.518	2.064
90.5	1.359	2.820	3.827	4.078	4.028
91.0	2.769	3.474	4.431	5.287	5.337
91.5	4.834	4.632	5.085	5.690	5.740
92.0	7.200	6.244	6.042	6.495	6.495
92.5	9.617	8.006	7.049	7.402	7.402
93.0	12.034	9.970	8.207	8.358	8.308
93.5	14.501	11.933	9.667	9.365	9.315
94.0	16.968	13.897	11.329	10.423	10.322
94.5	19.436	15.961	13.142	11.581	11.379
95.0	21.903	18.126	15.105	12.940	12.487
95.5	24.320	20.392	17.119	14.451	13.796
96.0	26.787	22.759	19.083	16.112	15.256
96.5	29.204	25.176	20.997	17.925	16.817
97.0	31.671	27.643	22.809	19.838	18.630
97.5	34.138	30.060	24.622	21.802	20.493
98.0	36.605	32.527	26.485	23.715	22.406
98.5	39.073	34.944	28.297	25.578	24.320
99.0	41.540	37.411	30.110	27.391	26.183
99.5	44.007	39.878	32.023	29.204	28.046
100.0	46.474	42.345	33.937	30.966	29.808
100.5	48.992	44.863	35.900	32.779	31.621
101.0	51.459	47.381	37.915	34.591	33.433
101.5	54.027	49.898	39.929	36.454	35.246
102.0	56.595	52.466	42.094	38.267	37.109
102.5	59.264	55.084	44.259	40.130	38.972
103.0	61.932	57.753	46.424	42.043	40.785
103.5	64.701	60.472	48.690	44.007	42.698
104.0	67.521	63.241	51.056	45.971	44.662
104.5	70.290	66.061	53.423	48.035	46.676
105.0	73.110	68.931	55.890	50.100	48.740
105.5	75.980	71.851	58.408	52.214	50.804
106.0	78.951	74.822	61.026	54.379	52.970
106.5	82.022	77.894	63.745	56.645	55.135
107.0	85.194	81.066	66.564	58.911	57.401
107.5	88.417	84.288	69.485	61.278	59.666
108.0	91.790	87.611	72.456	63.745	62.033
108.5	95.265	91.035	75.577	66.313	64.450
109.0	98.840	94.560	78.749	68.931	66.967
109.5	102.465	98.135	82.073	71.650	69.586
110.0	106.292	101.861	85.497	74.470	72.254
110.5	110.169	105.738	89.071	77.440	75.023

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	114.247	109.665	92.797	80.512	77.894
111.5	118.376	113.744	96.675	83.785	80.915
112.0	122.757	118.024	100.703	87.158	84.137
112.5	127.238	122.404	104.882	90.733	87.410
113.0	131.870	126.986	109.262	94.409	90.884
113.5	136.654	131.669	113.794	98.235	94.409
114.0	141.638	136.502	118.477	102.264	98.235
114.5	146.724	141.487	123.361	106.493	102.163
115.0	152.011	146.673	128.396	110.874	106.342
115.5	157.449	152.011	133.683	115.456	110.622
116.0	162.987	157.499	139.121	120.289	115.153
116.5	168.727	163.189	144.760	125.375	119.836
117.0	174.719	168.929	150.601	130.611	124.821
117.5	180.862	174.921	156.593	136.100	130.007
118.0	187.206	181.013	162.786	141.789	135.344
118.5	193.702	187.357	169.180	147.630	140.883
119.0	200.348	193.853	175.676	153.672	146.673
119.5	207.095	200.499	182.423	160.017	152.665
120.0	213.892	207.347	189.371	166.512	158.858
120.5	220.891	214.346	196.471	173.259	165.253
121.0	228.041	221.546	203.772	180.258	171.899
121.5	235.392	228.897	211.224	187.508	178.848
122.0	242.895	236.450	218.877	194.910	185.998
122.5	250.599	244.053	226.682	202.614	193.450
123.0	258.453	251.807	234.587	210.469	201.053
123.5	266.409	259.662	242.643	218.474	208.857
124.0	274.415	267.668	250.800	226.682	216.863
124.5	282.572	275.674	259.058	235.141	225.121
125.0	290.729	283.830	267.466	243.751	233.681
125.5	298.835	292.038	275.925	252.562	242.341
126.0	306.891	300.295	284.435	261.474	251.102
126.5	314.998	308.553	292.944	270.538	260.065
127.0	323.256	316.911	301.604	279.702	269.279
127.5	331.563	325.270	310.215	288.966	278.544
128.0	339.821	333.729	318.825	298.231	287.909
128.5	348.028	342.087	327.384	307.496	297.274
129.0	356.034	350.395	335.843	316.811	306.690
129.5	364.141	358.653	344.302	326.075	316.257
130.0	371.190	366.608	352.661	335.390	325.924
130.5	377.836	373.456	360.918	344.604	335.491
131.0	385.490	381.109	368.270	353.718	345.108
131.5	393.194	388.662	375.873	362.328	354.675
132.0	400.746	396.416	382.871	370.737	363.184
132.5	408.299	404.019	390.676	379.297	372.549
133.0	415.751	411.421	398.430	386.799	381.764
133.5	422.951	418.923	406.033	395.006	389.669
134.0	429.950	426.073	413.586	403.113	398.581
134.5	436.898	433.223	420.887	411.068	407.242
135.0	443.394	440.020	428.188	418.873	415.600
135.5	449.990	446.767	435.338	426.375	423.606
136.0	456.384	453.363	442.286	433.877	431.511
136.5	462.376	459.859	449.134	441.027	439.265
137.0	468.318	466.002	456.032	448.278	446.717
137.5	474.108	472.245	462.276	455.226	454.018
138.0	479.899	478.187	468.771	461.973	460.966
138.5	485.588	484.128	474.863	468.469	467.562

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	490.774	489.868	480.754	474.914	474.259
139.5	496.011	495.507	486.646	481.006	480.503
140.0	501.197	500.694	492.184	487.250	486.696
140.5	506.031	506.031	497.673	493.040	492.537
141.0	511.066	511.066	503.262	498.780	498.226
141.5	515.598	516.101	508.548	504.520	504.017
142.0	520.129	521.136	514.087	509.555	509.555
142.5	524.661	525.668	518.619	515.094	514.591
143.0	529.192	530.199	523.654	520.129	520.129
143.5	533.221	534.731	528.689	525.164	525.164
144.0	537.249	538.759	533.221	530.199	530.199
144.5	541.277	543.291	537.249	535.235	535.235
145.0	545.305	547.319	541.780	539.766	540.270
145.5	549.333	551.347	545.808	544.298	545.305
146.0	552.858	555.375	549.836	548.829	549.836
146.5	556.886	558.900	553.865	553.361	554.872
147.0	560.410	562.424	557.893	557.389	558.900
147.5	563.431	566.452	561.417	561.417	563.431
148.0	567.459	569.977	565.445	565.445	567.459
148.5	570.984	573.502	568.970	568.970	571.488
149.0	574.509	577.026	572.495	572.495	575.012
149.5	577.530	580.551	576.019	576.019	578.537
150.0	581.054	583.572	579.544	579.040	581.558
150.5	584.075	587.096	583.068	582.061	584.579
151.0	587.096	590.118	586.593	585.586	587.600
151.5	590.621	593.642	589.614	588.607	590.118
152.0	593.642	596.663	593.139	591.628	592.635
152.5	596.663	599.684	596.663	594.649	595.656
153.0	599.684	602.705	599.684	597.670	598.174
153.5	602.705	605.223	602.705	600.691	600.691
154.0	605.223	608.244	605.726	603.712	603.209
154.5	608.244	611.265	608.748	606.733	606.230
155.0	610.762	613.783	611.769	609.755	608.748
155.5	613.279	616.300	614.790	612.776	611.769
156.0	615.797	618.818	617.307	615.797	614.790
156.5	618.314	621.335	620.328	618.818	617.811
157.0	620.328	623.853	622.846	621.839	620.328
157.5	622.846	626.371	625.363	624.860	623.349
158.0	625.363	628.888	627.881	627.378	626.371
158.5	627.881	630.902	630.399	630.399	628.888
159.0	629.895	633.420	632.413	632.916	631.406
159.5	631.909	635.434	634.930	635.937	634.427
160.0	633.923	637.448	637.448	638.455	636.944
160.5	635.937	639.462	639.462	640.469	639.462
161.0	637.951	641.476	641.476	642.986	641.979
161.5	639.965	643.490	643.490	645.001	643.993
162.0	641.979	645.504	645.504	647.015	646.511
162.5	643.993	647.518	647.518	649.029	648.525
163.0	646.008	649.029	649.532	651.043	650.539
163.5	648.022	651.043	651.043	652.553	652.050
164.0	650.036	653.057	653.057	654.064	654.064
164.5	651.546	655.071	654.567	655.574	655.574
165.0	653.560	656.581	656.078	657.085	657.085
165.5	655.071	658.092	657.085	658.595	658.595
166.0	657.085	660.106	658.595	659.602	660.106
166.5	658.595	661.616	659.602	661.113	661.113

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	660.106	663.127	661.113	662.623	663.127
167.5	661.616	664.638	662.120	663.630	664.134
168.0	663.127	665.645	663.630	665.141	665.141
168.5	664.638	667.155	664.638	666.148	666.652
169.0	665.645	668.162	665.645	667.659	668.162
169.5	667.155	669.673	666.652	668.666	669.169
170.0	668.162	670.680	667.659	669.673	670.680
170.5	669.673	671.687	668.666	670.680	671.687
171.0	670.680	672.694	669.169	671.687	672.694
171.5	671.183	673.197	670.176	672.694	674.204
172.0	672.694	674.204	671.183	673.701	675.211
172.5	673.197	675.211	671.687	674.708	676.218
173.0	674.204	675.715	672.694	675.211	677.225
173.5	675.211	676.722	673.197	675.715	678.232
174.0	675.715	677.225	673.701	676.722	678.736
174.5	676.722	677.729	674.708	677.225	679.239
175.0	677.225	678.232	675.211	677.729	679.743
175.5	677.729	678.736	675.211	678.232	680.246
176.0	678.736	679.239	676.218	678.736	680.750
176.5	679.239	679.743	676.218	678.736	680.750
177.0	679.239	679.743	676.722	679.239	680.750
177.5	679.743	680.246	677.225	679.239	680.750
178.0	680.246	680.750	677.225	679.239	681.253
178.5	680.750	680.750	677.729	679.743	680.750
179.0	680.750	680.750	677.729	679.743	680.750
179.5	680.750	680.750	678.232	679.743	680.750
180.0	679.743	679.743	679.743	679.743	679.743

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	240.96	N.A.	7.60
0-30	495.04	N.A.	15.70
0-40	774.98	N.A.	24.60
0-60	1247.5	N.A.	39.60
0-80	1480.46	N.A.	47.00
0-90	1505.00	N.A.	47.70
10-90	1441.47	N.A.	45.70
20-40	534.02	N.A.	16.90
20-50	793.64	N.A.	25.20
40-70	622.99	N.A.	19.80
60-80	232.96	N.A.	7.40
70-80	82.49	N.A.	2.60
80-90	24.54	N.A.	0.80
90-110	81.86	N.A.	2.60
90-120	211.99	N.A.	6.70
90-130	449.10	N.A.	14.20
90-150	1116.69	N.A.	35.40
90-180	1648.14	N.A.	52.30
110-180	1566.28	N.A.	49.70
0-180	3153.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.53
10-20	177.43
20-30	254.08
30-40	279.94
40-50	259.62
50-60	212.91
60-70	150.47
70-80	82.49
80-90	24.54
90-100	18.61
100-110	63.25
110-120	130.13
120-130	237.12
130-140	328.85
140-150	338.74
150-160	281.80
160-170	185.24
170-180	64.40

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-2-00-L8-835U-L8-835D-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-2-00-L8-835U-L8-835D-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	12.2	13.1	13.2	14.0	15.3	13.2	14.0	14.2	15.0	16.3
	3H	13.3	14.1	14.3	15.1	16.4	14.6	15.4	15.6	16.4	17.7
	4H	13.6	14.3	14.6	15.3	16.6	15.1	15.8	16.1	16.8	18.2
	6H	13.7	14.4	14.7	15.4	16.7	15.5	16.1	16.5	17.1	18.5
	8H	13.7	14.4	14.8	15.4	16.7	15.6	16.2	16.6	17.2	18.5
	12H	13.7	14.3	14.7	15.3	16.7	15.6	16.2	16.6	17.2	18.6

UGR Viewed Endwise

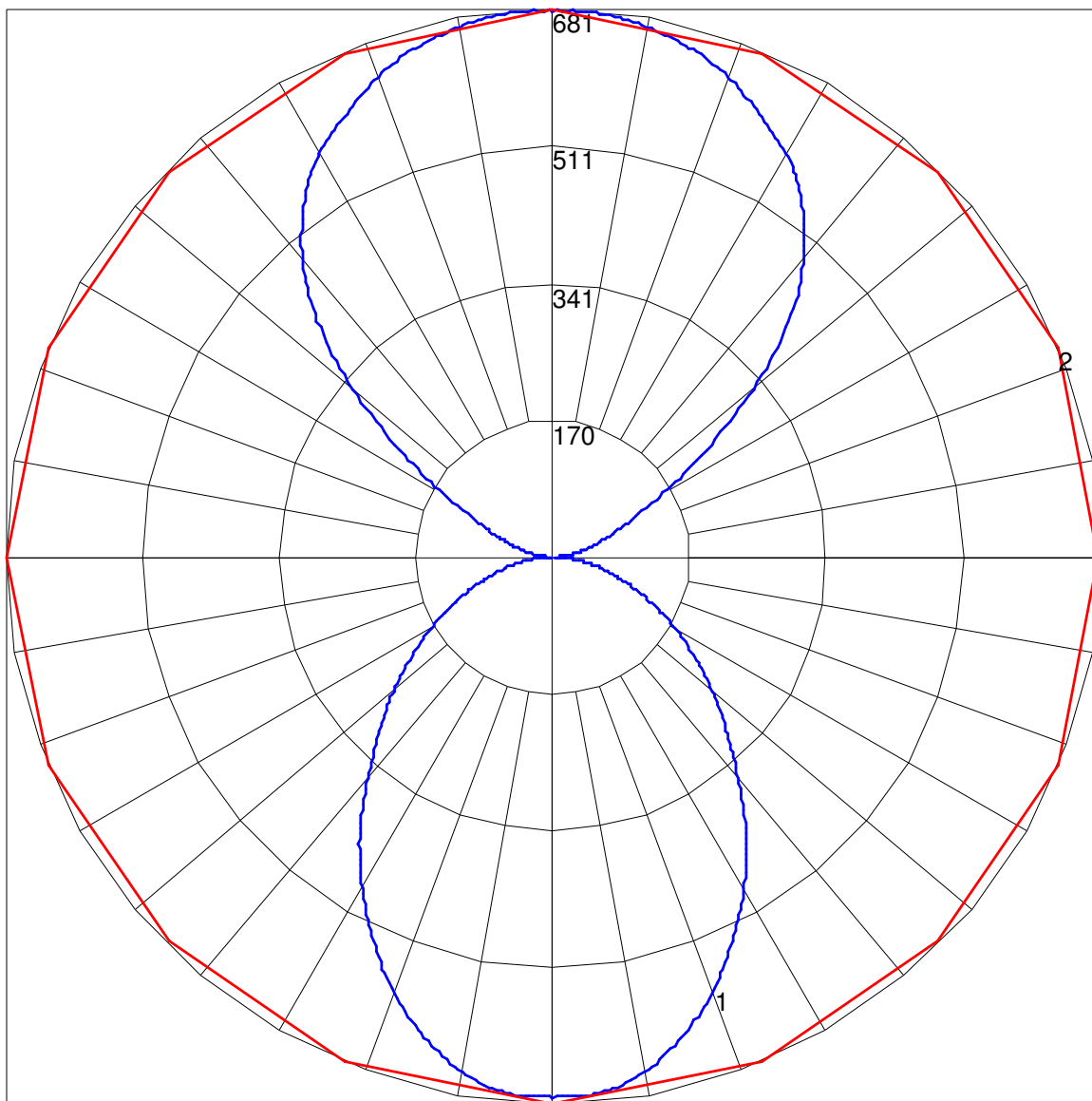
4H	2H	12.6	13.3	13.6	14.3	15.6	13.4	14.1	14.4	15.1	16.4
	3H	13.8	14.4	14.9	15.5	16.8	14.9	15.5	16.0	16.6	17.9
	4H	14.2	14.8	15.2	15.8	17.1	15.5	16.1	16.5	17.1	18.4
	6H	14.4	14.9	15.5	15.9	17.3	15.9	16.4	17.0	17.5	18.8
	8H	14.4	14.9	15.5	15.9	17.3	16.1	16.5	17.1	17.5	18.9
	12H	14.4	14.8	15.5	15.9	17.2	16.2	16.5	17.2	17.6	19.0

8H	4H	14.3	14.8	15.4	15.8	17.2	15.5	16.0	16.6	17.0	18.4
	6H	14.6	14.9	15.6	16.0	17.4	16.0	16.4	17.1	17.5	18.8
	8H	14.6	15.0	15.7	16.0	17.4	16.2	16.5	17.3	17.6	19.0
	12H	14.6	14.9	15.7	16.0	17.4	16.3	16.6	17.4	17.6	19.1

12H	4H	14.3	14.7	15.3	15.7	17.1	15.5	15.9	16.6	16.9	18.3
	6H	14.6	14.9	15.6	16.0	17.4	16.0	16.3	17.1	17.4	18.8
	8H	14.7	14.9	15.7	16.0	17.4	16.2	16.5	17.2	17.5	18.9

Maximum UGR = 19.1

POLAR GRAPH



Maximum Candela = 681.253 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.)