



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.07
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 06/02/2021
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, lens
[LAMP] HLMX 80 CRI 3500K CCT
[OTHER] 24 C, 120.079 V
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12353
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	101.2
Ballast Factor	1.00
CIE Type	Semi-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)	8.00 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	24930	22816	20913
55	21993	19995	18107
65	19336	17391	15747
75	15942	14604	13558
85	11500	12367	12647

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-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	3986.913	3986.913	3986.913	3986.913	3986.913
0.5	3980.854	4011.149	3977.824	3977.824	3971.765
1.0	3977.824	4011.149	3977.824	3977.824	3971.765
1.5	3977.824	4008.120	3977.824	3977.824	3971.765
2.0	3977.824	4008.120	3974.794	3977.824	3971.765
2.5	3974.794	4005.090	3974.794	3977.824	3971.765
3.0	3971.765	4005.090	3971.765	3977.824	3968.735
3.5	3968.735	4002.061	3968.735	3974.794	3965.706
4.0	3965.706	3999.031	3965.706	3971.765	3962.676
4.5	3962.676	3996.001	3959.647	3968.735	3959.647
5.0	3956.617	3989.942	3956.617	3965.706	3953.588
5.5	3953.588	3986.913	3950.558	3959.647	3950.558
6.0	3947.528	3980.854	3947.528	3953.588	3944.499
6.5	3941.469	3974.794	3941.469	3944.499	3935.410
7.0	3935.410	3968.735	3935.410	3935.410	3926.322
7.5	3929.351	3962.676	3929.351	3926.322	3917.233
8.0	3923.292	3956.617	3920.262	3914.203	3908.144
8.5	3914.203	3947.528	3914.203	3905.115	3896.026
9.0	3905.115	3941.469	3905.115	3892.996	3883.907
9.5	3899.055	3932.381	3896.026	3880.878	3868.760
10.0	3889.967	3923.292	3883.907	3865.730	3853.612
10.5	3880.878	3914.203	3874.819	3853.612	3838.464
11.0	3871.789	3905.115	3859.671	3838.464	3820.287
11.5	3859.671	3892.996	3847.553	3823.316	3805.139
12.0	3850.582	3883.907	3835.434	3808.168	3786.961
12.5	3838.464	3871.789	3820.287	3789.991	3768.784
13.0	3826.346	3859.671	3805.139	3774.843	3750.606
13.5	3814.227	3847.553	3789.991	3756.666	3735.458
14.0	3802.109	3835.434	3774.843	3738.488	3714.252
14.5	3786.961	3820.287	3756.666	3720.311	3693.045
15.0	3771.813	3805.139	3738.488	3699.104	3674.867
15.5	3759.695	3793.021	3720.311	3677.897	3653.660
16.0	3744.547	3774.843	3702.133	3659.719	3632.453
16.5	3729.399	3759.695	3683.956	3638.512	3611.246
17.0	3714.252	3741.518	3662.749	3614.276	3587.010
17.5	3699.104	3726.370	3641.542	3593.069	3565.803
18.0	3680.926	3708.192	3620.335	3568.832	3541.566
18.5	3665.779	3690.015	3599.128	3547.625	3517.330
19.0	3647.601	3671.838	3577.921	3523.389	3493.093
19.5	3629.424	3650.631	3556.714	3499.152	3468.856
20.0	3611.246	3632.453	3532.478	3474.916	3444.620
20.5	3593.069	3611.246	3508.241	3447.649	3417.354
21.0	3571.862	3590.039	3487.034	3420.383	3390.088
21.5	3553.684	3568.832	3462.797	3393.117	3362.822
22.0	3532.478	3547.625	3438.561	3365.851	3332.526
22.5	3514.300	3526.418	3414.324	3338.585	3302.230
23.0	3493.093	3505.211	3387.058	3308.289	3274.964
23.5	3471.886	3480.975	3362.822	3281.023	3241.639
24.0	3447.649	3459.768	3338.585	3250.728	3211.343
24.5	3426.443	3435.531	3311.319	3220.432	3181.047
25.0	3402.206	3411.295	3284.053	3193.166	3150.752
25.5	3380.999	3384.029	3259.816	3162.870	3120.456
26.0	3353.733	3359.792	3229.521	3129.545	3090.160
26.5	3329.496	3332.526	3202.254	3099.249	3059.865

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	3302.230	3308.289	3174.988	3071.983	3029.266
27.5	3277.994	3281.023	3144.693	3041.687	2998.062
28.0	3250.728	3253.757	3117.427	3008.665	2968.069
28.5	3223.461	3226.491	3087.131	2978.672	2937.470
29.0	3196.195	3196.195	3056.835	2948.376	2907.477
29.5	3162.870	3168.929	3025.934	2917.172	2875.061
30.0	3135.604	3138.634	2995.032	2887.482	2843.250
30.5	3108.338	3108.338	2962.918	2855.066	2811.440
31.0	3078.042	3078.042	2930.502	2823.861	2779.933
31.5	3047.746	3047.746	2898.086	2790.839	2746.001
32.0	3018.360	3016.542	2865.669	2757.514	2713.282
32.5	2988.367	2983.217	2832.647	2723.583	2681.168
33.0	2958.374	2951.103	2799.625	2689.651	2646.632
33.5	2927.775	2918.081	2766.300	2655.114	2613.912
34.0	2896.874	2884.756	2731.762	2620.577	2578.163
34.5	2865.669	2851.127	2698.740	2585.434	2543.626
35.0	2835.374	2818.105	2664.506	2549.685	2508.180
35.5	2803.563	2785.083	2629.969	2515.148	2471.219
36.0	2771.147	2750.546	2596.341	2478.793	2433.956
36.5	2741.154	2716.917	2561.500	2442.438	2394.874
37.0	2708.132	2683.289	2525.752	2406.084	2356.096
37.5	2675.412	2649.661	2490.609	2369.426	2317.620
38.0	2643.602	2615.427	2454.860	2332.768	2279.145
38.5	2610.580	2582.102	2419.717	2294.898	2247.031
39.0	2576.951	2548.473	2385.180	2260.058	2215.524
39.5	2543.323	2515.148	2350.340	2230.672	2178.866
40.0	2509.089	2482.126	2315.197	2197.346	2143.117
40.5	2475.461	2448.801	2281.265	2161.597	2108.580
41.0	2442.438	2416.081	2254.605	2127.060	2075.255
41.5	2408.507	2383.059	2222.492	2093.735	2042.838
42.0	2375.182	2349.431	2192.499	2061.016	2011.634
42.5	2341.251	2316.408	2159.477	2029.811	1981.338
43.0	2308.531	2282.780	2127.666	1999.213	1951.951
43.5	2277.024	2256.726	2096.159	1969.220	1922.867
44.0	2249.455	2226.733	2065.257	1939.833	1894.390
44.5	2223.098	2194.923	2034.659	1910.749	1865.609
45.0	2190.075	2163.718	2004.363	1882.271	1837.131
45.5	2157.962	2130.999	1974.370	1853.793	1808.956
46.0	2125.849	2098.583	1944.680	1825.618	1780.478
46.5	2094.038	2066.469	1915.294	1797.140	1752.606
47.0	2061.925	2034.962	1885.907	1768.965	1724.431
47.5	2030.114	2003.454	1856.217	1740.184	1696.256
48.0	1998.910	1971.946	1826.527	1711.706	1668.384
48.5	1968.008	1940.742	1796.534	1683.531	1640.512
49.0	1937.106	1909.537	1766.542	1655.356	1612.943
49.5	1906.205	1878.939	1736.246	1627.484	1585.676
50.0	1875.303	1848.037	1706.556	1599.612	1558.410
50.5	1844.402	1817.135	1676.866	1572.043	1531.447
51.0	1813.500	1786.537	1647.480	1544.777	1504.484
51.5	1781.992	1755.938	1618.396	1517.208	1477.521
52.0	1751.091	1724.734	1589.615	1489.942	1450.558
52.5	1719.886	1694.438	1561.743	1462.676	1423.897
53.0	1689.288	1664.142	1533.871	1435.713	1396.934
53.5	1658.689	1634.150	1506.605	1408.750	1369.971
54.0	1628.090	1604.460	1479.036	1381.786	1343.311
54.5	1597.492	1575.073	1451.769	1354.823	1316.651

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	1567.196	1545.686	1424.806	1328.163	1290.293
55.5	1537.506	1516.602	1397.843	1301.806	1264.239
56.0	1508.120	1487.215	1370.880	1276.054	1238.488
56.5	1479.036	1458.132	1343.917	1250.303	1213.645
57.0	1450.558	1429.351	1316.651	1224.855	1189.106
57.5	1422.080	1401.176	1289.688	1199.709	1164.869
58.0	1394.208	1373.304	1262.724	1174.564	1140.936
58.5	1366.336	1345.432	1236.064	1149.721	1117.002
59.0	1338.464	1317.863	1210.010	1125.182	1093.371
59.5	1310.895	1290.293	1183.653	1101.248	1070.044
60.0	1283.931	1262.724	1157.598	1077.618	1047.019
60.5	1256.665	1235.458	1132.150	1053.987	1023.691
61.0	1229.702	1208.495	1107.005	1030.659	1000.970
61.5	1202.436	1182.138	1081.859	1007.332	978.551
62.0	1175.473	1155.781	1057.017	984.610	956.738
62.5	1148.510	1129.726	1032.477	962.191	934.622
63.0	1121.849	1103.369	1008.241	939.772	912.809
63.5	1095.189	1077.012	984.307	917.354	891.299
64.0	1068.529	1050.655	960.373	895.541	869.789
64.5	1041.869	1024.297	936.743	873.425	848.279
65.0	1015.209	998.243	913.112	851.612	826.769
65.5	988.851	972.492	889.784	829.496	805.562
66.0	962.494	946.740	866.457	807.683	785.567
66.5	936.137	921.292	843.129	785.870	764.360
67.0	910.385	895.238	819.801	764.057	743.456
67.5	884.331	869.486	796.474	742.547	722.249
68.0	858.277	843.735	773.449	721.037	701.648
68.5	832.526	818.287	750.121	699.830	681.047
69.0	806.774	793.141	727.097	678.926	660.749
69.5	780.720	767.996	704.072	658.022	640.451
70.0	755.575	742.850	681.653	637.421	620.759
70.5	730.429	718.008	659.234	617.123	601.067
71.0	705.284	692.862	637.118	596.825	581.677
71.5	680.744	668.626	615.003	577.133	562.591
72.0	656.205	644.389	593.190	557.441	543.808
72.5	631.968	620.759	571.983	538.052	525.327
73.0	607.732	597.128	551.079	518.965	506.847
73.5	583.495	573.800	530.175	499.879	488.669
74.0	559.561	550.473	509.573	481.096	470.795
74.5	535.931	527.448	489.578	462.918	453.224
75.0	512.603	505.029	469.583	444.741	435.955
75.5	489.578	482.610	449.891	426.866	418.989
76.0	466.554	461.100	430.199	408.992	402.024
76.5	444.135	439.288	411.112	391.420	385.361
77.0	421.716	418.081	392.026	374.455	369.001
77.5	399.903	396.874	373.849	357.489	352.642
78.0	378.393	376.272	355.671	341.129	336.585
78.5	357.186	355.974	337.797	324.770	320.831
79.0	336.585	335.979	320.528	309.016	305.381
79.5	315.984	316.893	303.260	293.262	290.233
80.0	296.292	298.110	285.991	277.509	275.085
80.5	276.903	279.629	269.632	262.361	260.240
81.0	258.119	261.452	253.575	247.213	245.698
81.5	239.639	243.880	237.215	232.368	231.156
82.0	221.764	226.309	221.764	217.826	217.220
82.5	204.193	209.343	206.011	203.587	202.981

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	187.530	192.681	190.863	189.651	189.348
83.5	170.868	176.624	176.018	175.715	175.715
84.0	155.114	161.173	161.476	162.082	162.688
84.5	139.663	146.025	147.540	149.055	149.661
85.0	124.515	131.180	133.907	136.028	136.936
85.5	110.276	116.941	120.577	123.303	124.818
86.0	96.340	103.005	107.550	110.882	112.397
86.5	83.010	89.978	94.826	98.764	100.885
87.0	69.983	76.951	82.404	86.949	89.372
87.5	57.259	64.530	70.589	75.436	77.860
88.0	44.838	52.412	58.774	63.924	66.953
88.5	32.719	40.293	46.958	53.017	56.350
89.0	20.298	27.872	34.840	40.293	43.626
89.5	8.180	15.148	19.692	22.116	24.237
90.0	7.677	13.535	17.170	20.705	22.119
90.5	8.183	8.385	7.779	8.284	8.486
91.0	10.709	10.608	9.093	9.396	9.598
91.5	15.255	13.134	10.507	10.608	10.709
92.0	19.903	15.659	12.427	12.022	12.022
92.5	24.651	18.488	14.548	13.639	13.538
93.0	29.601	21.822	16.973	15.457	15.457
93.5	34.451	25.560	19.701	17.882	17.478
94.0	39.300	29.905	22.732	20.509	19.903
94.5	44.251	33.946	25.863	23.237	22.428
95.0	49.201	37.987	29.197	25.964	25.156
95.5	54.152	42.331	32.632	28.692	27.884
96.0	59.001	46.675	36.168	31.420	30.511
96.5	63.850	51.626	39.805	34.249	33.036
97.0	68.902	56.374	43.442	37.078	35.461
97.5	73.953	61.224	47.383	40.109	38.189
98.0	78.601	66.275	51.424	43.240	41.119
98.5	83.753	71.933	56.071	46.776	44.150
99.0	88.703	77.085	61.729	50.312	47.282
99.5	93.654	82.238	66.275	54.051	50.514
100.0	98.402	87.491	70.922	57.688	53.949
100.5	103.252	92.947	75.974	61.325	57.587
101.0	109.111	98.402	80.621	65.265	61.426
101.5	113.961	103.757	85.268	69.508	65.265
102.0	118.810	109.920	89.815	74.761	69.407
102.5	123.760	116.385	93.957	81.126	73.650
103.0	129.216	122.750	98.402	86.784	78.196
103.5	134.369	129.620	102.949	92.644	83.652
104.0	139.622	136.490	107.495	97.998	91.532
104.5	146.189	142.451	111.839	102.848	97.897
105.0	151.847	148.008	117.295	107.394	102.646
105.5	157.706	154.170	122.548	112.344	107.596
106.0	163.869	160.434	127.297	117.497	112.849
106.5	170.133	166.496	132.954	122.346	117.901
107.0	176.397	173.164	138.713	127.196	122.851
107.5	182.155	179.731	144.673	132.348	127.903
108.0	188.116	186.499	149.624	137.197	133.358
108.5	194.380	194.077	154.675	141.946	138.511
109.0	200.947	202.159	160.434	147.098	143.461
109.5	207.817	210.140	166.294	153.362	149.119
110.0	215.596	217.818	172.659	160.333	154.069
110.5	223.476	226.002	179.124	166.496	159.929

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	231.963	235.094	185.994	172.861	166.597
111.5	240.954	243.884	193.471	178.922	174.780
112.0	250.653	252.370	201.654	185.085	182.964
112.5	260.756	260.958	210.342	191.652	189.429
113.0	269.848	269.949	220.546	198.421	196.906
113.5	279.244	279.446	231.356	204.584	204.180
114.0	289.145	289.246	242.773	211.353	210.949
114.5	299.450	298.844	254.290	218.324	218.122
115.0	310.159	308.543	265.605	226.002	225.194
115.5	320.868	318.848	277.022	233.983	230.952
116.0	331.476	329.658	288.236	241.560	238.125
116.5	342.286	340.569	299.248	250.047	245.905
117.0	354.107	351.985	310.058	259.341	254.189
117.5	366.331	363.704	321.777	269.646	262.675
118.0	378.859	376.131	334.608	280.052	271.465
118.5	391.689	388.962	348.045	290.862	280.557
119.0	404.924	402.095	361.280	302.784	290.357
119.5	418.361	415.532	374.514	316.322	300.965
120.0	432.101	429.272	387.850	330.769	311.978
120.5	446.144	443.012	401.994	345.923	323.798
121.0	460.490	457.560	417.149	360.673	336.730
121.5	475.038	472.008	432.707	375.929	350.571
122.0	489.789	486.051	448.266	390.881	365.826
122.5	504.741	500.801	464.430	405.328	381.789
123.0	519.895	515.753	481.605	419.674	397.751
123.5	535.050	531.008	499.386	434.122	414.017
124.0	550.002	546.365	516.864	449.377	429.070
124.5	564.954	561.923	534.241	465.542	444.326
125.0	580.412	577.785	551.921	482.616	460.086
125.5	596.879	593.646	569.804	499.689	475.948
126.0	613.044	609.912	587.989	516.561	492.314
126.5	629.310	626.077	605.770	534.039	509.085
127.0	645.777	642.039	623.349	551.921	525.553
127.5	662.447	658.103	640.625	570.309	542.526
128.0	678.814	674.268	657.800	588.090	560.812
128.5	694.675	690.331	674.672	605.366	579.603
129.0	710.739	706.597	691.038	622.844	597.991
129.5	726.398	722.862	707.304	641.837	616.479
130.0	741.452	739.128	723.065	661.740	635.068
130.5	756.303	755.394	738.724	681.643	653.557
131.0	770.952	771.458	754.586	701.040	673.257
131.5	785.804	787.521	770.245	720.236	692.554
132.0	800.655	803.282	785.197	740.341	712.052
132.5	815.708	818.436	800.049	760.849	732.056
133.0	830.155	832.984	814.799	779.742	752.464
133.5	843.996	847.431	829.852	797.321	772.973
134.0	857.635	861.474	844.703	813.991	793.684
134.5	871.173	875.618	859.151	830.862	813.081
135.0	884.610	889.762	873.699	846.926	832.277
135.5	897.845	903.401	888.247	862.282	851.068
136.0	911.080	916.535	902.492	876.831	868.849
136.5	924.011	929.164	916.131	890.773	885.317
137.0	936.438	941.186	929.164	905.422	900.573
137.5	948.763	952.906	942.095	919.970	915.222
138.0	960.584	964.625	954.825	934.013	929.568
138.5	972.202	976.041	967.454	947.147	943.510

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	983.214	987.053	979.274	959.270	956.745
139.5	993.519	997.560	990.387	970.889	969.474
140.0	1003.925	1007.865	1001.298	982.103	982.002
140.5	1014.331	1018.372	1012.311	993.115	994.226
141.0	1024.434	1027.465	1023.424	1003.925	1005.845
141.5	1034.537	1037.568	1033.527	1015.341	1016.352
142.0	1043.630	1047.671	1043.630	1026.455	1027.465
142.5	1051.712	1056.763	1052.722	1037.568	1037.568
143.0	1060.804	1065.856	1062.825	1047.671	1047.671
143.5	1069.897	1074.949	1071.918	1057.774	1057.774
144.0	1078.990	1084.041	1082.021	1067.877	1067.877
144.5	1087.072	1092.124	1091.113	1077.979	1077.979
145.0	1096.165	1100.206	1099.196	1087.072	1088.082
145.5	1104.247	1107.278	1107.278	1097.175	1098.185
146.0	1112.329	1115.360	1116.370	1107.278	1108.288
146.5	1120.412	1123.443	1125.463	1116.370	1117.381
147.0	1127.484	1131.525	1132.535	1126.473	1127.484
147.5	1134.556	1138.597	1140.617	1135.566	1136.576
148.0	1141.628	1145.669	1148.700	1144.659	1145.669
148.5	1148.700	1152.741	1155.772	1152.741	1154.761
149.0	1155.772	1158.803	1162.844	1160.823	1163.854
149.5	1161.833	1165.875	1169.916	1168.906	1172.947
150.0	1167.895	1172.947	1175.978	1175.978	1181.029
150.5	1174.967	1180.019	1183.050	1184.060	1190.122
151.0	1181.029	1187.091	1189.111	1191.132	1197.194
151.5	1187.091	1193.152	1196.183	1198.204	1205.276
152.0	1193.152	1200.224	1202.245	1205.276	1211.338
152.5	1200.224	1206.286	1207.297	1211.338	1218.410
153.0	1206.286	1212.348	1213.358	1217.399	1224.471
153.5	1212.348	1218.410	1218.410	1222.451	1230.533
154.0	1218.410	1224.471	1224.471	1228.513	1235.585
154.5	1223.461	1230.533	1229.523	1233.564	1241.646
155.0	1229.523	1236.595	1234.574	1238.616	1246.698
155.5	1235.585	1241.646	1239.626	1243.667	1250.739
156.0	1241.646	1247.708	1244.677	1248.718	1255.791
156.5	1247.708	1252.760	1249.729	1252.760	1259.832
157.0	1253.770	1257.811	1254.780	1257.811	1263.873
157.5	1258.821	1262.863	1259.832	1262.863	1267.914
158.0	1264.883	1266.904	1264.883	1266.904	1271.955
158.5	1269.935	1271.955	1268.924	1271.955	1275.996
159.0	1273.976	1275.996	1273.976	1275.996	1280.037
159.5	1279.027	1281.048	1279.027	1280.037	1285.089
160.0	1283.068	1285.089	1283.068	1284.079	1289.130
160.5	1286.099	1288.120	1287.109	1288.120	1294.182
161.0	1290.140	1292.161	1292.161	1292.161	1298.223
161.5	1294.182	1296.202	1296.202	1296.202	1303.274
162.0	1298.223	1299.233	1300.243	1301.254	1307.315
162.5	1302.264	1303.274	1304.284	1305.295	1312.367
163.0	1305.295	1306.305	1308.326	1309.336	1316.408
163.5	1309.336	1309.336	1311.356	1312.367	1320.449
164.0	1312.367	1313.377	1314.387	1316.408	1324.490
164.5	1315.398	1316.408	1318.428	1319.439	1328.531
165.0	1318.428	1319.439	1320.449	1323.480	1331.562
165.5	1320.449	1322.470	1323.480	1326.511	1334.593
166.0	1323.480	1325.500	1325.500	1329.542	1338.634
166.5	1326.511	1327.521	1327.521	1331.562	1340.655

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1329.542	1330.552	1330.552	1333.583	1343.686
167.5	1331.562	1332.573	1332.573	1336.614	1345.706
168.0	1334.593	1335.603	1334.593	1338.634	1347.727
168.5	1336.614	1337.624	1335.603	1340.655	1349.747
169.0	1339.645	1339.645	1337.624	1341.665	1351.768
169.5	1341.665	1341.665	1339.645	1342.675	1352.778
170.0	1343.686	1343.686	1341.665	1344.696	1353.789
170.5	1345.706	1345.706	1342.675	1345.706	1354.799
171.0	1347.727	1347.727	1344.696	1346.717	1355.809
171.5	1349.747	1348.737	1345.706	1346.717	1356.819
172.0	1350.758	1350.758	1346.717	1347.727	1357.830
172.5	1352.778	1351.768	1347.727	1348.737	1357.830
173.0	1353.789	1352.778	1348.737	1348.737	1358.840
173.5	1355.809	1354.799	1348.737	1349.747	1358.840
174.0	1356.819	1355.809	1349.747	1350.758	1358.840
174.5	1357.830	1355.809	1350.758	1350.758	1359.850
175.0	1358.840	1356.819	1350.758	1350.758	1359.850
175.5	1359.850	1357.830	1351.768	1351.768	1359.850
176.0	1359.850	1357.830	1351.768	1351.768	1359.850
176.5	1360.861	1358.840	1351.768	1351.768	1359.850
177.0	1360.861	1358.840	1352.778	1352.778	1359.850
177.5	1361.871	1358.840	1352.778	1352.778	1359.850
178.0	1361.871	1358.840	1352.778	1352.778	1359.850
178.5	1361.871	1359.850	1352.778	1352.778	1359.850
179.0	1361.871	1359.850	1353.789	1352.778	1359.850
179.5	1361.871	1359.850	1353.789	1352.778	1359.850
180.0	1356.819	1356.819	1356.819	1356.819	1356.819

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1428.93	N.A.	11.60
0-30	2941.53	N.A.	23.80
0-40	4611.35	N.A.	37.30
0-60	7449.69	N.A.	60.30
0-80	8866.38	N.A.	71.80
0-90	9017.27	N.A.	73.00
10-90	8641.12	N.A.	70.00
20-40	3182.42	N.A.	25.80
20-50	4738.18	N.A.	38.40
40-70	3751.07	N.A.	30.40
60-80	1416.69	N.A.	11.50
70-80	503.96	N.A.	4.10
80-90	150.89	N.A.	1.20
90-110	170.61	N.A.	1.40
90-120	438.70	N.A.	3.60
90-130	916.76	N.A.	7.40
90-150	2263.9	N.A.	18.30
90-180	3335.9	N.A.	27.00
110-180	3165.29	N.A.	25.60
0-180	12353.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	376.14
10-20	1052.79
20-30	1512.6
30-40	1669.82
40-50	1555.76
50-60	1282.58
60-70	912.73
70-80	503.96
80-90	150.89
90-100	38.07
100-110	132.53
110-120	268.09
120-130	478.06
130-140	663.55
140-150	683.59
150-160	569.93
160-170	373.07
170-180	129.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	99	95	91	98	94	91	87	85	82	80	77	75	73	69	67	66	62
2	94	87	81	75	89	83	77	73	75	71	67	68	64	61	61	58	56	53
3	86	77	69	63	82	73	67	61	67	61	57	60	56	52	55	51	48	45
4	79	68	60	54	75	65	58	52	59	54	49	54	49	45	49	45	42	39
5	73	61	53	47	69	59	51	45	54	47	43	49	44	40	44	40	37	34
6	68	55	47	41	64	53	45	40	49	42	37	44	39	35	40	36	33	30
7	63	50	42	36	59	48	41	35	44	38	33	41	35	31	37	33	29	27
8	58	46	38	33	55	44	37	32	41	34	30	37	32	28	34	30	26	24
9	55	42	34	29	52	41	33	29	37	31	27	34	29	26	32	27	24	22
10	51	39	31	27	49	37	31	26	35	29	25	32	27	23	30	25	22	20

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L4-835U-L12-835D-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	20.6	21.7	21.4	22.5	23.4	19.5	20.6	20.2	21.3	22.2
	3H	22.3	23.2	23.0	24.0	24.9	21.1	22.1	21.8	22.8	23.8
	4H	22.8	23.8	23.6	24.5	25.5	21.7	22.6	22.4	23.4	24.3
	6H	23.2	24.1	24.0	24.9	25.8	22.1	23.0	22.9	23.7	24.7
	8H	23.3	24.1	24.1	24.9	25.9	22.3	23.1	23.1	23.9	24.8
	12H	23.4	24.2	24.2	25.0	26.0	22.4	23.2	23.2	24.0	24.9

UGR Viewed Endwise

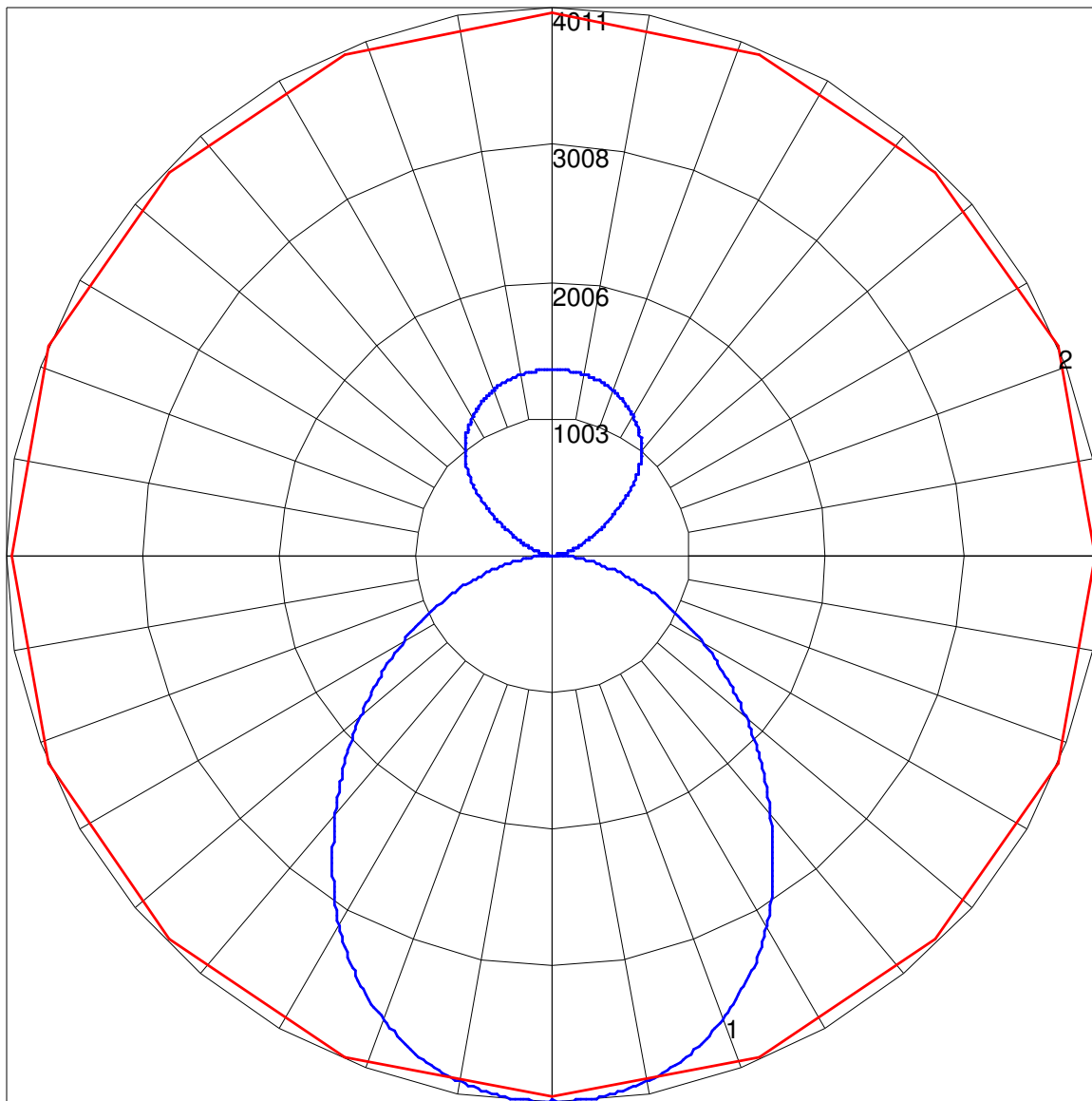
4H	2H	21.0	22.0	21.8	22.7	23.7	20.1	21.1	20.9	21.8	22.8
	3H	22.9	23.7	23.7	24.5	25.4	21.9	22.7	22.7	23.5	24.5
	4H	23.6	24.3	24.4	25.1	26.1	22.6	23.3	23.4	24.1	25.1
	6H	24.1	24.7	24.9	25.6	26.6	23.2	23.8	24.0	24.6	25.6
	8H	24.3	24.8	25.1	25.7	26.7	23.4	24.0	24.2	24.8	25.8
	12H	24.4	24.9	25.2	25.7	26.8	23.6	24.1	24.4	24.9	25.9

8H	4H	23.8	24.3	24.6	25.2	26.2	22.9	23.5	23.7	24.3	25.3
	6H	24.4	24.9	25.3	25.8	26.8	23.6	24.1	24.5	25.0	26.0
	8H	24.7	25.1	25.5	26.0	27.0	23.9	24.3	24.8	25.2	26.2
	12H	24.8	25.2	25.7	26.1	27.2	24.2	24.5	25.0	25.4	26.5

12H	4H	23.8	24.3	24.6	25.1	26.1	22.9	23.4	23.8	24.3	25.3
	6H	24.5	24.9	25.3	25.7	26.8	23.7	24.1	24.5	24.9	26.0
	8H	24.7	25.1	25.6	26.0	27.0	24.0	24.4	24.9	25.2	26.3

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 4011.149 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.)