



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.07
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 19 Apr, 2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV - WHITE ONLY
 [LUMINAIRE] Formed White aluminum housing, lens
 [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	17216
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	172.8
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
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	23798	21780	19963
55	20995	19087	17285
65	18458	16602	15032
75	15218	13941	12943
85	10977	11805	12072

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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	3805.872	3805.872	3805.872	3805.872	3805.872
0.5	3800.088	3829.008	3797.196	3797.196	3791.412
1.0	3797.196	3829.008	3797.196	3797.196	3791.412
1.5	3797.196	3826.116	3797.196	3797.196	3791.412
2.0	3797.196	3826.116	3794.304	3797.196	3791.412
2.5	3794.304	3823.224	3794.304	3797.196	3791.412
3.0	3791.412	3823.224	3791.412	3797.196	3788.520
3.5	3788.520	3820.332	3788.520	3794.304	3785.628
4.0	3785.628	3817.440	3785.628	3791.412	3782.736
4.5	3782.736	3814.548	3779.844	3788.520	3779.844
5.0	3776.952	3808.764	3776.952	3785.628	3774.060
5.5	3774.060	3805.872	3771.168	3779.844	3771.168
6.0	3768.276	3800.088	3768.276	3774.060	3765.384
6.5	3762.492	3794.304	3762.492	3765.384	3756.708
7.0	3756.708	3788.520	3756.708	3756.708	3748.032
7.5	3750.924	3782.736	3750.924	3748.032	3739.356
8.0	3745.140	3776.952	3742.248	3736.464	3730.680
8.5	3736.464	3768.276	3736.464	3727.788	3719.112
9.0	3727.788	3762.492	3727.788	3716.220	3707.544
9.5	3722.004	3753.816	3719.112	3704.652	3693.084
10.0	3713.328	3745.140	3707.544	3690.192	3678.624
10.5	3704.652	3736.464	3698.868	3678.624	3664.164
11.0	3695.976	3727.788	3684.408	3664.164	3646.812
11.5	3684.408	3716.220	3672.840	3649.704	3632.352
12.0	3675.732	3707.544	3661.272	3635.244	3615.000
12.5	3664.164	3695.976	3646.812	3617.892	3597.648
13.0	3652.596	3684.408	3632.352	3603.432	3580.296
13.5	3641.028	3672.840	3617.892	3586.080	3565.836
14.0	3629.460	3661.272	3603.432	3568.728	3545.592
14.5	3615.000	3646.812	3586.080	3551.376	3525.348
15.0	3600.540	3632.352	3568.728	3531.132	3507.996
15.5	3588.972	3620.784	3551.376	3510.888	3487.752
16.0	3574.512	3603.432	3534.024	3493.536	3467.508
16.5	3560.052	3588.972	3516.672	3473.292	3447.264
17.0	3545.592	3571.620	3496.428	3450.156	3424.128
17.5	3531.132	3557.160	3476.184	3429.912	3403.884
18.0	3513.780	3539.808	3455.940	3406.776	3380.748
18.5	3499.320	3522.456	3435.696	3386.532	3357.612
19.0	3481.968	3505.104	3415.452	3363.396	3334.476
19.5	3464.616	3484.860	3395.208	3340.260	3311.340
20.0	3447.264	3467.508	3372.072	3317.124	3288.204
20.5	3429.912	3447.264	3348.936	3291.096	3262.176
21.0	3409.668	3427.020	3328.692	3265.068	3236.148
21.5	3392.316	3406.776	3305.556	3239.040	3210.120
22.0	3372.072	3386.532	3282.420	3213.012	3181.200
22.5	3354.720	3366.288	3259.284	3186.984	3152.280
23.0	3334.476	3346.044	3233.256	3158.064	3126.252
23.5	3314.232	3322.908	3210.120	3132.036	3094.440
24.0	3291.096	3302.664	3186.984	3103.116	3065.520
24.5	3270.852	3279.528	3160.956	3074.196	3036.600
25.0	3247.716	3256.392	3134.928	3048.168	3007.680
25.5	3227.472	3230.364	3111.792	3019.248	2978.760
26.0	3201.444	3207.228	3082.872	2987.436	2949.840
26.5	3178.308	3181.200	3056.844	2958.516	2920.920

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27.0	3152.280	3158.064	3030.816	2932.488	2891.711
27.5	3129.144	3132.036	3001.896	2903.568	2861.923
28.0	3103.116	3106.008	2975.868	2872.045	2833.292
28.5	3077.088	3079.980	2946.948	2843.414	2804.083
29.0	3051.060	3051.060	2918.028	2814.494	2775.452
29.5	3019.248	3025.032	2888.530	2784.707	2744.508
30.0	2993.220	2996.112	2859.031	2756.365	2714.142
30.5	2967.192	2967.192	2828.376	2725.421	2683.776
31.0	2938.272	2938.272	2797.432	2695.633	2653.699
31.5	2909.352	2909.352	2766.487	2664.110	2621.309
32.0	2881.300	2879.564	2735.543	2632.298	2590.075
32.5	2852.669	2847.752	2704.020	2599.908	2559.420
33.0	2824.038	2817.097	2672.497	2567.518	2526.451
33.5	2794.829	2785.574	2640.685	2534.549	2495.218
34.0	2765.330	2753.762	2607.716	2501.580	2461.092
34.5	2735.543	2721.661	2576.194	2468.033	2428.123
35.0	2706.623	2690.138	2543.514	2433.907	2394.287
35.5	2676.257	2658.616	2510.545	2400.938	2359.004
36.0	2645.312	2625.647	2478.444	2366.234	2323.433
36.5	2616.682	2593.546	2445.186	2331.530	2286.126
37.0	2585.159	2561.444	2411.060	2296.826	2249.108
37.5	2553.925	2529.343	2377.513	2261.833	2212.380
38.0	2523.559	2496.664	2343.388	2226.840	2175.652
38.5	2492.036	2464.852	2309.840	2190.690	2144.996
39.0	2459.935	2432.750	2276.872	2157.432	2114.920
39.5	2427.834	2400.938	2243.614	2129.380	2079.926
40.0	2395.154	2369.416	2210.066	2097.568	2045.801
40.5	2363.053	2337.604	2177.676	2063.442	2012.832
41.0	2331.530	2306.370	2152.226	2030.473	1981.020
41.5	2299.140	2274.847	2121.571	1998.661	1950.076
42.0	2267.328	2242.746	2092.940	1967.428	1920.288
42.5	2234.938	2211.223	2061.418	1937.640	1891.368
43.0	2203.704	2179.122	2031.052	1908.431	1863.316
43.5	2173.627	2154.251	2000.975	1879.800	1835.552
44.0	2147.310	2125.620	1971.476	1851.748	1808.368
44.5	2122.150	2095.254	1942.267	1823.984	1780.894
45.0	2090.627	2065.466	1913.347	1796.800	1753.709
45.5	2059.972	2034.233	1884.716	1769.615	1726.813
46.0	2029.316	2003.288	1856.375	1742.719	1699.628
46.5	1998.950	1972.633	1828.322	1715.534	1673.022
47.0	1968.295	1942.556	1800.270	1688.639	1646.126
47.5	1937.929	1912.480	1771.928	1661.165	1619.231
48.0	1908.142	1882.403	1743.587	1633.980	1592.624
48.5	1878.643	1852.615	1714.956	1607.084	1566.018
49.0	1849.145	1822.828	1686.325	1580.189	1539.701
49.5	1819.646	1793.618	1657.405	1553.582	1513.673
50.0	1790.148	1764.120	1629.064	1526.976	1487.645
50.5	1760.650	1734.622	1600.722	1500.659	1461.906
51.0	1731.151	1705.412	1572.670	1474.631	1436.167
51.5	1701.074	1676.203	1544.906	1448.314	1410.428
52.0	1671.576	1646.416	1517.432	1422.286	1384.690
52.5	1641.788	1617.496	1490.826	1396.258	1359.240
53.0	1612.579	1588.576	1464.220	1370.519	1333.501
53.5	1583.370	1559.945	1438.192	1344.780	1307.762
54.0	1554.161	1531.603	1411.874	1319.041	1282.313
54.5	1524.952	1503.551	1385.846	1293.302	1256.863

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55.0	1496.032	1475.498	1360.108	1267.853	1231.703
55.5	1467.690	1447.735	1334.369	1242.692	1206.832
56.0	1439.638	1419.683	1308.630	1218.110	1182.250
56.5	1411.874	1391.920	1282.891	1193.528	1158.535
57.0	1384.690	1364.446	1256.863	1169.236	1135.110
57.5	1357.505	1337.550	1231.124	1145.232	1111.974
58.0	1330.898	1310.944	1205.386	1121.228	1089.127
58.5	1304.292	1284.337	1179.936	1097.514	1066.280
59.0	1277.686	1258.020	1155.065	1074.089	1043.723
59.5	1251.368	1231.703	1129.904	1051.242	1021.454
60.0	1225.630	1205.386	1105.033	1028.684	999.475
60.5	1199.602	1179.358	1080.740	1006.127	977.207
61.0	1173.863	1153.619	1056.737	983.858	955.517
61.5	1147.835	1128.458	1032.733	961.590	934.116
62.0	1122.096	1103.298	1009.019	939.900	913.294
62.5	1096.357	1078.427	985.594	918.499	892.182
63.0	1070.908	1053.266	962.458	897.098	871.360
63.5	1045.458	1028.106	939.611	875.698	850.826
64.0	1020.008	1002.946	916.764	854.875	830.293
64.5	994.559	977.785	894.206	833.764	809.760
65.0	969.109	952.914	871.649	812.941	789.227
65.5	943.949	928.332	849.380	791.830	768.983
66.0	918.788	903.750	827.112	771.007	749.896
66.5	893.628	879.457	804.844	750.185	729.652
67.0	869.046	854.586	782.575	729.362	709.697
67.5	844.175	830.004	760.307	708.829	689.453
68.0	819.304	805.422	738.328	688.296	669.787
68.5	794.722	781.129	716.059	668.052	650.122
69.0	770.140	757.126	694.080	648.097	630.745
69.5	745.268	733.122	672.101	628.142	611.369
70.0	721.265	709.118	650.700	608.477	592.571
70.5	697.261	685.404	629.299	589.100	573.773
71.0	673.258	661.400	608.188	569.724	555.264
71.5	649.832	638.264	587.076	550.926	537.044
72.0	626.407	615.128	566.254	532.128	519.114
72.5	603.271	592.571	546.010	513.619	501.473
73.0	580.135	570.013	526.055	495.400	483.832
73.5	556.999	547.745	506.100	477.180	466.480
74.0	534.152	525.476	486.434	459.250	449.417
74.5	511.595	503.497	467.347	441.898	432.643
75.0	489.326	482.096	448.260	424.546	416.159
75.5	467.347	460.696	429.462	407.483	399.964
76.0	445.368	440.162	410.664	390.420	383.768
76.5	423.967	419.340	392.444	373.646	367.862
77.0	402.566	399.096	374.225	357.451	352.246
77.5	381.744	378.852	356.873	341.256	336.629
78.0	361.211	359.186	339.521	325.639	321.301
78.5	340.967	339.810	322.458	310.022	306.263
79.0	321.301	320.723	305.974	294.984	291.514
79.5	301.636	302.503	289.489	279.946	277.054
80.0	282.838	284.573	273.005	264.907	262.594
80.5	264.329	266.932	257.388	250.447	248.423
81.0	246.398	249.580	242.060	235.987	234.541
81.5	228.757	232.806	226.444	221.816	220.660
82.0	211.694	216.032	211.694	207.935	207.356
82.5	194.921	199.837	196.656	194.342	193.764

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83.0	179.015	183.931	182.196	181.039	180.750
83.5	163.109	168.604	168.025	167.736	167.736
84.0	148.070	153.854	154.144	154.722	155.300
84.5	133.321	139.394	140.840	142.286	142.865
85.0	118.861	125.224	127.826	129.851	130.718
85.5	105.269	111.631	115.102	117.704	119.150
86.0	91.966	98.328	102.666	105.847	107.293
86.5	79.241	85.892	90.520	94.279	96.304
87.0	66.805	73.457	78.662	83.000	85.314
87.5	54.659	61.600	67.384	72.011	74.324
88.0	42.802	50.032	56.105	61.021	63.913
88.5	31.234	38.464	44.826	50.610	53.791
89.0	19.376	26.606	33.258	38.464	41.645
89.5	7.808	14.460	18.798	21.112	23.136
90.0	16.856	23.597	27.067	31.263	32.941
90.5	21.117	21.638	20.074	21.377	21.899
91.0	27.634	27.373	23.463	24.245	24.767
91.5	39.366	33.891	27.113	27.373	27.634
92.0	51.358	40.408	32.066	31.023	31.023
92.5	63.611	47.708	37.541	35.194	34.934
93.0	76.385	56.311	43.798	39.887	39.887
93.5	88.899	65.957	50.837	46.144	45.101
94.0	101.412	77.167	58.657	52.922	51.358
94.5	114.187	87.595	66.739	59.961	57.875
95.0	126.961	98.023	75.342	67.000	64.914
95.5	139.735	109.233	84.206	74.039	71.953
96.0	152.249	120.443	93.331	81.078	78.731
96.5	164.762	133.218	102.716	88.377	85.249
97.0	177.797	145.471	112.101	95.677	91.506
97.5	190.832	157.984	122.268	103.498	98.545
98.0	202.825	171.019	132.696	111.580	106.105
98.5	216.120	185.618	144.689	120.704	113.926
99.0	228.895	198.914	159.288	129.829	122.008
99.5	241.669	212.210	171.019	139.475	130.350
100.0	253.922	225.766	183.011	148.860	139.214
100.5	266.435	239.844	196.046	158.245	148.599
101.0	281.556	253.922	208.039	168.412	158.506
101.5	294.070	267.739	220.031	179.362	168.412
102.0	306.583	283.642	231.762	192.918	179.101
102.5	319.358	300.326	242.451	209.342	190.050
103.0	333.435	316.750	253.922	223.941	201.782
103.5	346.731	334.478	265.653	239.062	215.860
104.0	360.287	352.206	277.385	252.879	236.194
104.5	377.233	367.587	288.595	265.393	252.618
105.0	391.832	381.925	302.673	277.124	264.871
105.5	406.953	397.828	316.229	289.898	277.646
106.0	422.855	413.992	328.482	303.194	291.202
106.5	439.019	429.634	343.081	315.708	304.237
107.0	455.182	446.840	357.941	328.221	317.011
107.5	470.042	463.785	373.322	341.517	330.046
108.0	485.423	481.252	386.097	354.031	344.124
108.5	501.587	500.805	399.132	366.284	357.420
109.0	518.532	521.661	413.992	379.579	370.194
109.5	536.260	542.256	429.112	395.743	384.793
110.0	556.334	562.069	445.536	413.731	397.567
110.5	576.668	583.186	462.221	429.634	412.688

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111.0	598.567	606.649	479.949	446.058	429.894
111.5	621.769	629.330	499.240	461.700	451.011
112.0	646.797	651.229	520.357	477.602	472.128
112.5	672.867	673.388	542.777	494.548	488.813
113.0	696.330	696.590	569.108	512.015	508.104
113.5	720.575	721.096	597.003	527.918	526.875
114.0	746.123	746.384	626.462	545.384	544.342
114.5	772.715	771.151	656.182	563.373	562.851
115.0	800.349	796.178	685.380	583.186	581.100
115.5	827.983	822.769	714.839	603.781	595.960
116.0	855.357	850.664	743.777	623.334	614.470
116.5	883.252	878.820	772.193	645.232	634.544
117.0	913.754	908.279	800.088	669.217	655.921
117.5	945.298	938.520	830.330	695.808	677.820
118.0	977.625	970.586	863.438	722.660	700.501
118.5	1010.734	1003.695	898.111	750.555	723.964
119.0	1044.886	1037.586	932.263	781.318	749.252
119.5	1079.559	1072.259	966.415	816.252	776.625
120.0	1115.014	1107.714	1000.827	853.532	805.042
120.5	1151.251	1143.169	1037.325	892.637	835.543
121.0	1188.271	1180.710	1076.430	930.699	868.913
121.5	1225.811	1217.990	1116.578	970.065	904.629
122.0	1263.874	1254.228	1156.726	1008.648	943.995
122.5	1302.457	1292.290	1198.438	1045.928	985.185
123.0	1341.562	1330.873	1242.757	1082.948	1026.376
123.5	1380.667	1370.239	1288.640	1120.228	1068.349
124.0	1419.251	1409.866	1333.741	1159.594	1107.193
124.5	1457.834	1450.013	1378.582	1201.306	1146.559
125.0	1497.722	1490.943	1424.204	1245.364	1187.228
125.5	1540.216	1531.873	1470.348	1289.422	1228.158
126.0	1581.928	1573.846	1517.274	1332.959	1270.391
126.5	1623.900	1615.558	1563.157	1378.060	1313.667
127.0	1666.394	1656.748	1608.519	1424.204	1356.161
127.5	1709.410	1698.200	1653.099	1471.651	1399.959
128.0	1751.643	1739.912	1697.418	1517.535	1447.146
128.5	1792.573	1781.363	1740.955	1562.114	1495.636
129.0	1834.024	1823.336	1783.188	1607.216	1543.083
129.5	1874.433	1865.309	1825.161	1656.227	1590.791
130.0	1913.277	1907.281	1865.830	1707.585	1638.760
130.5	1951.600	1949.254	1906.238	1758.943	1686.468
131.0	1989.402	1990.705	1947.168	1808.997	1737.305
131.5	2027.725	2032.157	1987.577	1858.530	1787.099
132.0	2066.048	2072.826	2026.160	1910.410	1837.414
132.5	2104.892	2111.931	2064.483	1963.332	1889.032
133.0	2142.172	2149.472	2102.546	2012.083	1941.694
133.5	2177.888	2186.752	2141.390	2057.444	1994.616
134.0	2213.082	2222.989	2179.713	2100.460	2048.059
134.5	2248.016	2259.487	2216.993	2143.997	2098.114
135.0	2282.689	2295.985	2254.534	2185.448	2147.647
135.5	2316.841	2331.179	2292.074	2225.075	2196.137
136.0	2350.993	2365.070	2328.833	2262.615	2242.020
136.5	2384.362	2397.658	2364.028	2298.592	2284.514
137.0	2416.428	2428.681	2397.658	2336.393	2323.880
137.5	2448.234	2458.922	2431.028	2373.934	2361.681
138.0	2478.736	2489.164	2463.876	2410.171	2398.701
138.5	2508.716	2518.623	2496.463	2444.063	2434.677

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	2537.132	2547.039	2526.965	2475.347	2468.829
139.5	2563.724	2574.152	2555.642	2505.327	2501.677
140.0	2590.576	2600.743	2583.798	2534.265	2534.004
140.5	2617.428	2627.856	2612.214	2562.681	2565.549
141.0	2643.498	2651.319	2640.891	2590.576	2595.529
141.5	2669.568	2677.389	2666.961	2620.035	2622.642
142.0	2693.031	2703.459	2693.031	2648.712	2651.319
142.5	2713.887	2726.922	2716.494	2677.389	2677.389
143.0	2737.350	2750.385	2742.564	2703.459	2703.459
143.5	2760.813	2773.848	2766.027	2729.529	2729.529
144.0	2784.276	2797.311	2792.097	2755.599	2755.599
144.5	2805.132	2818.167	2815.560	2781.669	2781.669
145.0	2828.595	2839.023	2836.416	2805.132	2807.739
145.5	2849.451	2857.272	2857.272	2831.202	2833.809
146.0	2870.307	2878.128	2880.735	2857.272	2859.879
146.5	2891.163	2898.984	2904.198	2880.735	2883.342
147.0	2909.412	2919.840	2922.447	2906.805	2909.412
147.5	2927.661	2938.089	2943.303	2930.268	2932.875
148.0	2945.910	2956.338	2964.159	2953.731	2956.338
148.5	2964.159	2974.587	2982.408	2974.587	2979.801
149.0	2982.408	2990.229	3000.657	2995.443	3003.264
149.5	2998.050	3008.478	3018.906	3016.299	3026.727
150.0	3013.692	3026.727	3034.548	3034.548	3047.583
150.5	3031.941	3044.976	3052.797	3055.404	3071.046
151.0	3047.583	3063.225	3068.439	3073.653	3089.295
151.5	3063.225	3078.867	3086.688	3091.902	3110.151
152.0	3078.867	3097.116	3102.330	3110.151	3125.793
152.5	3097.116	3112.758	3115.365	3125.793	3144.042
153.0	3112.758	3128.400	3131.007	3141.435	3159.684
153.5	3128.400	3144.042	3144.042	3154.470	3175.326
154.0	3144.042	3159.684	3159.684	3170.112	3188.361
154.5	3157.077	3175.326	3172.719	3183.147	3204.003
155.0	3172.719	3190.968	3185.754	3196.182	3217.038
155.5	3188.361	3204.003	3198.789	3209.217	3227.466
156.0	3204.003	3219.645	3211.824	3222.252	3240.501
156.5	3219.645	3232.680	3224.859	3232.680	3250.929
157.0	3235.287	3245.715	3237.894	3245.715	3261.357
157.5	3248.322	3258.750	3250.929	3258.750	3271.785
158.0	3263.964	3269.178	3263.964	3269.178	3282.213
158.5	3276.999	3282.213	3274.392	3282.213	3292.641
159.0	3287.427	3292.641	3287.427	3292.641	3303.069
159.5	3300.462	3305.676	3300.462	3303.069	3316.104
160.0	3310.890	3316.104	3310.890	3313.497	3326.532
160.5	3318.711	3323.925	3321.318	3323.925	3339.567
161.0	3329.139	3334.353	3334.353	3334.353	3349.995
161.5	3339.567	3344.781	3344.781	3344.781	3363.030
162.0	3349.995	3352.602	3355.209	3357.816	3373.458
162.5	3360.423	3363.030	3365.637	3368.244	3386.493
163.0	3368.244	3370.851	3376.065	3378.672	3396.921
163.5	3378.672	3378.672	3383.886	3386.493	3407.349
164.0	3386.493	3389.100	3391.707	3396.921	3417.777
164.5	3394.314	3396.921	3402.135	3404.742	3428.205
165.0	3402.135	3404.742	3407.349	3415.170	3436.026
165.5	3407.349	3412.563	3415.170	3422.991	3443.847
166.0	3415.170	3420.384	3420.384	3430.812	3454.275
166.5	3422.991	3425.598	3425.598	3436.026	3459.489

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	3430.812	3433.419	3433.419	3441.240	3467.310
167.5	3436.026	3438.633	3438.633	3449.061	3472.524
168.0	3443.847	3446.454	3443.847	3454.275	3477.738
168.5	3449.061	3451.668	3446.454	3459.489	3482.952
169.0	3456.882	3456.882	3451.668	3462.096	3488.166
169.5	3462.096	3462.096	3456.882	3464.703	3490.773
170.0	3467.310	3467.310	3462.096	3469.917	3493.380
170.5	3472.524	3472.524	3464.703	3472.524	3495.987
171.0	3477.738	3477.738	3469.917	3475.131	3498.594
171.5	3482.952	3480.345	3472.524	3475.131	3501.201
172.0	3485.559	3485.559	3475.131	3477.738	3503.808
172.5	3490.773	3488.166	3477.738	3480.345	3503.808
173.0	3493.380	3490.773	3480.345	3480.345	3506.415
173.5	3498.594	3495.987	3480.345	3482.952	3506.415
174.0	3501.201	3498.594	3482.952	3485.559	3506.415
174.5	3503.808	3498.594	3485.559	3485.559	3509.022
175.0	3506.415	3501.201	3485.559	3485.559	3509.022
175.5	3509.022	3503.808	3488.166	3488.166	3509.022
176.0	3509.022	3503.808	3488.166	3488.166	3509.022
176.5	3511.629	3506.415	3488.166	3488.166	3509.022
177.0	3511.629	3506.415	3490.773	3490.773	3509.022
177.5	3514.236	3506.415	3490.773	3490.773	3509.022
178.0	3514.236	3506.415	3490.773	3490.773	3509.022
178.5	3514.236	3509.022	3490.773	3490.773	3509.022
179.0	3514.236	3509.022	3493.380	3490.773	3509.022
179.5	3514.236	3509.022	3493.380	3490.773	3509.022
180.0	3501.201	3501.201	3501.201	3501.201	3501.201

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1364.05	N.A.	7.90
0-30	2807.96	N.A.	16.30
0-40	4401.95	N.A.	25.60
0-60	7111.41	N.A.	41.30
0-80	8463.77	N.A.	49.20
0-90	8608.1	N.A.	50.00
10-90	8249.04	N.A.	47.90
20-40	3037.91	N.A.	17.60
20-50	4523.02	N.A.	26.30
40-70	3580.74	N.A.	20.80
60-80	1352.36	N.A.	7.90
70-80	481.08	N.A.	2.80
80-90	144.33	N.A.	0.80
90-110	439.80	N.A.	2.60
90-120	1131.6	N.A.	6.60
90-130	2365.22	N.A.	13.70
90-150	5841.44	N.A.	33.90
90-180	8607.66	N.A.	50.00
110-180	8167.86	N.A.	47.40
0-180	17215.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	359.06
10-20	1004.98
20-30	1443.91
30-40	1593.99
40-50	1485.12
50-60	1224.34
60-70	871.28
70-80	481.08
80-90	144.33
90-100	97.81
100-110	341.99
110-120	691.80
120-130	1233.62
130-140	1712.25
140-150	1763.96
150-160	1470.67
160-170	962.69
170-180	332.87

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-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	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36
3	82	72	65	60	75	67	61	56	57	53	49	48	45	42	40	37	35	31
4	75	64	57	51	69	60	53	48	51	46	42	43	39	36	36	33	30	27
5	69	58	50	44	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-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	18.6	19.5	19.6	20.4	21.7	17.5	18.3	18.4	19.3	20.6
	3H	20.2	21.0	21.2	22.0	23.3	19.1	19.8	20.0	20.8	22.1
	4H	20.8	21.5	21.8	22.5	23.8	19.6	20.3	20.6	21.3	22.6
	6H	21.2	21.8	22.2	22.8	24.1	20.1	20.7	21.1	21.7	23.0
	8H	21.3	21.9	22.3	22.9	24.2	20.2	20.8	21.2	21.8	23.2
	12H	21.3	21.9	22.3	22.9	24.3	20.3	20.9	21.3	21.9	23.3

UGR Viewed Endwise

4H	2H	19.0	19.7	20.0	20.7	22.0	18.1	18.8	19.1	19.8	21.1
	3H	20.8	21.4	21.8	22.4	23.7	19.8	20.4	20.8	21.5	22.8
	4H	21.5	22.1	22.5	23.1	24.4	20.5	21.1	21.5	22.1	23.4
	6H	22.0	22.5	23.0	23.5	24.9	21.1	21.6	22.1	22.6	23.9
	8H	22.2	22.6	23.2	23.6	25.0	21.3	21.7	22.3	22.8	24.1
	12H	22.3	22.7	23.3	23.7	25.1	21.4	21.8	22.5	22.9	24.2

8H	4H	21.7	22.1	22.7	23.1	24.5	20.8	21.2	21.8	22.3	23.6
	6H	22.3	22.7	23.4	23.7	25.1	21.5	21.9	22.6	22.9	24.3
	8H	22.6	22.9	23.6	23.9	25.3	21.8	22.1	22.9	23.2	24.5
	12H	22.7	23.0	23.8	24.0	25.5	22.0	22.3	23.1	23.4	24.8

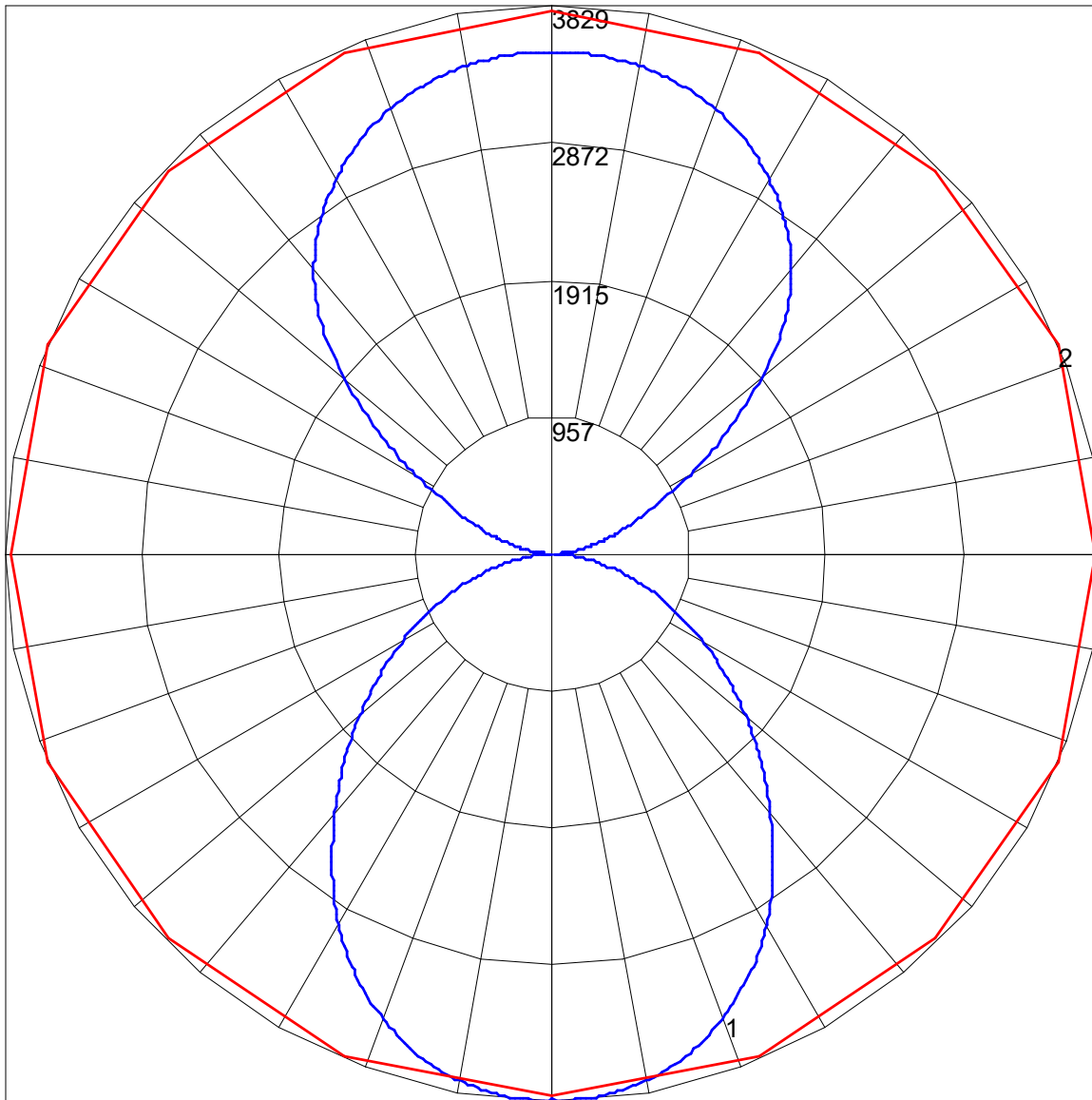
12H	4H	21.7	22.1	22.7	23.1	24.5	20.8	21.2	21.8	22.2	23.6
	6H	22.3	22.7	23.4	23.7	25.1	21.6	21.9	22.6	22.9	24.3
	8H	22.6	22.9	23.7	23.9	25.4	21.9	22.2	22.9	23.2	24.6

Maximum UGR = 25.5

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-8-00-L10-RGB835U-L10-RGB835D-F-DMX-UNV_.IES

POLAR GRAPH



Maximum Candela = 3829.008 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.)