



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4D-8-00-L10-RGB835-F-DMX-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15273503.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 7 May, 2024
[TEST DATE] 4/30/2024
[MANUFACTURER] H E WILLIAMS INC
[LUMEN CATEGORY] MX4D-8'00-LXX/RGB835-F-DMX-UNV WHITE ONLY
[LUMINAIRE] White housing with frosted lens and external DMX controller
[LAMP] 448 LEDs
[BALLAST] ERP VLM100-48
[OTHER] 25.2 C, 119.963 V, 0.358823 A, 42.4622 W, 0.986446 PF, 60.0072
[MORE] Hz
[OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
[OTHER] The reported results were measured in a facility that meets the requirements of ANSI/IES LM-75-19. The device under test emits no detectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8607
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	86.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4D-8-00-L10-RGB835-F-DMX-UNV_.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11606	11242	11054
55	10677	10324	10194
65	9820	9427	9202
75	8151	8088	7907
85	6152	6295	6224

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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	3361.175	3361.175	3361.175	3361.175	3361.175
0.5	3417.162	3363.105	3345.730	3353.452	3339.938
1.0	3415.231	3361.175	3345.730	3355.383	3339.938
1.5	3415.231	3361.175	3345.730	3355.383	3339.938
2.0	3413.301	3361.175	3343.799	3353.452	3338.007
2.5	3411.370	3357.313	3343.799	3353.452	3338.007
3.0	3409.440	3355.383	3339.938	3351.522	3336.077
3.5	3407.509	3353.452	3338.007	3349.591	3334.146
4.0	3403.648	3349.591	3336.077	3347.660	3334.146
4.5	3399.787	3347.660	3332.216	3343.799	3330.285
5.0	3397.856	3343.799	3330.285	3341.869	3324.493
5.5	3393.995	3339.938	3326.424	3338.007	3320.632
6.0	3390.134	3336.077	3322.563	3334.146	3316.771
6.5	3386.272	3332.216	3318.701	3328.354	3310.979
7.0	3382.411	3324.493	3312.910	3322.563	3307.118
7.5	3376.619	3320.632	3309.048	3316.771	3299.395
8.0	3370.828	3314.840	3301.326	3310.979	3295.534
8.5	3363.105	3309.048	3295.534	3303.257	3287.812
9.0	3357.313	3301.326	3289.742	3297.465	3283.951
9.5	3349.591	3295.534	3282.020	3289.742	3274.298
10.0	3343.799	3289.742	3274.298	3282.020	3266.575
10.5	3334.146	3282.020	3266.575	3274.298	3258.853
11.0	3326.424	3274.298	3258.853	3264.645	3251.130
11.5	3318.701	3264.645	3249.200	3258.853	3241.477
12.0	3310.979	3256.922	3239.547	3247.269	3231.824
12.5	3299.395	3247.269	3229.894	3237.616	3222.171
13.0	3291.673	3237.616	3220.241	3227.963	3210.588
13.5	3280.089	3227.963	3208.657	3216.380	3200.935
14.0	3270.436	3216.380	3199.004	3204.796	3189.351
14.5	3258.853	3204.796	3187.421	3193.212	3179.698
15.0	3247.269	3195.143	3175.837	3183.559	3168.115
15.5	3235.686	3183.559	3164.253	3171.976	3156.531
16.0	3222.171	3170.045	3152.670	3158.462	3143.017
16.5	3210.588	3158.462	3139.156	3144.947	3131.433
17.0	3195.143	3144.947	3125.641	3133.364	3117.919
17.5	3183.559	3133.364	3112.127	3117.919	3104.405
18.0	3170.045	3119.850	3098.613	3104.405	3088.960
18.5	3156.531	3106.335	3083.168	3088.960	3073.515
19.0	3143.017	3092.821	3069.654	3073.515	3058.070
19.5	3129.503	3079.307	3056.140	3058.070	3042.626
20.0	3114.058	3063.862	3040.695	3042.626	3025.250
20.5	3098.613	3050.348	3025.250	3025.250	3007.875
21.0	3083.168	3034.903	3011.736	3009.805	2990.499
21.5	3067.723	3019.458	2994.361	2990.499	2971.193
22.0	3052.279	3004.014	2978.916	2973.124	2953.818
22.5	3034.903	2986.638	2963.471	2953.818	2936.443
23.0	3019.458	2971.193	2946.096	2934.512	2919.067
23.5	3002.083	2953.818	2928.720	2917.137	2901.692
24.0	2984.708	2936.443	2911.345	2897.831	2882.386
24.5	2967.332	2917.137	2892.039	2878.525	2863.080
25.0	2948.026	2899.761	2874.663	2861.149	2841.843
25.5	2930.651	2882.386	2855.357	2841.843	2824.468
26.0	2909.414	2863.080	2836.051	2822.537	2803.231
26.5	2890.108	2843.774	2816.745	2803.231	2783.925

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CANDELA TABULATION - (Cont.)

27.0	2870.802	2824.468	2797.439	2785.856	2764.619
27.5	2849.566	2803.231	2776.203	2766.550	2745.313
28.0	2830.260	2781.995	2756.897	2747.244	2727.938
28.5	2807.092	2762.689	2737.591	2727.938	2706.701
29.0	2787.786	2741.452	2716.354	2708.632	2687.395
29.5	2766.550	2720.215	2695.118	2685.465	2666.159
30.0	2747.244	2698.979	2675.812	2666.159	2648.783
30.5	2724.077	2677.742	2654.575	2644.922	2625.616
31.0	2702.840	2656.506	2633.338	2623.685	2606.310
31.5	2681.603	2635.269	2612.102	2602.449	2585.073
32.0	2660.367	2612.102	2590.865	2579.282	2563.837
32.5	2637.200	2590.865	2567.698	2558.045	2540.670
33.0	2615.963	2569.629	2546.461	2536.808	2519.433
33.5	2594.726	2546.461	2523.294	2511.711	2496.266
34.0	2571.559	2525.225	2502.058	2488.543	2471.168
34.5	2548.392	2502.058	2478.890	2465.376	2448.001
35.0	2525.225	2480.821	2455.723	2442.209	2424.834
35.5	2502.058	2457.654	2434.487	2419.042	2401.666
36.0	2478.890	2436.417	2411.319	2395.875	2378.499
36.5	2455.723	2411.319	2388.152	2372.707	2353.401
37.0	2430.625	2388.152	2364.985	2349.540	2330.234
37.5	2407.458	2364.985	2339.887	2326.373	2307.067
38.0	2384.291	2339.887	2316.720	2301.275	2283.900
38.5	2359.193	2316.720	2291.622	2276.177	2258.802
39.0	2336.026	2291.622	2268.455	2253.010	2233.704
39.5	2310.928	2268.455	2243.357	2227.912	2210.537
40.0	2285.830	2243.357	2220.190	2204.745	2185.439
40.5	2260.733	2218.259	2195.092	2179.647	2160.341
41.0	2233.704	2193.162	2171.925	2154.550	2135.244
41.5	2210.537	2168.064	2146.827	2129.452	2110.146
42.0	2183.509	2142.966	2121.729	2104.354	2085.048
42.5	2158.411	2117.868	2096.632	2079.256	2059.950
43.0	2133.313	2090.840	2071.534	2054.158	2034.852
43.5	2108.215	2065.742	2044.505	2029.061	2009.755
44.0	2083.117	2040.644	2019.408	2002.032	1984.657
44.5	2058.020	2015.546	1994.310	1976.934	1959.559
45.0	2032.922	1990.449	1969.212	1951.837	1936.392
45.5	2007.824	1963.420	1942.184	1925.387	1910.908
46.0	1980.796	1938.322	1917.858	1900.676	1885.810
46.5	1955.698	1912.452	1892.374	1875.578	1860.519
47.0	1930.021	1887.355	1866.504	1850.287	1835.035
47.5	1904.730	1862.064	1841.599	1825.189	1810.517
48.0	1877.895	1836.194	1816.502	1799.898	1785.805
48.5	1852.604	1810.710	1791.404	1774.994	1760.514
49.0	1826.541	1785.226	1765.534	1749.510	1735.996
49.5	1800.478	1759.935	1741.015	1725.184	1710.705
50.0	1774.221	1734.644	1715.724	1700.279	1685.221
50.5	1748.738	1708.388	1690.047	1675.568	1660.316
51.0	1723.061	1683.290	1665.143	1651.049	1635.604
51.5	1697.384	1657.806	1639.852	1626.144	1610.700
52.0	1672.479	1632.322	1614.175	1601.433	1585.602
52.5	1646.995	1607.225	1589.077	1576.335	1561.083
53.0	1620.932	1581.934	1563.400	1551.430	1535.792
53.5	1595.255	1556.257	1538.109	1526.332	1511.081
54.0	1568.999	1531.352	1512.625	1501.428	1485.404
54.5	1543.129	1506.254	1487.334	1476.716	1466.870

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CANDELA TABULATION - (Cont.)

55.0	1517.066	1480.770	1466.870	1460.499	1448.529
55.5	1491.775	1460.113	1453.163	1442.544	1426.134
56.0	1467.063	1445.054	1427.679	1417.060	1400.843
56.5	1451.618	1421.501	1402.388	1391.190	1375.939
57.0	1429.995	1395.631	1377.097	1364.741	1349.876
57.5	1403.546	1370.340	1351.806	1339.836	1325.357
58.0	1377.483	1345.242	1326.708	1314.739	1299.873
58.5	1351.806	1320.144	1301.224	1288.676	1274.582
59.0	1325.743	1294.274	1275.934	1263.964	1250.064
59.5	1300.645	1268.983	1251.222	1238.673	1225.931
60.0	1275.741	1243.886	1225.931	1214.347	1201.412
60.5	1250.643	1219.560	1201.219	1189.250	1176.701
61.0	1225.738	1194.269	1176.508	1164.731	1152.761
61.5	1201.219	1169.944	1152.568	1139.826	1128.243
62.0	1176.508	1145.811	1128.436	1115.308	1103.724
62.5	1151.796	1121.293	1104.110	1091.561	1079.785
63.0	1126.891	1097.353	1080.557	1067.622	1055.845
63.5	1102.373	1073.028	1057.390	1044.455	1031.906
64.0	1077.661	1048.895	1033.836	1021.094	1008.352
64.5	1052.370	1025.535	1010.476	998.506	985.571
65.0	1028.045	1001.016	986.923	975.725	963.369
65.5	1002.754	977.270	963.562	953.137	941.361
66.0	978.042	953.716	940.395	931.128	919.545
66.5	952.751	929.391	916.649	908.540	897.150
67.0	927.074	905.258	893.289	886.145	875.334
67.5	902.169	881.126	869.735	863.364	852.553
68.0	876.492	856.800	845.989	840.390	829.579
68.5	850.622	832.475	822.243	816.258	806.219
69.0	825.332	808.342	798.110	792.318	782.858
69.5	799.268	783.824	773.784	768.379	758.726
70.0	773.012	759.305	749.652	743.860	734.400
70.5	746.949	734.786	725.713	719.921	710.461
71.0	720.886	709.496	701.773	695.981	686.521
71.5	695.209	684.784	677.641	672.235	663.161
72.0	669.532	660.265	654.087	648.875	640.380
72.5	643.469	635.747	630.534	625.514	617.213
73.0	618.950	611.421	607.753	602.926	595.011
73.5	594.046	588.061	584.972	579.952	572.809
74.0	570.106	564.314	562.384	557.943	550.607
74.5	546.360	541.147	540.182	535.742	528.598
75.0	522.613	518.366	518.559	513.733	506.976
75.5	499.832	495.971	496.357	492.110	485.739
76.0	477.437	473.962	475.121	470.680	465.082
76.5	454.849	452.147	453.691	449.830	444.231
77.0	433.227	430.331	432.647	428.979	423.767
77.5	411.797	409.287	411.604	408.322	403.302
78.0	390.560	388.244	390.947	388.244	383.417
78.5	369.710	367.586	370.675	368.165	363.918
79.0	348.859	347.315	350.404	348.280	344.419
79.5	328.395	327.237	330.712	328.974	325.306
80.0	308.896	307.931	311.213	309.861	306.386
80.5	289.590	288.818	291.907	291.134	287.852
81.0	270.091	269.898	273.373	272.601	269.898
81.5	251.171	251.171	255.225	254.646	251.943
82.0	232.830	233.216	236.885	236.692	234.375
82.5	215.262	216.034	219.316	218.737	217.193

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CANDELA TABULATION - (Cont.)

83.0	197.693	198.852	201.941	201.362	200.203
83.5	180.511	182.056	185.145	184.372	183.600
84.0	164.101	165.839	168.348	167.576	166.997
84.5	148.270	149.815	151.938	150.973	150.780
85.0	132.825	134.563	135.914	134.949	134.370
85.5	117.767	119.311	120.469	118.925	117.960
86.0	103.094	104.445	105.025	102.901	102.708
86.5	89.194	90.159	90.159	87.649	87.263
87.0	75.486	76.259	75.100	72.398	72.398
87.5	62.358	62.358	60.621	57.532	57.146
88.0	49.230	49.037	46.141	43.052	42.280
88.5	36.488	35.909	32.241	28.959	28.573
89.0	23.553	22.781	19.306	16.603	16.410
89.5	11.584	11.004	9.074	7.143	7.143
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4D-8-00-L10-RGB835-F-DMX-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1216.33	N.A.	14.10
0-30	2543.21	N.A.	29.50
0-40	4083.2	N.A.	47.40
0-60	6924.6	N.A.	80.50
0-80	8454.11	N.A.	98.20
0-90	8607.05	N.A.	100.00
10-90	8289.63	N.A.	96.30
20-40	2866.87	N.A.	33.30
20-50	4389.45	N.A.	51.00
40-70	3821.42	N.A.	44.40
60-80	1529.51	N.A.	17.80
70-80	549.49	N.A.	6.40
80-90	152.94	N.A.	1.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8607.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	317.42
10-20	898.91
20-30	1326.89
30-40	1539.98
40-50	1522.58
50-60	1318.83
60-70	980.02
70-80	549.49
80-90	152.94
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4D-8-00-L10-RGB835-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	238	238	238	238	233	233	233	233	222	222	222	213	213	213	204	204	204	200
1	218	209	200	193	213	204	197	190	196	189	184	188	183	178	181	177	173	169
2	199	183	169	158	193	179	166	156	172	161	152	165	157	149	159	152	146	141
3	182	161	145	132	177	158	143	131	152	139	129	146	135	126	141	132	124	120
4	167	143	126	112	162	140	124	112	135	121	110	131	119	109	126	116	107	103
5	153	128	110	97	149	126	109	97	122	107	96	118	105	95	114	103	94	89
6	142	116	98	85	138	114	97	85	110	95	84	107	94	83	104	92	83	79
7	132	105	88	76	128	103	87	75	100	86	75	97	84	74	95	83	74	70
8	123	96	79	68	120	95	79	67	92	77	67	90	76	67	87	75	66	62
9	115	88	72	61	112	87	72	61	85	71	61	83	70	60	81	69	60	56
10	108	82	66	56	105	81	66	55	79	65	55	77	64	55	75	63	55	51

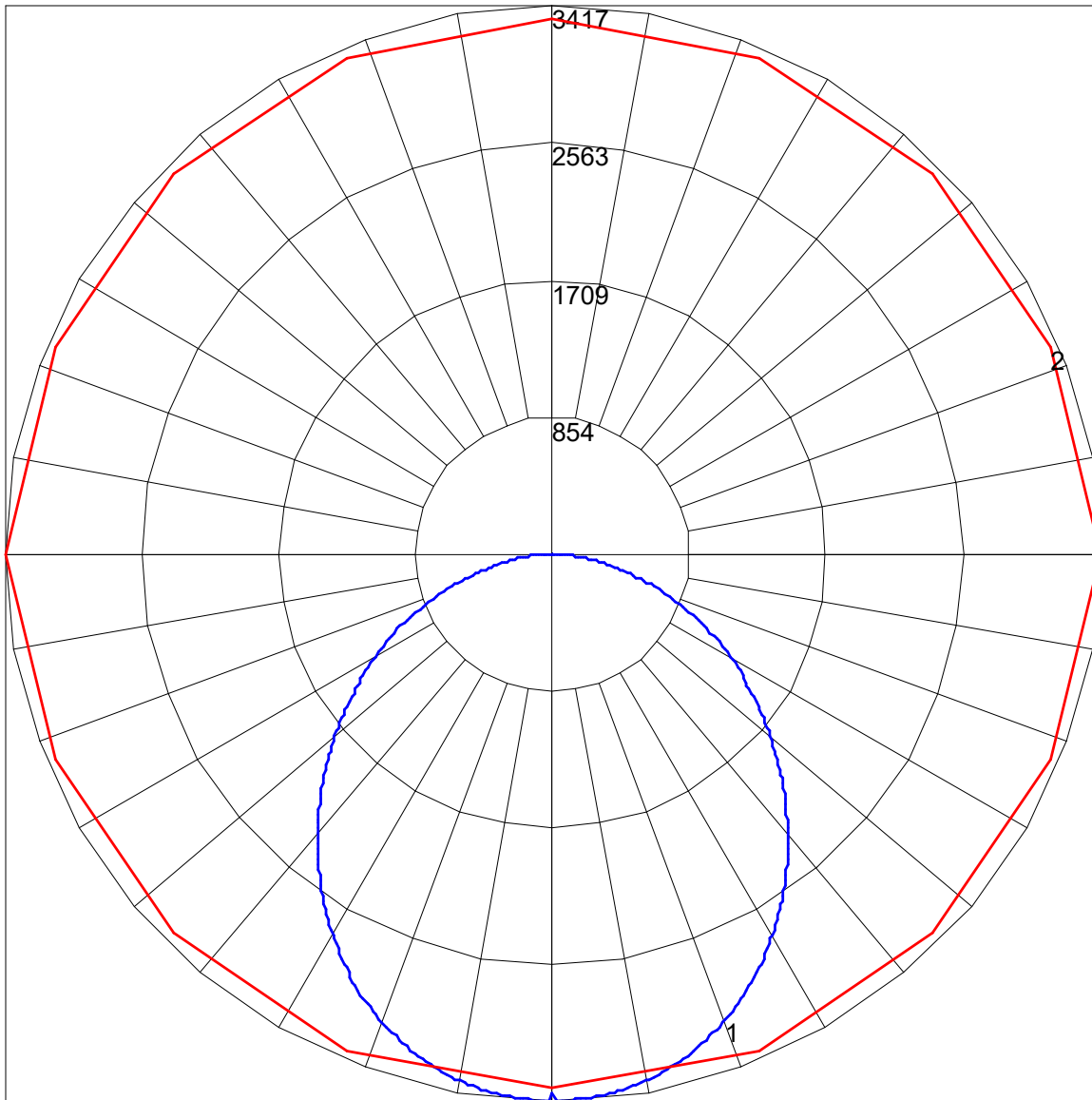
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	20.2	21.8	20.6	22.2	22.5	20.0	21.6	20.4	22.0	22.3
	3H	22.0	23.5	22.4	23.8	24.1	21.8	23.2	22.2	23.6	23.9
	4H	22.6	24.0	23.0	24.3	24.7	22.4	23.8	22.8	24.1	24.5
	6H	23.1	24.3	23.5	24.7	25.1	22.9	24.1	23.3	24.5	24.9
	8H	23.2	24.4	23.6	24.8	25.2	23.0	24.2	23.4	24.6	25.0
	12H	23.3	24.5	23.7	24.8	25.3	23.1	24.3	23.6	24.7	25.1
4H	2H	20.8	22.2	21.2	22.5	22.9	20.6	22.0	21.0	22.4	22.7
	3H	22.8	23.9	23.2	24.3	24.7	22.6	23.8	23.0	24.2	24.6
	4H	23.5	24.6	24.0	25.0	25.4	23.4	24.4	23.8	24.8	25.3
	6H	24.1	25.0	24.6	25.5	25.9	24.0	24.9	24.4	25.3	25.8
	8H	24.3	25.1	24.8	25.6	26.1	24.2	25.0	24.6	25.5	25.9
	12H	24.4	25.2	24.9	25.7	26.1	24.3	25.1	24.8	25.5	26.0
8H	4H	23.8	24.7	24.3	25.1	25.6	23.7	24.5	24.1	25.0	25.4
	6H	24.5	25.2	25.0	25.7	26.2	24.4	25.1	24.9	25.6	26.1
	8H	24.8	25.4	25.3	25.9	26.4	24.6	25.3	25.2	25.8	26.3
	12H	25.0	25.5	25.5	26.0	26.6	24.9	25.4	25.4	25.9	26.5
12H	4H	23.8	24.6	24.3	25.1	25.6	23.7	24.5	24.2	24.9	25.4
	6H	24.6	25.2	25.1	25.7	26.2	24.4	25.1	25.0	25.5	26.1
	8H	24.9	25.4	25.4	25.9	26.5	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 3417.162 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)