



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4RX-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

[MANUFAC] H E WILLIAMS INC

[LUMCAT] MX4D-8'00-LXX/RGB835-F-DMX-UNV WHITE ONLY

[LUMINAIRE] White housing with frosted lens and external DMX controlle

[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 met

[MORE] hod of absolute photometry.

[OTHER] The reported results were measured in a facility that meets th

[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de

[MORE] tectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8426
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	83.8
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)	7.92 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4RX-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	11476	11117	10931
55	10558	10209	10081
65	9710	9322	9099
75	8060	7998	7819
85	6083	6225	6154

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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	3290.490	3290.490	3290.490	3290.490	3290.490
0.5	3345.300	3292.380	3275.370	3282.930	3269.700
1.0	3343.410	3290.490	3275.370	3284.820	3269.700
1.5	3343.410	3290.490	3275.370	3284.820	3269.700
2.0	3341.520	3290.490	3273.480	3282.930	3267.810
2.5	3339.630	3286.710	3273.480	3282.930	3267.810
3.0	3337.740	3284.820	3269.700	3281.040	3265.920
3.5	3335.850	3282.930	3267.810	3279.150	3264.030
4.0	3332.070	3279.150	3265.920	3277.260	3264.030
4.5	3328.290	3277.260	3262.140	3273.480	3260.250
5.0	3326.400	3273.480	3260.250	3271.590	3254.580
5.5	3322.620	3269.700	3256.470	3267.810	3250.800
6.0	3318.840	3265.920	3252.690	3264.030	3247.020
6.5	3315.060	3262.140	3248.910	3258.360	3241.350
7.0	3311.280	3254.580	3243.240	3252.690	3237.570
7.5	3305.610	3250.800	3239.460	3247.020	3230.010
8.0	3299.940	3245.130	3231.900	3241.350	3226.230
8.5	3292.380	3239.460	3226.230	3233.790	3218.670
9.0	3286.710	3231.900	3220.560	3228.120	3214.890
9.5	3279.150	3226.230	3213.000	3220.560	3205.440
10.0	3273.480	3220.560	3205.440	3213.000	3197.880
10.5	3264.030	3213.000	3197.880	3205.440	3190.320
11.0	3256.470	3205.440	3190.320	3195.990	3182.760
11.5	3248.910	3195.990	3180.870	3190.320	3173.310
12.0	3241.350	3188.430	3171.420	3178.980	3163.860
12.5	3230.010	3178.980	3161.970	3169.530	3154.410
13.0	3222.450	3169.530	3152.520	3160.080	3143.070
13.5	3211.110	3160.080	3141.180	3148.740	3133.620
14.0	3201.660	3148.740	3131.730	3137.400	3122.280
14.5	3190.320	3137.400	3120.390	3126.060	3112.830
15.0	3178.980	3127.950	3109.050	3116.610	3101.490
15.5	3167.640	3116.610	3097.710	3105.270	3090.150
16.0	3154.410	3103.380	3086.370	3092.040	3076.920
16.5	3143.070	3092.040	3073.140	3078.810	3065.580
17.0	3127.950	3078.810	3059.910	3067.470	3052.350
17.5	3116.610	3067.470	3046.680	3052.350	3039.120
18.0	3103.380	3054.240	3033.450	3039.120	3024.000
18.5	3090.150	3041.010	3018.330	3024.000	3008.880
19.0	3076.920	3027.780	3005.100	3008.880	2993.760
19.5	3063.690	3014.550	2991.870	2993.760	2978.640
20.0	3048.570	2999.430	2976.750	2978.640	2961.630
20.5	3033.450	2986.200	2961.630	2961.630	2944.620
21.0	3018.330	2971.080	2948.400	2946.510	2927.610
21.5	3003.210	2955.960	2931.390	2927.610	2908.710
22.0	2988.090	2940.840	2916.270	2910.600	2891.700
22.5	2971.080	2923.830	2901.150	2891.700	2874.690
23.0	2955.960	2908.710	2884.140	2872.800	2857.680
23.5	2938.950	2891.700	2867.130	2855.790	2840.670
24.0	2921.940	2874.690	2850.120	2836.890	2821.770
24.5	2904.930	2855.790	2831.220	2817.990	2802.870
25.0	2886.030	2838.780	2814.210	2800.980	2782.080
25.5	2869.020	2821.770	2795.310	2782.080	2765.070
26.0	2848.230	2802.870	2776.410	2763.180	2744.280
26.5	2829.330	2783.970	2757.510	2744.280	2725.380

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CANDELA TABULATION - (Cont.)

27.0	2810.430	2765.070	2738.610	2727.270	2706.480
27.5	2789.640	2744.280	2717.820	2708.370	2687.580
28.0	2770.740	2723.490	2698.920	2689.470	2670.570
28.5	2748.060	2704.590	2680.020	2670.570	2649.780
29.0	2729.160	2683.800	2659.230	2651.670	2630.880
29.5	2708.370	2663.010	2638.440	2628.990	2610.090
30.0	2689.470	2642.220	2619.540	2610.090	2593.080
30.5	2666.790	2621.430	2598.750	2589.300	2570.400
31.0	2646.000	2600.640	2577.960	2568.510	2551.500
31.5	2625.210	2579.850	2557.170	2547.720	2530.710
32.0	2604.420	2557.170	2536.380	2525.040	2509.920
32.5	2581.740	2536.380	2513.700	2504.250	2487.240
33.0	2560.950	2515.590	2492.910	2483.460	2466.450
33.5	2540.160	2492.910	2470.230	2458.890	2443.770
34.0	2517.480	2472.120	2449.440	2436.210	2419.200
34.5	2494.800	2449.440	2426.760	2413.530	2396.520
35.0	2472.120	2428.650	2404.080	2390.850	2373.840
35.5	2449.440	2405.970	2383.290	2368.170	2351.160
36.0	2426.760	2385.180	2360.610	2345.490	2328.480
36.5	2404.080	2360.610	2337.930	2322.810	2303.910
37.0	2379.510	2337.930	2315.250	2300.130	2281.230
37.5	2356.830	2315.250	2290.680	2277.450	2258.550
38.0	2334.150	2290.680	2268.000	2252.880	2235.870
38.5	2309.580	2268.000	2243.430	2228.310	2211.300
39.0	2286.900	2243.430	2220.750	2205.630	2186.730
39.5	2262.330	2220.750	2196.180	2181.060	2164.050
40.0	2237.760	2196.180	2173.500	2158.380	2139.480
40.5	2213.190	2171.610	2148.930	2133.810	2114.910
41.0	2186.730	2147.040	2126.250	2109.240	2090.340
41.5	2164.050	2122.470	2101.680	2084.670	2065.770
42.0	2137.590	2097.900	2077.110	2060.100	2041.200
42.5	2113.020	2073.330	2052.540	2035.530	2016.630
43.0	2088.450	2046.870	2027.970	2010.960	1992.060
43.5	2063.880	2022.300	2001.510	1986.390	1967.490
44.0	2039.310	1997.730	1976.940	1959.930	1942.920
44.5	2014.740	1973.160	1952.370	1935.360	1918.350
45.0	1990.170	1948.590	1927.800	1910.790	1895.670
45.5	1965.600	1922.130	1901.340	1884.897	1870.722
46.0	1939.140	1897.560	1877.526	1860.705	1846.152
46.5	1914.570	1872.234	1852.578	1836.135	1821.393
47.0	1889.433	1847.664	1827.252	1811.376	1796.445
47.5	1864.674	1822.905	1802.871	1786.806	1772.442
48.0	1838.403	1797.579	1778.301	1762.047	1748.250
48.5	1813.644	1772.631	1753.731	1737.666	1723.491
49.0	1788.129	1747.683	1728.405	1712.718	1699.488
49.5	1762.614	1722.924	1704.402	1688.904	1674.729
50.0	1736.910	1698.165	1679.643	1664.523	1649.781
50.5	1711.962	1672.461	1654.506	1640.331	1625.400
51.0	1686.825	1647.891	1630.125	1616.328	1601.208
51.5	1661.688	1622.943	1605.366	1591.947	1576.827
52.0	1637.307	1597.995	1580.229	1567.755	1552.257
52.5	1612.359	1573.425	1555.659	1543.185	1528.254
53.0	1586.844	1548.666	1530.522	1518.804	1503.495
53.5	1561.707	1523.529	1505.763	1494.234	1479.303
54.0	1536.003	1499.148	1480.815	1469.853	1454.166
54.5	1510.677	1474.578	1456.056	1445.661	1436.022

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CANDELA TABULATION - (Cont.)

55.0	1485.162	1449.630	1436.022	1429.785	1418.067
55.5	1460.403	1429.407	1422.603	1412.208	1396.143
56.0	1436.211	1414.665	1397.655	1387.260	1371.384
56.5	1421.091	1391.607	1372.896	1361.934	1347.003
57.0	1399.923	1366.281	1348.137	1336.041	1321.488
57.5	1374.030	1341.522	1323.378	1311.660	1297.485
58.0	1348.515	1316.952	1298.808	1287.090	1272.537
58.5	1323.378	1292.382	1273.860	1261.575	1247.778
59.0	1297.863	1267.056	1249.101	1237.383	1223.775
59.5	1273.293	1242.297	1224.909	1212.624	1200.150
60.0	1248.912	1217.727	1200.150	1188.810	1176.147
60.5	1224.342	1193.913	1175.958	1164.240	1151.955
61.0	1199.961	1169.154	1151.766	1140.237	1128.519
61.5	1175.958	1145.340	1128.330	1115.856	1104.516
62.0	1151.766	1121.715	1104.705	1091.853	1080.513
62.5	1127.574	1097.712	1080.891	1068.606	1057.077
63.0	1103.193	1074.276	1057.833	1045.170	1033.641
63.5	1079.190	1050.462	1035.153	1022.490	1010.205
64.0	1054.998	1026.837	1012.095	999.621	987.147
64.5	1030.239	1003.968	989.226	977.508	964.845
65.0	1006.425	979.965	966.168	955.206	943.110
65.5	981.666	956.718	943.299	933.093	921.564
66.0	957.474	933.660	920.619	911.547	900.207
66.5	932.715	909.846	897.372	889.434	878.283
67.0	907.578	886.221	874.503	867.510	856.926
67.5	883.197	862.596	851.445	845.208	834.624
68.0	858.060	838.782	828.198	822.717	812.133
68.5	832.734	814.968	804.951	799.092	789.264
69.0	807.975	791.343	781.326	775.656	766.395
69.5	782.460	767.340	757.512	752.220	742.770
70.0	756.756	743.337	733.887	728.217	718.956
70.5	731.241	719.334	710.451	704.781	695.520
71.0	705.726	694.575	687.015	681.345	672.084
71.5	680.589	670.383	663.390	658.098	649.215
72.0	655.452	646.380	640.332	635.229	626.913
72.5	629.937	622.377	617.274	612.360	604.233
73.0	605.934	598.563	594.972	590.247	582.498
73.5	581.553	575.694	572.670	567.756	560.763
74.0	558.117	552.447	550.557	546.210	539.028
74.5	534.870	529.767	528.822	524.475	517.482
75.0	511.623	507.465	507.654	502.929	496.314
75.5	489.321	485.541	485.919	481.761	475.524
76.0	467.397	463.995	465.129	460.782	455.301
76.5	445.284	442.638	444.150	440.370	434.889
77.0	424.116	421.281	423.549	419.958	414.855
77.5	403.137	400.680	402.948	399.735	394.821
78.0	382.347	380.079	382.725	380.079	375.354
78.5	361.935	359.856	362.880	360.423	356.265
79.0	341.523	340.011	343.035	340.956	337.176
79.5	321.489	320.355	323.757	322.056	318.465
80.0	302.400	301.455	304.668	303.345	299.943
80.5	283.500	282.744	285.768	285.012	281.799
81.0	264.411	264.222	267.624	266.868	264.222
81.5	245.889	245.889	249.858	249.291	246.645
82.0	227.934	228.312	231.903	231.714	229.446
82.5	210.735	211.491	214.704	214.137	212.625

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CANDELA TABULATION - (Cont.)

83.0	193.536	194.670	197.694	197.127	195.993
83.5	176.715	178.227	181.251	180.495	179.739
84.0	160.650	162.351	164.808	164.052	163.485
84.5	145.152	146.664	148.743	147.798	147.609
85.0	130.032	131.733	133.056	132.111	131.544
85.5	115.290	116.802	117.936	116.424	115.479
86.0	100.926	102.249	102.816	100.737	100.548
86.5	87.318	88.263	88.263	85.806	85.428
87.0	73.899	74.655	73.521	70.875	70.875
87.5	61.047	61.047	59.346	56.322	55.944
88.0	48.195	48.006	45.171	42.147	41.391
88.5	35.721	35.154	31.563	28.350	27.972
89.0	23.058	22.302	18.900	16.254	16.065
89.5	11.340	10.773	8.883	6.993	6.993
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 : MX4RX-8-00-L10-RGB835-F-DMX-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1190.75	N.A.	14.10
0-30	2489.73	N.A.	29.50
0-40	3997.33	N.A.	47.40
0-60	6778.98	N.A.	80.50
0-80	8276.32	N.A.	98.20
0-90	8426.04	N.A.	100.00
10-90	8115.3	N.A.	96.30
20-40	2806.58	N.A.	33.30
20-50	4297.14	N.A.	51.00
40-70	3741.06	N.A.	44.40
60-80	1497.34	N.A.	17.80
70-80	537.94	N.A.	6.40
80-90	149.72	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	8426.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	310.75
10-20	880.00
20-30	1298.98
30-40	1507.6
40-50	1490.56
50-60	1291.09
60-70	959.41
70-80	537.94
80-90	149.72
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 : MX4RX-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	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	98
1	107	102	98	94	104	100	96	93	96	93	90	92	89	87	88	86	85	83
2	97	89	83	77	95	88	82	76	84	79	75	81	77	73	78	74	71	69
3	89	79	71	65	86	77	70	64	74	68	63	72	66	62	69	65	61	59
4	82	70	62	55	79	69	61	55	66	59	54	64	58	53	62	57	52	50
5	75	63	54	48	73	62	53	47	60	52	47	58	51	46	56	50	46	44
6	69	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
7	64	51	43	37	63	51	43	37	49	42	37	48	41	36	46	41	36	34
8	60	47	39	33	59	46	38	33	45	38	33	44	37	33	43	37	32	31
9	56	43	35	30	55	43	35	30	42	35	30	40	34	30	39	34	29	28
10	53	40	32	27	51	39	32	27	38	32	27	38	31	27	37	31	27	25

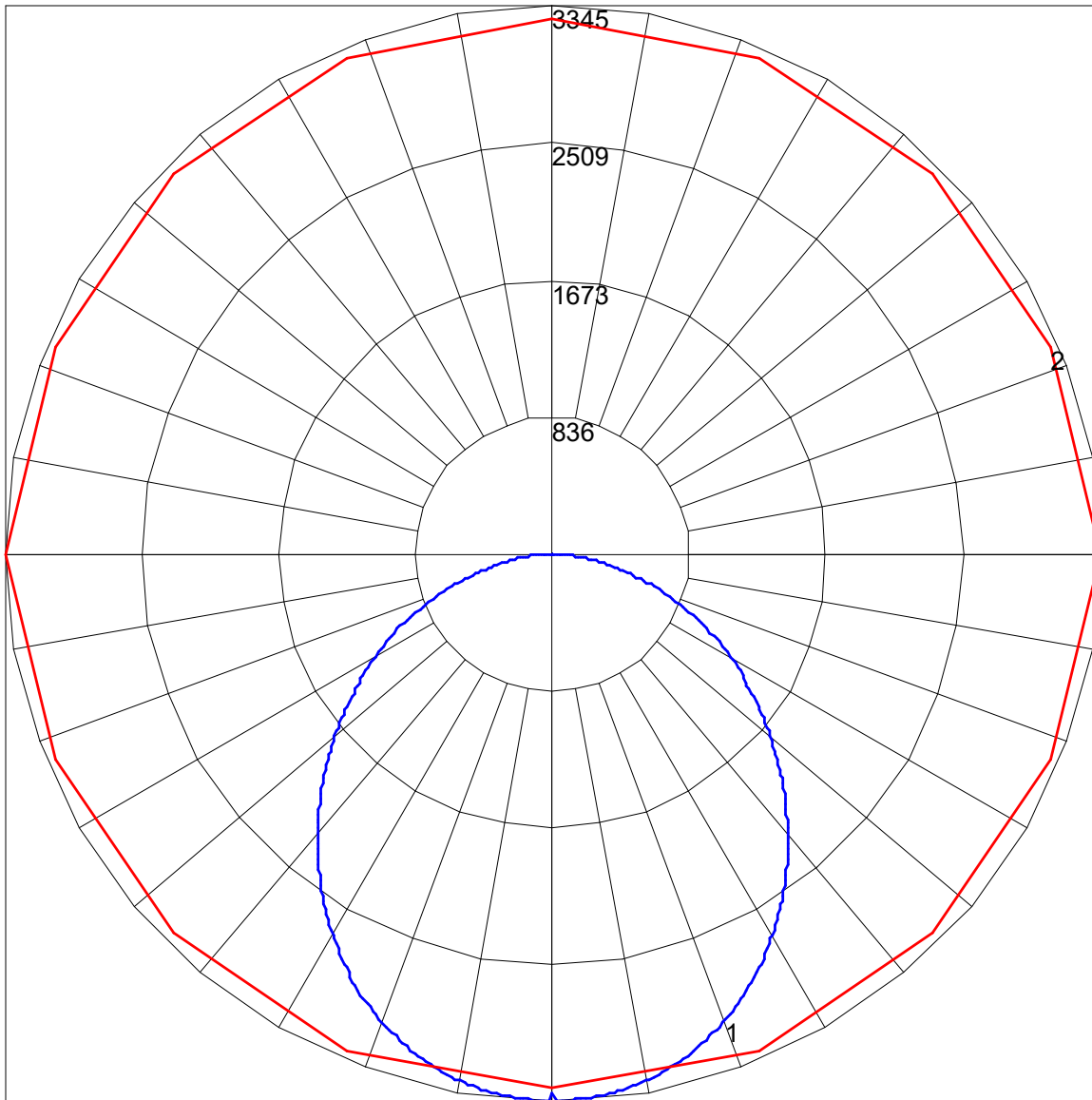
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX4RX-8-00-L10-RGB835-F-DMX-UNV_.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	20.2	21.8	20.6	22.1	22.5	20.0	21.6	20.4	21.9	22.3
	3H	22.0	23.4	22.4	23.8	24.1	21.8	23.2	22.1	23.5	23.9
	4H	22.6	24.0	23.0	24.3	24.7	22.4	23.8	22.8	24.1	24.5
	6H	23.0	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	24.4	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	25.2
	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	24.7	25.6	26.0	24.1	25.0	24.6	25.4	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	26.0
	8H	24.7	25.4	25.3	25.9	26.4	24.6	25.3	25.1	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	25.5	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 = 3345.3 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.)