



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4RX-6-00-L10-RGB840-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] 24 Sep, 2024

[TEST DATE] 4/30/2024

[MANUFAC] H E WILLIAMS INC

[LUMCAT] MX4D-6'00-L10/RGB840-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 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	6509
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	62.9
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)	5.92 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4RX-6-00-L10-RGB840-F-DMX-UNV_.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11860	11489	11297
55	10911	10550	10418
65	10035	9634	9404
75	8330	8265	8081
85	6287	6433	6360

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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	2541.860	2541.860	2541.860	2541.860	2541.860
0.5	2584.200	2543.320	2530.180	2536.020	2525.800
1.0	2582.740	2541.860	2530.180	2537.480	2525.800
1.5	2582.740	2541.860	2530.180	2537.480	2525.800
2.0	2581.280	2541.860	2528.720	2536.020	2524.340
2.5	2579.820	2538.940	2528.720	2536.020	2524.340
3.0	2578.360	2537.480	2525.800	2534.560	2522.880
3.5	2576.900	2536.020	2524.340	2533.100	2521.420
4.0	2573.980	2533.100	2522.880	2531.640	2521.420
4.5	2571.060	2531.640	2519.960	2528.720	2518.500
5.0	2569.600	2528.720	2518.500	2527.260	2514.120
5.5	2566.680	2525.800	2515.580	2524.340	2511.200
6.0	2563.760	2522.880	2512.660	2521.420	2508.280
6.5	2560.840	2519.960	2509.740	2517.040	2503.900
7.0	2557.920	2514.120	2505.360	2512.660	2500.980
7.5	2553.540	2511.200	2502.440	2508.280	2495.140
8.0	2549.160	2506.820	2496.600	2503.900	2492.220
8.5	2543.320	2502.440	2492.220	2498.060	2486.380
9.0	2538.940	2496.600	2487.840	2493.680	2483.460
9.5	2533.100	2492.220	2482.000	2487.840	2476.160
10.0	2528.720	2487.840	2476.160	2482.000	2470.320
10.5	2521.420	2482.000	2470.320	2476.160	2464.480
11.0	2515.580	2476.160	2464.480	2468.860	2458.640
11.5	2509.740	2468.860	2457.180	2464.480	2451.340
12.0	2503.900	2463.020	2449.880	2455.720	2444.040
12.5	2495.140	2455.720	2442.580	2448.420	2436.740
13.0	2489.300	2448.420	2435.280	2441.120	2427.980
13.5	2480.540	2441.120	2426.520	2432.360	2420.680
14.0	2473.240	2432.360	2419.220	2423.600	2411.920
14.5	2464.480	2423.600	2410.460	2414.840	2404.620
15.0	2455.720	2416.300	2401.700	2407.540	2395.860
15.5	2446.960	2407.540	2392.940	2398.780	2387.100
16.0	2436.740	2397.320	2384.180	2388.560	2376.880
16.5	2427.980	2388.560	2373.960	2378.340	2368.120
17.0	2416.300	2378.340	2363.740	2369.580	2357.900
17.5	2407.540	2369.580	2353.520	2357.900	2347.680
18.0	2397.320	2359.360	2343.300	2347.680	2336.000
18.5	2387.100	2349.140	2331.620	2336.000	2324.320
19.0	2376.880	2338.920	2321.400	2324.320	2312.640
19.5	2366.660	2328.700	2311.180	2312.640	2300.960
20.0	2354.980	2317.020	2299.500	2300.960	2287.820
20.5	2343.300	2306.800	2287.820	2287.820	2274.680
21.0	2331.620	2295.120	2277.600	2276.140	2261.540
21.5	2319.940	2283.440	2264.460	2261.540	2246.940
22.0	2308.260	2271.760	2252.780	2248.400	2233.800
22.5	2295.120	2258.620	2241.100	2233.800	2220.660
23.0	2283.440	2246.940	2227.960	2219.200	2207.520
23.5	2270.300	2233.800	2214.820	2206.060	2194.380
24.0	2257.160	2220.660	2201.680	2191.460	2179.780
24.5	2244.020	2206.060	2187.080	2176.860	2165.180
25.0	2229.420	2192.920	2173.940	2163.720	2149.120
25.5	2216.280	2179.780	2159.340	2149.120	2135.980
26.0	2200.220	2165.180	2144.740	2134.520	2119.920
26.5	2185.620	2150.580	2130.140	2119.920	2105.320

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CANDELA TABULATION - (Cont.)

27.0	2171.020	2135.980	2115.540	2106.780	2090.720
27.5	2154.960	2119.920	2099.480	2092.180	2076.120
28.0	2140.360	2103.860	2084.880	2077.580	2062.980
28.5	2122.840	2089.260	2070.280	2062.980	2046.920
29.0	2108.240	2073.200	2054.220	2048.380	2032.320
29.5	2092.180	2057.140	2038.160	2030.860	2016.260
30.0	2077.580	2041.080	2023.560	2016.260	2003.120
30.5	2060.060	2025.020	2007.500	2000.200	1985.600
31.0	2044.000	2008.960	1991.440	1984.140	1971.000
31.5	2027.940	1992.900	1975.380	1968.080	1954.940
32.0	2011.880	1975.380	1959.320	1950.560	1938.880
32.5	1994.360	1959.320	1941.800	1934.500	1921.360
33.0	1978.300	1943.260	1925.740	1918.440	1905.300
33.5	1962.240	1925.740	1908.220	1899.460	1887.780
34.0	1944.720	1909.680	1892.160	1881.940	1868.800
34.5	1927.200	1892.160	1874.640	1864.420	1851.280
35.0	1909.680	1876.100	1857.120	1846.900	1833.760
35.5	1892.160	1858.580	1841.060	1829.380	1816.240
36.0	1874.640	1842.520	1823.540	1811.860	1798.720
36.5	1857.120	1823.540	1806.020	1794.340	1779.740
37.0	1838.140	1806.020	1788.500	1776.820	1762.220
37.5	1820.620	1788.500	1769.520	1759.300	1744.700
38.0	1803.100	1769.520	1752.000	1740.320	1727.180
38.5	1784.120	1752.000	1733.020	1721.340	1708.200
39.0	1766.600	1733.020	1715.500	1703.820	1689.220
39.5	1747.620	1715.500	1696.520	1684.840	1671.700
40.0	1728.640	1696.520	1679.000	1667.320	1652.720
40.5	1709.660	1677.540	1660.020	1648.340	1633.740
41.0	1689.220	1658.560	1642.500	1629.360	1614.760
41.5	1671.700	1639.580	1623.520	1610.380	1595.780
42.0	1651.260	1620.600	1604.540	1591.400	1576.800
42.5	1632.280	1601.620	1585.560	1572.420	1557.820
43.0	1613.300	1581.180	1566.580	1553.440	1538.840
43.5	1594.320	1562.200	1546.140	1534.460	1519.860
44.0	1575.340	1543.220	1527.160	1514.020	1500.880
44.5	1556.360	1524.240	1508.180	1495.040	1481.900
45.0	1537.380	1505.260	1489.200	1476.060	1464.380
45.5	1518.400	1484.820	1468.760	1456.058	1445.108
46.0	1497.960	1465.840	1450.364	1437.370	1426.128
46.5	1478.980	1446.276	1431.092	1418.390	1407.002
47.0	1459.562	1427.296	1411.528	1399.264	1387.730
47.5	1440.436	1408.170	1392.694	1380.284	1369.188
48.0	1420.142	1388.606	1373.714	1361.158	1350.500
48.5	1401.016	1369.334	1354.734	1342.324	1331.374
49.0	1381.306	1350.062	1335.170	1323.052	1312.832
49.5	1361.596	1330.936	1316.628	1304.656	1293.706
50.0	1341.740	1311.810	1297.502	1285.822	1274.434
50.5	1322.468	1291.954	1278.084	1267.134	1255.600
51.0	1303.050	1272.974	1259.250	1248.592	1236.912
51.5	1283.632	1253.702	1240.124	1229.758	1218.078
52.0	1264.798	1234.430	1220.706	1211.070	1199.098
52.5	1245.526	1215.450	1201.726	1192.090	1180.556
53.0	1225.816	1196.324	1182.308	1173.256	1161.430
53.5	1206.398	1176.906	1163.182	1154.276	1142.742
54.0	1186.542	1158.072	1143.910	1135.442	1123.324
54.5	1166.978	1139.092	1124.784	1116.754	1109.308

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CANDELA TABULATION - (Cont.)

55.0	1147.268	1119.820	1109.308	1104.490	1095.438
55.5	1128.142	1104.198	1098.942	1090.912	1078.502
56.0	1109.454	1092.810	1079.670	1071.640	1059.376
56.5	1097.774	1074.998	1060.544	1052.076	1040.542
57.0	1081.422	1055.434	1041.418	1032.074	1020.832
57.5	1061.420	1036.308	1022.292	1013.240	1002.290
58.0	1041.710	1017.328	1003.312	994.260	983.018
58.5	1022.292	998.348	984.040	974.550	963.892
59.0	1002.582	978.784	964.914	955.862	945.350
59.5	983.602	959.658	946.226	936.736	927.100
60.0	964.768	940.678	927.100	918.340	908.558
60.5	945.788	922.282	908.412	899.360	889.870
61.0	926.954	903.156	889.724	880.818	871.766
61.5	908.412	884.760	871.620	861.984	853.224
62.0	889.724	866.510	853.370	843.442	834.682
62.5	871.036	847.968	834.974	825.484	816.578
63.0	852.202	829.864	817.162	807.380	798.474
63.5	833.660	811.468	799.642	789.860	780.370
64.0	814.972	793.218	781.830	772.194	762.558
64.5	795.846	775.552	764.164	755.112	745.330
65.0	777.450	757.010	746.352	737.884	728.540
65.5	758.324	739.052	728.686	720.802	711.896
66.0	739.636	721.240	711.166	704.158	695.398
66.5	720.510	702.844	693.208	687.076	678.462
67.0	701.092	684.594	675.542	670.140	661.964
67.5	682.258	666.344	657.730	652.912	644.736
68.0	662.840	647.948	639.772	635.538	627.362
68.5	643.276	629.552	621.814	617.288	609.696
69.0	624.150	611.302	603.564	599.184	592.030
69.5	604.440	592.760	585.168	581.080	573.780
70.0	584.584	574.218	566.918	562.538	555.384
70.5	564.874	555.676	548.814	544.434	537.280
71.0	545.164	536.550	530.710	526.330	519.176
71.5	525.746	517.862	512.460	508.372	501.510
72.0	506.328	499.320	494.648	490.706	484.282
72.5	486.618	480.778	476.836	473.040	466.762
73.0	468.076	462.382	459.608	455.958	449.972
73.5	449.242	444.716	442.380	438.584	433.182
74.0	431.138	426.758	425.298	421.940	416.392
74.5	413.180	409.238	408.508	405.150	399.748
75.0	395.222	392.010	392.156	388.506	383.396
75.5	377.994	375.074	375.366	372.154	367.336
76.0	361.058	358.430	359.306	355.948	351.714
76.5	343.976	341.932	343.100	340.180	335.946
77.0	327.624	325.434	327.186	324.412	320.470
77.5	311.418	309.520	311.272	308.790	304.994
78.0	295.358	293.606	295.650	293.606	289.956
78.5	279.590	277.984	280.320	278.422	275.210
79.0	263.822	262.654	264.990	263.384	260.464
79.5	248.346	247.470	250.098	248.784	246.010
80.0	233.600	232.870	235.352	234.330	231.702
80.5	219.000	218.416	220.752	220.168	217.686
81.0	204.254	204.108	206.736	206.152	204.108
81.5	189.946	189.946	193.012	192.574	190.530
82.0	176.076	176.368	179.142	178.996	177.244
82.5	162.790	163.374	165.856	165.418	164.250

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CANDELA TABULATION - (Cont.)

83.0	149.504	150.380	152.716	152.278	151.402
83.5	136.510	137.678	140.014	139.430	138.846
84.0	124.100	125.414	127.312	126.728	126.290
84.5	112.128	113.296	114.902	114.172	114.026
85.0	100.448	101.762	102.784	102.054	101.616
85.5	89.060	90.228	91.104	89.936	89.206
86.0	77.964	78.986	79.424	77.818	77.672
86.5	67.452	68.182	68.182	66.284	65.992
87.0	57.086	57.670	56.794	54.750	54.750
87.5	47.158	47.158	45.844	43.508	43.216
88.0	37.230	37.084	34.894	32.558	31.974
88.5	27.594	27.156	24.382	21.900	21.608
89.0	17.812	17.228	14.600	12.556	12.410
89.5	8.760	8.322	6.862	5.402	5.402
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-6-00-L10-RGB840-F-DMX-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	919.84	N.A.	14.10
0-30	1923.28	N.A.	29.50
0-40	3087.88	N.A.	47.40
0-60	5236.67	N.A.	80.50
0-80	6393.35	N.A.	98.20
0-90	6509.01	N.A.	100.00
10-90	6268.96	N.A.	96.30
20-40	2168.04	N.A.	33.30
20-50	3319.48	N.A.	51.00
40-70	2889.92	N.A.	44.40
60-80	1156.68	N.A.	17.80
70-80	415.55	N.A.	6.40
80-90	115.66	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	6509.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.05
10-20	679.79
20-30	1003.45
30-40	1164.6
40-50	1151.44
50-60	997.35
60-70	741.13
70-80	415.55
80-90	115.66
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
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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

X=2H	Y=2H	20.3	21.9	20.6	22.2	22.5	20.1	21.7	20.4	22.0	22.3
	3H	22.0	23.5	22.4	23.8	24.2	21.8	23.3	22.2	23.6	24.0
	4H	22.7	24.0	23.0	24.4	24.7	22.4	23.8	22.8	24.2	24.5
	6H	23.1	24.4	23.5	24.7	25.1	22.9	24.2	23.3	24.5	24.9
	8H	23.2	24.5	23.7	24.8	25.2	23.1	24.3	23.5	24.7	25.1
	12H	23.3	24.5	23.8	24.9	25.3	23.2	24.3	23.6	24.7	25.1

UGR Viewed Endwise

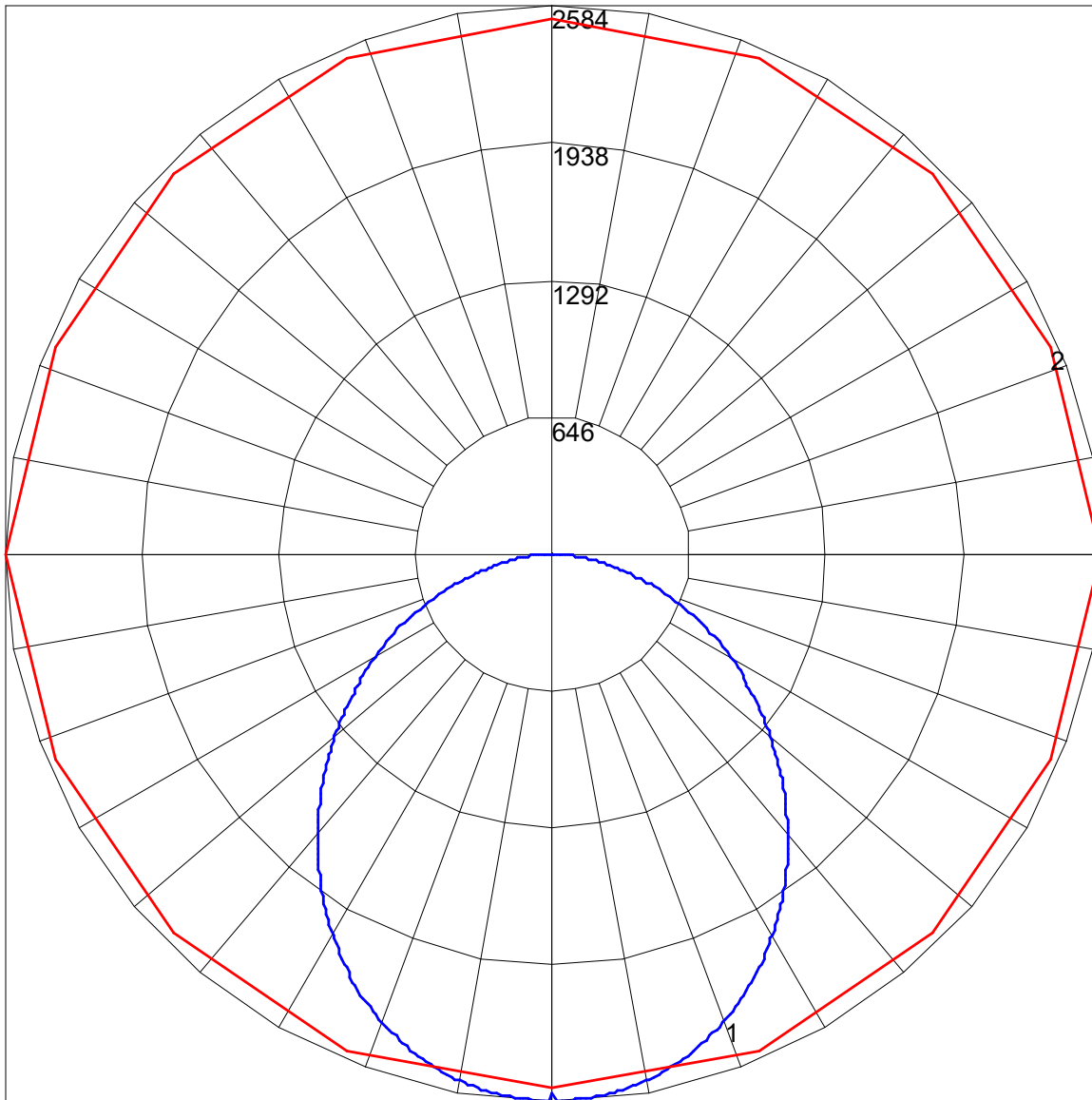
4H	2H	20.8	22.2	21.2	22.6	22.9	20.7	22.1	21.1	22.4	22.8
	3H	22.8	24.0	23.2	24.4	24.8	22.7	23.8	23.1	24.2	24.6
	4H	23.6	24.6	24.0	25.0	25.5	23.4	24.4	23.8	24.9	25.3
	6H	24.1	25.1	24.6	25.5	26.0	24.0	24.9	24.5	25.3	25.8
	8H	24.3	25.2	24.8	25.6	26.1	24.2	25.0	24.7	25.5	26.0
	12H	24.5	25.2	24.9	25.7	26.2	24.3	25.1	24.8	25.6	26.1

8H	4H	23.9	24.7	24.3	25.1	25.6	23.7	24.6	24.2	25.0	25.5
	6H	24.6	25.3	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	24.7	25.3	25.2	25.8	26.3
	12H	25.0	25.6	25.5	26.1	26.6	24.9	25.5	25.4	26.0	26.5

12H	4H	23.9	24.6	24.4	25.1	25.6	23.7	24.5	24.2	25.0	25.4
	6H	24.6	25.2	25.1	25.7	26.2	24.5	25.1	25.0	25.6	26.1
	8H	24.9	25.5	25.4	26.0	26.5	24.8	25.4	25.3	25.9	26.4

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 2584.2 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.)