



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4RX-4-00-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] MX4Rx-4'00-LXX/RGB835-F-DMX-UNV WHITE ONLY

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

[LAMP] 224 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	4213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	41.9
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)	3.93 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4RX-4-00-L10-RGB835-F-DMX-UNV\_.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11564	11201	11015
55	10638	10286	10158
65	9784	9393	9169
75	8122	8059	7879
85	6130	6272	6201

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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	1645.245	1645.245	1645.245	1645.245	1645.245
0.5	1672.650	1646.190	1637.685	1641.465	1634.850
1.0	1671.705	1645.245	1637.685	1642.410	1634.850
1.5	1671.705	1645.245	1637.685	1642.410	1634.850
2.0	1670.760	1645.245	1636.740	1641.465	1633.905
2.5	1669.815	1643.355	1636.740	1641.465	1633.905
3.0	1668.870	1642.410	1634.850	1640.520	1632.960
3.5	1667.925	1641.465	1633.905	1639.575	1632.015
4.0	1666.035	1639.575	1632.960	1638.630	1632.015
4.5	1664.145	1638.630	1631.070	1636.740	1630.125
5.0	1663.200	1636.740	1630.125	1635.795	1627.290
5.5	1661.310	1634.850	1628.235	1633.905	1625.400
6.0	1659.420	1632.960	1626.345	1632.015	1623.510
6.5	1657.530	1631.070	1624.455	1629.180	1620.675
7.0	1655.640	1627.290	1621.620	1626.345	1618.785
7.5	1652.805	1625.400	1619.730	1623.510	1615.005
8.0	1649.970	1622.565	1615.950	1620.675	1613.115
8.5	1646.190	1619.730	1613.115	1616.895	1609.335
9.0	1643.355	1615.950	1610.280	1614.060	1607.445
9.5	1639.575	1613.115	1606.500	1610.280	1602.720
10.0	1636.740	1610.280	1602.720	1606.500	1598.940
10.5	1632.015	1606.500	1598.940	1602.720	1595.160
11.0	1628.235	1602.720	1595.160	1597.995	1591.380
11.5	1624.455	1597.995	1590.435	1595.160	1586.655
12.0	1620.675	1594.215	1585.710	1589.490	1581.930
12.5	1615.005	1589.490	1580.985	1584.765	1577.205
13.0	1611.225	1584.765	1576.260	1580.040	1571.535
13.5	1605.555	1580.040	1570.590	1574.370	1566.810
14.0	1600.830	1574.370	1565.865	1568.700	1561.140
14.5	1595.160	1568.700	1560.195	1563.030	1556.415
15.0	1589.490	1563.975	1554.525	1558.305	1550.745
15.5	1583.820	1558.305	1548.855	1552.635	1545.075
16.0	1577.205	1551.690	1543.185	1546.020	1538.460
16.5	1571.535	1546.020	1536.570	1539.405	1532.790
17.0	1563.975	1539.405	1529.955	1533.735	1526.175
17.5	1558.305	1533.735	1523.340	1526.175	1519.560
18.0	1551.690	1527.120	1516.725	1519.560	1512.000
18.5	1545.075	1520.505	1509.165	1512.000	1504.440
19.0	1538.460	1513.890	1502.550	1504.440	1496.880
19.5	1531.845	1507.275	1495.935	1496.880	1489.320
20.0	1524.285	1499.715	1488.375	1489.320	1480.815
20.5	1516.725	1493.100	1480.815	1480.815	1472.310
21.0	1509.165	1485.540	1474.200	1473.255	1463.805
21.5	1501.605	1477.980	1465.695	1463.805	1454.355
22.0	1494.045	1470.420	1458.135	1455.300	1445.850
22.5	1485.540	1461.915	1450.575	1445.850	1437.345
23.0	1477.980	1454.355	1442.070	1436.400	1428.840
23.5	1469.475	1445.850	1433.565	1427.895	1420.335
24.0	1460.970	1437.345	1425.060	1418.445	1410.885
24.5	1452.465	1427.895	1415.610	1408.995	1401.435
25.0	1443.015	1419.390	1407.105	1400.490	1391.040
25.5	1434.510	1410.885	1397.655	1391.040	1382.535
26.0	1424.115	1401.435	1388.205	1381.590	1372.140
26.5	1414.665	1391.985	1378.755	1372.140	1362.690

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**CANDELA TABULATION - (Cont.)**

27.0	1405.215	1382.535	1369.305	1363.635	1353.240
27.5	1394.820	1372.140	1358.910	1354.185	1343.790
28.0	1385.370	1361.745	1349.460	1344.735	1335.285
28.5	1374.030	1352.295	1340.010	1335.285	1324.890
29.0	1364.580	1341.900	1329.615	1325.835	1315.440
29.5	1354.185	1331.505	1319.220	1314.495	1305.045
30.0	1344.735	1321.110	1309.770	1305.045	1296.540
30.5	1333.395	1310.715	1299.375	1294.650	1285.200
31.0	1323.000	1300.320	1288.980	1284.255	1275.750
31.5	1312.605	1289.925	1278.585	1273.860	1265.355
32.0	1302.210	1278.585	1268.190	1262.520	1254.960
32.5	1290.870	1268.190	1256.850	1252.125	1243.620
33.0	1280.475	1257.795	1246.455	1241.730	1233.225
33.5	1270.080	1246.455	1235.115	1229.445	1221.885
34.0	1258.740	1236.060	1224.720	1218.105	1209.600
34.5	1247.400	1224.720	1213.380	1206.765	1198.260
35.0	1236.060	1214.325	1202.040	1195.425	1186.920
35.5	1224.720	1202.985	1191.645	1184.085	1175.580
36.0	1213.380	1192.590	1180.305	1172.745	1164.240
36.5	1202.040	1180.305	1168.965	1161.405	1151.955
37.0	1189.755	1168.965	1157.625	1150.065	1140.615
37.5	1178.415	1157.625	1145.340	1138.725	1129.275
38.0	1167.075	1145.340	1134.000	1126.440	1117.935
38.5	1154.790	1134.000	1121.715	1114.155	1105.650
39.0	1143.450	1121.715	1110.375	1102.815	1093.365
39.5	1131.165	1110.375	1098.090	1090.530	1082.025
40.0	1118.880	1098.090	1086.750	1079.190	1069.740
40.5	1106.595	1085.805	1074.465	1066.905	1057.455
41.0	1093.365	1073.520	1063.125	1054.620	1045.170
41.5	1082.025	1061.235	1050.840	1042.335	1032.885
42.0	1068.795	1048.950	1038.555	1030.050	1020.600
42.5	1056.510	1036.665	1026.270	1017.765	1008.315
43.0	1044.225	1023.435	1013.985	1005.480	996.030
43.5	1031.940	1011.150	1000.755	993.195	983.745
44.0	1019.655	998.865	988.470	979.965	971.460
44.5	1007.370	986.580	976.185	967.680	959.175
45.0	995.085	974.295	963.900	955.395	947.835
45.5	982.800	961.065	950.670	942.448	935.361
46.0	969.570	948.780	938.763	930.352	923.076
46.5	957.285	936.117	926.289	918.067	910.696
47.0	944.716	923.832	913.626	905.688	898.222
47.5	932.337	911.452	901.435	893.403	886.221
48.0	919.201	898.789	889.150	881.023	874.125
48.5	906.822	886.315	876.865	868.833	861.745
49.0	894.064	873.841	864.202	856.359	849.744
49.5	881.307	861.462	852.201	844.452	837.364
50.0	868.455	849.082	839.821	832.261	824.890
50.5	855.981	836.230	827.253	820.165	812.700
51.0	843.412	823.945	815.062	808.164	800.604
51.5	830.844	811.471	802.683	795.973	788.413
52.0	818.653	798.997	790.114	783.877	776.128
52.5	806.179	786.712	777.829	771.592	764.127
53.0	793.422	774.333	765.261	759.402	751.747
53.5	780.853	761.764	752.881	747.117	739.651
54.0	768.001	749.574	740.407	734.926	727.083
54.5	755.338	737.289	728.028	722.830	718.011

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**CANDELA TABULATION - (Cont.)**

55.0	742.581	724.815	718.011	714.892	709.033
55.5	730.201	714.703	711.301	706.104	698.071
56.0	718.105	707.332	698.827	693.630	685.692
56.5	710.545	695.803	686.448	680.967	673.501
57.0	699.961	683.140	674.068	668.020	660.744
57.5	687.015	670.761	661.689	655.830	648.742
58.0	674.257	658.476	649.404	643.545	636.268
58.5	661.689	646.191	636.930	630.787	623.889
59.0	648.931	633.528	624.550	618.691	611.887
59.5	636.646	621.148	612.454	606.312	600.075
60.0	624.456	608.863	600.075	594.405	588.073
60.5	612.171	596.956	587.979	582.120	575.977
61.0	599.980	584.577	575.883	570.118	564.259
61.5	587.979	572.670	564.165	557.928	552.258
62.0	575.883	560.857	552.352	545.926	540.256
62.5	563.787	548.856	540.445	534.303	528.538
63.0	551.596	537.138	528.916	522.585	516.820
63.5	539.595	525.231	517.576	511.245	505.102
64.0	527.499	513.418	506.047	499.810	493.573
64.5	515.119	501.984	494.613	488.754	482.422
65.0	503.212	489.982	483.084	477.603	471.555
65.5	490.833	478.359	471.649	466.546	460.782
66.0	478.737	466.830	460.309	455.773	450.103
66.5	466.357	454.923	448.686	444.717	439.141
67.0	453.789	443.110	437.251	433.755	428.463
67.5	441.598	431.298	425.722	422.604	417.312
68.0	429.030	419.391	414.099	411.358	406.066
68.5	416.367	407.484	402.475	399.546	394.632
69.0	403.987	395.671	390.663	387.828	383.197
69.5	391.230	383.670	378.756	376.110	371.385
70.0	378.378	371.668	366.943	364.108	359.478
70.5	365.620	359.667	355.225	352.390	347.760
71.0	352.863	347.287	343.507	340.672	336.042
71.5	340.294	335.191	331.695	329.049	324.607
72.0	327.726	323.190	320.166	317.614	313.456
72.5	314.968	311.188	308.637	306.180	302.116
73.0	302.967	299.281	297.486	295.123	291.249
73.5	290.776	287.847	286.335	283.878	280.381
74.0	279.058	276.223	275.278	273.105	269.514
74.5	267.435	264.883	264.411	262.237	258.741
75.0	255.811	253.732	253.827	251.464	248.157
75.5	244.660	242.770	242.959	240.880	237.762
76.0	233.698	231.997	232.564	230.391	227.650
76.5	222.642	221.319	222.075	220.185	217.444
77.0	212.058	210.640	211.774	209.979	207.427
77.5	201.568	200.340	201.474	199.867	197.410
78.0	191.173	190.039	191.362	190.039	187.677
78.5	180.967	179.928	181.440	180.211	178.132
79.0	170.761	170.005	171.517	170.478	168.588
79.5	160.744	160.177	161.878	161.028	159.232
80.0	151.200	150.727	152.334	151.672	149.971
80.5	141.750	141.372	142.884	142.506	140.899
81.0	132.205	132.111	133.812	133.434	132.111
81.5	122.944	122.944	124.929	124.645	123.322
82.0	113.967	114.156	115.951	115.857	114.723
82.5	105.367	105.745	107.352	107.068	106.312

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**CANDELA TABULATION - (Cont.)**

83.0	96.768	97.335	98.847	98.563	97.996
83.5	88.357	89.113	90.625	90.247	89.869
84.0	80.325	81.175	82.404	82.026	81.742
84.5	72.576	73.332	74.371	73.899	73.804
85.0	65.016	65.866	66.528	66.055	65.772
85.5	57.645	58.401	58.968	58.212	57.739
86.0	50.463	51.124	51.408	50.368	50.274
86.5	43.659	44.131	44.131	42.903	42.714
87.0	36.949	37.327	36.760	35.437	35.437
87.5	30.523	30.523	29.673	28.161	27.972
88.0	24.097	24.003	22.585	21.073	20.695
88.5	17.860	17.577	15.781	14.175	13.986
89.0	11.529	11.151	9.450	8.127	8.032
89.5	5.670	5.386	4.441	3.496	3.496
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  
PHOTOMETRIC FILENAME : MX4RX-4-00-L10-RGB835-F-DMX-UNV\_.IES

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  
PHOTOMETRIC FILENAME : MX4RX-4-00-L10-RGB835-F-DMX-UNV\_.IES

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-4-00-L10-RGB835-F-DMX-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	595.37	N.A.	14.10
0-30	1244.87	N.A.	29.50
0-40	1998.66	N.A.	47.40
0-60	3389.49	N.A.	80.50
0-80	4138.16	N.A.	98.20
0-90	4213.02	N.A.	100.00
10-90	4057.65	N.A.	96.30
20-40	1403.29	N.A.	33.30
20-50	2148.57	N.A.	51.00
40-70	1870.53	N.A.	44.40
60-80	748.67	N.A.	17.80
70-80	268.97	N.A.	6.40
80-90	74.86	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	4213.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	155.37
10-20	440.00
20-30	649.49
30-40	753.80
40-50	745.28
50-60	645.55
60-70	479.70
70-80	268.97
80-90	74.86
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-4-00-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	82
2	97	89	83	77	95	88	81	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

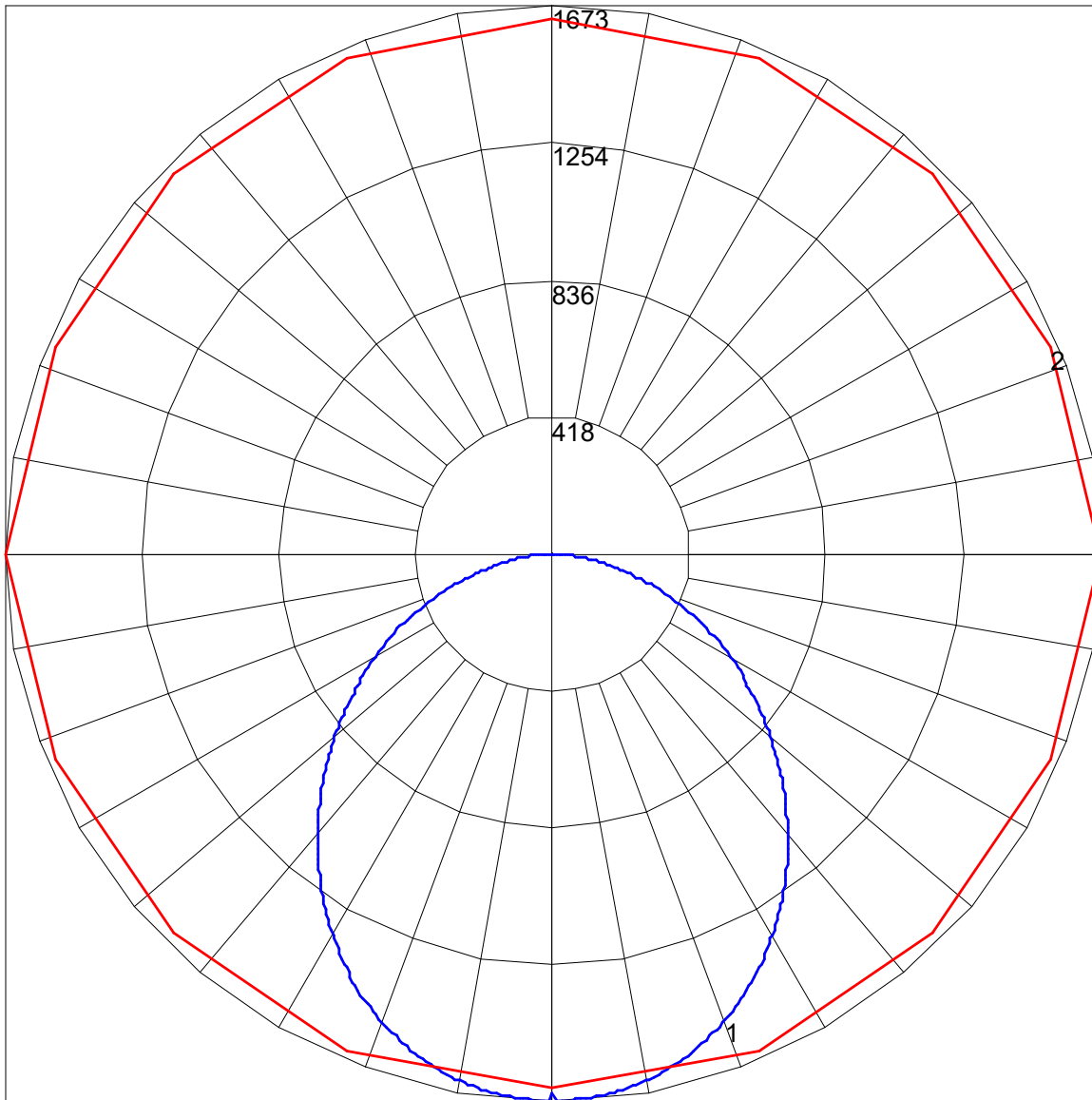
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MX4RX-4-00-L10-RGB835-F-DMX-UNV\_.IES**

**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	22.2	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 = 1672.65 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.)