



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-4-00-L10-940-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 10/29/2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MX2Rxxx-4-00-L10-940-F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, frosted plastic lens
 [LAMP] HLMX 90 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	40.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	23788	22074	20515
55	21283	19563	17976
65	18767	17173	15800
75	15574	14566	13584
85	11469	12341	12316

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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	1882.947	1882.947	1882.947	1882.947	1882.947
0.5	1880.248	1895.095	1880.248	1878.898	1876.198
1.0	1880.248	1895.095	1878.898	1878.898	1876.198
1.5	1880.248	1893.745	1878.898	1878.898	1874.849
2.0	1880.248	1893.745	1877.548	1877.548	1876.198
2.5	1878.898	1892.396	1876.198	1877.548	1874.849
3.0	1876.198	1891.046	1874.849	1876.198	1873.499
3.5	1876.198	1889.696	1873.499	1876.198	1872.149
4.0	1873.499	1888.346	1870.799	1873.499	1869.449
4.5	1872.149	1885.647	1869.449	1872.149	1866.750
5.0	1870.799	1882.947	1866.750	1869.449	1865.400
5.5	1868.100	1881.597	1864.050	1866.750	1862.700
6.0	1865.400	1878.898	1861.351	1864.050	1858.651
6.5	1862.700	1876.198	1858.651	1860.001	1855.952
7.0	1860.001	1872.149	1855.952	1857.301	1853.252
7.5	1855.952	1869.449	1851.902	1851.902	1849.203
8.0	1853.252	1865.400	1849.203	1847.853	1845.153
8.5	1849.203	1862.700	1845.153	1842.454	1839.754
9.0	1846.503	1858.651	1841.104	1838.404	1834.355
9.5	1842.454	1854.602	1837.055	1831.655	1828.956
10.0	1838.404	1849.203	1831.655	1826.256	1822.207
10.5	1834.355	1845.153	1827.606	1820.857	1815.458
11.0	1828.956	1841.104	1822.207	1814.108	1808.709
11.5	1823.557	1835.705	1816.808	1808.709	1800.610
12.0	1819.507	1830.306	1811.409	1800.610	1793.862
12.5	1814.108	1824.907	1804.660	1793.862	1784.413
13.0	1807.359	1819.507	1797.911	1785.763	1776.314
13.5	1803.310	1814.108	1789.812	1777.664	1768.216
14.0	1796.561	1807.359	1784.413	1769.565	1760.117
14.5	1789.812	1801.960	1776.314	1761.467	1750.668
15.0	1784.413	1793.862	1768.216	1752.018	1742.570
15.5	1777.664	1787.113	1760.117	1743.920	1733.121
16.0	1772.265	1780.364	1752.018	1734.471	1722.323
16.5	1765.516	1773.615	1743.920	1725.023	1712.875
17.0	1760.117	1766.866	1734.471	1715.574	1703.426
17.5	1752.018	1760.117	1725.023	1704.776	1692.628
18.0	1742.570	1753.368	1715.574	1693.978	1681.830
18.5	1734.471	1743.920	1706.126	1684.529	1671.031
19.0	1726.372	1735.821	1696.677	1673.731	1660.233
19.5	1716.924	1726.372	1685.879	1662.933	1648.085
20.0	1708.825	1716.924	1675.081	1650.785	1637.287
20.5	1699.377	1707.475	1665.632	1639.986	1625.139
21.0	1691.278	1698.027	1654.834	1627.838	1612.991
21.5	1683.179	1687.229	1644.036	1615.690	1600.843
22.0	1672.381	1677.780	1634.587	1602.192	1587.345
22.5	1662.933	1668.332	1622.439	1590.044	1573.847
23.0	1653.484	1657.533	1611.641	1576.546	1560.349
23.5	1644.036	1646.735	1600.843	1563.049	1545.501
24.0	1633.237	1637.287	1588.695	1549.551	1532.004
24.5	1622.439	1626.488	1576.546	1536.053	1518.506
25.0	1611.641	1615.690	1564.398	1522.555	1505.008
25.5	1600.843	1603.542	1550.901	1509.057	1491.510
26.0	1588.695	1592.744	1537.403	1495.560	1476.663
26.5	1577.896	1580.596	1525.255	1480.712	1463.165

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CANDELA TABULATION - (Cont.)

27.0	1565.748	1568.448	1511.757	1467.214	1448.317
27.5	1553.600	1556.300	1498.259	1453.716	1434.819
28.0	1540.102	1544.152	1486.111	1440.218	1421.321
28.5	1527.954	1530.654	1471.263	1425.371	1406.474
29.0	1514.456	1517.156	1457.766	1411.873	1392.976
29.5	1502.308	1505.008	1444.268	1398.375	1378.128
30.0	1488.811	1491.510	1429.420	1383.528	1364.631
30.5	1475.313	1478.012	1415.922	1370.030	1349.243
31.0	1461.815	1463.165	1401.075	1355.182	1334.800
31.5	1448.317	1448.317	1386.227	1340.334	1319.953
32.0	1433.469	1433.469	1370.030	1325.082	1305.510
32.5	1419.972	1419.972	1355.182	1309.154	1289.853
33.0	1406.474	1403.774	1340.469	1293.497	1274.195
33.5	1391.626	1388.927	1324.947	1277.435	1259.078
34.0	1378.128	1374.079	1309.289	1261.507	1243.690
34.5	1364.631	1359.231	1294.037	1245.580	1227.358
35.0	1349.783	1343.709	1278.244	1229.112	1211.025
35.5	1335.745	1328.321	1262.452	1213.050	1194.153
36.0	1321.303	1312.529	1247.064	1196.718	1176.876
36.5	1306.455	1297.411	1231.137	1179.980	1159.464
37.0	1292.147	1281.484	1215.480	1163.783	1141.646
37.5	1276.760	1266.096	1199.417	1146.911	1123.829
38.0	1261.237	1250.709	1183.355	1130.308	1106.147
38.5	1246.120	1235.186	1167.427	1113.841	1088.870
39.0	1230.867	1219.529	1151.095	1096.834	1071.188
39.5	1214.805	1204.546	1134.897	1080.501	1054.450
40.0	1198.877	1188.889	1118.970	1063.629	1040.953
40.5	1183.895	1173.231	1103.043	1048.511	1025.160
41.0	1167.562	1157.844	1087.520	1033.799	1009.773
41.5	1152.040	1142.321	1071.458	1017.871	994.655
42.0	1136.517	1126.934	1055.260	1002.619	980.077
42.5	1120.860	1110.871	1041.358	987.636	966.175
43.0	1105.877	1095.889	1027.995	973.059	952.677
43.5	1091.030	1080.366	1013.012	959.831	941.609
44.0	1075.642	1064.979	998.164	947.278	928.111
44.5	1059.850	1049.591	983.857	934.455	914.613
45.0	1044.867	1034.474	969.549	920.822	901.115
45.5	1029.749	1021.921	957.131	907.324	887.752
46.0	1015.172	1006.668	944.578	893.961	874.254
46.5	1000.999	991.416	930.540	880.463	860.892
47.0	991.011	977.918	916.503	867.101	847.529
47.5	976.163	963.070	902.465	853.603	834.031
48.0	961.315	949.437	888.292	840.240	820.803
48.5	946.468	934.590	874.254	826.607	807.440
49.0	931.890	919.742	860.082	813.244	794.347
49.5	917.312	905.029	846.044	799.881	781.254
50.0	902.870	890.317	832.006	786.653	768.296
50.5	888.292	875.604	817.968	773.561	755.474
51.0	873.714	861.027	804.066	760.468	742.516
51.5	859.137	846.314	790.163	747.240	729.828
52.0	844.559	831.736	776.530	734.147	717.005
52.5	829.982	817.429	763.032	721.189	704.182
53.0	815.269	803.256	749.669	708.231	691.494
53.5	800.961	789.083	736.442	695.273	678.671
54.0	786.653	774.910	723.214	682.450	665.848
54.5	772.481	760.873	710.121	669.627	652.890

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55.0	758.308	746.970	697.028	657.074	640.472
55.5	744.270	733.067	683.800	644.521	627.784
56.0	730.233	719.434	670.707	631.968	615.636
56.5	716.465	705.802	657.614	619.550	603.353
57.0	702.697	692.169	644.656	607.267	591.340
57.5	689.199	678.671	631.563	595.119	579.462
58.0	675.566	665.173	618.606	583.106	567.719
58.5	662.338	651.675	605.783	571.093	555.976
59.0	648.976	638.312	593.230	559.350	544.367
59.5	635.613	625.219	580.812	547.607	532.759
60.0	622.250	612.127	568.664	535.999	521.421
60.5	609.022	599.034	556.381	524.526	510.218
61.0	595.929	585.941	544.232	513.187	499.150
61.5	582.836	572.983	532.084	501.849	488.351
62.0	569.743	560.160	520.341	490.781	477.553
62.5	556.785	547.202	508.598	479.848	466.890
63.0	543.693	534.514	496.855	468.915	456.362
63.5	530.735	521.826	485.382	458.116	445.968
64.0	517.912	509.138	473.774	447.183	435.575
64.5	505.224	496.585	462.301	436.385	425.182
65.0	492.671	484.032	450.828	425.587	414.788
65.5	480.118	471.614	439.354	414.788	404.260
66.0	467.430	459.331	427.881	404.125	392.517
66.5	455.012	446.913	416.543	393.327	382.124
67.0	442.459	434.630	405.205	382.528	371.730
67.5	430.041	422.347	393.867	371.865	361.472
68.0	417.623	410.064	382.528	361.202	351.349
68.5	405.340	397.916	371.055	350.809	341.090
69.0	393.057	385.633	359.852	340.280	331.102
69.5	380.639	373.485	348.649	330.022	321.113
70.0	368.356	361.472	337.716	319.764	311.260
70.5	356.208	349.594	326.782	309.775	301.542
71.0	343.925	337.446	316.254	299.787	291.958
71.5	331.912	325.703	305.591	289.933	282.375
72.0	320.034	313.960	295.063	280.215	273.061
72.5	308.155	302.486	284.669	270.631	263.613
73.0	296.547	291.148	274.411	261.048	254.434
73.5	284.669	279.810	264.153	251.735	245.256
74.0	273.061	268.742	254.029	242.286	236.212
74.5	261.723	257.674	244.041	233.108	227.303
75.0	250.385	247.010	234.187	223.929	218.395
75.5	239.182	236.212	224.469	214.885	209.621
76.0	228.248	225.549	214.885	205.977	201.253
76.5	217.450	215.020	205.437	197.203	192.749
77.0	206.787	204.762	195.988	188.565	184.245
77.5	196.258	194.639	186.810	180.061	176.147
78.0	185.865	184.650	177.631	171.692	168.183
78.5	175.742	174.797	168.858	163.459	160.219
79.0	165.753	165.213	160.219	155.360	152.390
79.5	156.035	155.765	151.581	147.396	144.697
80.0	146.451	146.451	143.212	139.568	137.003
80.5	137.138	137.408	134.978	131.874	129.579
81.0	127.824	128.499	126.880	124.180	122.155
81.5	118.916	119.726	118.916	116.621	114.867
82.0	110.142	111.222	111.087	109.197	107.713
82.5	101.504	102.853	103.258	101.909	100.559

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CANDELA TABULATION - (Cont.)

83.0	93.270	94.620	95.565	94.755	93.675
83.5	85.171	86.791	88.141	87.736	86.791
84.0	77.208	78.962	80.852	80.717	80.042
84.5	69.514	71.538	73.698	73.968	73.293
85.0	62.090	64.250	66.814	67.354	66.679
85.5	54.936	57.366	60.065	60.740	60.200
86.0	47.917	50.482	53.316	54.396	53.991
86.5	41.303	43.868	46.837	48.052	47.647
87.0	34.824	37.389	40.359	41.843	41.573
87.5	28.615	31.180	34.150	35.904	35.769
88.0	22.541	25.106	28.210	30.235	30.370
88.5	16.467	19.167	22.541	24.836	25.106
89.0	10.393	13.363	16.872	19.437	19.437
89.5	4.589	8.234	11.608	13.903	14.038
90.0	0.810	4.049	7.694	10.258	11.068
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 : MX2RX-4-00-L10-940-F-DIM-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
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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 : MX2RX-4-00-L10-940-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	675.62	N.A.	15.50
0-30	1395.03	N.A.	32.10
0-40	2195.77	N.A.	50.50
0-60	3575.68	N.A.	82.20
0-80	4274.83	N.A.	98.30
0-90	4349.48	N.A.	100.00
10-90	4171.96	N.A.	95.90
20-40	1520.15	N.A.	34.90
20-50	2273.2	N.A.	52.30
40-70	1829.18	N.A.	42.10
60-80	699.15	N.A.	16.10
70-80	249.88	N.A.	5.70
80-90	74.64	N.A.	1.70
90-110	0.19	N.A.	0.00
90-120	0.19	N.A.	0.00
90-130	0.19	N.A.	0.00
90-150	0.19	N.A.	0.00
90-180	0.19	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4349.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.51
10-20	498.11
20-30	719.42
30-40	800.74
40-50	753.04
50-60	626.87
60-70	449.27
70-80	249.88
80-90	74.64
90-100	0.19
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 : MX2RX-4-00-L10-940-F-DIM-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2RX-4-00-L10-940-F-DIM-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	22.5	24.1	22.9	24.4	24.7	21.6	23.1	21.9	23.4	23.8
	3H	24.2	25.6	24.6	25.9	26.3	23.2	24.6	23.6	24.9	25.3
	4H	24.8	26.1	25.2	26.5	26.8	23.8	25.1	24.2	25.5	25.9
	6H	25.2	26.4	25.6	26.8	27.2	24.3	25.5	24.7	25.9	26.3
	8H	25.3	26.5	25.8	26.9	27.3	24.5	25.6	24.9	26.0	26.4
	12H	25.4	26.5	25.8	26.9	27.4	24.6	25.7	25.0	26.1	26.5

UGR Viewed Endwise

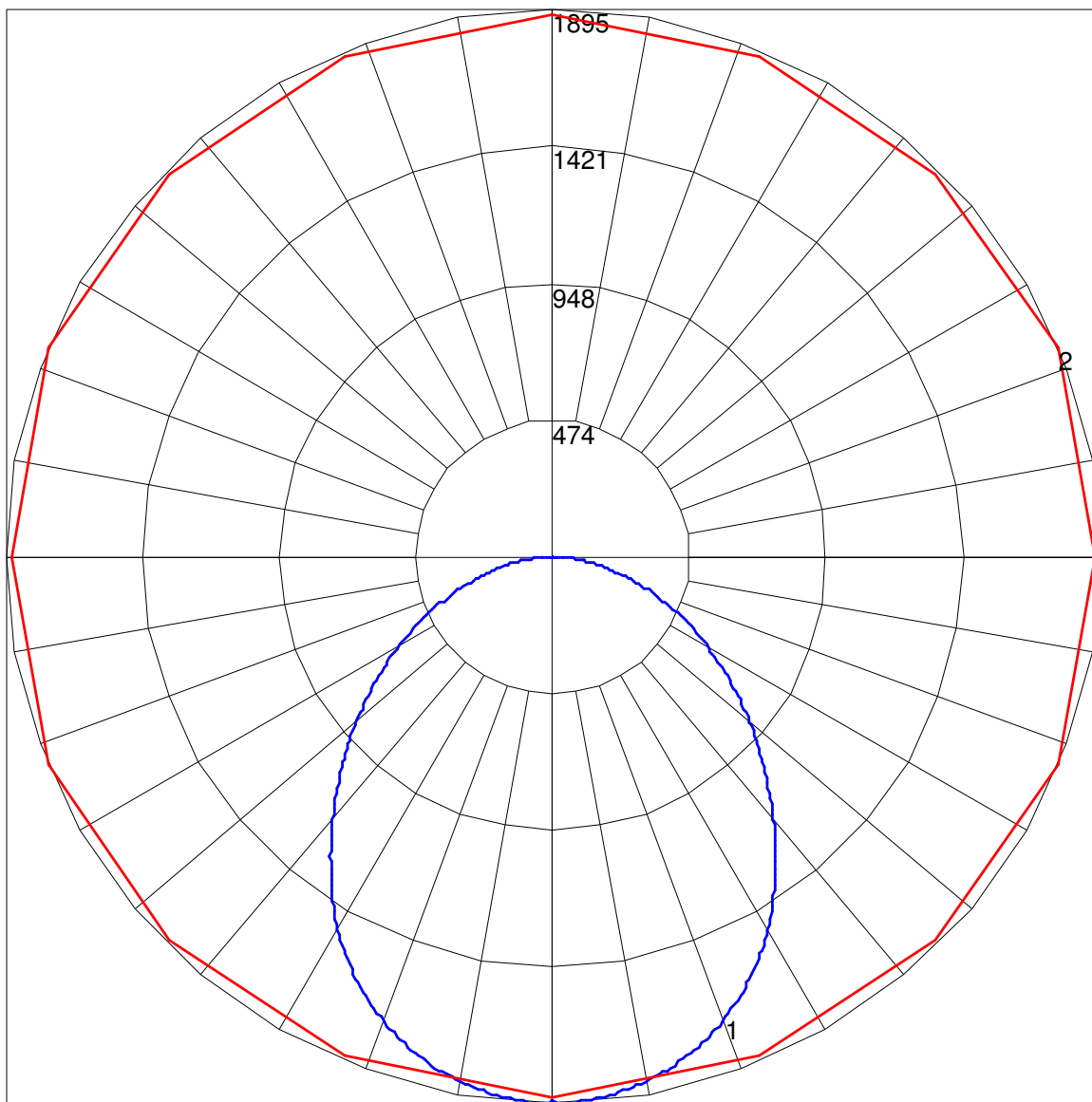
4H	2H	23.0	24.3	23.4	24.7	25.1	22.2	23.6	22.6	23.9	24.3
	3H	24.9	26.0	25.3	26.4	26.8	24.1	25.2	24.5	25.6	26.0
	4H	25.6	26.6	26.1	27.0	27.5	24.8	25.8	25.2	26.2	26.7
	6H	26.2	27.1	26.6	27.5	28.0	25.4	26.3	25.9	26.7	27.2
	8H	26.4	27.2	26.8	27.6	28.1	25.6	26.4	26.1	26.9	27.4
	12H	26.5	27.2	27.0	27.7	28.2	25.8	26.5	26.3	27.0	27.5

8H	4H	25.9	26.7	26.3	27.1	27.6	25.1	26.0	25.6	26.4	26.9
	6H	26.5	27.2	27.0	27.7	28.2	25.9	26.5	26.4	27.0	27.5
	8H	26.8	27.4	27.3	27.9	28.4	26.2	26.8	26.7	27.3	27.8
	12H	27.0	27.5	27.5	28.0	28.6	26.4	27.0	26.9	27.5	28.0

12H	4H	25.9	26.6	26.4	27.1	27.6	25.2	25.9	25.7	26.4	26.9
	6H	26.6	27.2	27.1	27.7	28.2	25.9	26.6	26.5	27.0	27.6
	8H	26.9	27.4	27.4	27.9	28.5	26.3	26.8	26.8	27.3	27.9

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 1895.095 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.)