

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15177918.03 & #15177918.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 2026-03-03

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_

[LUMINAIRE] White linear extruded luminaire with up and downlight

[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)

[OTHER] This test was performed using the calibrated photodetector

[MORE] method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8899
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	92.4
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11958	11659	11526
55	10992	10726	10613
65	10139	9894	9787
75	8598	8593	8589
85	6715	6985	7187

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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	1735.137	1735.137	1735.137	1735.137	1735.137
0.5	1761.339	1736.593	1727.859	1731.498	1725.675
1.0	1761.339	1735.865	1727.859	1731.498	1725.675
1.5	1760.611	1735.137	1727.131	1731.498	1724.947
2.0	1759.883	1734.409	1726.403	1730.770	1724.947
2.5	1759.155	1733.681	1724.947	1730.042	1724.220
3.0	1757.700	1732.226	1724.220	1729.314	1722.764
3.5	1756.244	1730.770	1722.764	1727.859	1721.308
4.0	1754.788	1729.314	1721.308	1726.403	1719.853
4.5	1753.333	1727.131	1719.853	1724.947	1717.669
5.0	1751.877	1725.675	1717.669	1722.764	1715.486
5.5	1749.693	1723.492	1715.486	1720.580	1713.302
6.0	1747.510	1720.580	1713.302	1718.397	1710.391
6.5	1744.599	1718.397	1710.391	1715.486	1708.207
7.0	1742.415	1715.486	1708.207	1712.574	1705.296
7.5	1740.232	1712.574	1705.296	1709.663	1703.113
8.0	1736.593	1709.663	1701.657	1706.752	1700.201
8.5	1733.681	1706.024	1698.018	1703.113	1696.562
9.0	1730.042	1703.113	1695.106	1699.473	1692.923
9.5	1726.403	1699.473	1690.740	1695.106	1689.284
10.0	1722.764	1695.834	1687.100	1691.467	1684.917
10.5	1718.397	1691.467	1682.733	1687.100	1681.278
11.0	1714.758	1687.100	1678.366	1682.733	1676.183
11.5	1709.663	1682.733	1674.000	1678.366	1671.816
12.0	1705.296	1678.366	1669.633	1673.272	1666.721
12.5	1700.929	1673.272	1664.538	1668.177	1661.626
13.0	1695.834	1668.905	1659.443	1663.082	1656.532
13.5	1690.740	1663.082	1654.348	1657.260	1651.437
14.0	1685.645	1657.987	1648.526	1652.165	1646.342
14.5	1680.550	1652.893	1642.703	1646.342	1640.520
15.0	1675.455	1647.070	1636.880	1640.520	1634.697
15.5	1668.905	1641.975	1631.058	1633.969	1628.146
16.0	1661.626	1636.153	1624.507	1628.146	1622.324
16.5	1654.348	1629.602	1617.957	1621.596	1615.773
17.0	1647.798	1623.052	1611.406	1615.046	1609.223
17.5	1640.520	1615.773	1604.128	1607.767	1601.945
18.0	1633.241	1608.495	1596.850	1600.489	1594.667
18.5	1625.963	1601.217	1589.572	1592.483	1587.388
19.0	1618.685	1593.939	1583.021	1585.205	1578.654
19.5	1610.679	1586.660	1575.743	1576.471	1569.920
20.0	1603.400	1578.654	1569.193	1568.465	1561.187
20.5	1595.394	1571.376	1561.914	1559.731	1552.453
21.0	1587.388	1563.370	1553.908	1550.997	1542.991
21.5	1578.654	1555.364	1545.174	1542.263	1533.529
22.0	1570.648	1546.630	1535.713	1532.801	1524.795
22.5	1561.914	1537.896	1526.979	1523.340	1515.333
23.0	1553.180	1529.162	1518.245	1513.150	1505.872
23.5	1544.447	1520.428	1508.783	1503.688	1497.138
24.0	1534.985	1511.694	1500.049	1494.227	1487.676
24.5	1525.523	1502.233	1490.587	1484.765	1478.214
25.0	1516.789	1492.771	1481.126	1475.303	1468.753
25.5	1507.327	1483.309	1470.936	1465.841	1458.563
26.0	1497.138	1473.120	1461.474	1456.380	1449.101
26.5	1487.676	1463.658	1451.285	1446.918	1439.640

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1477.487	1453.468	1441.095	1437.456	1429.450
27.5	1467.297	1443.279	1431.634	1427.994	1419.988
28.0	1457.107	1432.361	1420.716	1417.805	1409.799
28.5	1446.190	1421.444	1410.527	1408.343	1399.609
29.0	1435.273	1411.254	1400.337	1398.154	1389.420
29.5	1425.083	1400.337	1390.147	1387.236	1379.958
30.0	1414.166	1389.420	1379.958	1377.047	1369.768
30.5	1403.248	1378.502	1369.040	1366.857	1359.579
31.0	1391.603	1368.313	1358.123	1355.940	1349.389
31.5	1380.686	1357.395	1347.206	1345.022	1338.472
32.0	1369.040	1345.750	1336.288	1333.377	1327.554
32.5	1357.395	1334.833	1325.371	1322.460	1315.909
33.0	1345.750	1323.915	1314.454	1311.542	1304.264
33.5	1334.833	1312.270	1302.808	1299.897	1293.347
34.0	1322.460	1300.625	1291.891	1288.252	1281.701
34.5	1310.814	1288.980	1279.518	1276.607	1269.328
35.0	1299.169	1278.062	1267.873	1264.961	1256.955
35.5	1286.796	1265.689	1256.227	1253.316	1244.582
36.0	1274.423	1254.044	1244.582	1240.943	1232.937
36.5	1262.778	1242.399	1232.937	1229.298	1221.292
37.0	1250.405	1230.026	1220.564	1216.925	1208.919
37.5	1238.032	1217.653	1208.919	1204.552	1197.274
38.0	1224.931	1205.280	1196.546	1192.179	1184.901
38.5	1212.558	1192.907	1184.173	1180.534	1172.527
39.0	1200.913	1180.534	1171.800	1168.161	1160.882
39.5	1187.812	1168.161	1160.154	1155.787	1147.781
40.0	1175.439	1155.060	1147.781	1143.414	1136.136
40.5	1162.338	1142.687	1135.408	1131.041	1123.763
41.0	1149.965	1129.586	1123.035	1117.941	1110.662
41.5	1136.864	1117.213	1109.934	1105.568	1097.561
42.0	1124.491	1104.112	1097.561	1093.194	1085.188
42.5	1112.118	1091.739	1085.188	1080.094	1072.815
43.0	1099.017	1079.366	1072.815	1067.721	1059.714
43.5	1086.644	1066.265	1059.714	1055.348	1047.341
44.0	1073.543	1053.164	1046.614	1042.247	1034.968
44.5	1060.442	1040.063	1033.513	1029.146	1021.868
45.0	1047.341	1027.690	1021.140	1016.045	1009.494
45.5	1034.968	1014.589	1008.039	1003.672	997.121
46.0	1021.868	1001.488	994.938	990.571	984.748
46.5	1008.767	988.388	982.565	978.198	972.375
47.0	995.666	975.287	969.464	965.097	959.275
47.5	981.837	962.186	956.363	951.996	946.901
48.0	968.736	949.085	943.262	939.623	933.801
48.5	955.635	935.984	930.889	926.522	920.700
49.0	941.807	922.883	917.788	913.421	908.327
49.5	928.706	909.782	904.688	901.048	895.954
50.0	914.877	896.681	891.587	887.948	882.853
50.5	901.048	883.581	878.486	874.847	870.480
51.0	887.220	870.480	865.385	861.746	857.379
51.5	874.119	857.379	852.284	849.373	844.278
52.0	861.018	844.278	839.183	836.272	831.905
52.5	847.189	831.177	826.082	823.899	818.804
53.0	834.088	818.076	812.982	810.798	805.703
53.5	820.260	804.975	799.881	797.697	792.602
54.0	807.159	791.875	787.508	785.324	779.502
54.5	794.058	779.502	774.407	772.223	766.401

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55.0	780.957	767.128	762.034	759.850	754.028
55.5	768.584	754.028	748.933	746.749	741.655
56.0	754.755	740.927	735.832	734.376	728.554
56.5	741.655	728.554	723.095	721.494	715.744
57.0	729.282	715.453	710.212	708.466	703.007
57.5	716.472	702.789	697.403	695.802	690.124
58.0	703.662	690.270	684.520	683.065	677.388
58.5	690.780	677.679	671.856	670.546	665.160
59.0	678.115	665.015	659.119	657.882	652.714
59.5	665.815	652.205	646.164	645.290	640.414
60.0	653.224	639.468	633.354	632.626	627.895
60.5	640.778	627.022	620.981	619.889	615.231
61.0	628.550	614.576	608.681	607.443	602.858
61.5	615.450	602.276	596.453	595.070	590.631
62.0	602.567	589.612	583.789	582.770	578.112
62.5	589.393	577.894	571.853	571.052	566.249
63.0	576.729	567.559	562.682	562.318	558.388
63.5	563.919	556.277	552.420	551.619	547.543
64.0	556.205	545.287	541.794	540.192	535.534
64.5	544.195	533.569	529.784	528.329	523.962
65.0	530.731	521.051	517.921	516.538	512.317
65.5	516.975	508.386	505.548	504.893	500.599
66.0	503.728	496.013	493.466	493.175	488.590
66.5	490.627	483.349	481.166	481.166	477.090
67.0	477.672	470.758	469.011	469.229	465.517
67.5	464.935	458.385	456.784	457.220	453.581
68.0	452.053	446.012	444.556	445.138	441.354
68.5	439.097	433.420	432.256	433.056	429.344
69.0	425.705	420.756	419.883	420.319	416.899
69.5	412.677	408.310	407.291	407.801	404.671
70.0	399.795	395.719	394.991	395.209	392.444
70.5	387.131	383.055	382.545	382.764	380.143
71.0	374.175	370.463	370.318	370.609	367.770
71.5	361.220	357.872	358.163	358.381	355.907
72.0	348.629	345.208	345.790	346.081	343.971
72.5	336.037	332.762	333.708	333.999	332.253
73.0	323.591	320.607	321.917	322.281	320.753
73.5	311.509	308.598	310.127	310.782	309.108
74.0	299.573	296.589	298.481	298.991	297.899
74.5	287.637	284.798	286.909	287.418	286.618
75.0	275.628	273.080	275.482	275.992	275.337
75.5	263.764	261.362	264.128	264.783	264.055
76.0	251.755	250.081	252.919	253.647	253.065
76.5	240.401	238.945	241.784	242.584	242.075
77.0	229.338	227.737	230.866	231.594	230.794
77.5	217.911	216.819	219.949	220.531	219.731
78.0	206.775	205.902	209.032	209.905	209.104
78.5	195.712	195.276	198.260	199.279	198.624
79.0	185.086	184.649	187.706	188.944	188.434
79.5	174.460	174.242	177.298	178.608	178.172
80.0	163.979	164.052	166.890	168.710	168.128
80.5	153.426	154.081	156.992	158.739	158.302
81.0	143.309	144.328	147.166	148.986	148.695
81.5	133.556	134.648	137.559	139.379	139.160
82.0	124.458	125.186	128.170	130.062	129.844
82.5	115.360	116.015	118.927	120.819	120.674

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83.0	106.263	107.282	109.829	111.794	111.940
83.5	97.310	98.548	101.022	102.915	103.351
84.0	88.940	89.959	92.288	94.108	94.763
84.5	80.425	81.516	83.700	85.520	86.175
85.0	72.491	73.365	75.403	77.004	77.586
85.5	64.777	65.213	66.960	68.634	69.216
86.0	57.207	57.353	58.881	60.410	61.137
86.5	49.711	49.711	51.093	52.476	53.131
87.0	42.141	42.141	43.160	44.907	45.416
87.5	34.645	34.717	35.663	37.410	38.065
88.0	27.512	27.439	28.385	30.278	31.005
88.5	20.670	20.234	21.471	23.145	24.164
89.0	13.392	13.174	14.848	16.449	17.541
89.5	6.187	7.351	8.879	10.117	10.481
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.578	2.413	2.227	2.165	2.351
91.0	10.084	5.320	4.331	4.269	4.207
91.5	16.209	10.826	6.434	6.372	6.310
92.0	22.395	18.003	9.280	8.290	8.290
92.5	28.829	25.427	14.353	10.393	10.208
93.0	35.511	32.541	20.292	13.796	12.435
93.5	42.254	39.346	26.664	18.621	16.209
94.0	48.874	46.028	33.717	24.375	21.343
94.5	55.679	52.709	41.078	30.314	26.911
95.0	62.360	59.576	48.317	36.377	32.417
95.5	69.042	66.010	55.369	42.625	38.233
96.0	75.414	72.568	62.298	49.121	44.172
96.5	81.848	79.126	69.227	55.741	50.296
97.0	88.096	85.560	76.094	62.360	56.792
97.5	94.530	92.055	83.023	69.103	63.288
98.0	100.902	98.428	89.766	75.785	69.846
98.5	107.274	104.862	96.262	82.590	76.404
99.0	113.770	111.481	102.882	89.086	83.023
99.5	120.328	118.039	109.563	95.582	89.519
100.0	126.762	124.658	116.245	102.263	95.891
100.5	133.443	131.278	122.926	109.192	102.325
101.0	140.310	137.898	129.731	116.183	109.316
101.5	147.301	144.641	136.660	123.174	116.554
102.0	154.106	151.632	143.589	130.164	123.730
102.5	161.221	158.561	150.765	137.155	130.845
103.0	168.521	165.737	157.880	144.084	138.083
103.5	175.821	173.037	165.428	151.508	145.259
104.0	183.307	180.399	173.099	159.179	152.745
104.5	191.040	188.070	180.770	167.036	160.231
105.0	198.958	195.927	188.380	174.769	167.840
105.5	207.063	203.908	196.236	182.564	175.388
106.0	215.291	211.950	204.217	190.483	182.935
106.5	223.581	220.240	212.569	198.464	190.545
107.0	232.428	228.901	221.477	206.939	198.835
107.5	241.584	237.810	230.510	215.910	207.805
108.0	250.678	246.966	239.728	225.622	217.023
108.5	260.267	256.308	248.946	235.335	226.550
109.0	270.103	265.835	258.411	245.172	236.201
109.5	280.187	275.733	268.371	254.946	245.976
110.0	290.952	285.879	278.579	264.969	256.184
110.5	301.964	296.272	289.034	275.733	266.763

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111.0	313.100	307.161	299.861	286.931	277.404
111.5	324.483	318.358	310.873	298.314	288.354
112.0	336.299	329.865	321.823	309.697	298.809
112.5	348.177	341.681	332.897	321.019	309.883
113.0	360.612	353.869	344.589	332.711	321.452
113.5	373.418	366.613	356.962	345.332	333.886
114.0	386.410	379.605	370.078	358.756	347.682
114.5	399.835	393.030	383.441	372.738	362.344
115.0	413.445	406.826	397.298	386.843	377.192
115.5	427.674	420.745	411.527	400.886	391.854
116.0	442.027	435.222	426.251	415.672	406.764
116.5	457.184	450.069	441.470	430.829	422.663
117.0	472.959	465.226	456.813	447.162	439.057
117.5	484.590	477.043	470.856	462.195	455.699
118.0	499.438	490.838	485.271	477.723	470.485
118.5	516.698	507.295	499.995	492.138	483.786
119.0	533.587	523.503	516.698	508.470	498.572
119.5	550.662	540.764	534.392	525.050	515.152
120.0	568.294	558.643	552.147	543.176	532.659
120.5	585.802	576.769	570.459	562.417	551.343
121.0	604.176	595.267	588.895	581.595	571.201
121.5	622.364	613.579	607.269	601.020	590.627
122.0	641.542	632.262	626.694	620.508	610.115
122.5	660.102	650.822	645.873	639.686	628.550
123.0	679.280	670.619	665.670	660.720	648.966
123.5	699.077	690.416	686.704	681.755	670.000
124.0	718.874	710.831	707.119	702.789	691.653
124.5	738.670	730.628	727.535	723.204	712.687
125.0	758.467	750.425	747.332	743.620	733.103
125.5	778.883	770.840	767.747	764.035	752.899
126.0	798.680	790.637	788.781	784.451	772.696
126.5	818.477	810.434	809.815	806.104	793.731
127.0	838.892	830.850	830.850	827.756	816.002
127.5	859.308	850.646	850.646	848.791	838.273
128.0	879.104	870.443	871.062	869.825	859.308
128.5	898.901	889.622	890.859	890.859	879.723
129.0	918.698	908.800	910.656	911.274	900.757
129.5	938.495	928.597	931.071	932.309	922.410
130.0	958.292	948.394	951.487	953.343	945.300
130.5	978.089	967.572	972.521	973.758	966.953
131.0	997.886	986.750	992.318	993.555	986.750
131.5	1016.445	1005.309	1012.115	1012.115	1005.928
132.0	1035.623	1023.869	1031.293	1031.912	1024.488
132.5	1054.183	1043.047	1050.471	1051.090	1043.047
133.0	1072.743	1062.225	1069.031	1070.268	1060.988
133.5	1091.302	1080.785	1088.209	1089.446	1080.166
134.0	1109.862	1098.726	1106.150	1108.006	1098.726
134.5	1126.565	1116.667	1123.472	1124.709	1116.667
135.0	1143.269	1133.989	1140.176	1141.413	1132.752
135.5	1159.354	1151.930	1156.879	1157.498	1148.837
136.0	1175.439	1168.634	1172.346	1174.201	1165.540
136.5	1192.142	1184.719	1187.812	1190.905	1182.863
137.0	1207.609	1200.804	1203.897	1206.371	1198.948
137.5	1223.075	1215.651	1218.744	1220.600	1213.177
138.0	1237.923	1230.499	1232.973	1234.211	1226.787
138.5	1252.770	1244.728	1247.202	1247.821	1239.779

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1266.999	1258.957	1261.431	1261.431	1252.770
139.5	1281.228	1273.186	1275.042	1274.423	1265.143
140.0	1294.839	1286.178	1288.652	1288.033	1278.754
140.5	1307.830	1298.551	1301.025	1300.406	1290.508
141.0	1320.822	1311.542	1313.398	1312.161	1302.262
141.5	1332.576	1323.297	1325.771	1323.915	1312.780
142.0	1344.949	1335.670	1337.526	1335.051	1323.915
142.5	1356.704	1347.424	1349.280	1346.805	1334.432
143.0	1368.458	1358.560	1360.416	1357.941	1345.568
143.5	1379.594	1370.314	1371.551	1369.077	1356.085
144.0	1390.111	1381.450	1382.069	1378.975	1365.984
144.5	1400.628	1391.967	1392.586	1388.874	1375.882
145.0	1410.527	1402.484	1402.484	1398.154	1385.162
145.5	1421.044	1413.001	1412.383	1408.671	1395.060
146.0	1430.942	1422.900	1422.281	1417.950	1404.959
146.5	1440.841	1432.798	1431.561	1427.849	1414.857
147.0	1450.120	1442.696	1440.222	1437.747	1424.756
147.5	1459.400	1451.976	1449.502	1447.027	1434.035
148.0	1468.680	1461.256	1457.544	1455.688	1443.934
148.5	1477.960	1470.536	1465.587	1464.349	1453.832
149.0	1486.621	1479.816	1473.629	1473.010	1463.731
149.5	1495.282	1488.477	1481.053	1481.672	1473.010
150.0	1503.943	1497.138	1489.095	1489.714	1481.672
150.5	1512.604	1505.799	1496.519	1497.138	1490.333
151.0	1520.647	1513.841	1503.943	1504.562	1498.375
151.5	1529.308	1521.884	1511.985	1511.985	1505.799
152.0	1537.350	1529.926	1519.409	1518.791	1513.223
152.5	1545.393	1537.350	1526.833	1526.214	1520.028
153.0	1553.435	1544.774	1534.257	1533.638	1526.214
153.5	1560.859	1552.198	1541.681	1541.062	1531.782
154.0	1568.283	1559.622	1549.723	1548.486	1537.969
154.5	1576.325	1566.427	1557.147	1555.291	1544.155
155.0	1583.749	1573.232	1564.571	1562.715	1550.961
155.5	1590.554	1579.419	1571.995	1570.139	1557.766
156.0	1597.359	1586.224	1580.037	1576.944	1564.571
156.5	1604.165	1593.029	1587.461	1584.368	1571.376
157.0	1610.970	1599.834	1594.885	1591.792	1578.181
157.5	1617.156	1606.021	1601.690	1598.597	1584.986
158.0	1623.343	1612.207	1608.495	1605.402	1591.792
158.5	1630.148	1619.012	1615.300	1612.207	1599.215
159.0	1635.716	1625.199	1621.487	1619.012	1606.021
159.5	1641.902	1631.385	1627.673	1625.817	1612.826
160.0	1647.470	1636.953	1633.860	1632.004	1619.631
160.5	1653.038	1642.521	1639.428	1638.190	1626.436
161.0	1658.606	1648.089	1644.996	1644.377	1633.241
161.5	1664.174	1654.275	1649.945	1650.564	1640.046
162.0	1670.360	1659.843	1654.894	1656.750	1646.233
162.5	1675.928	1665.411	1659.843	1662.318	1651.801
163.0	1681.496	1670.979	1664.793	1667.886	1657.369
163.5	1687.064	1675.928	1669.742	1673.454	1662.318
164.0	1692.632	1680.877	1674.072	1678.403	1667.267
164.5	1696.962	1685.827	1678.403	1683.352	1672.216
165.0	1701.912	1690.776	1682.733	1688.301	1676.547
165.5	1706.861	1695.106	1687.064	1692.632	1680.877
166.0	1711.810	1699.437	1691.395	1696.962	1684.589
166.5	1716.759	1703.768	1695.725	1700.674	1688.920

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1721.090	1707.480	1699.437	1704.386	1692.632
167.5	1725.420	1711.191	1703.768	1708.098	1696.962
168.0	1729.751	1714.903	1707.480	1711.810	1700.674
168.5	1734.082	1718.615	1711.191	1715.522	1705.005
169.0	1737.793	1721.709	1714.903	1718.615	1708.717
169.5	1740.887	1724.802	1717.997	1721.709	1712.429
170.0	1743.980	1727.895	1721.090	1724.802	1716.759
170.5	1747.073	1730.988	1723.564	1727.895	1719.853
171.0	1750.167	1733.463	1726.039	1730.988	1722.946
171.5	1752.641	1735.938	1728.514	1734.082	1726.039
172.0	1755.116	1738.412	1730.370	1736.556	1728.514
172.5	1757.590	1740.887	1732.226	1738.412	1730.370
173.0	1760.065	1743.361	1734.082	1740.887	1731.607
173.5	1761.921	1745.217	1735.938	1742.124	1732.844
174.0	1763.777	1747.073	1737.793	1743.361	1733.463
174.5	1765.014	1748.311	1739.031	1744.599	1734.082
175.0	1766.251	1750.167	1740.268	1745.217	1734.082
175.5	1767.489	1751.404	1742.124	1745.836	1734.700
176.0	1768.726	1752.641	1743.361	1745.836	1734.700
176.5	1769.345	1753.878	1743.980	1746.455	1734.700
177.0	1769.963	1755.116	1745.217	1746.455	1734.082
177.5	1771.201	1756.353	1746.455	1746.455	1734.082
178.0	1771.819	1756.353	1747.073	1746.455	1734.700
178.5	1771.819	1756.972	1747.692	1746.455	1734.700
179.0	1772.438	1757.590	1747.692	1746.455	1734.700
179.5	1773.057	1757.590	1748.311	1746.455	1734.700
180.0	1751.404	1751.404	1751.404	1751.404	1751.404

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	627.09	N.A.	7.00
0-30	1311.03	N.A.	14.70
0-40	2106.18	N.A.	23.70
0-60	3578.88	N.A.	40.20
0-80	4382.74	N.A.	49.30
0-90	4467.68	N.A.	50.20
10-90	4304.00	N.A.	48.40
20-40	1479.1	N.A.	16.60
20-50	2268.45	N.A.	25.50
40-70	1984.51	N.A.	22.30
60-80	803.86	N.A.	9.00
70-80	292.05	N.A.	3.30
80-90	84.94	N.A.	1.00
90-110	253.46	N.A.	2.80
90-120	650.65	N.A.	7.30
90-130	1318.11	N.A.	14.80
90-150	3065.83	N.A.	34.50
90-180	4430.93	N.A.	49.80
110-180	4177.47	N.A.	46.90
0-180	8898.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.68
10-20	463.41
20-30	683.94
30-40	795.16
40-50	789.35
50-60	683.34
60-70	511.81
70-80	292.05
80-90	84.94
90-100	54.67
100-110	198.79
110-120	397.19
120-130	667.46
130-140	872.77
140-150	874.95
150-160	722.75
160-170	476.26
170-180	166.09

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	93	90	86	90	86	83	80	73	71	68	61	59	58	50	49	47	42
2	89	82	75	70	82	76	70	66	64	60	57	54	51	48	44	42	40	35
3	81	72	64	59	75	66	60	55	57	52	48	47	44	41	39	36	34	30
4	74	63	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26
5	68	57	48	42	63	53	45	40	45	39	35	38	34	30	31	28	26	22
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	32	53	43	36	30	37	31	27	31	27	23	26	23	20	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	24	20	18	16
9	50	38	31	25	46	35	29	24	31	25	21	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-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	16.4	17.3	17.4	18.3	19.5	16.3	17.2	17.3	18.2	19.4
	3H	18.2	19.0	19.2	19.9	21.2	18.1	18.9	19.1	19.9	21.1
	4H	18.8	19.5	19.8	20.5	21.8	18.7	19.5	19.7	20.4	21.7
	6H	19.2	19.9	20.2	20.9	22.2	19.2	19.9	20.2	20.9	22.2
	8H	19.4	20.0	20.4	21.0	22.3	19.3	20.0	20.3	21.0	22.3
	12H	19.4	20.1	20.4	21.1	22.4	19.4	20.0	20.4	21.0	22.4

UGR Viewed Endwise

4H	2H	17.0	17.7	18.0	18.7	20.0	16.9	17.6	17.9	18.6	19.9
	3H	18.9	19.5	19.9	20.6	21.9	18.9	19.5	19.9	20.5	21.8
	4H	19.7	20.2	20.7	21.2	22.6	19.6	20.2	20.6	21.2	22.5
	6H	20.2	20.7	21.2	21.7	23.1	20.2	20.7	21.2	21.7	23.1
	8H	20.4	20.9	21.4	21.9	23.2	20.4	20.9	21.4	21.9	23.2
	12H	20.5	20.9	21.6	22.0	23.3	20.5	20.9	21.6	22.0	23.3

8H	4H	19.9	20.4	20.9	21.4	22.7	19.9	20.3	20.9	21.3	22.7
	6H	20.6	21.0	21.6	22.0	23.4	20.6	21.0	21.6	22.0	23.4
	8H	20.9	21.2	21.9	22.2	23.6	20.9	21.2	21.9	22.3	23.6
	12H	21.1	21.3	22.1	22.4	23.8	21.1	21.4	22.2	22.4	23.8

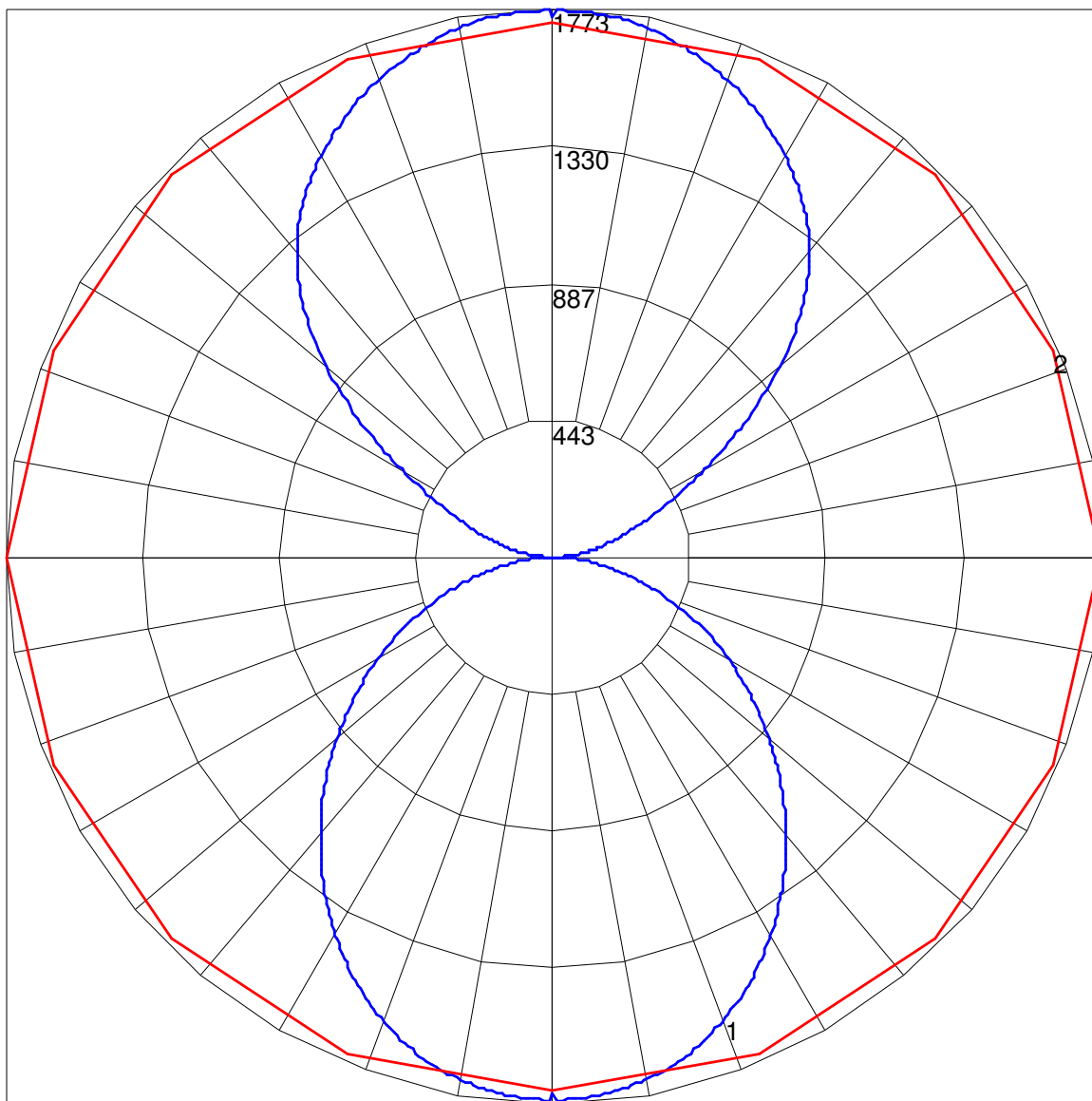
12H	4H	19.9	20.3	20.9	21.4	22.7	19.9	20.3	20.9	21.3	22.7
	6H	20.6	21.0	21.7	22.0	23.4	20.6	21.0	21.7	22.0	23.4
	8H	20.9	21.2	22.0	22.3	23.7	21.0	21.2	22.0	22.3	23.7

Maximum UGR = 23.8

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-L12-927D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1773.057 Located At Horizontal Angle = 0, Vertical Angle = 179.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (179.5) (Through Max. Cd.)