

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-927U-L15-927D-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-L12-927U-L15-927D-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	8806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	91.8
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	11981	11682	11548
55	11014	10747	10634
65	10159	9913	9806
75	8615	8610	8605
85	6728	6998	7201

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

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1738.517	1738.517	1738.517	1738.517	1738.517
0.5	1764.770	1739.976	1731.225	1734.871	1729.037
1.0	1764.770	1739.246	1731.225	1734.871	1729.037
1.5	1764.041	1738.517	1730.496	1734.871	1728.308
2.0	1763.312	1737.788	1729.766	1734.142	1728.308
2.5	1762.582	1737.059	1728.308	1733.413	1727.579
3.0	1761.124	1735.600	1727.579	1732.683	1726.120
3.5	1759.665	1734.142	1726.120	1731.225	1724.662
4.0	1758.207	1732.683	1724.662	1729.766	1723.203
4.5	1756.748	1730.496	1723.203	1728.308	1721.015
5.0	1755.290	1729.037	1721.015	1726.120	1718.828
5.5	1753.102	1726.849	1718.828	1723.932	1716.640
6.0	1750.914	1723.932	1716.640	1721.745	1713.723
6.5	1747.997	1721.745	1713.723	1718.828	1711.535
7.0	1745.810	1718.828	1711.535	1715.911	1708.618
7.5	1743.622	1715.911	1708.618	1712.994	1706.431
8.0	1739.976	1712.994	1704.972	1710.077	1703.514
8.5	1737.059	1709.348	1701.326	1706.431	1699.867
9.0	1733.413	1706.431	1698.409	1702.784	1696.221
9.5	1729.766	1702.784	1694.033	1698.409	1692.575
10.0	1726.120	1699.138	1690.387	1694.763	1688.199
10.5	1721.745	1694.763	1686.012	1690.387	1684.553
11.0	1718.098	1690.387	1681.636	1686.012	1679.449
11.5	1712.994	1686.012	1677.261	1681.636	1675.073
12.0	1708.618	1681.636	1672.885	1676.532	1669.968
12.5	1704.243	1676.532	1667.781	1671.427	1664.864
13.0	1699.138	1672.156	1662.676	1666.322	1659.759
13.5	1694.033	1666.322	1657.571	1660.488	1654.654
14.0	1688.929	1661.217	1651.737	1655.383	1649.550
14.5	1683.824	1656.113	1645.903	1649.550	1643.716
15.0	1678.719	1650.279	1640.069	1643.716	1637.882
15.5	1672.156	1645.174	1634.235	1637.152	1631.318
16.0	1664.864	1639.340	1627.672	1631.318	1625.484
16.5	1657.571	1632.777	1621.109	1624.755	1618.921
17.0	1651.008	1626.214	1614.546	1618.192	1612.358
17.5	1643.716	1618.921	1607.253	1610.900	1605.066
18.0	1636.423	1611.629	1599.961	1603.607	1597.773
18.5	1629.131	1604.336	1592.668	1595.585	1590.481
19.0	1621.838	1597.044	1586.105	1588.293	1581.730
19.5	1613.817	1589.752	1578.813	1579.542	1572.979
20.0	1606.524	1581.730	1572.250	1571.520	1564.228
20.5	1598.502	1574.437	1564.957	1562.769	1555.477
21.0	1590.481	1566.416	1556.936	1554.019	1545.997
21.5	1581.730	1558.394	1548.185	1545.268	1536.517
22.0	1573.708	1549.643	1538.704	1535.787	1527.766
22.5	1564.957	1540.892	1529.954	1526.307	1518.286
23.0	1556.206	1532.141	1521.203	1516.098	1508.805
23.5	1547.455	1523.390	1511.722	1506.618	1500.055
24.0	1537.975	1514.639	1502.972	1497.138	1490.574
24.5	1528.495	1505.159	1493.491	1487.657	1481.094
25.0	1519.744	1495.679	1484.011	1478.177	1471.614
25.5	1510.264	1486.199	1473.802	1468.697	1461.405
26.0	1500.055	1475.989	1464.322	1459.217	1451.924
26.5	1490.574	1466.509	1454.112	1449.737	1442.444

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

27.0	1480.365	1456.300	1443.903	1440.257	1432.235
27.5	1470.156	1446.090	1434.423	1430.776	1422.755
28.0	1459.946	1435.152	1423.484	1420.567	1412.545
28.5	1449.007	1424.213	1413.275	1411.087	1402.336
29.0	1438.069	1414.004	1403.065	1400.877	1392.126
29.5	1427.859	1403.065	1392.856	1389.939	1382.646
30.0	1416.921	1392.126	1382.646	1379.729	1372.437
30.5	1405.982	1381.188	1371.708	1369.520	1362.227
31.0	1394.314	1370.978	1360.769	1358.581	1352.018
31.5	1383.376	1360.040	1349.830	1347.643	1341.079
32.0	1371.708	1348.372	1338.892	1335.975	1330.141
32.5	1360.040	1337.433	1327.953	1325.036	1318.473
33.0	1348.372	1326.494	1317.014	1314.097	1306.805
33.5	1337.433	1314.827	1305.346	1302.429	1295.866
34.0	1325.036	1303.159	1294.408	1290.762	1284.198
34.5	1313.368	1291.491	1282.011	1279.094	1271.801
35.0	1301.700	1280.552	1270.343	1267.426	1259.404
35.5	1289.303	1268.155	1258.675	1255.758	1247.007
36.0	1276.906	1256.487	1247.007	1243.361	1235.339
36.5	1265.238	1244.819	1235.339	1231.693	1223.671
37.0	1252.841	1232.422	1222.942	1219.296	1211.274
37.5	1240.444	1220.025	1211.274	1206.899	1199.606
38.0	1227.317	1207.628	1198.877	1194.501	1187.209
38.5	1214.920	1195.231	1186.480	1182.833	1174.812
39.0	1203.252	1182.833	1174.083	1170.436	1163.144
39.5	1190.126	1170.436	1162.415	1158.039	1150.017
40.0	1177.729	1157.310	1150.017	1145.642	1138.350
40.5	1164.602	1144.913	1137.620	1133.245	1125.952
41.0	1152.205	1131.786	1125.223	1120.118	1112.826
41.5	1139.079	1119.389	1112.097	1107.721	1099.700
42.0	1126.682	1106.263	1099.700	1095.324	1087.303
42.5	1114.285	1093.866	1087.303	1082.198	1074.905
43.0	1101.158	1081.469	1074.905	1069.801	1061.779
43.5	1088.761	1068.342	1061.779	1057.404	1049.382
44.0	1075.635	1055.216	1048.653	1044.277	1036.985
44.5	1062.508	1042.089	1035.526	1031.151	1023.858
45.0	1049.382	1029.692	1023.129	1018.024	1011.461
45.5	1036.985	1016.566	1010.003	1005.627	999.064
46.0	1023.858	1003.439	996.876	992.501	986.667
46.5	1010.732	990.313	984.479	980.104	974.270
47.0	997.606	977.187	971.353	966.977	961.143
47.5	983.750	964.060	958.226	953.851	948.746
48.0	970.624	950.934	945.100	941.454	935.620
48.5	957.497	937.808	932.703	928.327	922.493
49.0	943.641	924.681	919.576	915.201	910.096
49.5	930.515	911.555	906.450	902.804	897.699
50.0	916.659	898.428	893.324	889.677	884.573
50.5	902.804	885.302	880.197	876.551	872.176
51.0	888.948	872.176	867.071	863.425	859.049
51.5	875.822	859.049	853.945	851.028	845.923
52.0	862.695	845.923	840.818	837.901	833.526
52.5	848.840	832.796	827.692	825.504	820.399
53.0	835.713	819.670	814.565	812.378	807.273
53.5	821.858	806.544	801.439	799.251	794.147
54.0	808.731	793.417	789.042	786.854	781.020
54.5	795.605	781.020	775.915	773.728	767.894

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

55.0	782.479	768.623	763.518	761.331	755.497
55.5	770.081	755.497	750.392	748.204	743.099
56.0	756.226	742.370	737.265	735.807	729.973
56.5	743.099	729.973	724.504	722.899	717.138
57.0	730.702	716.847	711.596	709.846	704.377
57.5	717.868	704.158	698.761	697.157	691.469
58.0	705.033	691.615	685.854	684.395	678.707
58.5	692.125	678.999	673.165	671.852	666.456
59.0	679.436	666.310	660.403	659.164	653.986
59.5	667.112	653.475	647.423	646.548	641.662
60.0	654.496	640.714	634.588	633.859	629.119
60.5	642.026	628.244	622.191	621.097	616.430
61.0	629.775	615.773	609.867	608.627	604.033
61.5	616.649	603.449	597.615	596.230	591.781
62.0	603.741	590.760	584.926	583.906	579.238
62.5	590.542	579.020	572.967	572.165	567.352
63.0	577.853	568.664	563.778	563.414	559.476
63.5	565.018	557.361	553.496	552.694	548.610
64.0	557.288	546.350	542.849	541.245	536.578
64.5	545.256	534.609	530.817	529.358	524.983
65.0	531.765	522.066	518.930	517.544	513.315
65.5	517.982	509.377	506.533	505.876	501.574
66.0	504.710	496.980	494.427	494.136	489.541
66.5	491.583	484.291	482.103	482.103	478.019
67.0	478.603	471.675	469.925	470.143	466.424
67.5	465.841	459.278	457.673	458.111	454.465
68.0	452.933	446.881	445.422	446.006	442.213
68.5	439.953	434.265	433.098	433.900	430.181
69.0	426.535	421.576	420.701	421.138	417.711
69.5	413.481	409.106	408.085	408.595	405.460
70.0	400.574	396.490	395.761	395.979	393.208
70.5	387.885	383.801	383.291	383.509	380.884
71.0	374.904	371.185	371.039	371.331	368.487
71.5	361.924	358.569	358.861	359.080	356.600
72.0	349.308	345.880	346.464	346.755	344.641
72.5	336.692	333.410	334.358	334.650	332.900
73.0	324.222	321.232	322.545	322.909	321.378
73.5	312.116	309.199	310.731	311.387	309.710
74.0	300.157	297.167	299.063	299.573	298.480
74.5	288.197	285.353	287.468	287.978	287.176
75.0	276.165	273.612	276.019	276.529	275.873
75.5	264.278	261.871	264.643	265.299	264.570
76.0	252.245	250.568	253.412	254.142	253.558
76.5	240.869	239.411	242.255	243.057	242.547
77.0	229.785	228.180	231.316	232.045	231.243
77.5	218.336	217.242	220.378	220.961	220.159
78.0	207.178	206.303	209.439	210.314	209.512
78.5	196.094	195.656	198.646	199.667	199.011
79.0	185.447	185.009	188.072	189.312	188.801
79.5	174.800	174.581	177.644	178.956	178.519
80.0	164.299	164.372	167.216	169.039	168.455
80.5	153.725	154.381	157.298	159.048	158.611
81.0	143.588	144.609	147.453	149.276	148.985
81.5	133.816	134.910	137.827	139.650	139.431
82.0	124.701	125.430	128.420	130.316	130.097
82.5	115.585	116.241	119.158	121.054	120.909

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

83.0	106.470	107.491	110.043	112.012	112.158
83.5	97.500	98.740	101.219	103.115	103.553
84.0	89.114	90.135	92.468	94.291	94.948
84.5	80.581	81.675	83.863	85.686	86.342
85.0	72.633	73.508	75.550	77.154	77.737
85.5	64.903	65.340	67.090	68.768	69.351
86.0	57.319	57.464	58.996	60.527	61.256
86.5	49.807	49.807	51.193	52.578	53.235
87.0	42.223	42.223	43.244	44.994	45.505
87.5	34.712	34.785	35.733	37.483	38.139
88.0	27.565	27.492	28.441	30.337	31.066
88.5	20.711	20.273	21.513	23.190	24.211
89.0	13.418	13.199	14.877	16.481	17.575
89.5	6.199	7.365	8.897	10.137	10.501
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.473	2.358	2.176	2.116	2.297
91.0	9.854	5.199	4.232	4.171	4.111
91.5	15.838	10.579	6.287	6.227	6.166
92.0	21.884	17.591	9.068	8.101	8.101
92.5	28.171	24.846	14.025	10.156	9.975
93.0	34.699	31.798	19.828	13.481	12.151
93.5	41.289	38.447	26.055	18.196	15.838
94.0	47.757	44.976	32.946	23.818	20.856
94.5	54.407	51.505	40.140	29.621	26.297
95.0	60.935	58.215	47.213	35.546	31.677
95.5	67.464	64.502	54.104	41.651	37.359
96.0	73.691	70.910	60.875	47.999	43.163
96.5	79.978	77.318	67.646	54.467	49.147
97.0	86.083	83.605	74.356	60.935	55.495
97.5	92.370	89.952	81.126	67.525	61.842
98.0	98.597	96.179	87.716	74.053	68.250
98.5	104.823	102.466	94.063	80.703	74.658
99.0	111.171	108.934	100.531	87.051	81.126
99.5	117.579	115.342	107.060	93.398	87.474
100.0	123.866	121.810	113.589	99.927	93.700
100.5	130.394	128.279	120.118	106.697	99.987
101.0	137.105	134.747	126.767	113.528	106.818
101.5	143.936	141.336	133.538	120.359	113.891
102.0	150.585	148.167	140.309	127.191	120.904
102.5	157.537	154.938	147.321	134.022	127.855
103.0	164.671	161.950	154.273	140.792	134.928
103.5	171.804	169.084	161.648	148.046	141.941
104.0	179.119	176.277	169.144	155.542	149.255
104.5	186.675	183.773	176.640	163.220	156.570
105.0	194.413	191.451	184.076	170.776	164.006
105.5	202.332	199.249	191.753	178.393	171.381
106.0	210.372	207.108	199.551	186.131	178.756
106.5	218.473	215.208	207.712	193.929	186.191
107.0	227.117	223.672	216.417	202.211	194.292
107.5	236.064	232.377	225.243	210.977	203.057
108.0	244.951	241.323	234.251	220.468	212.065
108.5	254.321	250.452	243.258	229.958	221.374
109.0	263.932	259.761	252.507	239.570	230.805
109.5	273.786	269.433	262.240	249.122	240.356
110.0	284.305	279.348	272.214	258.915	250.331
110.5	295.065	289.503	282.431	269.433	260.668

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

111.0	305.946	300.143	293.010	280.375	271.066
111.5	317.069	311.085	303.770	291.498	281.766
112.0	328.616	322.329	314.470	302.622	291.982
112.5	340.223	333.875	325.291	313.684	302.803
113.0	352.373	345.784	336.716	325.110	314.107
113.5	364.887	358.237	348.807	337.442	326.258
114.0	377.582	370.932	361.622	350.560	339.739
114.5	390.700	384.050	374.680	364.222	354.066
115.0	403.999	397.531	388.221	378.005	368.574
115.5	417.903	411.132	402.125	391.727	382.901
116.0	431.928	425.278	416.513	406.175	397.470
116.5	446.739	439.787	431.384	420.986	413.006
117.0	462.154	454.597	446.376	436.945	429.026
117.5	473.519	466.144	460.098	451.635	445.288
118.0	488.027	479.624	474.184	466.808	459.736
118.5	504.893	495.704	488.571	480.894	472.733
119.0	521.396	511.543	504.893	496.853	487.181
119.5	538.081	528.409	522.182	513.054	503.382
120.0	555.310	545.879	539.532	530.766	520.490
120.5	572.418	563.592	557.426	549.567	538.746
121.0	590.372	581.667	575.440	568.307	558.151
121.5	608.145	599.561	593.394	587.289	577.133
122.0	626.885	617.817	612.376	606.331	596.175
122.5	645.020	635.953	631.116	625.071	614.190
123.0	663.760	655.297	650.461	645.625	634.139
123.5	683.105	674.642	671.015	666.178	654.693
124.0	702.449	694.591	690.964	686.732	675.851
124.5	721.794	713.935	710.913	706.681	696.404
125.0	741.139	733.280	730.257	726.630	716.353
125.5	761.088	753.229	750.206	746.579	735.698
126.0	780.432	772.574	770.760	766.528	755.042
126.5	799.777	791.918	791.314	787.686	775.596
127.0	819.726	811.867	811.867	808.845	797.359
127.5	839.675	831.212	831.212	829.398	819.121
128.0	859.020	850.556	851.161	849.952	839.675
128.5	878.364	869.296	870.505	870.505	859.624
129.0	897.709	888.036	889.850	890.454	880.178
129.5	917.053	907.381	909.799	911.008	901.336
130.0	936.398	926.725	929.748	931.562	923.703
130.5	955.742	945.466	950.302	951.511	944.861
131.0	975.087	964.206	969.646	970.855	964.206
131.5	993.222	982.341	988.991	988.991	982.946
132.0	1011.962	1000.477	1007.731	1008.335	1001.081
132.5	1030.098	1019.217	1026.471	1027.075	1019.217
133.0	1048.234	1037.957	1044.606	1045.815	1036.748
133.5	1066.369	1056.092	1063.346	1064.556	1055.488
134.0	1084.505	1073.623	1080.877	1082.691	1073.623
134.5	1100.827	1091.154	1097.804	1099.013	1091.154
135.0	1117.149	1108.081	1114.126	1115.335	1106.872
135.5	1132.866	1125.612	1130.448	1131.052	1122.589
136.0	1148.583	1141.934	1145.561	1147.374	1138.911
136.5	1164.905	1157.651	1160.674	1163.696	1155.838
137.0	1180.018	1173.369	1176.391	1178.809	1171.555
137.5	1195.131	1187.877	1190.900	1192.713	1185.459
138.0	1209.640	1202.386	1204.804	1206.013	1198.758
138.5	1224.148	1216.289	1218.707	1219.312	1211.453

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

139.0	1238.052	1230.193	1232.611	1232.611	1224.148
139.5	1251.956	1244.097	1245.911	1245.306	1236.239
140.0	1265.255	1256.792	1259.210	1258.606	1249.538
140.5	1277.950	1268.882	1271.301	1270.696	1261.024
141.0	1290.645	1281.577	1283.391	1282.182	1272.510
141.5	1302.131	1293.063	1295.481	1293.668	1282.786
142.0	1314.221	1305.154	1306.967	1304.549	1293.668
142.5	1325.707	1316.639	1318.453	1316.035	1303.944
143.0	1337.193	1327.521	1329.334	1326.916	1314.826
143.5	1348.074	1339.007	1340.216	1337.797	1325.103
144.0	1358.351	1349.888	1350.492	1347.470	1334.775
144.5	1368.628	1360.165	1360.769	1357.142	1344.447
145.0	1378.300	1370.441	1370.441	1366.210	1353.515
145.5	1388.577	1380.718	1380.114	1376.487	1363.187
146.0	1398.249	1390.390	1389.786	1385.554	1372.859
146.5	1407.922	1400.063	1398.854	1395.227	1382.532
147.0	1416.989	1409.735	1407.317	1404.899	1392.204
147.5	1426.057	1418.803	1416.385	1413.967	1401.272
148.0	1435.125	1427.871	1424.243	1422.430	1410.944
148.5	1444.193	1436.938	1432.102	1430.893	1420.616
149.0	1452.656	1446.006	1439.961	1439.356	1430.289
149.5	1461.119	1454.469	1447.215	1447.820	1439.356
150.0	1469.582	1462.933	1455.074	1455.678	1447.820
150.5	1478.046	1471.396	1462.328	1462.933	1456.283
151.0	1485.904	1479.255	1469.582	1470.187	1464.142
151.5	1494.368	1487.113	1477.441	1477.441	1471.396
152.0	1502.226	1494.972	1484.695	1484.091	1478.650
152.5	1510.085	1502.226	1491.949	1491.345	1485.300
153.0	1517.944	1509.480	1499.204	1498.599	1491.345
153.5	1525.198	1516.735	1506.458	1505.853	1496.786
154.0	1532.452	1523.989	1514.317	1513.108	1502.831
154.5	1540.311	1530.639	1521.571	1519.757	1508.876
155.0	1547.565	1537.288	1528.825	1527.011	1515.526
155.5	1554.215	1543.333	1536.079	1534.266	1522.175
156.0	1560.864	1549.983	1543.938	1540.915	1528.825
156.5	1567.514	1556.633	1551.192	1548.170	1535.475
157.0	1574.164	1563.283	1558.446	1555.424	1542.124
157.5	1580.209	1569.328	1565.096	1562.073	1548.774
158.0	1586.254	1575.373	1571.746	1568.723	1555.424
158.5	1592.904	1582.023	1578.395	1575.373	1562.678
159.0	1598.345	1588.068	1584.441	1582.023	1569.328
159.5	1604.390	1594.113	1590.486	1588.672	1575.977
160.0	1609.830	1599.554	1596.531	1594.717	1582.627
160.5	1615.271	1604.994	1601.972	1600.763	1589.277
161.0	1620.712	1610.435	1607.412	1606.808	1595.926
161.5	1626.152	1616.480	1612.248	1612.853	1602.576
162.0	1632.198	1621.921	1617.085	1618.898	1608.621
162.5	1637.638	1627.361	1621.921	1624.339	1614.062
163.0	1643.079	1632.802	1626.757	1629.779	1619.503
163.5	1648.520	1637.638	1631.593	1635.220	1624.339
164.0	1653.960	1642.474	1635.825	1640.056	1629.175
164.5	1658.192	1647.310	1640.056	1644.892	1634.011
165.0	1663.028	1652.147	1644.288	1649.729	1638.243
165.5	1667.864	1656.378	1648.520	1653.960	1642.474
166.0	1672.700	1660.610	1652.751	1658.192	1646.101
166.5	1677.536	1664.841	1656.983	1661.819	1650.333

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

167.0	1681.768	1668.469	1660.610	1665.446	1653.960
167.5	1686.000	1672.096	1664.841	1669.073	1658.192
168.0	1690.231	1675.723	1668.469	1672.700	1661.819
168.5	1694.463	1679.350	1672.096	1676.327	1666.051
169.0	1698.090	1682.373	1675.723	1679.350	1669.678
169.5	1701.113	1685.395	1678.745	1682.373	1673.305
170.0	1704.135	1688.418	1681.768	1685.395	1677.536
170.5	1707.158	1691.440	1684.186	1688.418	1680.559
171.0	1710.180	1693.858	1686.604	1691.440	1683.582
171.5	1712.598	1696.276	1689.022	1694.463	1686.604
172.0	1715.016	1698.694	1690.836	1696.881	1689.022
172.5	1717.435	1701.113	1692.649	1698.694	1690.836
173.0	1719.853	1703.531	1694.463	1701.113	1692.045
173.5	1721.666	1705.344	1696.276	1702.322	1693.254
174.0	1723.480	1707.158	1698.090	1703.531	1693.858
174.5	1724.689	1708.367	1699.299	1704.740	1694.463
175.0	1725.898	1710.180	1700.508	1705.344	1694.463
175.5	1727.107	1711.389	1702.322	1705.949	1695.067
176.0	1728.316	1712.598	1703.531	1705.949	1695.067
176.5	1728.920	1713.807	1704.135	1706.553	1695.067
177.0	1729.525	1715.016	1705.344	1706.553	1694.463
177.5	1730.734	1716.225	1706.553	1706.553	1694.463
178.0	1731.338	1716.225	1707.158	1706.553	1695.067
178.5	1731.338	1716.830	1707.762	1706.553	1695.067
179.0	1731.943	1717.435	1707.762	1706.553	1695.067
179.5	1732.547	1717.435	1708.367	1706.553	1695.067
180.0	1711.389	1711.389	1711.389	1711.389	1711.389

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

Zone	Lumens	%Lamp	%Fixt
0-20	628.31	N.A.	7.10
0-30	1313.58	N.A.	14.90
0-40	2110.29	N.A.	24.00
0-60	3585.85	N.A.	40.70
0-80	4391.28	N.A.	49.90
0-90	4476.38	N.A.	50.80
10-90	4312.38	N.A.	49.00
20-40	1481.98	N.A.	16.80
20-50	2272.87	N.A.	25.80
40-70	1988.37	N.A.	22.60
60-80	805.43	N.A.	9.10
70-80	292.62	N.A.	3.30
80-90	85.10	N.A.	1.00
90-110	247.67	N.A.	2.80
90-120	635.79	N.A.	7.20
90-130	1288.00	N.A.	14.60
90-150	2995.78	N.A.	34.00
90-180	4329.7	N.A.	49.20
110-180	4082.03	N.A.	46.40
0-180	8806.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.00
10-20	464.31
20-30	685.27
30-40	796.71
40-50	790.89
50-60	684.68
60-70	512.81
70-80	292.62
80-90	85.10
90-100	53.42
100-110	194.25
110-120	388.12
120-130	652.21
130-140	852.83
140-150	854.96
150-160	706.24
160-170	465.38
170-180	162.29

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-927U-L15-927D-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	84	84	84	70	70	70	57	57	57	51
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	70	82	76	70	66	64	60	57	54	51	48	44	42	40	36
3	81	72	64	59	75	67	60	55	57	52	48	48	44	41	39	37	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26
5	68	57	49	43	63	53	45	40	45	40	35	38	34	30	32	28	26	23
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	29	25	23	20
7	58	46	38	32	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-927U-L15-927D-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	16.5	17.4	17.5	18.4	19.6	16.4	17.3	17.4	18.3	19.5
	3H	18.3	19.1	19.3	20.1	21.3	18.2	19.0	19.2	20.0	21.2
	4H	18.9	19.7	19.9	20.6	21.9	18.8	19.6	19.8	20.6	21.8
	6H	19.3	20.0	20.3	21.0	22.3	19.3	20.0	20.3	21.0	22.3
	8H	19.5	20.1	20.5	21.1	22.4	19.4	20.1	20.4	21.1	22.4
	12H	19.6	20.2	20.6	21.2	22.5	19.5	20.2	20.5	21.2	22.5

UGR Viewed Endwise

4H	2H	17.1	17.8	18.0	18.8	20.1	17.0	17.7	18.0	18.7	20.0
	3H	19.0	19.7	20.0	20.7	22.0	19.0	19.6	20.0	20.6	21.9
	4H	19.8	20.3	20.8	21.3	22.7	19.7	20.3	20.7	21.3	22.6
	6H	20.3	20.8	21.3	21.8	23.2	20.3	20.8	21.3	21.8	23.1
	8H	20.5	21.0	21.5	22.0	23.3	20.5	21.0	21.5	22.0	23.3
	12H	20.6	21.0	21.6	22.1	23.4	20.6	21.1	21.7	22.1	23.4

8H	4H	20.0	20.5	21.0	21.5	22.8	20.0	20.4	21.0	21.4	22.8
	6H	20.7	21.1	21.7	22.1	23.5	20.7	21.1	21.7	22.1	23.5
	8H	21.0	21.3	22.0	22.3	23.7	21.0	21.3	22.0	22.4	23.7
	12H	21.2	21.5	22.2	22.5	23.9	21.2	21.5	22.2	22.5	23.9

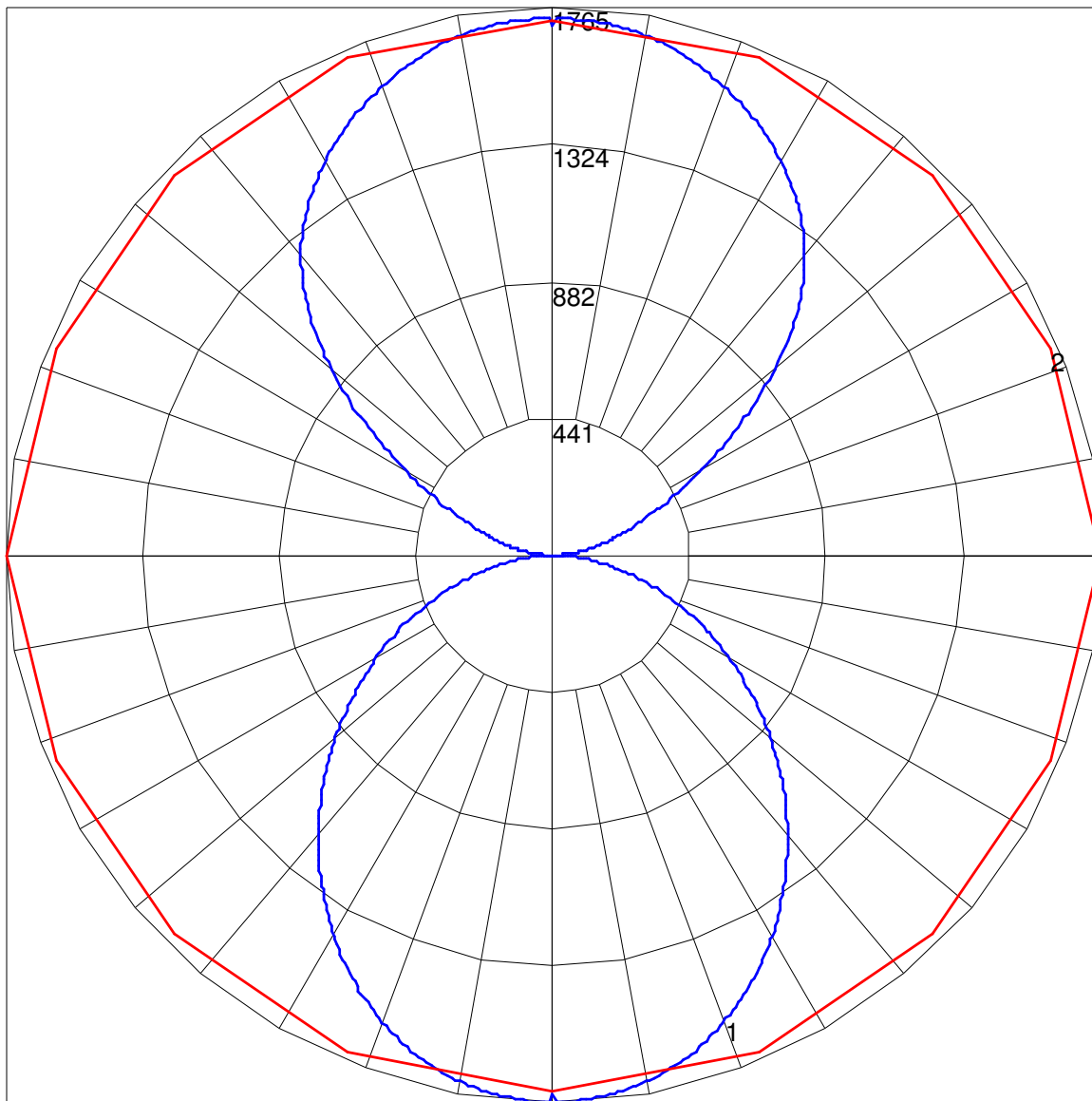
12H	4H	20.0	20.4	21.0	21.5	22.8	20.0	20.4	21.0	21.4	22.8
	6H	20.8	21.1	21.8	22.1	23.5	20.7	21.1	21.8	22.1	23.5
	8H	21.0	21.3	22.1	22.4	23.8	21.1	21.4	22.1	22.4	23.8

Maximum UGR = 23.9

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 1764.77 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.)