

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-827U-L8-827D-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-L15-827U-L8-827D-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	9182
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	78.9
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	12339	12031	11893
55	11343	11068	10952
65	10462	10209	10099
75	8872	8867	8862
85	6929	7207	7416

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1790.442	1790.442	1790.442	1790.442	1790.442
0.5	1817.478	1791.944	1782.931	1786.686	1780.678
1.0	1817.478	1791.193	1782.931	1786.686	1780.678
1.5	1816.727	1790.442	1782.180	1786.686	1779.927
2.0	1815.976	1789.690	1781.429	1785.935	1779.927
2.5	1815.225	1788.939	1779.927	1785.184	1779.176
3.0	1813.723	1787.437	1779.176	1784.433	1777.674
3.5	1812.221	1785.935	1777.674	1782.931	1776.172
4.0	1810.719	1784.433	1776.172	1781.429	1774.670
4.5	1809.217	1782.180	1774.670	1779.927	1772.417
5.0	1807.715	1780.678	1772.417	1777.674	1770.164
5.5	1805.462	1778.425	1770.164	1775.421	1767.911
6.0	1803.209	1775.421	1767.911	1773.168	1764.907
6.5	1800.205	1773.168	1764.907	1770.164	1762.654
7.0	1797.952	1770.164	1762.654	1767.160	1759.650
7.5	1795.699	1767.160	1759.650	1764.156	1757.396
8.0	1791.944	1764.156	1755.894	1761.152	1754.392
8.5	1788.939	1760.401	1752.139	1757.396	1750.637
9.0	1785.184	1757.396	1749.135	1753.641	1746.882
9.5	1781.429	1753.641	1744.629	1749.135	1743.127
10.0	1777.674	1749.886	1740.874	1745.380	1738.621
10.5	1773.168	1745.380	1736.368	1740.874	1734.866
11.0	1769.413	1740.874	1731.862	1736.368	1729.609
11.5	1764.156	1736.368	1727.355	1731.862	1725.102
12.0	1759.650	1731.862	1722.849	1726.604	1719.845
12.5	1755.143	1726.604	1717.592	1721.347	1714.588
13.0	1749.886	1722.098	1712.335	1716.090	1709.331
13.5	1744.629	1716.090	1707.078	1710.082	1704.074
14.0	1739.372	1710.833	1701.070	1704.825	1698.817
14.5	1734.115	1705.576	1695.061	1698.817	1692.808
15.0	1728.858	1699.568	1689.053	1692.808	1686.800
15.5	1722.098	1694.310	1683.045	1686.049	1680.041
16.0	1714.588	1688.302	1676.286	1680.041	1674.033
16.5	1707.078	1681.543	1669.527	1673.282	1667.274
17.0	1700.319	1674.784	1662.767	1666.523	1660.514
17.5	1692.808	1667.274	1655.257	1659.012	1653.004
18.0	1685.298	1659.763	1647.747	1651.502	1645.494
18.5	1677.788	1652.253	1640.237	1643.241	1637.984
19.0	1670.278	1644.743	1633.477	1635.731	1628.971
19.5	1662.016	1637.233	1625.967	1626.718	1619.959
20.0	1654.506	1628.971	1619.208	1618.457	1610.947
20.5	1646.245	1621.461	1611.698	1609.445	1601.934
21.0	1637.984	1613.200	1603.437	1600.432	1592.171
21.5	1628.971	1604.939	1594.424	1591.420	1582.408
22.0	1620.710	1595.926	1584.661	1581.657	1573.396
22.5	1611.698	1586.914	1575.649	1571.893	1563.632
23.0	1602.685	1577.902	1566.636	1561.379	1553.869
23.5	1593.673	1568.889	1556.873	1551.616	1544.857
24.0	1583.910	1559.877	1547.861	1541.853	1535.093
24.5	1574.147	1550.114	1538.097	1532.089	1525.330
25.0	1565.134	1540.350	1528.334	1522.326	1515.567
25.5	1555.371	1530.587	1517.820	1512.563	1505.052
26.0	1544.857	1520.073	1508.056	1502.799	1495.289
26.5	1535.093	1510.310	1497.542	1493.036	1485.526

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27.0	1524.579	1499.795	1487.028	1483.273	1475.011
27.5	1514.065	1489.281	1477.264	1473.509	1465.248
28.0	1503.550	1478.015	1465.999	1462.995	1454.734
28.5	1492.285	1466.750	1455.485	1453.232	1444.219
29.0	1481.020	1456.236	1444.970	1442.717	1433.705
29.5	1470.505	1444.970	1434.456	1431.452	1423.942
30.0	1459.240	1433.705	1423.942	1420.938	1413.427
30.5	1447.975	1422.440	1412.676	1410.423	1402.913
31.0	1435.958	1411.925	1401.411	1399.158	1392.399
31.5	1424.693	1400.660	1390.146	1387.893	1381.133
32.0	1412.676	1388.644	1378.880	1375.876	1369.868
32.5	1400.660	1377.378	1367.615	1364.611	1357.852
33.0	1388.644	1366.113	1356.350	1353.345	1345.835
33.5	1377.378	1354.097	1344.333	1341.329	1334.570
34.0	1364.611	1342.080	1333.068	1329.313	1322.553
34.5	1352.594	1330.064	1320.300	1317.296	1309.786
35.0	1340.578	1318.798	1308.284	1305.280	1297.019
35.5	1327.811	1306.031	1296.268	1293.264	1284.251
36.0	1315.043	1294.015	1284.251	1280.496	1272.235
36.5	1303.027	1281.998	1272.235	1268.480	1260.218
37.0	1290.259	1269.231	1259.467	1255.712	1247.451
37.5	1277.492	1256.463	1247.451	1242.945	1235.435
38.0	1263.974	1243.696	1234.684	1230.178	1222.667
38.5	1251.206	1230.929	1221.916	1218.161	1209.900
39.0	1239.190	1218.161	1209.149	1205.394	1197.883
39.5	1225.671	1205.394	1197.132	1192.626	1184.365
40.0	1212.904	1191.875	1184.365	1179.859	1172.349
40.5	1199.386	1179.108	1171.598	1167.091	1159.581
41.0	1186.618	1165.589	1158.830	1153.573	1146.063
41.5	1173.100	1152.822	1145.312	1140.806	1132.544
42.0	1160.332	1139.304	1132.544	1128.038	1119.777
42.5	1147.565	1126.536	1119.777	1114.520	1107.010
43.0	1134.046	1113.769	1107.010	1101.752	1093.491
43.5	1121.279	1100.250	1093.491	1088.985	1080.724
44.0	1107.761	1086.732	1079.973	1075.467	1067.956
44.5	1094.242	1073.213	1066.454	1061.948	1054.438
45.0	1080.724	1060.446	1053.687	1048.430	1041.670
45.5	1067.956	1046.928	1040.168	1035.662	1028.903
46.0	1054.438	1033.409	1026.650	1022.144	1016.136
46.5	1040.919	1019.891	1013.883	1009.376	1003.368
47.0	1027.401	1006.372	1000.364	995.858	989.850
47.5	1013.132	992.854	986.846	982.340	977.082
48.0	999.613	979.335	973.327	969.572	963.564
48.5	986.095	965.817	960.560	956.054	950.046
49.0	971.825	952.299	947.041	942.535	937.278
49.5	958.307	938.780	933.523	929.768	924.511
50.0	944.037	925.262	920.005	916.249	910.992
50.5	929.768	911.743	906.486	902.731	898.225
51.0	915.498	898.225	892.968	889.213	884.706
51.5	901.980	884.706	879.449	876.445	871.188
52.0	888.462	871.188	865.931	862.927	858.421
52.5	874.192	857.670	852.412	850.159	844.902
53.0	860.674	844.151	838.894	836.641	831.384
53.5	846.404	830.633	825.376	823.122	817.865
54.0	832.886	817.114	812.608	810.355	804.347
54.5	819.367	804.347	799.090	796.837	790.828

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55.0	805.849	791.579	786.322	784.069	778.061
55.5	793.081	778.061	772.804	770.551	765.294
56.0	778.812	764.543	759.285	757.783	751.775
56.5	765.294	751.775	746.142	744.490	738.557
57.0	752.526	738.257	732.849	731.047	725.414
57.5	739.308	725.189	719.631	717.979	712.121
58.0	726.090	712.271	706.338	704.836	698.978
58.5	712.797	699.279	693.270	691.919	686.361
59.0	699.729	686.211	680.127	678.851	673.518
59.5	687.037	672.993	666.759	665.858	660.826
60.0	674.044	659.850	653.541	652.790	647.909
60.5	661.202	647.007	640.774	639.647	634.841
61.0	648.584	634.165	628.081	626.805	622.073
61.5	635.066	621.472	615.464	614.037	609.456
62.0	621.773	608.405	602.396	601.345	596.538
62.5	608.179	596.313	590.080	589.254	584.297
63.0	595.112	585.649	580.617	580.241	576.186
63.5	581.893	574.008	570.027	569.201	564.995
64.0	573.933	562.667	559.062	557.410	552.604
64.5	561.541	550.576	546.670	545.168	540.662
65.0	547.647	537.658	534.429	533.002	528.646
65.5	533.452	524.590	521.661	520.985	516.554
66.0	519.784	511.823	509.194	508.894	504.162
66.5	506.265	498.755	496.502	496.502	492.296
67.0	492.897	485.762	483.960	484.185	480.355
67.5	479.754	472.995	471.343	471.793	468.038
68.0	466.461	460.228	458.726	459.326	455.421
68.5	453.093	447.235	446.033	446.859	443.029
69.0	439.274	434.167	433.266	433.716	430.187
69.5	425.831	421.325	420.273	420.799	417.569
70.0	412.538	408.332	407.581	407.806	404.952
70.5	399.470	395.264	394.738	394.964	392.260
71.0	386.102	382.271	382.121	382.421	379.492
71.5	372.733	369.279	369.579	369.804	367.251
72.0	359.741	356.211	356.812	357.112	354.934
72.5	346.748	343.368	344.345	344.645	342.843
73.0	333.905	330.826	332.178	332.553	330.976
73.5	321.438	318.434	320.011	320.687	318.960
74.0	309.122	306.042	307.995	308.521	307.394
74.5	296.805	293.876	296.054	296.579	295.753
75.0	284.413	281.784	284.263	284.788	284.112
75.5	272.171	269.693	272.547	273.223	272.472
76.0	259.779	258.052	260.981	261.732	261.131
76.5	248.063	246.561	249.490	250.316	249.791
77.0	236.648	234.995	238.225	238.976	238.150
77.5	224.857	223.730	226.959	227.560	226.734
78.0	213.366	212.465	215.694	216.595	215.769
78.5	201.950	201.500	204.579	205.630	204.954
79.0	190.985	190.535	193.689	194.966	194.440
79.5	180.020	179.795	182.949	184.301	183.851
80.0	169.206	169.281	172.210	174.087	173.487
80.5	158.316	158.992	161.996	163.798	163.348
81.0	147.877	148.928	151.857	153.735	153.434
81.5	137.813	138.939	141.944	143.821	143.596
82.0	128.425	129.176	132.255	134.208	133.983
82.5	119.037	119.713	122.717	124.670	124.520

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CANDELA TABULATION - (Cont.)

83.0	109.650	110.701	113.330	115.357	115.508
83.5	100.412	101.689	104.242	106.195	106.645
84.0	91.775	92.827	95.230	97.107	97.783
84.5	82.988	84.115	86.368	88.245	88.921
85.0	74.802	75.703	77.806	79.458	80.059
85.5	66.841	67.292	69.094	70.822	71.422
86.0	59.030	59.181	60.758	62.335	63.086
86.5	51.295	51.295	52.722	54.149	54.825
87.0	43.484	43.484	44.536	46.338	46.864
87.5	35.749	35.824	36.800	38.603	39.279
88.0	28.389	28.314	29.290	31.243	31.994
88.5	21.329	20.878	22.155	23.883	24.934
89.0	13.819	13.594	15.321	16.973	18.100
89.5	6.384	7.585	9.162	10.439	10.815
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.724	2.490	2.298	2.234	2.426
91.0	10.405	5.490	4.469	4.405	4.341
91.5	16.725	11.171	6.639	6.575	6.511
92.0	23.109	18.577	9.576	8.554	8.554
92.5	29.748	26.237	14.810	10.725	10.533
93.0	36.642	33.578	20.939	14.236	12.831
93.5	43.601	40.600	27.514	19.215	16.725
94.0	50.431	47.495	34.791	25.152	22.024
94.5	57.453	54.389	42.388	31.280	27.769
95.0	64.348	61.475	49.857	37.536	33.451
95.5	71.242	68.114	57.134	43.984	39.451
96.0	77.817	74.881	64.284	50.687	45.580
96.5	84.456	81.648	71.434	57.517	51.900
97.0	90.904	88.287	78.520	64.348	58.602
97.5	97.543	94.990	85.669	71.306	65.305
98.0	104.118	101.565	92.628	78.200	72.072
98.5	110.693	108.204	99.330	85.222	78.839
99.0	117.396	115.034	106.161	91.925	85.669
99.5	124.163	121.801	113.055	98.628	92.372
100.0	130.802	128.632	119.950	105.523	98.947
100.5	137.697	135.462	126.844	112.672	105.586
101.0	144.782	142.293	133.866	119.886	112.800
101.5	151.996	149.251	141.016	127.100	120.269
102.0	159.018	156.465	148.166	134.313	127.674
102.5	166.359	163.614	155.571	141.527	135.015
103.0	173.892	171.019	162.912	148.676	142.484
103.5	181.425	178.552	170.700	156.337	149.889
104.0	189.149	186.149	178.616	164.253	157.614
104.5	197.129	194.065	186.532	172.360	165.338
105.0	205.300	202.172	194.384	180.340	173.190
105.5	213.663	210.407	202.491	188.383	180.978
106.0	222.153	218.706	210.726	196.554	188.766
106.5	230.707	227.260	219.344	204.789	196.618
107.0	239.836	236.197	228.537	213.535	205.172
107.5	249.284	245.390	237.857	222.791	214.429
108.0	258.668	254.838	247.369	232.814	223.940
108.5	268.562	264.477	256.880	242.836	233.771
109.0	278.713	274.308	266.647	252.986	243.730
109.5	289.118	284.522	276.925	263.072	253.816
110.0	300.226	294.991	287.458	273.414	264.349
110.5	311.589	305.716	298.247	284.522	275.265

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111.0	323.079	316.951	309.418	296.076	286.245
111.5	334.825	328.505	320.781	307.822	297.544
112.0	347.018	340.379	332.080	319.568	308.333
112.5	359.275	352.572	343.507	331.250	319.760
113.0	372.106	365.148	355.572	343.316	331.697
113.5	385.320	378.298	368.340	356.338	344.529
114.0	398.726	391.704	381.873	370.191	358.764
114.5	412.579	405.557	395.662	384.618	373.894
115.0	426.623	419.792	409.962	399.173	389.214
115.5	441.306	434.156	424.644	413.664	404.344
116.0	456.116	449.094	439.837	428.921	419.729
116.5	471.756	464.415	455.541	444.561	436.135
117.0	488.034	480.055	471.373	461.414	453.052
117.5	500.036	492.247	485.864	476.927	470.224
118.0	515.357	506.483	500.738	492.950	485.481
118.5	533.167	523.464	515.931	507.824	499.206
119.0	550.595	540.189	533.167	524.677	514.463
119.5	568.214	558.000	551.424	541.785	531.571
120.0	586.407	576.449	569.746	560.489	549.637
120.5	604.473	595.153	588.641	580.343	568.916
121.0	623.433	614.240	607.665	600.132	589.407
121.5	642.201	633.136	626.624	620.177	609.452
122.0	661.990	652.415	646.669	640.286	629.561
122.5	681.141	671.566	666.459	660.075	648.584
123.0	700.931	691.994	686.887	681.780	669.651
123.5	721.359	712.421	708.591	703.484	691.355
124.0	741.787	733.488	729.657	725.189	713.698
124.5	762.214	753.916	750.724	746.255	735.403
125.0	782.642	774.343	771.152	767.321	756.469
125.5	803.708	795.410	792.218	788.388	776.897
126.0	824.136	815.838	813.922	809.454	797.325
126.5	844.564	836.265	835.627	831.797	819.029
127.0	865.630	857.332	857.332	854.140	842.011
127.5	886.697	877.759	877.759	875.844	864.992
128.0	907.124	898.187	898.826	897.549	886.697
128.5	927.552	917.977	919.254	919.254	907.763
129.0	947.980	937.766	939.681	940.320	929.467
129.5	968.408	958.194	960.748	962.024	951.810
130.0	988.836	978.622	981.814	983.729	975.430
130.5	1009.264	998.411	1003.518	1004.795	997.773
131.0	1029.692	1018.201	1023.946	1025.223	1018.201
131.5	1048.843	1037.352	1044.374	1044.374	1037.990
132.0	1068.632	1056.503	1064.164	1064.802	1057.142
132.5	1087.783	1076.293	1083.953	1084.591	1076.293
133.0	1106.934	1096.082	1103.104	1104.381	1094.805
133.5	1126.086	1115.233	1122.894	1124.170	1114.595
134.0	1145.237	1133.746	1141.406	1143.322	1133.746
134.5	1162.473	1152.259	1159.281	1160.558	1152.259
135.0	1179.709	1170.133	1176.517	1177.794	1168.856
135.5	1196.306	1188.646	1193.753	1194.391	1185.454
136.0	1212.904	1205.882	1209.712	1211.627	1202.690
136.5	1230.140	1222.480	1225.671	1228.863	1220.564
137.0	1246.099	1239.077	1242.269	1244.822	1237.162
137.5	1262.058	1254.398	1257.590	1259.505	1251.845
138.0	1277.379	1269.719	1272.272	1273.549	1265.889
138.5	1292.700	1284.401	1286.955	1287.593	1279.294

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-827U-L8-827D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1307.383	1299.084	1301.637	1301.637	1292.700
139.5	1322.065	1313.767	1315.682	1315.043	1305.468
140.0	1336.109	1327.172	1329.726	1329.087	1319.512
140.5	1349.515	1339.940	1342.493	1341.855	1331.641
141.0	1362.921	1353.345	1355.261	1353.984	1343.770
141.5	1375.050	1365.475	1368.028	1366.113	1354.622
142.0	1387.817	1378.242	1380.157	1377.604	1366.113
142.5	1399.947	1390.371	1392.286	1389.733	1376.965
143.0	1412.076	1401.862	1403.777	1401.223	1388.456
143.5	1423.566	1413.991	1415.267	1412.714	1399.308
144.0	1434.419	1425.481	1426.120	1422.928	1409.522
144.5	1445.271	1436.334	1436.972	1433.142	1419.736
145.0	1455.485	1447.186	1447.186	1442.717	1429.312
145.5	1466.337	1458.038	1457.400	1453.570	1439.525
146.0	1476.551	1468.252	1467.614	1463.145	1449.739
146.5	1486.765	1478.466	1477.189	1473.359	1459.953
147.0	1496.340	1488.680	1486.127	1483.573	1470.167
147.5	1505.916	1498.256	1495.702	1493.149	1479.743
148.0	1515.492	1507.831	1504.001	1502.086	1489.957
148.5	1525.067	1517.407	1512.300	1511.023	1500.171
149.0	1534.004	1526.982	1520.599	1519.960	1510.385
149.5	1542.942	1535.919	1528.259	1528.897	1519.960
150.0	1551.879	1544.857	1536.558	1537.196	1528.897
150.5	1560.816	1553.794	1544.218	1544.857	1537.835
151.0	1569.115	1562.093	1551.879	1552.517	1546.133
151.5	1578.052	1570.391	1560.178	1560.178	1553.794
152.0	1586.351	1578.690	1567.838	1567.200	1561.454
152.5	1594.650	1586.351	1575.498	1574.860	1568.476
153.0	1602.948	1594.011	1583.159	1582.520	1574.860
153.5	1610.609	1601.672	1590.819	1590.181	1580.605
154.0	1618.269	1609.332	1599.118	1597.841	1586.989
154.5	1626.568	1616.354	1606.779	1604.863	1593.373
155.0	1634.229	1623.376	1614.439	1612.524	1600.395
155.5	1641.251	1629.760	1622.099	1620.184	1607.417
156.0	1648.273	1636.782	1630.398	1627.206	1614.439
156.5	1655.295	1643.804	1638.059	1634.867	1621.461
157.0	1662.317	1650.826	1645.719	1642.527	1628.483
157.5	1668.701	1657.210	1652.741	1649.549	1635.505
158.0	1675.084	1663.594	1659.763	1656.571	1642.527
158.5	1682.106	1670.616	1666.785	1663.594	1650.188
159.0	1687.852	1676.999	1673.169	1670.616	1657.210
159.5	1694.235	1683.383	1679.553	1677.638	1664.232
160.0	1699.981	1689.128	1685.937	1684.021	1671.254
160.5	1705.726	1694.874	1691.682	1690.405	1678.276
161.0	1711.471	1700.619	1697.427	1696.789	1685.298
161.5	1717.217	1707.003	1702.534	1703.173	1692.320
162.0	1723.600	1712.748	1707.641	1709.556	1698.704
162.5	1729.346	1718.493	1712.748	1715.302	1704.449
163.0	1735.091	1724.239	1717.855	1721.047	1710.195
163.5	1740.836	1729.346	1722.962	1726.792	1715.302
164.0	1746.582	1734.453	1727.431	1731.899	1720.409
164.5	1751.050	1739.560	1731.899	1737.006	1725.515
165.0	1756.157	1744.667	1736.368	1742.113	1729.984
165.5	1761.264	1749.135	1740.836	1746.582	1734.453
166.0	1766.371	1753.604	1745.305	1751.050	1738.283
166.5	1771.478	1758.072	1749.774	1754.881	1742.751

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-827U-L8-827D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1775.947	1761.903	1753.604	1758.711	1746.582
167.5	1780.415	1765.733	1758.072	1762.541	1751.050
168.0	1784.884	1769.563	1761.903	1766.371	1754.881
168.5	1789.353	1773.393	1765.733	1770.201	1759.349
169.0	1793.183	1776.585	1769.563	1773.393	1763.179
169.5	1796.375	1779.777	1772.755	1776.585	1767.010
170.0	1799.566	1782.969	1775.947	1779.777	1771.478
170.5	1802.758	1786.161	1778.500	1782.969	1774.670
171.0	1805.950	1788.714	1781.054	1786.161	1777.862
171.5	1808.504	1791.268	1783.607	1789.353	1781.054
172.0	1811.057	1793.821	1785.522	1791.906	1783.607
172.5	1813.611	1796.375	1787.437	1793.821	1785.522
173.0	1816.164	1798.928	1789.353	1796.375	1786.799
173.5	1818.079	1800.843	1791.268	1797.651	1788.076
174.0	1819.994	1802.758	1793.183	1798.928	1788.714
174.5	1821.271	1804.035	1794.459	1800.205	1789.353
175.0	1822.548	1805.950	1795.736	1800.843	1789.353
175.5	1823.825	1807.227	1797.651	1801.482	1789.991
176.0	1825.101	1808.504	1798.928	1801.482	1789.991
176.5	1825.740	1809.780	1799.566	1802.120	1789.991
177.0	1826.378	1811.057	1800.843	1802.120	1789.353
177.5	1827.655	1812.334	1802.120	1802.120	1789.353
178.0	1828.293	1812.334	1802.758	1802.120	1789.991
178.5	1828.293	1812.972	1803.397	1802.120	1789.991
179.0	1828.932	1813.611	1803.397	1802.120	1789.991
179.5	1829.570	1813.611	1804.035	1802.120	1789.991
180.0	1807.227	1807.227	1807.227	1807.227	1807.227

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-827U-L8-827D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	647.08	N.A.	7.00
0-30	1352.81	N.A.	14.70
0-40	2173.32	N.A.	23.70
0-60	3692.95	N.A.	40.20
0-80	4522.43	N.A.	49.30
0-90	4610.08	N.A.	50.20
10-90	4441.18	N.A.	48.40
20-40	1526.24	N.A.	16.60
20-50	2340.75	N.A.	25.50
40-70	2047.76	N.A.	22.30
60-80	829.48	N.A.	9.00
70-80	301.36	N.A.	3.30
80-90	87.65	N.A.	1.00
90-110	261.54	N.A.	2.80
90-120	671.39	N.A.	7.30
90-130	1360.13	N.A.	14.80
90-150	3163.55	N.A.	34.50
90-180	4572.16	N.A.	49.80
110-180	4310.62	N.A.	46.90
0-180	9182.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.90
10-20	478.18
20-30	705.74
30-40	820.50
40-50	814.51
50-60	705.12
60-70	528.12
70-80	301.36
80-90	87.65
90-100	56.41
100-110	205.13
110-120	409.85
120-130	688.74
130-140	900.58
140-150	902.84
150-160	745.79
160-170	491.44
170-180	171.38

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-827U-L8-827D-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	48	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	54	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-L15-827U-L8-827D-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	20.0	21.3	18.2	19.0	19.2	20.0	21.2
	4H	18.9	19.6	19.9	20.6	21.9	18.8	19.6	19.8	20.5	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	19.5	20.2	20.5	21.2	22.5	19.5	20.1	20.5	21.1	22.5

UGR Viewed Endwise

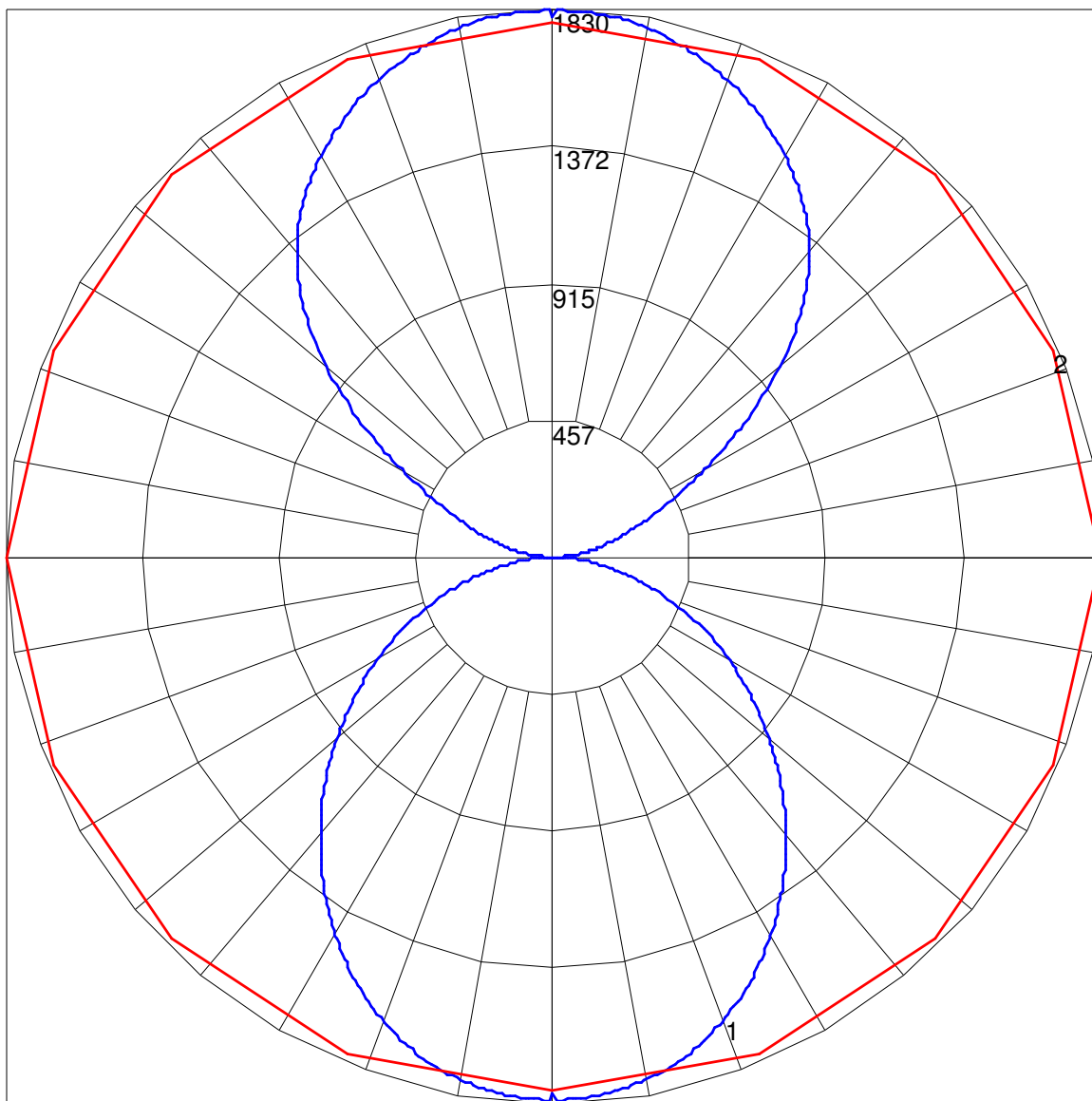
4H	2H	17.1	17.8	18.1	18.8	20.1	17.0	17.7	18.0	18.7	20.0
	3H	19.0	19.6	20.0	20.7	22.0	19.0	19.6	20.0	20.6	21.9
	4H	19.8	20.3	20.8	21.3	22.7	19.7	20.3	20.7	21.3	22.6
	6H	20.3	20.8	21.3	21.8	23.2	20.3	20.8	21.3	21.8	23.2
	8H	20.5	21.0	21.5	22.0	23.3	20.5	21.0	21.5	22.0	23.3
	12H	20.6	21.0	21.7	22.1	23.4	20.6	21.0	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	21.4	22.2	22.5	23.9	21.2	21.5	22.3	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	20.7	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	21.3	22.1	22.4	23.8

Maximum UGR = 23.9

POLAR GRAPH



Maximum Candela = 1829.57 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.)