

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15177918.03 & UL #15177918.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 2026-03-03

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4WUDC-4-00-L8-835U-L12-835D-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	8323
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	67.7
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	11289	11007	10881
55	10378	10126	10020
65	9572	9341	9240
75	8117	8113	8108
85	6339	6594	6785

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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	1638.073	1638.073	1638.073	1638.073	1638.073
0.5	1662.809	1639.447	1631.202	1634.638	1629.141
1.0	1662.809	1638.760	1631.202	1634.638	1629.141
1.5	1662.122	1638.073	1630.515	1634.638	1628.454
2.0	1661.435	1637.386	1629.828	1633.950	1628.454
2.5	1660.748	1636.699	1628.454	1633.263	1627.766
3.0	1659.374	1635.325	1627.766	1632.576	1626.392
3.5	1657.999	1633.950	1626.392	1631.202	1625.018
4.0	1656.625	1632.576	1625.018	1629.828	1623.644
4.5	1655.251	1630.515	1623.644	1628.454	1621.582
5.0	1653.877	1629.141	1621.582	1626.392	1619.521
5.5	1651.815	1627.079	1619.521	1624.331	1617.460
6.0	1649.754	1624.331	1617.460	1622.270	1614.711
6.5	1647.006	1622.270	1614.711	1619.521	1612.650
7.0	1644.944	1619.521	1612.650	1616.773	1609.902
7.5	1642.883	1616.773	1609.902	1614.024	1607.840
8.0	1639.447	1614.024	1606.466	1611.276	1605.092
8.5	1636.699	1610.589	1603.030	1607.840	1601.656
9.0	1633.263	1607.840	1600.282	1604.405	1598.221
9.5	1629.828	1604.405	1596.159	1600.282	1594.785
10.0	1626.392	1600.969	1592.724	1596.846	1590.662
10.5	1622.270	1596.846	1588.601	1592.724	1587.227
11.0	1618.834	1592.724	1584.478	1588.601	1582.417
11.5	1614.024	1588.601	1580.356	1584.478	1578.294
12.0	1609.902	1584.478	1576.233	1579.669	1573.485
12.5	1605.779	1579.669	1571.423	1574.859	1568.675
13.0	1600.969	1575.546	1566.614	1570.049	1563.865
13.5	1596.159	1570.049	1561.804	1564.552	1559.055
14.0	1591.350	1565.239	1556.307	1559.742	1554.246
14.5	1586.540	1560.430	1550.810	1554.246	1548.749
15.0	1581.730	1554.933	1545.313	1548.749	1543.252
15.5	1575.546	1550.123	1539.816	1542.565	1537.068
16.0	1568.675	1544.626	1533.632	1537.068	1531.571
16.5	1561.804	1538.442	1527.448	1530.884	1525.387
17.0	1555.620	1532.258	1521.264	1524.700	1519.203
17.5	1548.749	1525.387	1514.393	1517.829	1512.332
18.0	1541.878	1518.516	1507.522	1510.958	1505.461
18.5	1535.006	1511.645	1500.651	1503.399	1498.590
19.0	1528.135	1504.774	1494.467	1496.528	1490.344
19.5	1520.577	1497.902	1487.596	1488.283	1482.099
20.0	1513.706	1490.344	1481.412	1480.725	1473.854
20.5	1506.148	1483.473	1474.541	1472.479	1465.608
21.0	1498.590	1475.915	1466.982	1464.234	1456.676
21.5	1490.344	1468.357	1458.737	1455.989	1447.743
22.0	1482.786	1460.111	1449.805	1447.056	1439.498
22.5	1474.541	1451.866	1441.559	1438.124	1430.566
23.0	1466.295	1443.621	1433.314	1428.504	1421.633
23.5	1458.050	1435.375	1424.382	1419.572	1413.388
24.0	1449.118	1427.130	1416.136	1410.639	1404.455
24.5	1440.185	1418.198	1407.204	1401.707	1395.523
25.0	1431.940	1409.265	1398.271	1392.774	1386.590
25.5	1423.007	1400.333	1388.652	1383.842	1376.971
26.0	1413.388	1390.713	1379.719	1374.910	1368.038
26.5	1404.455	1381.781	1370.100	1365.977	1359.106

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27.0	1394.836	1372.161	1360.480	1357.045	1349.486
27.5	1385.216	1362.542	1351.548	1348.112	1340.554
28.0	1375.597	1352.235	1341.241	1338.493	1330.934
28.5	1365.290	1341.928	1331.622	1329.560	1321.315
29.0	1354.983	1332.309	1322.002	1319.941	1311.695
29.5	1345.364	1322.002	1312.382	1309.634	1302.763
30.0	1335.057	1311.695	1302.763	1300.014	1293.143
30.5	1324.750	1301.389	1292.456	1290.395	1283.524
31.0	1313.757	1291.769	1282.150	1280.088	1273.904
31.5	1303.450	1281.462	1271.843	1269.782	1263.598
32.0	1292.456	1270.469	1261.536	1258.788	1253.291
32.5	1281.462	1260.162	1251.230	1248.481	1242.297
33.0	1270.469	1249.855	1240.923	1238.174	1231.303
33.5	1260.162	1238.862	1229.929	1227.181	1220.997
34.0	1248.481	1227.868	1219.622	1216.187	1210.003
34.5	1237.487	1216.874	1207.942	1205.193	1198.322
35.0	1226.494	1206.567	1196.948	1194.199	1186.641
35.5	1214.813	1194.886	1185.954	1183.206	1174.960
36.0	1203.132	1183.893	1174.960	1171.525	1163.966
36.5	1192.138	1172.899	1163.966	1160.531	1152.973
37.0	1180.457	1161.218	1152.285	1148.850	1141.292
37.5	1168.776	1149.537	1141.292	1137.169	1130.298
38.0	1156.408	1137.856	1129.611	1125.488	1118.617
38.5	1144.727	1126.175	1117.930	1114.494	1106.936
39.0	1133.733	1114.494	1106.249	1102.813	1095.942
39.5	1121.365	1102.813	1095.255	1091.133	1083.574
40.0	1109.685	1090.445	1083.574	1079.452	1072.581
40.5	1097.317	1078.765	1071.893	1067.771	1060.900
41.0	1085.636	1066.397	1060.213	1055.403	1048.532
41.5	1073.268	1054.716	1047.845	1043.722	1036.164
42.0	1061.587	1042.348	1036.164	1032.041	1024.483
42.5	1049.906	1030.667	1024.483	1019.673	1012.802
43.0	1037.538	1018.986	1012.802	1007.992	1000.434
43.5	1025.857	1006.618	1000.434	996.311	988.753
44.0	1013.489	994.250	988.066	983.943	977.072
44.5	1001.121	981.882	975.698	971.575	964.704
45.0	988.753	970.201	964.017	959.207	953.023
45.5	977.072	957.833	951.649	947.526	941.342
46.0	964.704	945.465	939.281	935.158	929.661
46.5	952.336	933.097	927.600	923.477	917.981
47.0	939.968	920.729	915.232	911.109	905.613
47.5	926.913	908.361	902.864	898.741	893.932
48.0	914.545	895.993	890.496	887.061	881.564
48.5	902.177	883.625	878.815	874.693	869.196
49.0	889.122	871.257	866.447	862.325	857.515
49.5	876.754	858.889	854.079	850.644	845.834
50.0	863.699	846.521	841.711	838.276	833.466
50.5	850.644	834.153	829.343	825.908	821.785
51.0	837.589	821.785	816.975	813.540	809.417
51.5	825.221	809.417	804.607	801.859	797.049
52.0	812.853	797.049	792.239	789.491	785.368
52.5	799.797	784.681	779.871	777.810	773.000
53.0	787.429	772.313	767.503	765.442	760.632
53.5	774.374	759.945	755.135	753.074	748.264
54.0	762.006	747.577	743.454	741.393	735.896
54.5	749.638	735.896	731.086	729.025	723.528

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55.0	737.270	724.215	719.405	717.344	711.847
55.5	725.589	711.847	707.037	704.976	700.166
56.0	712.534	699.479	694.669	693.295	687.798
56.5	700.166	687.798	682.645	681.133	675.705
57.0	688.485	675.430	670.483	668.834	663.681
57.5	676.392	663.475	658.390	656.878	651.519
58.0	664.299	651.656	646.228	644.854	639.494
58.5	652.137	639.769	634.272	633.036	627.951
59.0	640.182	627.813	622.248	621.080	616.201
59.5	628.569	615.720	610.017	609.193	604.589
60.0	616.682	603.696	597.924	597.237	592.771
60.5	604.933	591.946	586.243	585.213	580.815
61.0	593.389	580.197	574.631	573.463	569.134
61.5	581.021	568.585	563.088	561.782	557.591
62.0	568.859	556.629	551.132	550.170	545.772
62.5	556.423	545.566	539.863	539.107	534.573
63.0	544.467	535.809	531.206	530.862	527.152
63.5	532.374	525.159	521.517	520.762	516.914
64.0	525.090	514.784	511.486	509.974	505.576
64.5	513.753	503.721	500.148	498.774	494.651
65.0	501.042	491.903	488.948	487.643	483.658
65.5	488.055	479.947	477.267	476.649	472.595
66.0	475.550	468.266	465.861	465.587	461.258
66.5	463.182	456.311	454.249	454.249	450.401
67.0	450.951	444.423	442.774	442.981	439.476
67.5	438.927	432.743	431.231	431.643	428.208
68.0	426.765	421.062	419.687	420.237	416.664
68.5	414.534	409.175	408.075	408.831	405.327
69.0	401.891	397.219	396.394	396.807	393.577
69.5	389.592	385.469	384.507	384.988	382.034
70.0	377.430	373.582	372.895	373.101	370.490
70.5	365.474	361.627	361.146	361.352	358.878
71.0	353.244	349.740	349.602	349.877	347.197
71.5	341.013	337.853	338.127	338.334	335.997
72.0	329.126	325.897	326.446	326.721	324.729
72.5	317.239	314.147	315.041	315.315	313.666
73.0	305.490	302.673	303.909	304.253	302.810
73.5	294.084	291.335	292.778	293.396	291.816
74.0	282.815	279.998	281.784	282.265	281.235
74.5	271.546	268.867	270.859	271.340	270.584
75.0	260.209	257.804	260.072	260.553	259.934
75.5	249.009	246.742	249.353	249.971	249.284
76.0	237.672	236.091	238.771	239.458	238.909
76.5	226.953	225.579	228.258	229.014	228.533
77.0	216.509	214.997	217.952	218.639	217.883
77.5	205.721	204.690	207.645	208.195	207.439
78.0	195.208	194.384	197.338	198.163	197.407
78.5	184.764	184.352	187.169	188.131	187.513
79.0	174.732	174.320	177.206	178.374	177.893
79.5	164.701	164.494	167.380	168.617	168.205
80.0	154.806	154.875	157.555	159.272	158.723
80.5	144.843	145.461	148.210	149.859	149.447
81.0	135.292	136.254	138.934	140.652	140.377
81.5	126.085	127.116	129.864	131.582	131.376
82.0	117.496	118.183	121.000	122.787	122.581
82.5	108.907	109.526	112.274	114.060	113.923

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83.0	100.318	101.280	103.685	105.540	105.678
83.5	91.867	93.035	95.371	97.157	97.570
84.0	83.965	84.927	87.126	88.843	89.462
84.5	75.926	76.956	79.018	80.736	81.354
85.0	68.436	69.261	71.185	72.696	73.246
85.5	61.153	61.565	63.214	64.795	65.344
86.0	54.007	54.144	55.587	57.030	57.717
86.5	46.930	46.930	48.235	49.541	50.159
87.0	39.784	39.784	40.746	42.395	42.876
87.5	32.707	32.775	33.668	35.317	35.936
88.0	25.973	25.904	26.797	28.584	29.271
88.5	19.514	19.102	20.270	21.850	22.812
89.0	12.643	12.437	14.017	15.529	16.559
89.5	5.841	6.940	8.383	9.551	9.894
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.241	2.235	2.063	2.006	2.178
91.0	9.342	4.929	4.012	3.954	3.897
91.5	15.016	10.029	5.960	5.903	5.846
92.0	20.747	16.678	8.597	7.680	7.680
92.5	26.707	23.555	13.296	9.628	9.456
93.0	32.897	30.146	18.798	12.780	11.520
93.5	39.144	36.450	24.701	17.251	15.016
94.0	45.276	42.640	31.235	22.581	19.772
94.5	51.580	48.829	38.055	28.083	24.930
95.0	57.770	55.191	44.760	33.699	30.031
95.5	63.959	61.151	51.294	39.487	35.418
96.0	69.862	67.226	57.712	45.505	40.920
96.5	75.823	73.301	64.131	51.637	46.594
97.0	81.611	79.262	70.493	57.770	52.612
97.5	87.572	85.279	76.912	64.017	58.629
98.0	93.475	91.182	83.159	70.206	64.704
98.5	99.378	97.143	89.176	76.511	70.779
99.0	105.395	103.275	95.309	82.528	76.912
99.5	111.470	109.350	101.498	88.546	82.929
100.0	117.431	115.482	107.688	94.736	88.833
100.5	123.620	121.615	113.878	101.154	94.793
101.0	129.982	127.747	120.182	107.631	101.269
101.5	136.458	133.994	126.601	114.107	107.974
102.0	142.762	140.470	133.020	120.583	114.623
102.5	149.353	146.889	139.668	127.059	121.213
103.0	156.116	153.537	146.258	133.478	127.919
103.5	162.879	160.300	153.250	140.355	134.567
104.0	169.813	167.120	160.357	147.462	141.502
104.5	176.977	174.226	167.464	154.740	148.436
105.0	184.313	181.505	174.513	161.904	155.486
105.5	191.821	188.898	181.791	169.126	162.478
106.0	199.443	196.348	189.185	176.461	169.469
106.5	207.123	204.028	196.922	183.855	176.519
107.0	215.319	212.052	205.174	191.706	184.198
107.5	223.801	220.305	213.542	200.016	192.509
108.0	232.225	228.787	222.081	209.014	201.048
108.5	241.109	237.441	230.621	218.012	209.874
109.0	250.221	246.267	239.389	227.125	218.815
109.5	259.563	255.436	248.616	236.180	227.870
110.0	269.535	264.835	258.073	245.464	237.326
110.5	279.736	274.464	267.758	255.436	247.126

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111.0	290.052	284.551	277.788	265.810	256.984
111.5	300.598	294.924	287.989	276.355	267.128
112.0	311.544	305.584	298.133	286.900	276.814
112.5	322.548	316.530	308.392	297.388	287.072
113.0	334.068	327.821	319.224	308.220	297.789
113.5	345.931	339.627	330.686	319.912	309.309
114.0	357.966	351.662	342.836	332.348	322.089
114.5	370.403	364.099	355.215	345.301	335.672
115.0	383.011	376.879	368.053	358.368	349.427
115.5	396.193	389.774	381.235	371.377	363.010
116.0	409.489	403.185	394.875	385.075	376.822
116.5	423.530	416.940	408.973	399.116	391.551
117.0	438.145	430.981	423.187	414.246	406.738
117.5	448.919	441.927	436.196	428.173	422.155
118.0	462.674	454.708	449.550	442.558	435.852
118.5	478.664	469.953	463.190	455.911	448.174
119.0	494.310	484.968	478.664	471.042	461.872
119.5	510.128	500.958	495.055	486.401	477.231
120.0	526.462	517.521	511.503	503.193	493.450
120.5	542.681	534.313	528.467	521.017	510.758
121.0	559.702	551.449	545.546	538.783	529.155
121.5	576.552	568.413	562.568	556.779	547.151
122.0	594.318	585.721	580.563	574.832	565.204
122.5	611.511	602.915	598.330	592.599	582.283
123.0	629.278	621.254	616.670	612.085	601.195
123.5	647.618	639.594	636.155	631.570	620.681
124.0	665.957	658.507	655.068	651.056	640.740
124.5	684.297	676.846	673.981	669.969	660.226
125.0	702.636	695.186	692.320	688.882	679.139
125.5	721.549	714.099	711.233	707.794	697.478
126.0	739.889	732.438	730.719	726.707	715.818
126.5	758.228	750.778	750.205	746.766	735.304
127.0	777.141	769.691	769.691	766.825	755.936
127.5	796.054	788.030	788.030	786.311	776.568
128.0	814.393	806.370	806.943	805.797	796.054
128.5	832.733	824.136	825.283	825.283	814.967
129.0	851.073	841.903	843.622	844.195	834.452
129.5	869.412	860.243	862.535	863.681	854.511
130.0	887.752	878.582	881.448	883.167	875.717
130.5	906.092	896.349	900.934	902.080	895.776
131.0	924.431	914.115	919.273	920.419	914.115
131.5	941.625	931.309	937.613	937.613	931.882
132.0	959.391	948.502	955.379	955.952	949.075
132.5	976.584	966.268	973.146	973.719	966.268
133.0	993.778	984.035	990.339	991.485	982.889
133.5	1010.971	1001.228	1008.106	1009.252	1000.655
134.0	1028.165	1017.849	1024.726	1026.445	1017.849
134.5	1043.639	1034.469	1040.773	1041.919	1034.469
135.0	1059.113	1050.516	1056.247	1057.393	1049.370
135.5	1074.014	1067.136	1071.721	1072.294	1064.271
136.0	1088.915	1082.610	1086.049	1087.768	1079.745
136.5	1104.389	1097.511	1100.377	1103.242	1095.792
137.0	1118.716	1112.412	1115.278	1117.570	1110.693
137.5	1133.044	1126.167	1129.032	1130.752	1123.874
138.0	1146.799	1139.922	1142.214	1143.360	1136.483
138.5	1160.554	1153.103	1155.396	1155.969	1148.518

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1173.735	1166.285	1168.577	1168.577	1160.554
139.5	1186.917	1179.466	1181.186	1180.613	1172.016
140.0	1199.525	1191.502	1193.794	1193.221	1184.624
140.5	1211.561	1202.964	1205.256	1204.683	1195.514
141.0	1223.596	1214.999	1216.719	1215.573	1206.403
141.5	1234.485	1225.889	1228.181	1226.462	1216.146
142.0	1245.948	1237.351	1239.070	1236.778	1226.462
142.5	1256.837	1248.240	1249.959	1247.667	1236.205
143.0	1267.726	1258.556	1260.275	1257.983	1246.521
143.5	1278.042	1269.445	1270.591	1268.299	1256.264
144.0	1287.785	1279.761	1280.334	1277.469	1265.433
144.5	1297.528	1289.504	1290.077	1286.639	1274.603
145.0	1306.697	1299.247	1299.247	1295.235	1283.200
145.5	1316.440	1308.990	1308.417	1304.978	1292.370
146.0	1325.610	1318.160	1317.587	1313.575	1301.539
146.5	1334.780	1327.330	1326.183	1322.745	1310.709
147.0	1343.377	1336.499	1334.207	1331.914	1319.879
147.5	1351.973	1345.096	1342.804	1340.511	1328.476
148.0	1360.570	1353.693	1350.254	1348.535	1337.646
148.5	1369.167	1362.289	1357.705	1356.558	1346.815
149.0	1377.190	1370.886	1365.155	1364.582	1355.985
149.5	1385.214	1378.910	1372.032	1372.605	1364.582
150.0	1393.238	1386.933	1379.483	1380.056	1372.605
150.5	1401.261	1394.957	1386.360	1386.933	1380.629
151.0	1408.712	1402.407	1393.238	1393.811	1388.080
151.5	1416.735	1409.858	1400.688	1400.688	1394.957
152.0	1424.186	1417.308	1407.565	1406.992	1401.834
152.5	1431.636	1424.186	1414.443	1413.870	1408.138
153.0	1439.087	1431.063	1421.320	1420.747	1413.870
153.5	1445.964	1437.940	1428.197	1427.624	1419.028
154.0	1452.841	1444.818	1435.648	1434.502	1424.759
154.5	1460.292	1451.122	1442.525	1440.806	1430.490
155.0	1467.169	1457.426	1449.403	1447.683	1436.794
155.5	1473.473	1463.157	1456.280	1454.561	1443.098
156.0	1479.778	1469.462	1463.730	1460.865	1449.403
156.5	1486.082	1475.766	1470.608	1467.742	1455.707
157.0	1492.386	1482.070	1477.485	1474.620	1462.011
157.5	1498.117	1487.801	1483.789	1480.924	1468.315
158.0	1503.848	1493.532	1490.094	1487.228	1474.620
158.5	1510.153	1499.837	1496.398	1493.532	1481.497
159.0	1515.311	1505.568	1502.129	1499.837	1487.801
159.5	1521.042	1511.299	1507.860	1506.141	1494.105
160.0	1526.200	1516.457	1513.591	1511.872	1500.410
160.5	1531.358	1521.615	1518.749	1517.603	1506.714
161.0	1536.516	1526.773	1523.907	1523.334	1513.018
161.5	1541.674	1532.504	1528.492	1529.065	1519.322
162.0	1547.405	1537.662	1533.077	1534.796	1525.054
162.5	1552.563	1542.820	1537.662	1539.954	1530.212
163.0	1557.721	1547.978	1542.247	1545.112	1535.370
163.5	1562.879	1552.563	1546.832	1550.270	1539.954
164.0	1568.037	1557.148	1550.844	1554.855	1544.539
164.5	1572.049	1561.733	1554.855	1559.440	1549.124
165.0	1576.634	1566.318	1558.867	1564.025	1553.136
165.5	1581.219	1570.329	1562.879	1568.037	1557.148
166.0	1585.803	1574.341	1566.891	1572.049	1560.587
166.5	1590.388	1578.353	1570.903	1575.487	1564.598

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1594.400	1581.792	1574.341	1578.926	1568.037
167.5	1598.412	1585.230	1578.353	1582.365	1572.049
168.0	1602.424	1588.669	1581.792	1585.803	1575.487
168.5	1606.436	1592.108	1585.230	1589.242	1579.499
169.0	1609.874	1594.973	1588.669	1592.108	1582.938
169.5	1612.740	1597.839	1591.535	1594.973	1586.377
170.0	1615.605	1600.704	1594.400	1597.839	1590.388
170.5	1618.471	1603.570	1596.693	1600.704	1593.254
171.0	1621.336	1605.862	1598.985	1603.570	1596.120
171.5	1623.629	1608.155	1601.278	1606.436	1598.985
172.0	1625.921	1610.447	1602.997	1608.728	1601.278
172.5	1628.214	1612.740	1604.716	1610.447	1602.997
173.0	1630.506	1615.032	1606.436	1612.740	1604.143
173.5	1632.226	1616.752	1608.155	1613.886	1605.289
174.0	1633.945	1618.471	1609.874	1615.032	1605.862
174.5	1635.091	1619.617	1611.020	1616.178	1606.436
175.0	1636.237	1621.336	1612.167	1616.752	1606.436
175.5	1637.384	1622.483	1613.886	1617.325	1607.009
176.0	1638.530	1623.629	1615.032	1617.325	1607.009
176.5	1639.103	1624.775	1615.605	1617.898	1607.009
177.0	1639.676	1625.921	1616.752	1617.898	1606.436
177.5	1640.822	1627.068	1617.898	1617.898	1606.436
178.0	1641.395	1627.068	1618.471	1617.898	1607.009
178.5	1641.395	1627.641	1619.044	1617.898	1607.009
179.0	1641.969	1628.214	1619.044	1617.898	1607.009
179.5	1642.542	1628.214	1619.617	1617.898	1607.009
180.0	1622.483	1622.483	1622.483	1622.483	1622.483

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	592.01	N.A.	7.10
0-30	1237.69	N.A.	14.90
0-40	1988.36	N.A.	23.90
0-60	3378.68	N.A.	40.60
0-80	4137.57	N.A.	49.70
0-90	4217.76	N.A.	50.70
10-90	4063.23	N.A.	48.80
20-40	1396.35	N.A.	16.80
20-50	2141.55	N.A.	25.70
40-70	1873.49	N.A.	22.50
60-80	758.89	N.A.	9.10
70-80	275.71	N.A.	3.30
80-90	80.19	N.A.	1.00
90-110	234.80	N.A.	2.80
90-120	602.76	N.A.	7.20
90-130	1221.09	N.A.	14.70
90-150	2840.15	N.A.	34.10
90-180	4104.77	N.A.	49.30
110-180	3869.97	N.A.	46.50
0-180	8322.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.53
10-20	437.48
20-30	645.68
30-40	750.68
40-50	745.20
50-60	645.12
60-70	483.18
70-80	275.71
80-90	80.19
90-100	50.64
100-110	184.16
110-120	367.95
120-130	618.33
130-140	808.52
140-150	810.54
150-160	669.55
160-170	441.21
170-180	153.86

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-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	39	35	38	34	30	31	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	25	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 : MX4WUDC-4-00-L8-835U-L12-835D-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	16.3	17.2	17.3	18.2	19.4	UGR Viewed Endwise			
	3H	18.1	18.9	19.0	19.8	21.1	16.2	17.1	17.2	18.1
	4H	18.7	19.4	19.7	20.4	21.7	18.0	18.8	18.9	19.7
	6H	19.1	19.8	20.1	20.8	22.1	18.6	19.4	19.6	20.3
	8H	19.3	19.9	20.2	20.9	22.2	19.1	19.8	20.1	20.7
	12H	19.3	20.0	20.3	20.9	22.3	19.2	19.9	20.2	20.9

4H	2H	16.9	17.6	17.8	18.6	19.9	16.8	17.5	17.7	18.5
	3H	18.8	19.4	19.8	20.4	21.7	18.7	19.4	19.7	20.4
	4H	19.6	20.1	20.5	21.1	22.4	19.5	20.1	20.5	21.1
	6H	20.1	20.6	21.1	21.6	22.9	20.1	20.6	21.1	21.6
	8H	20.3	20.7	21.3	21.8	23.1	20.3	20.7	21.3	21.8
	12H	20.4	20.8	21.4	21.8	23.2	20.4	20.8	21.5	21.9

8H	4H	19.8	20.3	20.8	21.3	22.6	19.8	20.2	20.8	21.2
	6H	20.5	20.9	21.5	21.9	23.3	20.5	20.9	21.5	21.9
	8H	20.8	21.1	21.8	22.1	23.5	20.8	21.1	21.8	22.1
	12H	20.9	21.2	22.0	22.3	23.7	21.0	21.3	22.0	22.3

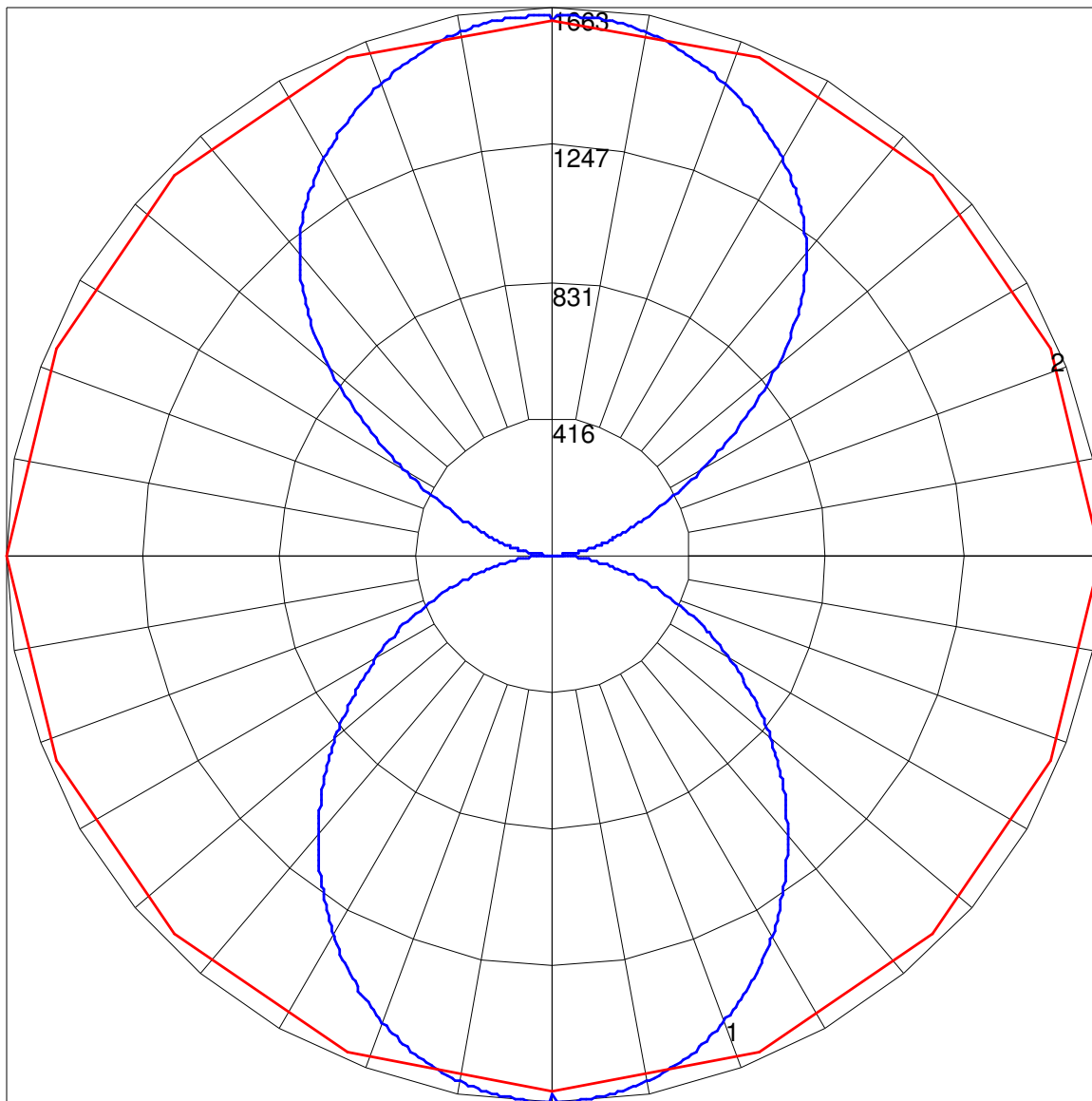
12H	4H	19.8	20.2	20.8	21.2	22.6	19.7	20.2	20.8	21.2
	6H	20.5	20.9	21.6	21.9	23.3	20.5	20.9	21.6	21.9
	8H	20.8	21.1	21.9	22.2	23.6	20.8	21.1	21.9	22.2

Maximum UGR = 23.7

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-835U-L12-835D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1662.809 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.)