

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-835U-L8-835D-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] MX4WUDC-4-00-L12-835U-L8-835D-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	8248
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	68.4
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	11222	10941	10816
55	10316	10066	9960
65	9514	9285	9184
75	8068	8064	8060
85	6302	6555	6744

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-835U-L8-835D-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	1628.281	1628.281	1628.281	1628.281	1628.281
0.5	1652.869	1629.647	1621.451	1624.866	1619.402
1.0	1652.869	1628.964	1621.451	1624.866	1619.402
1.5	1652.186	1628.281	1620.768	1624.866	1618.719
2.0	1651.503	1627.598	1620.085	1624.183	1618.719
2.5	1650.820	1626.915	1618.719	1623.500	1618.036
3.0	1649.454	1625.549	1618.036	1622.817	1616.670
3.5	1648.088	1624.183	1616.670	1621.451	1615.304
4.0	1646.722	1622.817	1615.304	1620.085	1613.938
4.5	1645.356	1620.768	1613.938	1618.719	1611.889
5.0	1643.990	1619.402	1611.889	1616.670	1609.840
5.5	1641.941	1617.353	1609.840	1614.621	1607.791
6.0	1639.892	1614.621	1607.791	1612.572	1605.059
6.5	1637.160	1612.572	1605.059	1609.840	1603.010
7.0	1635.111	1609.840	1603.010	1607.108	1600.278
7.5	1633.062	1607.108	1600.278	1604.376	1598.229
8.0	1629.647	1604.376	1596.863	1601.644	1595.497
8.5	1626.915	1600.961	1593.448	1598.229	1592.082
9.0	1623.500	1598.229	1590.716	1594.814	1588.667
9.5	1620.085	1594.814	1586.618	1590.716	1585.252
10.0	1616.670	1591.399	1583.203	1587.301	1581.154
10.5	1612.572	1587.301	1579.105	1583.203	1577.739
11.0	1609.157	1583.203	1575.006	1579.105	1572.957
11.5	1604.376	1579.105	1570.908	1575.006	1568.859
12.0	1600.278	1575.006	1566.810	1570.225	1564.078
12.5	1596.180	1570.225	1562.029	1565.444	1559.297
13.0	1591.399	1566.127	1557.248	1560.663	1554.516
13.5	1586.618	1560.663	1552.467	1555.199	1549.735
14.0	1581.837	1555.882	1547.003	1550.418	1544.954
14.5	1577.056	1551.101	1541.539	1544.954	1539.490
15.0	1572.274	1545.637	1536.075	1539.490	1534.026
15.5	1566.127	1540.856	1530.611	1533.343	1527.879
16.0	1559.297	1535.392	1524.464	1527.879	1522.415
16.5	1552.467	1529.245	1518.317	1521.732	1516.268
17.0	1546.320	1523.098	1512.170	1515.585	1510.121
17.5	1539.490	1516.268	1505.340	1508.755	1503.291
18.0	1532.660	1509.438	1498.510	1501.925	1496.461
18.5	1525.830	1502.608	1491.680	1494.412	1489.631
19.0	1519.000	1495.778	1485.533	1487.582	1481.435
19.5	1511.487	1488.948	1478.703	1479.386	1473.239
20.0	1504.657	1481.435	1472.556	1471.873	1465.043
20.5	1497.144	1474.605	1465.726	1463.677	1456.847
21.0	1489.631	1467.092	1458.213	1455.481	1447.968
21.5	1481.435	1459.579	1450.017	1447.285	1439.089
22.0	1473.922	1451.383	1441.138	1438.406	1430.893
22.5	1465.726	1443.187	1432.942	1429.527	1422.014
23.0	1457.530	1434.991	1424.746	1419.965	1413.135
23.5	1449.334	1426.795	1415.867	1411.086	1404.939
24.0	1440.455	1418.599	1407.671	1402.207	1396.060
24.5	1431.576	1409.720	1398.792	1393.328	1387.180
25.0	1423.380	1400.841	1389.912	1384.448	1378.301
25.5	1414.501	1391.962	1380.350	1375.569	1368.739
26.0	1404.939	1382.399	1371.471	1366.690	1359.860
26.5	1396.060	1373.520	1361.909	1357.811	1350.981

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27.0	1386.497	1363.958	1352.347	1348.932	1341.419
27.5	1376.935	1354.396	1343.468	1340.053	1332.540
28.0	1367.373	1344.151	1333.223	1330.491	1322.978
28.5	1357.128	1333.906	1323.661	1321.612	1313.416
29.0	1346.883	1324.344	1314.099	1312.050	1303.854
29.5	1337.321	1314.099	1304.537	1301.805	1294.975
30.0	1327.076	1303.854	1294.975	1292.243	1285.413
30.5	1316.831	1293.609	1284.730	1282.681	1275.851
31.0	1305.903	1284.047	1274.485	1272.436	1266.289
31.5	1295.658	1273.802	1264.240	1262.191	1256.044
32.0	1284.730	1262.874	1253.995	1251.263	1245.799
32.5	1273.802	1252.629	1243.750	1241.018	1234.871
33.0	1262.874	1242.384	1233.505	1230.773	1223.943
33.5	1252.629	1231.456	1222.577	1219.845	1213.698
34.0	1241.018	1220.528	1212.332	1208.917	1202.769
34.5	1230.090	1209.600	1200.720	1197.988	1191.158
35.0	1219.162	1199.354	1189.792	1187.060	1179.547
35.5	1207.551	1187.743	1178.864	1176.132	1167.936
36.0	1195.939	1176.815	1167.936	1164.521	1157.008
36.5	1185.011	1165.887	1157.008	1153.593	1146.080
37.0	1173.400	1154.276	1145.397	1141.982	1134.469
37.5	1161.789	1142.665	1134.469	1130.371	1123.541
38.0	1149.495	1131.054	1122.858	1118.760	1111.930
38.5	1137.884	1119.443	1111.247	1107.832	1100.319
39.0	1126.956	1107.832	1099.636	1096.221	1089.391
39.5	1114.662	1096.221	1088.708	1084.610	1077.097
40.0	1103.051	1083.927	1077.097	1072.999	1066.169
40.5	1090.757	1072.316	1065.486	1061.388	1054.558
41.0	1079.146	1060.022	1053.875	1049.094	1042.264
41.5	1066.852	1048.411	1041.581	1037.483	1029.970
42.0	1055.241	1036.117	1029.970	1025.872	1018.358
42.5	1043.630	1024.506	1018.358	1013.577	1006.747
43.0	1031.336	1012.894	1006.747	1001.966	994.453
43.5	1019.724	1000.600	994.453	990.355	982.842
44.0	1007.430	988.306	982.159	978.061	971.231
44.5	995.136	976.012	969.865	965.767	958.937
45.0	982.842	964.401	958.254	953.473	947.326
45.5	971.231	952.107	945.960	941.862	935.715
46.0	958.937	939.813	933.666	929.568	924.104
46.5	946.643	927.519	922.055	917.957	912.493
47.0	934.349	915.225	909.761	905.663	900.199
47.5	921.372	902.931	897.467	893.369	888.588
48.0	909.078	890.637	885.173	881.758	876.294
48.5	896.784	878.343	873.562	869.464	864.000
49.0	883.807	866.049	861.268	857.170	852.389
49.5	871.513	853.755	848.974	845.559	840.778
50.0	858.536	841.461	836.680	833.264	828.483
50.5	845.559	829.166	824.385	820.970	816.872
51.0	832.581	816.872	812.091	808.676	804.578
51.5	820.287	804.578	799.797	797.065	792.284
52.0	807.993	792.284	787.503	784.771	780.673
52.5	795.016	779.990	775.209	773.160	768.379
53.0	782.722	767.696	762.915	760.866	756.085
53.5	769.745	755.402	750.621	748.572	743.791
54.0	757.451	743.108	739.010	736.961	731.497
54.5	745.157	731.497	726.716	724.667	719.203

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55.0	732.863	719.886	715.105	713.056	707.592
55.5	721.252	707.592	702.811	700.762	695.981
56.0	708.275	695.298	690.517	689.151	683.687
56.5	695.981	683.687	678.564	677.062	671.666
57.0	684.370	671.393	666.475	664.836	659.713
57.5	672.349	659.508	654.454	652.952	647.624
58.0	660.328	647.761	642.365	640.999	635.672
58.5	648.239	635.945	630.481	629.251	624.197
59.0	636.355	624.060	618.528	617.367	612.518
59.5	624.812	612.040	606.371	605.551	600.975
60.0	612.996	600.087	594.350	593.667	589.227
60.5	601.316	588.408	582.739	581.714	577.343
61.0	589.842	576.728	571.196	570.035	565.732
61.5	577.548	565.186	559.722	558.424	554.258
62.0	565.459	553.301	547.837	546.881	542.510
62.5	553.096	542.305	536.636	535.885	531.377
63.0	541.212	532.606	528.030	527.689	524.000
63.5	529.191	522.020	518.400	517.649	513.824
64.0	521.951	511.706	508.428	506.925	502.554
64.5	510.682	500.710	497.158	495.792	491.694
65.0	498.046	488.962	486.025	484.728	480.766
65.5	485.138	477.078	474.414	473.800	469.770
66.0	472.707	465.467	463.076	462.803	458.500
66.5	460.413	453.583	451.534	451.534	447.709
67.0	448.255	441.767	440.128	440.332	436.849
67.5	436.303	430.156	428.653	429.063	425.648
68.0	424.214	418.545	417.179	417.725	414.173
68.5	412.056	406.729	405.636	406.387	402.904
69.0	399.489	394.844	394.025	394.435	391.224
69.5	387.263	383.165	382.209	382.687	379.750
70.0	375.174	371.349	370.666	370.871	368.276
70.5	363.290	359.465	358.987	359.192	356.733
71.0	351.132	347.649	347.512	347.786	345.122
71.5	338.975	335.833	336.106	336.311	333.989
72.0	327.159	323.949	324.495	324.768	322.788
72.5	315.343	312.269	313.157	313.430	311.791
73.0	303.663	300.863	302.093	302.434	301.000
73.5	292.326	289.594	291.028	291.643	290.072
74.0	281.124	278.324	280.100	280.578	279.553
74.5	269.923	267.259	269.240	269.718	268.967
75.0	258.653	256.263	258.517	258.995	258.380
75.5	247.521	245.267	247.862	248.477	247.794
76.0	236.251	234.680	237.344	238.027	237.480
76.5	225.596	224.230	226.894	227.645	227.167
77.0	215.214	213.712	216.649	217.332	216.580
77.5	204.491	203.467	206.404	206.950	206.199
78.0	194.041	193.222	196.159	196.978	196.227
78.5	183.660	183.250	186.050	187.006	186.392
79.0	173.688	173.278	176.147	177.308	176.830
79.5	163.716	163.511	166.380	167.609	167.199
80.0	153.881	153.949	156.613	158.320	157.774
80.5	143.977	144.592	147.324	148.963	148.553
81.0	134.483	135.440	138.103	139.811	139.538
81.5	125.331	126.356	129.088	130.795	130.590
82.0	116.794	117.477	120.277	122.053	121.848
82.5	108.256	108.871	111.603	113.379	113.242

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83.0	99.719	100.675	103.065	104.909	105.046
83.5	91.318	92.479	94.801	96.577	96.987
84.0	83.463	84.419	86.605	88.312	88.927
84.5	75.472	76.496	78.545	80.253	80.868
85.0	68.027	68.847	70.759	72.262	72.808
85.5	60.787	61.197	62.836	64.407	64.954
86.0	53.684	53.821	55.255	56.689	57.372
86.5	46.649	46.649	47.947	49.245	49.859
87.0	39.546	39.546	40.502	42.141	42.619
87.5	32.511	32.579	33.467	35.106	35.721
88.0	25.818	25.749	26.637	28.413	29.096
88.5	19.397	18.987	20.149	21.719	22.676
89.0	12.567	12.362	13.933	15.436	16.460
89.5	5.806	6.898	8.333	9.494	9.835
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.190	2.208	2.038	1.982	2.152
91.0	9.229	4.869	3.963	3.907	3.850
91.5	14.834	9.908	5.888	5.832	5.775
92.0	20.496	16.476	8.493	7.587	7.587
92.5	26.384	23.270	13.136	9.512	9.342
93.0	32.499	29.781	18.571	12.626	11.380
93.5	38.671	36.009	24.403	17.042	14.834
94.0	44.729	42.124	30.857	22.308	19.533
94.5	50.957	48.239	37.595	27.743	24.629
95.0	57.072	54.524	44.219	33.292	29.668
95.5	63.186	60.412	50.674	39.010	34.990
96.0	69.018	66.414	57.015	44.955	40.426
96.5	74.906	72.415	63.356	51.013	46.031
97.0	80.625	78.304	69.641	57.072	51.976
97.5	86.513	84.249	75.982	63.243	57.921
98.0	92.345	90.080	82.154	69.358	63.922
98.5	98.177	95.969	88.099	75.586	69.924
99.0	104.122	102.027	94.157	81.531	75.982
99.5	110.123	108.028	100.272	87.476	81.927
100.0	116.012	114.087	106.386	93.591	87.759
100.5	122.126	120.145	112.501	99.932	93.647
101.0	128.411	126.203	118.729	106.330	100.045
101.5	134.809	132.374	125.071	112.728	106.669
102.0	141.037	138.772	131.412	119.126	113.237
102.5	147.548	145.114	137.980	125.523	119.748
103.0	154.229	151.681	144.491	131.865	126.373
103.5	160.910	158.362	151.398	138.659	132.941
104.0	167.761	165.100	158.419	145.680	139.791
104.5	174.838	172.121	165.440	152.870	146.642
105.0	182.085	179.311	172.404	159.948	153.606
105.5	189.503	186.615	179.594	167.082	160.514
106.0	197.033	193.975	186.898	174.329	167.421
106.5	204.620	201.562	194.542	181.633	174.385
107.0	212.716	209.489	202.695	189.389	181.972
107.5	221.096	217.642	210.961	197.599	190.182
108.0	229.419	226.022	219.397	206.488	198.618
108.5	238.195	234.571	227.833	215.377	207.337
109.0	247.197	243.290	236.496	224.380	216.170
109.5	256.426	252.349	245.612	233.325	225.116
110.0	266.277	261.635	254.954	242.498	234.458
110.5	276.355	271.147	264.522	252.349	244.139

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111.0	286.547	281.111	274.430	262.597	253.878
111.5	296.965	291.359	284.509	273.015	263.899
112.0	307.779	301.890	294.530	283.433	273.468
112.5	318.650	312.705	304.665	293.794	283.603
113.0	330.030	323.858	315.366	304.495	294.190
113.5	341.750	335.522	326.689	316.045	305.571
114.0	353.640	347.412	338.693	328.331	318.197
114.5	365.926	359.698	350.922	341.127	331.615
115.0	378.382	372.324	363.605	354.036	345.204
115.5	391.404	385.063	376.627	366.889	358.622
116.0	404.540	398.312	390.102	380.420	372.267
116.5	418.412	411.900	404.030	394.292	386.818
117.0	432.849	425.772	418.072	409.239	401.822
117.5	443.494	436.586	430.924	422.998	417.053
118.0	457.082	449.212	444.116	437.209	430.585
118.5	472.879	464.273	457.592	450.401	442.758
119.0	488.336	479.107	472.879	465.348	456.289
119.5	503.962	494.903	489.072	480.522	471.463
120.0	520.099	511.266	505.321	497.111	487.486
120.5	536.122	527.855	522.080	514.720	504.585
121.0	552.937	544.784	538.953	532.272	522.760
121.5	569.583	561.543	555.768	550.050	540.538
122.0	587.135	578.642	573.547	567.885	558.373
122.5	604.121	595.628	591.098	585.436	575.245
123.0	621.672	613.746	609.216	604.687	593.929
123.5	639.790	631.864	628.467	623.937	613.180
124.0	657.908	650.548	647.151	643.187	632.996
124.5	676.026	668.666	665.835	661.872	652.246
125.0	694.144	686.784	683.953	680.556	670.931
125.5	712.828	705.468	702.637	699.240	689.049
126.0	730.946	723.586	721.887	717.924	707.167
126.5	749.064	741.704	741.138	737.741	726.417
127.0	767.748	760.388	760.388	757.557	746.800
127.5	786.433	778.506	778.506	776.807	767.182
128.0	804.551	796.624	797.190	796.058	786.433
128.5	822.668	814.176	815.308	815.308	805.117
129.0	840.786	831.727	833.426	833.992	824.367
129.5	858.904	849.845	852.110	853.243	844.184
130.0	877.022	867.963	870.794	872.493	865.132
130.5	895.140	885.515	890.045	891.177	884.949
131.0	913.258	903.067	908.163	909.295	903.067
131.5	930.244	920.053	926.281	926.281	920.619
132.0	947.796	937.038	943.832	944.399	937.604
132.5	964.781	954.590	961.384	961.950	954.590
133.0	981.767	972.142	978.370	979.502	971.009
133.5	998.752	989.127	995.921	997.054	988.561
134.0	1015.738	1005.547	1012.341	1014.039	1005.547
134.5	1031.025	1021.966	1028.194	1029.326	1021.966
135.0	1046.312	1037.819	1043.481	1044.613	1036.687
135.5	1061.033	1054.239	1058.768	1059.334	1051.408
136.0	1075.754	1069.526	1072.923	1074.621	1066.695
136.5	1091.041	1084.246	1087.077	1089.908	1082.548
137.0	1105.195	1098.967	1101.798	1104.063	1097.269
137.5	1119.350	1112.556	1115.387	1117.085	1110.291
138.0	1132.938	1126.144	1128.409	1129.541	1122.747
138.5	1146.527	1139.167	1141.431	1141.997	1134.637

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

139.0	1159.549	1152.189	1154.454	1154.454	1146.527
139.5	1172.572	1165.211	1166.910	1166.343	1157.851
140.0	1185.028	1177.101	1179.366	1178.800	1170.307
140.5	1196.918	1188.425	1190.689	1190.123	1181.064
141.0	1208.807	1200.315	1202.013	1200.881	1191.822
141.5	1219.565	1211.072	1213.337	1211.638	1201.447
142.0	1230.889	1222.396	1224.094	1221.830	1211.638
142.5	1241.646	1233.153	1234.852	1232.587	1221.264
143.0	1252.404	1243.345	1245.043	1242.779	1231.455
143.5	1262.595	1254.102	1255.235	1252.970	1241.080
144.0	1272.220	1264.294	1264.860	1262.029	1250.139
144.5	1281.845	1273.919	1274.485	1271.088	1259.198
145.0	1290.904	1283.544	1283.544	1279.581	1267.691
145.5	1300.530	1293.169	1292.603	1289.206	1276.750
146.0	1309.589	1302.228	1301.662	1297.699	1285.809
146.5	1318.648	1311.287	1310.155	1306.758	1294.868
147.0	1327.140	1320.346	1318.081	1315.817	1303.927
147.5	1335.633	1328.839	1326.574	1324.309	1312.420
148.0	1344.126	1337.332	1333.935	1332.236	1321.478
148.5	1352.619	1345.824	1341.295	1340.163	1330.537
149.0	1360.545	1354.317	1348.655	1348.089	1339.596
149.5	1368.472	1362.244	1355.450	1356.016	1348.089
150.0	1376.399	1370.170	1362.810	1363.376	1356.016
150.5	1384.325	1378.097	1369.604	1370.170	1363.942
151.0	1391.686	1385.458	1376.399	1376.965	1371.303
151.5	1399.612	1392.818	1383.759	1383.759	1378.097
152.0	1406.973	1400.178	1390.553	1389.987	1384.891
152.5	1414.333	1406.973	1397.347	1396.781	1391.119
153.0	1421.693	1413.767	1404.142	1403.575	1396.781
153.5	1428.488	1420.561	1410.936	1410.370	1401.877
154.0	1435.282	1427.355	1418.296	1417.164	1407.539
154.5	1442.642	1433.583	1425.091	1423.392	1413.201
155.0	1449.437	1439.811	1431.885	1430.186	1419.429
155.5	1455.665	1445.473	1438.679	1436.980	1425.657
156.0	1461.893	1451.701	1446.039	1443.209	1431.885
156.5	1468.121	1457.929	1452.834	1450.003	1438.113
157.0	1474.349	1464.157	1459.628	1456.797	1444.341
157.5	1480.011	1469.819	1465.856	1463.025	1450.569
158.0	1485.672	1475.481	1472.084	1469.253	1456.797
158.5	1491.901	1481.709	1478.312	1475.481	1463.591
159.0	1496.996	1487.371	1483.974	1481.709	1469.819
159.5	1502.658	1493.033	1489.636	1487.937	1476.047
160.0	1507.754	1498.129	1495.298	1493.599	1482.275
160.5	1512.849	1503.224	1500.393	1499.261	1488.503
161.0	1517.945	1508.320	1505.489	1504.923	1494.731
161.5	1523.041	1513.982	1510.018	1510.585	1500.960
162.0	1528.703	1519.077	1514.548	1516.247	1506.621
162.5	1533.798	1524.173	1519.077	1521.342	1511.717
163.0	1538.894	1529.269	1523.607	1526.438	1516.813
163.5	1543.990	1533.798	1528.136	1531.534	1521.342
164.0	1549.085	1538.328	1532.100	1536.063	1525.872
164.5	1553.049	1542.857	1536.063	1540.593	1530.401
165.0	1557.578	1547.387	1540.026	1545.122	1534.364
165.5	1562.108	1551.350	1543.990	1549.085	1538.328
166.0	1566.637	1555.313	1547.953	1553.049	1541.725
166.5	1571.167	1559.277	1551.916	1556.446	1545.688

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

167.0	1575.130	1562.674	1555.313	1559.843	1549.085
167.5	1579.093	1566.071	1559.277	1563.240	1553.049
168.0	1583.056	1569.468	1562.674	1566.637	1556.446
168.5	1587.020	1572.865	1566.071	1570.034	1560.409
169.0	1590.417	1575.696	1569.468	1572.865	1563.806
169.5	1593.248	1578.527	1572.299	1575.696	1567.203
170.0	1596.079	1581.358	1575.130	1578.527	1571.167
170.5	1598.910	1584.189	1577.395	1581.358	1573.998
171.0	1601.741	1586.454	1579.659	1584.189	1576.828
171.5	1604.005	1588.718	1581.924	1587.020	1579.659
172.0	1606.270	1590.983	1583.623	1589.285	1581.924
172.5	1608.535	1593.248	1585.321	1590.983	1583.623
173.0	1610.800	1595.513	1587.020	1593.248	1584.755
173.5	1612.498	1597.211	1588.718	1594.380	1585.887
174.0	1614.197	1598.910	1590.417	1595.513	1586.454
174.5	1615.329	1600.042	1591.549	1596.645	1587.020
175.0	1616.461	1601.741	1592.682	1597.211	1587.020
175.5	1617.594	1602.873	1594.380	1597.777	1587.586
176.0	1618.726	1604.005	1595.513	1597.777	1587.586
176.5	1619.292	1605.138	1596.079	1598.344	1587.586
177.0	1619.859	1606.270	1597.211	1598.344	1587.020
177.5	1620.991	1607.402	1598.344	1598.344	1587.020
178.0	1621.557	1607.402	1598.910	1598.344	1587.586
178.5	1621.557	1607.969	1599.476	1598.344	1587.586
179.0	1622.123	1608.535	1599.476	1598.344	1587.586
179.5	1622.690	1608.535	1600.042	1598.344	1587.586
180.0	1602.873	1602.873	1602.873	1602.873	1602.873



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

Zone	Lumens	%Lamp	%Fixt
0-20	588.47	N.A.	7.10
0-30	1230.29	N.A.	14.90
0-40	1976.48	N.A.	24.00
0-60	3358.48	N.A.	40.70
0-80	4112.84	N.A.	49.90
0-90	4192.54	N.A.	50.80
10-90	4038.94	N.A.	49.00
20-40	1388.01	N.A.	16.80
20-50	2128.75	N.A.	25.80
40-70	1862.29	N.A.	22.60
60-80	754.36	N.A.	9.10
70-80	274.06	N.A.	3.30
80-90	79.71	N.A.	1.00
90-110	231.96	N.A.	2.80
90-120	595.47	N.A.	7.20
90-130	1206.33	N.A.	14.60
90-150	2805.83	N.A.	34.00
90-180	4055.16	N.A.	49.20
110-180	3823.2	N.A.	46.40
0-180	8247.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.60
10-20	434.87
20-30	641.82
30-40	746.19
40-50	740.74
50-60	641.26
60-70	480.29
70-80	274.06
80-90	79.71
90-100	50.03
100-110	181.93
110-120	363.51
120-130	610.86
130-140	798.75
140-150	800.75
150-160	661.46
160-170	435.87
170-180	152.00

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-835U-L8-835D-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	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 : MX4WUDC-4-00-L12-835U-L8-835D-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	16.2	17.1	17.2	18.1	19.3	16.1	17.0	17.1	18.0	19.2
	3H	18.0	18.8	19.0	19.8	21.0	17.9	18.7	18.9	19.7	20.9
	4H	18.6	19.4	19.6	20.3	21.6	18.5	19.3	19.5	20.3	21.5
	6H	19.0	19.7	20.0	20.7	22.0	19.0	19.7	20.0	20.7	22.0
	8H	19.2	19.8	20.2	20.8	22.1	19.1	19.8	20.1	20.8	22.1
	12H	19.3	19.9	20.3	20.9	22.2	19.2	19.9	20.2	20.9	22.2

### UGR Viewed Endwise

4H	2H	16.8	17.5	17.7	18.5	19.8	16.7	17.4	17.7	18.4	19.7
	3H	18.7	19.4	19.7	20.4	21.7	18.7	19.3	19.7	20.3	21.6
	4H	19.5	20.0	20.5	21.0	22.4	19.4	20.0	20.4	21.0	22.3
	6H	20.0	20.5	21.0	21.5	22.9	20.0	20.5	21.0	21.5	22.8
	8H	20.2	20.7	21.2	21.7	23.0	20.2	20.7	21.2	21.7	23.0
	12H	20.3	20.7	21.3	21.8	23.1	20.3	20.8	21.4	21.8	23.1

8H	4H	19.7	20.2	20.7	21.2	22.5	19.7	20.1	20.7	21.1	22.5
	6H	20.4	20.8	21.4	21.8	23.2	20.4	20.8	21.4	21.8	23.2
	8H	20.7	21.0	21.7	22.0	23.4	20.7	21.0	21.7	22.1	23.4
	12H	20.9	21.2	21.9	22.2	23.6	20.9	21.2	21.9	22.2	23.6

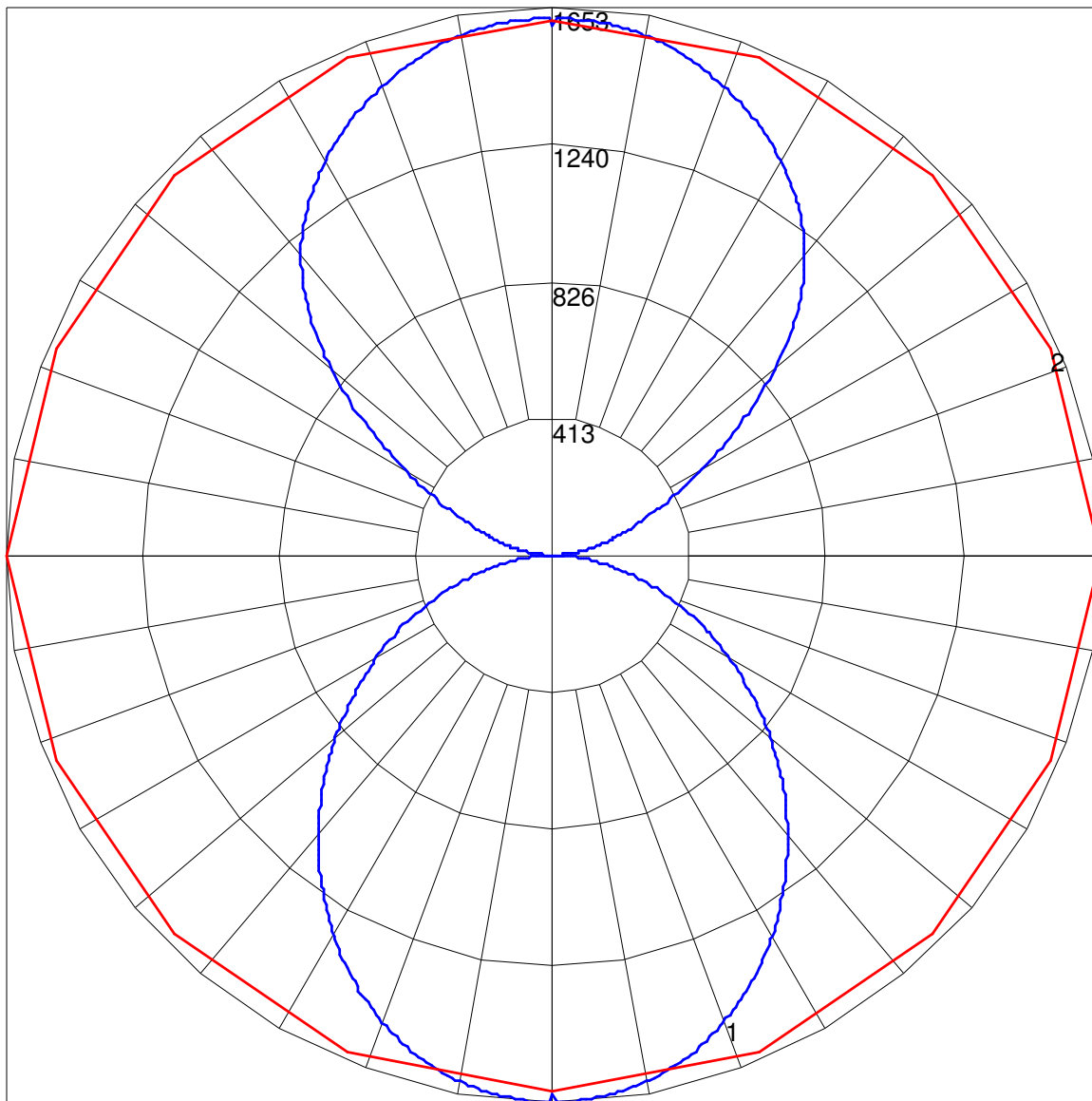
12H	4H	19.7	20.1	20.7	21.2	22.5	19.7	20.1	20.7	21.1	22.5
	6H	20.5	20.8	21.5	21.8	23.2	20.4	20.8	21.5	21.8	23.2
	8H	20.7	21.0	21.8	22.1	23.5	20.8	21.1	21.8	22.1	23.5

Maximum UGR = 23.6

# IES INDOOR REPORT

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

## POLAR GRAPH



Maximum Candela = 1652.869 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.)