

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-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-L8-940U-L15-940D-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	8106
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	77.6
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	10995	10720	10598
55	10108	9863	9759
65	9323	9098	8999
75	7906	7901	7897
85	6175	6422	6608

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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	1595.458	1595.458	1595.458	1595.458	1595.458
0.5	1619.551	1596.797	1588.766	1592.112	1586.758
1.0	1619.551	1596.127	1588.766	1592.112	1586.758
1.5	1618.881	1595.458	1588.096	1592.112	1586.089
2.0	1618.212	1594.789	1587.427	1591.443	1586.089
2.5	1617.543	1594.120	1586.089	1590.773	1585.420
3.0	1616.204	1592.781	1585.420	1590.104	1584.081
3.5	1614.866	1591.443	1584.081	1588.766	1582.743
4.0	1613.527	1590.104	1582.743	1587.427	1581.404
4.5	1612.189	1588.096	1581.404	1586.089	1579.396
5.0	1610.850	1586.758	1579.396	1584.081	1577.389
5.5	1608.843	1584.750	1577.389	1582.073	1575.381
6.0	1606.835	1582.073	1575.381	1580.066	1572.704
6.5	1604.158	1580.066	1572.704	1577.389	1570.696
7.0	1602.150	1577.389	1570.696	1574.712	1568.019
7.5	1600.143	1574.712	1568.019	1572.035	1566.012
8.0	1596.797	1572.035	1564.673	1569.358	1563.335
8.5	1594.120	1568.689	1561.327	1566.012	1559.989
9.0	1590.773	1566.012	1558.650	1562.665	1556.642
9.5	1587.427	1562.665	1554.635	1558.650	1553.296
10.0	1584.081	1559.319	1551.288	1555.304	1549.281
10.5	1580.066	1555.304	1547.273	1551.288	1545.935
11.0	1576.719	1551.288	1543.258	1547.273	1541.250
11.5	1572.035	1547.273	1539.242	1543.258	1537.235
12.0	1568.019	1543.258	1535.227	1538.573	1532.550
12.5	1564.004	1538.573	1530.542	1533.888	1527.865
13.0	1559.319	1534.558	1525.858	1529.204	1523.181
13.5	1554.635	1529.204	1521.173	1523.850	1518.496
14.0	1549.950	1524.519	1515.819	1519.165	1513.811
14.5	1545.265	1519.834	1510.465	1513.811	1508.457
15.0	1540.581	1514.481	1505.111	1508.457	1503.104
15.5	1534.558	1509.796	1499.757	1502.434	1497.080
16.0	1527.865	1504.442	1493.734	1497.080	1491.727
16.5	1521.173	1498.419	1487.711	1491.057	1485.703
17.0	1515.150	1492.396	1481.688	1485.034	1479.680
17.5	1508.457	1485.703	1474.996	1478.342	1472.988
18.0	1501.765	1479.011	1468.303	1471.649	1466.296
18.5	1495.073	1472.319	1461.611	1464.288	1459.603
19.0	1488.380	1465.626	1455.588	1457.595	1451.572
19.5	1481.019	1458.934	1448.895	1449.565	1443.542
20.0	1474.326	1451.572	1442.872	1442.203	1435.511
20.5	1466.965	1444.880	1436.180	1434.172	1427.480
21.0	1459.603	1437.518	1428.818	1426.141	1418.780
21.5	1451.572	1430.157	1420.788	1418.111	1410.080
22.0	1444.211	1422.126	1412.087	1409.411	1402.049
22.5	1436.180	1414.095	1404.057	1400.710	1393.349
23.0	1428.149	1406.064	1396.026	1391.341	1384.649
23.5	1420.118	1398.033	1387.326	1382.641	1376.618
24.0	1411.418	1390.003	1379.295	1373.941	1367.918
24.5	1402.718	1381.303	1370.595	1365.241	1359.218
25.0	1394.687	1372.603	1361.895	1356.541	1350.518
25.5	1385.987	1363.902	1352.525	1347.841	1341.148
26.0	1376.618	1354.533	1343.825	1339.141	1332.448
26.5	1367.918	1345.833	1334.456	1330.441	1323.748

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27.0	1358.549	1336.464	1325.087	1321.741	1314.379
27.5	1349.179	1327.095	1316.387	1313.041	1305.679
28.0	1339.810	1317.056	1306.348	1303.671	1296.310
28.5	1329.771	1307.017	1296.979	1294.971	1286.940
29.0	1319.733	1297.648	1287.610	1285.602	1277.571
29.5	1310.364	1287.610	1278.240	1275.563	1268.871
30.0	1300.325	1277.571	1268.871	1266.194	1259.502
30.5	1290.287	1267.533	1258.832	1256.825	1250.132
31.0	1279.579	1258.163	1248.794	1246.786	1240.763
31.5	1269.540	1248.125	1238.755	1236.748	1230.725
32.0	1258.832	1237.417	1228.717	1226.040	1220.686
32.5	1248.125	1227.378	1218.678	1216.001	1209.978
33.0	1237.417	1217.340	1208.640	1205.963	1199.270
33.5	1227.378	1206.632	1197.932	1195.255	1189.232
34.0	1216.001	1195.924	1187.893	1184.547	1178.524
34.5	1205.294	1185.217	1176.516	1173.840	1167.147
35.0	1194.586	1175.178	1165.809	1163.132	1155.770
35.5	1183.209	1163.801	1155.101	1152.424	1144.393
36.0	1171.832	1153.093	1144.393	1141.047	1133.685
36.5	1161.124	1142.385	1133.685	1130.339	1122.978
37.0	1149.747	1131.008	1122.308	1118.962	1111.601
37.5	1138.370	1119.631	1111.601	1107.585	1100.893
38.0	1126.324	1108.254	1100.224	1096.208	1089.516
38.5	1114.947	1096.877	1088.847	1085.500	1078.139
39.0	1104.239	1085.500	1077.470	1074.123	1067.431
39.5	1092.193	1074.123	1066.762	1062.746	1055.385
40.0	1080.816	1062.077	1055.385	1051.369	1044.677
40.5	1068.770	1050.700	1044.008	1039.992	1033.300
41.0	1057.392	1038.654	1032.631	1027.946	1021.254
41.5	1045.346	1027.277	1020.585	1016.569	1009.208
42.0	1033.969	1015.231	1009.208	1005.192	997.831
42.5	1022.592	1003.854	997.831	993.146	986.454
43.0	1010.546	992.477	986.454	981.769	974.407
43.5	999.169	980.430	974.407	970.392	963.030
44.0	987.123	968.384	962.361	958.346	951.653
44.5	975.077	956.338	950.315	946.299	939.607
45.0	963.030	944.961	938.938	934.253	928.230
45.5	951.653	932.915	926.892	922.876	916.853
46.0	939.607	920.868	914.845	910.830	905.476
46.5	927.561	908.822	903.468	899.453	894.099
47.0	915.515	896.776	891.422	887.407	882.053
47.5	902.799	884.730	879.376	875.360	870.676
48.0	890.753	872.683	867.330	863.983	858.629
48.5	878.707	860.637	855.953	851.937	846.583
49.0	865.991	848.591	843.906	839.891	835.206
49.5	853.945	836.545	831.860	828.514	823.829
50.0	841.229	824.498	819.814	816.468	811.783
50.5	828.514	812.452	807.768	804.421	800.406
51.0	815.798	800.406	795.721	792.375	788.360
51.5	803.752	788.360	783.675	780.998	776.313
52.0	791.706	776.313	771.629	768.952	764.936
52.5	778.990	764.267	759.583	757.575	752.890
53.0	766.944	752.221	747.536	745.529	740.844
53.5	754.229	740.175	735.490	733.482	728.798
54.0	742.182	728.129	724.113	722.105	716.751
54.5	730.136	716.751	712.067	710.059	704.705

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55.0	718.090	705.374	700.690	698.682	693.328
55.5	706.713	693.328	688.644	686.636	681.951
56.0	693.997	681.282	676.597	675.259	669.905
56.5	681.951	669.905	664.886	663.413	658.126
57.0	670.574	657.859	653.040	651.434	646.415
57.5	658.796	646.214	641.262	639.789	634.569
58.0	647.017	634.703	629.416	628.078	622.858
58.5	635.172	623.125	617.771	616.567	611.615
59.0	623.527	611.481	606.060	604.922	600.171
59.5	612.217	599.702	594.147	593.344	588.861
60.0	600.639	587.991	582.369	581.700	577.350
60.5	589.195	576.547	570.992	569.988	565.705
61.0	577.952	565.103	559.682	558.544	554.328
61.5	565.906	553.793	548.439	547.167	543.085
62.0	554.060	542.148	536.794	535.857	531.574
62.5	541.947	531.373	525.819	525.082	520.665
63.0	530.302	521.870	517.386	517.052	513.438
63.5	518.524	511.497	507.950	507.214	503.466
64.0	511.430	501.391	498.179	496.707	492.424
64.5	500.388	490.617	487.137	485.798	481.783
65.0	488.007	479.106	476.228	474.957	471.075
65.5	475.358	467.461	464.851	464.249	460.300
66.0	463.178	456.084	453.742	453.474	449.258
66.5	451.132	444.439	442.432	442.432	438.684
67.0	439.219	432.862	431.255	431.456	428.043
67.5	427.508	421.485	420.012	420.414	417.068
68.0	415.662	410.108	408.769	409.305	405.825
68.5	403.750	398.530	397.459	398.195	394.782
69.0	391.436	386.885	386.082	386.484	383.338
69.5	379.457	375.441	374.504	374.973	372.095
70.0	367.611	363.863	363.194	363.395	360.852
70.5	355.967	352.219	351.750	351.951	349.542
71.0	344.054	340.641	340.507	340.775	338.165
71.5	332.142	329.063	329.331	329.532	327.256
72.0	320.564	317.419	317.954	318.222	316.281
72.5	308.986	305.975	306.845	307.112	305.506
73.0	297.542	294.798	296.003	296.338	294.932
73.5	286.433	283.756	285.161	285.764	284.224
74.0	275.457	272.714	274.454	274.922	273.918
74.5	264.482	261.872	263.813	264.281	263.545
75.0	253.440	251.097	253.306	253.774	253.172
75.5	242.531	240.323	242.866	243.468	242.799
76.0	231.489	229.949	232.559	233.229	232.693
76.5	221.049	219.710	222.320	223.056	222.588
77.0	210.876	209.404	212.282	212.951	212.215
77.5	200.369	199.365	202.243	202.778	202.042
78.0	190.130	189.327	192.205	193.008	192.271
78.5	179.958	179.556	182.300	183.237	182.634
79.0	170.187	169.785	172.596	173.734	173.265
79.5	160.416	160.215	163.026	164.230	163.829
80.0	150.779	150.846	153.456	155.129	154.593
80.5	141.075	141.677	144.354	145.960	145.559
81.0	131.773	132.709	135.320	136.993	136.725
81.5	122.805	123.809	126.486	128.159	127.958
82.0	114.439	115.109	117.852	119.592	119.392
82.5	106.074	106.676	109.353	111.093	110.959

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83.0	97.708	98.645	100.988	102.795	102.928
83.5	89.477	90.614	92.890	94.630	95.031
84.0	81.781	82.718	84.859	86.532	87.135
84.5	73.951	74.954	76.962	78.635	79.237
85.0	66.656	67.459	69.333	70.805	71.341
85.5	59.562	59.964	61.570	63.109	63.644
86.0	52.602	52.736	54.141	55.547	56.216
86.5	45.709	45.709	46.980	48.252	48.854
87.0	38.749	38.749	39.686	41.292	41.760
87.5	31.856	31.923	32.793	34.399	35.001
88.0	25.297	25.230	26.100	27.840	28.509
88.5	19.006	18.605	19.743	21.282	22.219
89.0	12.314	12.113	13.652	15.125	16.129
89.5	5.689	6.759	8.165	9.302	9.637
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.131	2.177	2.010	1.954	2.121
91.0	9.099	4.801	3.907	3.852	3.796
91.5	14.625	9.769	5.805	5.749	5.694
92.0	20.207	16.244	8.373	7.480	7.480
92.5	26.012	22.942	12.950	9.378	9.210
93.0	32.041	29.361	18.309	12.448	11.220
93.5	38.125	35.502	24.059	16.802	14.625
94.0	44.098	41.530	30.422	21.993	19.258
94.5	50.238	47.559	37.065	27.352	24.282
95.0	56.267	53.755	43.596	32.822	29.250
95.5	62.295	59.560	49.959	38.460	34.497
96.0	68.045	65.477	56.211	44.321	39.856
96.5	73.850	71.394	62.463	50.294	45.382
97.0	79.488	77.200	68.659	56.267	51.243
97.5	85.293	83.061	74.911	62.351	57.104
98.0	91.043	88.810	80.995	68.380	63.021
98.5	96.792	94.615	86.856	74.520	68.938
99.0	102.654	100.588	92.829	80.381	74.911
99.5	108.571	106.505	98.858	86.242	80.772
100.0	114.376	112.478	104.886	92.271	86.521
100.5	120.404	118.451	110.915	98.523	92.327
101.0	126.600	124.423	117.055	104.831	98.635
101.5	132.908	130.508	123.307	111.138	105.165
102.0	139.048	136.816	129.559	117.446	111.641
102.5	145.468	143.067	136.034	123.754	118.060
103.0	152.055	149.543	142.453	130.006	124.591
103.5	158.641	156.129	149.264	136.704	131.066
104.0	165.396	162.772	156.185	143.626	137.820
104.5	172.373	169.694	163.107	150.715	144.575
105.0	179.518	176.783	169.973	157.692	151.441
105.5	186.831	183.984	177.062	164.726	158.251
106.0	194.255	191.240	184.263	171.871	165.061
106.5	201.735	198.720	191.799	179.072	171.927
107.0	209.717	206.535	199.837	186.719	179.407
107.5	217.978	214.573	207.987	194.813	187.500
108.0	226.184	222.835	216.304	203.577	195.818
108.5	234.836	231.264	224.621	212.340	204.414
109.0	243.712	239.860	233.161	221.216	213.122
109.5	252.810	248.791	242.149	230.036	221.942
110.0	262.523	257.946	251.359	239.078	231.152
110.5	272.459	267.324	260.793	248.791	240.697

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111.0	282.507	277.148	270.561	258.895	250.298
111.5	292.778	287.251	280.497	269.166	260.179
112.0	303.439	297.634	290.377	279.437	269.612
112.5	314.157	308.296	300.369	289.652	279.604
113.0	325.377	319.292	310.919	300.202	290.042
113.5	336.931	330.791	322.083	311.589	301.262
114.0	348.654	342.513	333.917	323.702	313.710
114.5	360.767	354.626	345.974	336.317	326.940
115.0	373.047	367.074	358.478	349.044	340.336
115.5	385.886	379.634	371.317	361.716	353.566
116.0	398.836	392.696	384.602	375.057	367.019
116.5	412.512	406.093	398.334	388.733	381.364
117.0	426.746	419.769	412.177	403.469	396.157
117.5	437.241	430.430	424.848	417.034	411.172
118.0	450.637	442.878	437.855	431.045	424.514
118.5	466.211	457.727	451.140	444.051	436.515
119.0	481.450	472.352	466.211	458.787	449.856
119.5	496.857	487.925	482.176	473.747	464.816
120.0	512.765	504.057	498.196	490.102	480.613
120.5	528.563	520.413	514.719	507.463	497.471
121.0	545.141	537.103	531.354	524.767	515.389
121.5	561.552	553.626	547.932	542.294	532.917
122.0	578.857	570.484	565.460	559.878	550.500
122.5	595.603	587.230	582.764	577.182	567.134
123.0	612.907	605.092	600.627	596.161	585.555
123.5	630.770	622.955	619.606	615.140	604.534
124.0	648.632	641.375	638.026	634.119	624.071
124.5	666.495	659.238	656.447	652.540	643.050
125.0	684.357	677.100	674.309	670.960	661.471
125.5	702.778	695.521	692.730	689.381	679.333
126.0	720.640	713.384	711.709	707.802	697.196
126.5	738.503	731.246	730.688	727.339	716.175
127.0	756.924	749.667	749.667	746.876	736.270
127.5	775.344	767.529	767.529	765.855	756.365
128.0	793.207	785.392	785.950	784.834	775.344
128.5	811.069	802.696	803.813	803.813	793.765
129.0	828.932	820.000	821.675	822.233	812.744
129.5	846.794	837.863	840.096	841.212	832.281
130.0	864.657	855.725	858.516	860.191	852.934
130.5	882.519	873.030	877.495	878.612	872.472
131.0	900.382	890.334	895.358	896.474	890.334
131.5	917.128	907.080	913.220	913.220	907.638
132.0	934.432	923.826	930.525	931.083	924.384
132.5	951.178	941.131	947.829	948.387	941.131
133.0	967.924	958.435	964.575	965.692	957.318
133.5	984.670	975.181	981.879	982.996	974.623
134.0	1001.417	991.369	998.067	999.742	991.369
134.5	1016.488	1007.557	1013.697	1014.813	1007.557
135.0	1031.559	1023.186	1028.768	1029.885	1022.070
135.5	1046.073	1039.374	1043.840	1044.398	1036.583
136.0	1060.586	1054.446	1057.795	1059.470	1051.655
136.5	1075.658	1068.959	1071.750	1074.541	1067.284
137.0	1089.613	1083.472	1086.263	1088.496	1081.798
137.5	1103.568	1096.869	1099.660	1101.335	1094.636
138.0	1116.965	1110.266	1112.499	1113.615	1106.917
138.5	1130.361	1123.105	1125.338	1125.896	1118.639

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1143.200	1135.943	1138.176	1138.176	1130.361
139.5	1156.039	1148.782	1150.457	1149.899	1141.526
140.0	1168.319	1160.504	1162.737	1162.179	1153.806
140.5	1180.042	1171.668	1173.901	1173.343	1164.412
141.0	1191.764	1183.391	1185.065	1183.949	1175.018
141.5	1202.370	1193.997	1196.229	1194.555	1184.507
142.0	1213.534	1205.161	1206.835	1204.602	1194.555
142.5	1224.140	1215.767	1217.441	1215.208	1204.044
143.0	1234.745	1225.814	1227.489	1225.256	1214.092
143.5	1244.793	1236.420	1237.536	1235.304	1223.581
144.0	1254.283	1246.468	1247.026	1244.235	1232.513
144.5	1263.772	1255.957	1256.515	1253.166	1241.444
145.0	1272.703	1265.447	1265.447	1261.539	1249.817
145.5	1282.193	1274.936	1274.378	1271.029	1258.748
146.0	1291.124	1283.867	1283.309	1279.402	1267.679
146.5	1300.055	1292.799	1291.682	1288.333	1276.611
147.0	1308.428	1301.730	1299.497	1297.264	1285.542
147.5	1316.801	1310.103	1307.870	1305.637	1293.915
148.0	1325.174	1318.476	1315.127	1313.452	1302.846
148.5	1333.547	1326.849	1322.383	1321.267	1311.777
149.0	1341.362	1335.222	1329.640	1329.082	1320.709
149.5	1349.177	1343.037	1336.338	1336.897	1329.082
150.0	1356.992	1350.852	1343.595	1344.153	1336.897
150.5	1364.807	1358.667	1350.294	1350.852	1344.711
151.0	1372.063	1365.923	1356.992	1357.550	1351.968
151.5	1379.878	1373.180	1364.249	1364.249	1358.667
152.0	1387.135	1380.436	1370.947	1370.389	1365.365
152.5	1394.392	1387.135	1377.645	1377.087	1371.505
153.0	1401.648	1393.833	1384.344	1383.786	1377.087
153.5	1408.347	1400.532	1391.042	1390.484	1382.111
154.0	1415.045	1407.230	1398.299	1397.183	1387.693
154.5	1422.302	1413.370	1404.997	1403.323	1393.275
155.0	1429.000	1419.511	1411.696	1410.021	1399.415
155.5	1435.140	1425.093	1418.394	1416.720	1405.556
156.0	1441.281	1431.233	1425.651	1422.860	1411.696
156.5	1447.421	1437.373	1432.349	1429.558	1417.836
157.0	1453.561	1443.513	1439.048	1436.257	1423.976
157.5	1459.143	1449.095	1445.188	1442.397	1430.117
158.0	1464.725	1454.678	1451.328	1448.537	1436.257
158.5	1470.865	1460.818	1457.469	1454.678	1442.955
159.0	1475.889	1466.400	1463.051	1460.818	1449.095
159.5	1481.471	1471.982	1468.633	1466.958	1455.236
160.0	1486.495	1477.006	1474.215	1472.540	1461.376
160.5	1491.519	1482.029	1479.238	1478.122	1467.516
161.0	1496.543	1487.053	1484.262	1483.704	1473.656
161.5	1501.567	1492.635	1488.728	1489.286	1479.797
162.0	1507.149	1497.659	1493.194	1494.868	1485.379
162.5	1512.172	1502.683	1497.659	1499.892	1490.403
163.0	1517.196	1507.707	1502.125	1504.916	1495.426
163.5	1522.220	1512.172	1506.590	1509.940	1499.892
164.0	1527.244	1516.638	1510.498	1514.405	1504.358
164.5	1531.151	1521.104	1514.405	1518.871	1508.823
165.0	1535.617	1525.569	1518.313	1523.336	1512.731
165.5	1540.083	1529.477	1522.220	1527.244	1516.638
166.0	1544.548	1533.384	1526.128	1531.151	1519.987
166.5	1549.014	1537.292	1530.035	1534.501	1523.895

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1552.921	1540.641	1533.384	1537.850	1527.244
167.5	1556.829	1543.990	1537.292	1541.199	1531.151
168.0	1560.736	1547.339	1540.641	1544.548	1534.501
168.5	1564.644	1550.688	1543.990	1547.897	1538.408
169.0	1567.993	1553.479	1547.339	1550.688	1541.757
169.5	1570.784	1556.270	1550.130	1553.479	1545.106
170.0	1573.575	1559.061	1552.921	1556.270	1549.014
170.5	1576.366	1561.853	1555.154	1559.061	1551.805
171.0	1579.157	1564.085	1557.387	1561.853	1554.596
171.5	1581.390	1566.318	1559.620	1564.644	1557.387
172.0	1583.622	1568.551	1561.294	1566.876	1559.620
172.5	1585.855	1570.784	1562.969	1568.551	1561.294
173.0	1588.088	1573.017	1564.644	1570.784	1562.411
173.5	1589.763	1574.691	1566.318	1571.900	1563.527
174.0	1591.437	1576.366	1567.993	1573.017	1564.085
174.5	1592.554	1577.482	1569.109	1574.133	1564.644
175.0	1593.670	1579.157	1570.226	1574.691	1564.644
175.5	1594.787	1580.273	1571.900	1575.249	1565.202
176.0	1595.903	1581.390	1573.017	1575.249	1565.202
176.5	1596.461	1582.506	1573.575	1575.808	1565.202
177.0	1597.019	1583.622	1574.691	1575.808	1564.644
177.5	1598.136	1584.739	1575.808	1575.808	1564.644
178.0	1598.694	1584.739	1576.366	1575.808	1565.202
178.5	1598.694	1585.297	1576.924	1575.808	1565.202
179.0	1599.252	1585.855	1576.924	1575.808	1565.202
179.5	1599.810	1585.855	1577.482	1575.808	1565.202
180.0	1580.273	1580.273	1580.273	1580.273	1580.273

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	576.61	N.A.	7.10
0-30	1205.49	N.A.	14.90
0-40	1936.64	N.A.	23.90
0-60	3290.78	N.A.	40.60
0-80	4029.93	N.A.	49.70
0-90	4108.03	N.A.	50.70
10-90	3957.52	N.A.	48.80
20-40	1360.03	N.A.	16.80
20-50	2085.84	N.A.	25.70
40-70	1824.75	N.A.	22.50
60-80	739.15	N.A.	9.10
70-80	268.54	N.A.	3.30
80-90	78.10	N.A.	1.00
90-110	228.69	N.A.	2.80
90-120	587.08	N.A.	7.20
90-130	1189.32	N.A.	14.70
90-150	2766.26	N.A.	34.10
90-180	3997.98	N.A.	49.30
110-180	3769.29	N.A.	46.50
0-180	8106.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	150.51
10-20	426.10
20-30	628.88
30-40	731.15
40-50	725.81
50-60	628.33
60-70	470.61
70-80	268.54
80-90	78.10
90-100	49.33
100-110	179.37
110-120	358.38
120-130	602.24
130-140	787.49
140-150	789.46
150-160	652.13
160-170	429.73
170-180	149.86

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-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-L8-940U-L15-940D-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	18.9	19.7	21.0	17.9	18.7	18.8	19.6	20.9
	4H	18.6	19.3	19.6	20.3	21.6	18.5	19.3	19.5	20.2	21.5
	6H	19.0	19.7	20.0	20.7	22.0	19.0	19.7	20.0	20.6	21.9
	8H	19.2	19.8	20.1	20.8	22.1	19.1	19.8	20.1	20.8	22.1
	12H	19.2	19.9	20.2	20.8	22.2	19.2	19.8	20.2	20.8	22.2

UGR Viewed Endwise

4H	2H	16.8	17.5	17.7	18.5	19.8	16.7	17.4	17.6	18.4	19.7
	3H	18.7	19.3	19.7	20.3	21.6	18.6	19.3	19.6	20.3	21.6
	4H	19.5	20.0	20.4	21.0	22.3	19.4	20.0	20.4	21.0	22.3
	6H	20.0	20.5	21.0	21.5	22.8	20.0	20.5	21.0	21.5	22.8
	8H	20.2	20.6	21.2	21.7	23.0	20.2	20.6	21.2	21.7	23.0
	12H	20.3	20.7	21.3	21.7	23.1	20.3	20.7	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	23.1
	8H	20.7	21.0	21.7	22.0	23.4	20.7	21.0	21.7	22.0	23.4
	12H	20.8	21.1	21.9	22.2	23.6	20.9	21.2	21.9	22.2	23.6

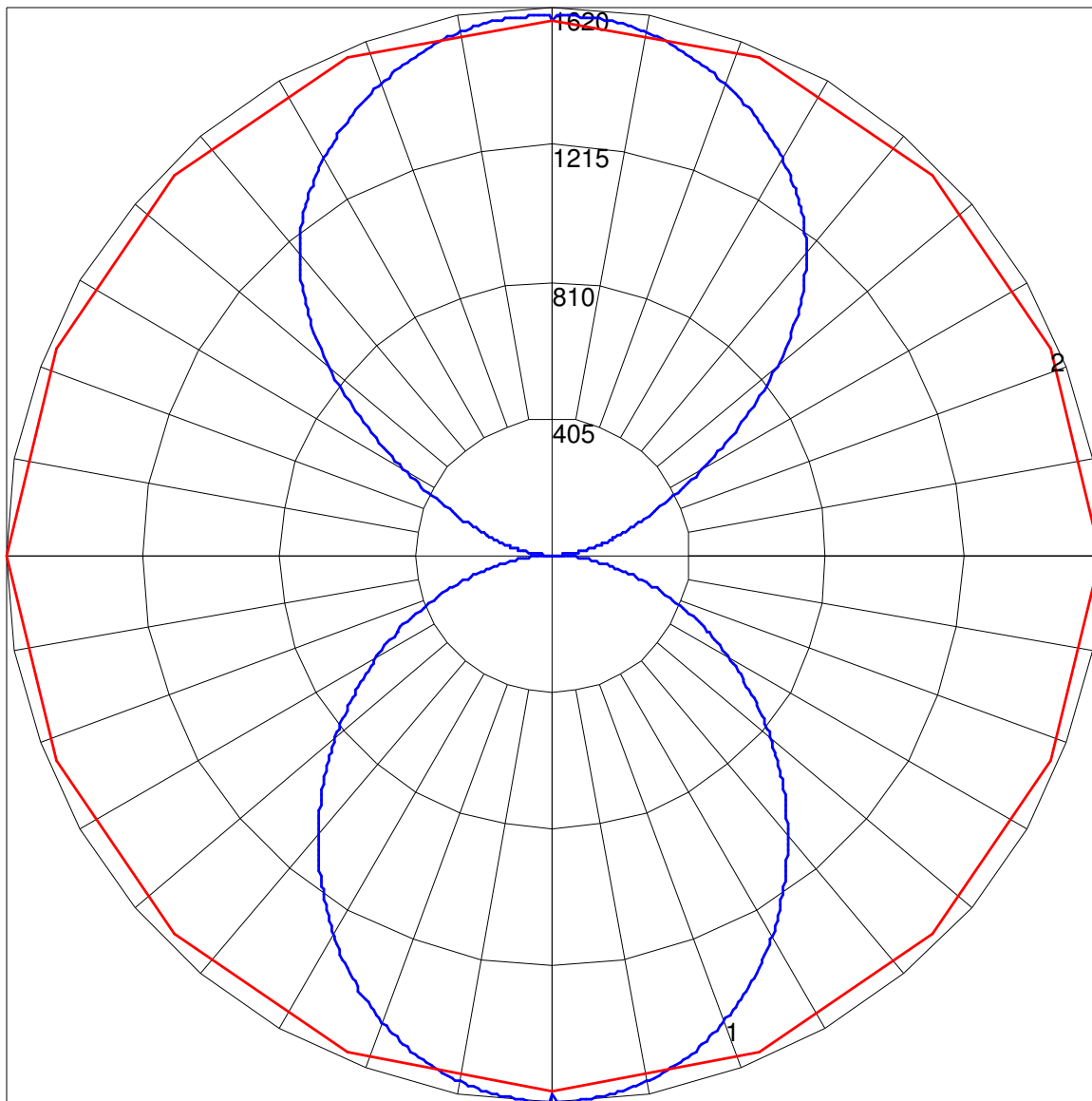
12H	4H	19.7	20.1	20.7	21.1	22.5	19.6	20.1	20.7	21.1	22.4
	6H	20.4	20.8	21.5	21.8	23.2	20.4	20.8	21.5	21.8	23.2
	8H	20.7	21.0	21.8	22.1	23.5	20.7	21.0	21.8	22.1	23.5

Maximum UGR = 23.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-940U-L15-940D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1619.551 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.)