

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-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-L12-935U-L12-935D-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	8221
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	81.9
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	11185	10905	10781
55	10282	10033	9927
65	9483	9255	9154
75	8042	8038	8034
85	6281	6533	6722

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-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>
<b>0.0</b>	1622.980	1622.980	1622.980	1622.980	1622.980
<b>0.5</b>	1647.488	1624.342	1616.172	1619.576	1614.130
<b>1.0</b>	1647.488	1623.661	1616.172	1619.576	1614.130
<b>1.5</b>	1646.807	1622.980	1615.492	1619.576	1613.449
<b>2.0</b>	1646.127	1622.299	1614.811	1618.895	1613.449
<b>2.5</b>	1645.446	1621.619	1613.449	1618.215	1612.768
<b>3.0</b>	1644.084	1620.257	1612.768	1617.534	1611.407
<b>3.5</b>	1642.723	1618.895	1611.407	1616.172	1610.045
<b>4.0</b>	1641.361	1617.534	1610.045	1614.811	1608.684
<b>4.5</b>	1640.000	1615.492	1608.684	1613.449	1606.641
<b>5.0</b>	1638.638	1614.130	1606.641	1611.407	1604.599
<b>5.5</b>	1636.596	1612.088	1604.599	1609.364	1602.557
<b>6.0</b>	1634.553	1609.364	1602.557	1607.322	1599.834
<b>6.5</b>	1631.830	1607.322	1599.834	1604.599	1597.791
<b>7.0</b>	1629.788	1604.599	1597.791	1601.876	1595.068
<b>7.5</b>	1627.746	1601.876	1595.068	1599.153	1593.026
<b>8.0</b>	1624.342	1599.153	1591.664	1596.430	1590.303
<b>8.5</b>	1621.619	1595.749	1588.260	1593.026	1586.899
<b>9.0</b>	1618.215	1593.026	1585.537	1589.622	1583.495
<b>9.5</b>	1614.811	1589.622	1581.453	1585.537	1580.091
<b>10.0</b>	1611.407	1586.218	1578.049	1582.133	1576.006
<b>10.5</b>	1607.322	1582.133	1573.964	1578.049	1572.602
<b>11.0</b>	1603.918	1578.049	1569.879	1573.964	1567.837
<b>11.5</b>	1599.153	1573.964	1565.795	1569.879	1563.752
<b>12.0</b>	1595.068	1569.879	1561.710	1565.114	1558.987
<b>12.5</b>	1590.983	1565.114	1556.944	1560.348	1554.221
<b>13.0</b>	1586.218	1561.029	1552.179	1555.583	1549.456
<b>13.5</b>	1581.453	1555.583	1547.413	1550.137	1544.690
<b>14.0</b>	1576.687	1550.817	1541.967	1545.371	1539.925
<b>14.5</b>	1571.922	1546.052	1536.521	1539.925	1534.479
<b>15.0</b>	1567.156	1540.606	1531.075	1534.479	1529.032
<b>15.5</b>	1561.029	1535.840	1525.629	1528.352	1522.905
<b>16.0</b>	1554.221	1530.394	1519.501	1522.905	1517.459
<b>16.5</b>	1547.413	1524.267	1513.374	1516.778	1511.332
<b>17.0</b>	1541.286	1518.140	1507.247	1510.651	1505.205
<b>17.5</b>	1534.479	1511.332	1500.440	1503.844	1498.397
<b>18.0</b>	1527.671	1504.524	1493.632	1497.036	1491.590
<b>18.5</b>	1520.863	1497.717	1486.824	1489.547	1484.782
<b>19.0</b>	1514.055	1490.909	1480.697	1482.739	1476.612
<b>19.5</b>	1506.567	1484.101	1473.889	1474.570	1468.443
<b>20.0</b>	1499.759	1476.612	1467.762	1467.081	1460.274
<b>20.5</b>	1492.270	1469.805	1460.954	1458.912	1452.104
<b>21.0</b>	1484.782	1462.316	1453.466	1450.743	1443.254
<b>21.5</b>	1476.612	1454.827	1445.296	1442.573	1434.404
<b>22.0</b>	1469.124	1446.658	1436.446	1433.723	1426.235
<b>22.5</b>	1460.954	1438.489	1428.277	1424.873	1417.384
<b>23.0</b>	1452.785	1430.319	1420.108	1415.342	1408.534
<b>23.5</b>	1444.616	1422.150	1411.257	1406.492	1400.365
<b>24.0</b>	1435.766	1413.981	1403.088	1397.642	1391.515
<b>24.5</b>	1426.915	1405.130	1394.238	1388.792	1382.665
<b>25.0</b>	1418.746	1396.280	1385.388	1379.942	1373.815
<b>25.5</b>	1409.896	1387.430	1375.857	1371.091	1364.284
<b>26.0</b>	1400.365	1377.899	1367.007	1362.241	1355.433
<b>26.5</b>	1391.515	1369.049	1357.476	1353.391	1346.583

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27.0	1381.984	1359.518	1347.945	1344.541	1337.052
27.5	1372.453	1349.987	1339.095	1335.691	1328.202
28.0	1362.922	1339.776	1328.883	1326.160	1318.671
28.5	1352.710	1329.564	1319.352	1317.310	1309.140
29.0	1342.499	1320.033	1309.821	1307.779	1299.609
29.5	1332.968	1309.821	1300.290	1297.567	1290.759
30.0	1322.756	1299.609	1290.759	1288.036	1281.228
30.5	1312.544	1289.398	1280.548	1278.505	1271.697
31.0	1301.652	1279.867	1270.336	1268.294	1262.167
31.5	1291.440	1269.655	1260.124	1258.082	1251.955
32.0	1280.548	1258.763	1249.913	1247.189	1241.743
32.5	1269.655	1248.551	1239.701	1236.978	1230.851
33.0	1258.763	1238.339	1229.489	1226.766	1219.958
33.5	1248.551	1227.447	1218.597	1215.874	1209.746
34.0	1236.978	1216.554	1208.385	1204.981	1198.854
34.5	1226.085	1205.662	1196.812	1194.089	1187.281
35.0	1215.193	1195.450	1185.919	1183.196	1175.707
35.5	1203.619	1183.877	1175.027	1172.304	1164.134
36.0	1192.046	1172.984	1164.134	1160.730	1153.242
36.5	1181.154	1162.092	1153.242	1149.838	1142.349
37.0	1169.580	1150.519	1141.668	1138.265	1130.776
37.5	1158.007	1138.945	1130.776	1126.691	1119.883
38.0	1145.753	1127.372	1119.203	1115.118	1108.310
38.5	1134.180	1115.799	1107.629	1104.226	1096.737
39.0	1123.287	1104.226	1096.056	1092.652	1085.844
39.5	1111.033	1092.652	1085.164	1081.079	1073.590
40.0	1099.460	1080.398	1073.590	1069.506	1062.698
40.5	1087.206	1068.825	1062.017	1057.932	1051.125
41.0	1075.633	1056.571	1050.444	1045.678	1038.871
41.5	1063.379	1044.998	1038.190	1034.105	1026.617
42.0	1051.805	1032.744	1026.617	1022.532	1015.043
42.5	1040.232	1021.170	1015.043	1010.278	1003.470
43.0	1027.978	1009.597	1003.470	998.705	991.216
43.5	1016.405	997.343	991.216	987.131	979.643
44.0	1004.151	985.089	978.962	974.877	968.070
44.5	991.897	972.835	966.708	962.623	955.815
45.0	979.643	961.262	955.135	950.369	944.242
45.5	968.070	949.008	942.881	938.796	932.669
46.0	955.815	936.754	930.627	926.542	921.096
46.5	943.561	924.500	919.053	914.969	909.522
47.0	931.307	912.246	906.799	902.715	897.268
47.5	918.373	899.991	894.545	890.461	885.695
48.0	906.119	887.737	882.291	878.887	873.441
48.5	893.864	875.483	870.718	866.633	861.187
49.0	880.930	863.229	858.464	854.379	849.614
49.5	868.676	850.975	846.210	842.806	838.040
50.0	855.741	838.721	833.956	830.552	825.786
50.5	842.806	826.467	821.702	818.298	814.213
51.0	829.871	814.213	809.448	806.044	801.959
51.5	817.617	801.959	797.194	794.471	789.705
52.0	805.363	789.705	784.940	782.216	778.132
52.5	792.428	777.451	772.686	770.643	765.878
53.0	780.174	765.197	760.432	758.389	753.624
53.5	767.239	752.943	748.177	746.135	741.370
54.0	754.985	740.689	736.604	734.562	729.116
54.5	742.731	729.116	724.350	722.308	716.862

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55.0	730.477	717.542	712.777	710.735	705.288
55.5	718.904	705.288	700.523	698.481	693.715
56.0	705.969	693.034	688.269	686.907	681.461
56.5	693.715	681.461	676.355	674.857	669.479
57.0	682.142	669.207	664.305	662.671	657.566
57.5	670.160	657.361	652.324	650.826	645.516
58.0	658.178	645.652	640.274	638.912	633.602
58.5	646.129	633.874	628.428	627.203	622.165
59.0	634.283	622.029	616.515	615.357	610.524
59.5	622.778	610.047	604.397	603.580	599.019
60.0	611.000	598.134	592.415	591.734	587.309
60.5	599.359	586.492	580.842	579.821	575.464
61.0	587.922	574.851	569.337	568.179	563.890
61.5	575.668	563.346	557.899	556.606	552.453
62.0	563.618	551.500	546.054	545.101	540.744
62.5	551.296	540.540	534.889	534.140	529.647
63.0	539.450	530.872	526.311	525.971	522.295
63.5	527.468	520.320	516.712	515.963	512.151
64.0	520.252	510.041	506.773	505.275	500.918
64.5	509.019	499.080	495.540	494.178	490.094
65.0	496.425	487.371	484.443	483.150	479.201
65.5	483.558	475.525	472.870	472.257	468.241
66.0	471.168	463.952	461.569	461.297	457.008
66.5	458.914	452.106	450.064	450.064	446.251
67.0	446.796	440.329	438.695	438.899	435.427
67.5	434.882	428.755	427.258	427.666	424.262
68.0	422.833	417.182	415.821	416.365	412.825
68.5	410.715	405.405	404.315	405.064	401.592
69.0	398.188	393.559	392.742	393.151	389.951
69.5	386.002	381.918	380.965	381.441	378.514
70.0	373.953	370.140	369.459	369.664	367.077
70.5	362.107	358.295	357.818	358.022	355.572
71.0	349.989	346.517	346.381	346.653	343.998
71.5	337.871	334.740	335.012	335.216	332.902
72.0	326.094	322.894	323.439	323.711	321.737
72.5	314.316	311.253	312.138	312.410	310.776
73.0	302.675	299.884	301.109	301.449	300.020
73.5	291.374	288.651	290.080	290.693	289.127
74.0	280.209	277.418	279.188	279.664	278.643
74.5	269.044	266.389	268.364	268.840	268.091
75.0	257.811	255.429	257.675	258.152	257.539
75.5	246.715	244.468	247.055	247.668	246.987
76.0	235.482	233.916	236.571	237.252	236.707
76.5	224.862	223.500	226.155	226.904	226.428
77.0	214.514	213.016	215.944	216.624	215.875
77.5	203.826	202.804	205.732	206.276	205.528
78.0	193.410	192.593	195.520	196.337	195.588
78.5	183.062	182.653	185.445	186.398	185.785
79.0	173.122	172.714	175.573	176.731	176.254
79.5	163.183	162.979	165.838	167.063	166.655
80.0	153.380	153.448	156.103	157.805	157.260
80.5	143.508	144.121	146.844	148.478	148.070
81.0	134.046	134.999	137.654	139.356	139.083
81.5	124.923	125.944	128.667	130.369	130.165
82.0	116.413	117.094	119.885	121.655	121.451
82.5	107.904	108.516	111.239	113.010	112.873

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83.0	99.394	100.347	102.730	104.568	104.704
83.5	91.020	92.178	94.492	96.262	96.671
84.0	83.191	84.144	86.323	88.025	88.638
84.5	75.226	76.247	78.290	79.992	80.604
85.0	67.806	68.623	70.529	72.027	72.571
85.5	60.589	60.998	62.632	64.198	64.742
86.0	53.509	53.645	55.075	56.505	57.186
86.5	46.497	46.497	47.791	49.084	49.697
87.0	39.417	39.417	40.370	42.004	42.481
87.5	32.405	32.473	33.358	34.992	35.605
88.0	25.733	25.665	26.550	28.320	29.001
88.5	19.334	18.926	20.083	21.649	22.602
89.0	12.526	12.322	13.888	15.386	16.407
89.5	5.787	6.876	8.306	9.463	9.803
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.176	2.201	2.032	1.975	2.145
91.0	9.199	4.853	3.950	3.894	3.838
91.5	14.786	9.876	5.869	5.813	5.756
92.0	20.429	16.422	8.465	7.562	7.562
92.5	26.298	23.194	13.093	9.481	9.312
93.0	32.393	29.684	18.510	12.585	11.343
93.5	38.545	35.892	24.323	16.987	14.786
94.0	44.583	41.987	30.757	22.235	19.470
94.5	50.791	48.082	37.472	27.653	24.549
95.0	56.886	54.346	44.075	33.183	29.572
95.5	62.981	60.215	50.509	38.883	34.876
96.0	68.793	66.197	56.829	44.809	40.294
96.5	74.663	72.179	63.150	50.847	45.881
97.0	80.362	78.049	69.414	56.886	51.807
97.5	86.232	83.974	75.735	63.037	57.732
98.0	92.044	89.787	81.886	69.132	63.714
98.5	97.857	95.656	87.812	75.340	69.696
99.0	103.783	101.695	93.850	81.265	75.735
99.5	109.765	107.677	99.945	87.191	81.660
100.0	115.634	113.715	106.040	93.286	87.473
100.5	121.729	119.754	112.135	99.607	93.342
101.0	127.993	125.792	118.343	105.984	99.719
101.5	134.370	131.943	124.663	112.361	106.322
102.0	140.578	138.320	130.984	118.738	112.869
102.5	147.068	144.641	137.530	125.115	119.359
103.0	153.727	151.187	144.020	131.435	125.961
103.5	160.386	157.847	150.905	138.208	132.508
104.0	167.215	164.562	157.903	145.205	139.336
104.5	174.269	171.560	164.901	152.373	146.165
105.0	181.493	178.727	171.842	159.427	153.106
105.5	188.886	186.007	179.010	166.538	159.991
106.0	196.391	193.344	186.290	173.761	166.876
106.5	203.954	200.906	193.908	181.041	173.818
107.0	212.024	208.807	202.035	188.773	181.380
107.5	220.376	216.933	210.274	196.956	189.563
108.0	228.672	225.286	218.683	205.816	197.972
108.5	237.419	233.807	227.092	214.676	206.662
109.0	246.392	242.498	235.726	223.649	215.466
109.5	255.591	251.528	244.812	232.566	224.383
110.0	265.411	260.783	254.124	241.708	233.694
110.5	275.456	270.264	263.661	251.528	243.345

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111.0	285.614	280.196	273.537	261.742	253.051
111.5	295.998	290.411	283.582	272.126	263.040
112.0	306.777	300.908	293.571	282.510	272.578
112.5	317.612	311.687	303.673	292.838	282.679
113.0	328.956	322.804	314.339	303.504	293.233
113.5	340.637	334.430	325.626	315.016	304.576
114.0	352.489	346.281	337.590	327.263	317.161
114.5	364.735	358.527	349.780	340.017	330.536
115.0	377.150	371.112	362.421	352.884	344.080
115.5	390.130	383.810	375.401	365.694	357.455
116.0	403.223	397.015	388.832	379.182	371.056
116.5	417.049	410.560	402.715	393.008	385.559
117.0	431.440	424.386	416.711	407.907	400.514
117.5	442.050	435.165	429.521	421.621	415.695
118.0	455.594	447.750	442.671	435.786	429.183
118.5	471.339	462.761	456.102	448.935	441.316
119.0	486.746	477.547	471.339	463.834	454.804
119.5	502.322	493.292	487.479	478.958	469.928
120.0	518.405	509.602	503.676	495.493	485.899
120.5	534.376	526.137	520.381	513.044	502.942
121.0	551.137	543.011	537.198	530.539	521.058
121.5	567.729	559.715	553.959	548.259	538.778
122.0	585.224	576.759	571.679	566.036	556.555
122.5	602.154	593.689	589.174	583.531	573.372
123.0	619.649	611.748	607.233	602.718	591.996
123.5	637.708	629.807	626.421	621.906	611.183
124.0	655.767	648.430	645.044	641.094	630.935
124.5	673.826	666.489	663.667	659.717	650.123
125.0	691.885	684.548	681.726	678.340	668.746
125.5	710.508	703.171	700.350	696.964	686.805
126.0	728.567	721.230	719.537	715.587	704.864
126.5	746.626	739.289	738.725	735.339	724.052
127.0	765.249	757.913	757.913	755.091	744.368
127.5	783.872	775.972	775.972	774.279	764.685
128.0	801.931	794.031	794.595	793.466	783.872
128.5	819.990	811.525	812.654	812.654	802.496
129.0	838.049	829.020	830.713	831.277	821.683
129.5	856.108	847.079	849.336	850.465	841.435
130.0	874.167	865.138	867.960	869.653	862.316
130.5	892.226	882.632	887.147	888.276	882.068
131.0	910.285	900.127	905.206	906.335	900.127
131.5	927.216	917.057	923.265	923.265	917.622
132.0	944.710	933.988	940.760	941.324	934.552
132.5	961.640	951.482	958.254	958.819	951.482
133.0	978.571	968.977	975.185	976.313	967.848
133.5	995.501	985.907	992.679	993.808	985.343
134.0	1012.431	1002.273	1009.045	1010.738	1002.273
134.5	1027.669	1018.639	1024.847	1025.976	1018.639
135.0	1042.906	1034.441	1040.084	1041.213	1033.312
135.5	1057.579	1050.807	1055.321	1055.886	1047.985
136.0	1072.252	1066.044	1069.430	1071.123	1063.222
136.5	1087.489	1080.717	1083.539	1086.360	1079.024
137.0	1101.598	1095.390	1098.211	1100.469	1093.697
137.5	1115.706	1108.934	1111.756	1113.449	1106.677
138.0	1129.250	1122.478	1124.736	1125.864	1119.092
138.5	1142.795	1135.458	1137.715	1138.280	1130.943

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	1155.774	1148.438	1150.695	1150.695	1142.795
139.5	1168.754	1161.418	1163.111	1162.547	1154.081
140.0	1181.170	1173.269	1175.526	1174.962	1166.497
140.5	1193.021	1184.556	1186.813	1186.249	1177.220
141.0	1204.872	1196.407	1198.100	1196.972	1187.942
141.5	1215.595	1207.130	1209.387	1207.694	1197.536
142.0	1226.882	1218.417	1220.110	1217.852	1207.694
142.5	1237.604	1229.139	1230.832	1228.575	1217.288
143.0	1248.327	1239.297	1240.990	1238.733	1227.446
143.5	1258.485	1250.020	1251.148	1248.891	1237.040
144.0	1268.079	1260.178	1260.742	1257.921	1246.069
144.5	1277.673	1269.772	1270.336	1266.950	1255.099
145.0	1286.702	1279.366	1279.366	1275.415	1263.564
145.5	1296.296	1288.959	1288.395	1285.009	1272.593
146.0	1305.325	1297.989	1297.425	1293.474	1281.623
146.5	1314.355	1307.018	1305.890	1302.504	1290.652
147.0	1322.820	1316.048	1313.791	1311.533	1299.682
147.5	1331.285	1324.513	1322.256	1319.998	1308.147
148.0	1339.750	1332.978	1329.592	1327.899	1317.177
148.5	1348.215	1341.443	1336.929	1335.800	1326.206
149.0	1356.116	1349.908	1344.265	1343.701	1335.236
149.5	1364.017	1357.809	1351.037	1351.601	1343.701
150.0	1371.918	1365.710	1358.374	1358.938	1351.601
150.5	1379.819	1373.611	1365.146	1365.710	1359.502
151.0	1387.155	1380.947	1371.918	1372.482	1366.839
151.5	1395.056	1388.284	1379.254	1379.254	1373.611
152.0	1402.392	1395.620	1386.026	1385.462	1380.383
152.5	1409.729	1402.392	1392.799	1392.234	1386.591
153.0	1417.065	1409.164	1399.571	1399.006	1392.234
153.5	1423.837	1415.937	1406.343	1405.778	1397.313
154.0	1430.610	1422.709	1413.679	1412.551	1402.957
154.5	1437.946	1428.916	1420.451	1418.758	1408.600
155.0	1444.718	1435.124	1427.223	1425.530	1414.808
155.5	1450.926	1440.768	1433.996	1432.303	1421.016
156.0	1457.134	1446.975	1441.332	1438.510	1427.223
156.5	1463.341	1453.183	1448.104	1445.282	1433.431
157.0	1469.549	1459.391	1454.876	1452.055	1439.639
157.5	1475.193	1465.034	1461.084	1458.262	1445.847
158.0	1480.836	1470.678	1467.292	1464.470	1452.055
158.5	1487.044	1476.886	1473.500	1470.678	1458.827
159.0	1492.123	1482.529	1479.143	1476.886	1465.034
159.5	1497.766	1488.172	1484.786	1483.093	1471.242
160.0	1502.845	1493.252	1490.430	1488.737	1477.450
160.5	1507.925	1498.331	1495.509	1494.380	1483.658
161.0	1513.004	1503.410	1500.588	1500.024	1489.866
161.5	1518.083	1509.053	1505.103	1505.667	1496.073
162.0	1523.726	1514.132	1509.618	1511.311	1501.717
162.5	1528.805	1519.211	1514.132	1516.390	1506.796
163.0	1533.884	1524.290	1518.647	1521.469	1511.875
163.5	1538.963	1528.805	1523.162	1526.548	1516.390
164.0	1544.042	1533.320	1527.112	1531.063	1520.904
164.5	1547.993	1537.835	1531.063	1535.577	1525.419
165.0	1552.508	1542.349	1535.013	1540.092	1529.370
165.5	1557.022	1546.300	1538.963	1544.042	1533.320
166.0	1561.537	1550.250	1542.914	1547.993	1536.706
166.5	1566.052	1554.201	1546.864	1551.379	1540.656

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1570.002	1557.587	1550.250	1554.765	1544.042
167.5	1573.953	1560.973	1554.201	1558.151	1547.993
168.0	1577.903	1564.359	1557.587	1561.537	1551.379
168.5	1581.853	1567.745	1560.973	1564.923	1555.329
169.0	1585.239	1570.567	1564.359	1567.745	1558.715
169.5	1588.061	1573.388	1567.181	1570.567	1562.101
170.0	1590.883	1576.210	1570.002	1573.388	1566.052
170.5	1593.705	1579.032	1572.260	1576.210	1568.874
171.0	1596.526	1581.289	1574.517	1579.032	1571.695
171.5	1598.784	1583.546	1576.774	1581.853	1574.517
172.0	1601.041	1585.804	1578.467	1584.111	1576.774
172.5	1603.298	1588.061	1580.160	1585.804	1578.467
173.0	1605.556	1590.319	1581.853	1588.061	1579.596
173.5	1607.249	1592.012	1583.546	1589.190	1580.725
174.0	1608.942	1593.705	1585.239	1590.319	1581.289
174.5	1610.071	1594.833	1586.368	1591.447	1581.853
175.0	1611.199	1596.526	1587.497	1592.012	1581.853
175.5	1612.328	1597.655	1589.190	1592.576	1582.418
176.0	1613.457	1598.784	1590.319	1592.576	1582.418
176.5	1614.021	1599.912	1590.883	1593.140	1582.418
177.0	1614.585	1601.041	1592.012	1593.140	1581.853
177.5	1615.714	1602.170	1593.140	1593.140	1581.853
178.0	1616.278	1602.170	1593.705	1593.140	1582.418
178.5	1616.278	1602.734	1594.269	1593.140	1582.418
179.0	1616.843	1603.298	1594.269	1593.140	1582.418
179.5	1617.407	1603.298	1594.833	1593.140	1582.418
180.0	1597.655	1597.655	1597.655	1597.655	1597.655



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	586.55	N.A.	7.10
0-30	1226.28	N.A.	14.90
0-40	1970.04	N.A.	24.00
0-60	3347.55	N.A.	40.70
0-80	4099.45	N.A.	49.90
0-90	4178.9	N.A.	50.80
10-90	4025.79	N.A.	49.00
20-40	1383.49	N.A.	16.80
20-50	2121.82	N.A.	25.80
40-70	1856.23	N.A.	22.60
60-80	751.90	N.A.	9.10
70-80	273.17	N.A.	3.30
80-90	79.45	N.A.	1.00
90-110	231.21	N.A.	2.80
90-120	593.53	N.A.	7.20
90-130	1202.4	N.A.	14.60
90-150	2796.69	N.A.	34.00
90-180	4041.96	N.A.	49.20
110-180	3810.75	N.A.	46.40
0-180	8220.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.10
10-20	433.45
20-30	639.73
30-40	743.76
40-50	738.33
50-60	639.17
60-70	478.73
70-80	273.17
80-90	79.45
90-100	49.87
100-110	181.34
110-120	362.32
120-130	608.87
130-140	796.15
140-150	798.14
150-160	659.30
160-170	434.45
170-180	151.51

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-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-L12-935U-L12-935D-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	UGR Viewed Endwise			
	3H	18.0	18.8	19.0	19.8	21.0	16.1	17.0	17.1	18.0
	4H	18.6	19.4	19.6	20.3	21.6	17.9	18.7	18.9	19.7
	6H	19.0	19.7	20.0	20.7	22.0	18.5	19.3	19.5	20.3
	8H	19.2	19.8	20.2	20.8	22.1	19.0	19.7	20.0	20.7
	12H	19.3	19.9	20.3	20.9	22.2	19.1	19.8	20.1	20.8

4H	2H	16.8	17.5	17.7	18.5	19.8	19.2	19.9	20.2	20.9
	3H	18.7	19.4	19.7	20.4	21.7	16.7	17.4	17.7	18.4
	4H	19.5	20.0	20.5	21.0	22.4	18.7	19.3	19.7	20.3
	6H	20.0	20.5	21.0	21.5	22.9	19.4	20.0	20.4	21.0
	8H	20.2	20.7	21.2	21.7	23.0	20.0	20.5	21.0	21.5
	12H	20.3	20.7	21.3	21.8	23.1	20.2	20.7	21.2	21.7

8H	4H	19.7	20.2	20.7	21.2	22.5	20.3	20.8	21.4	21.8
	6H	20.4	20.8	21.4	21.8	23.2	16.7	17.4	17.7	18.4
	8H	20.7	21.0	21.7	22.0	23.4	18.7	19.3	19.7	20.3
	12H	20.9	21.2	21.9	22.2	23.6	19.4	20.0	20.4	21.0

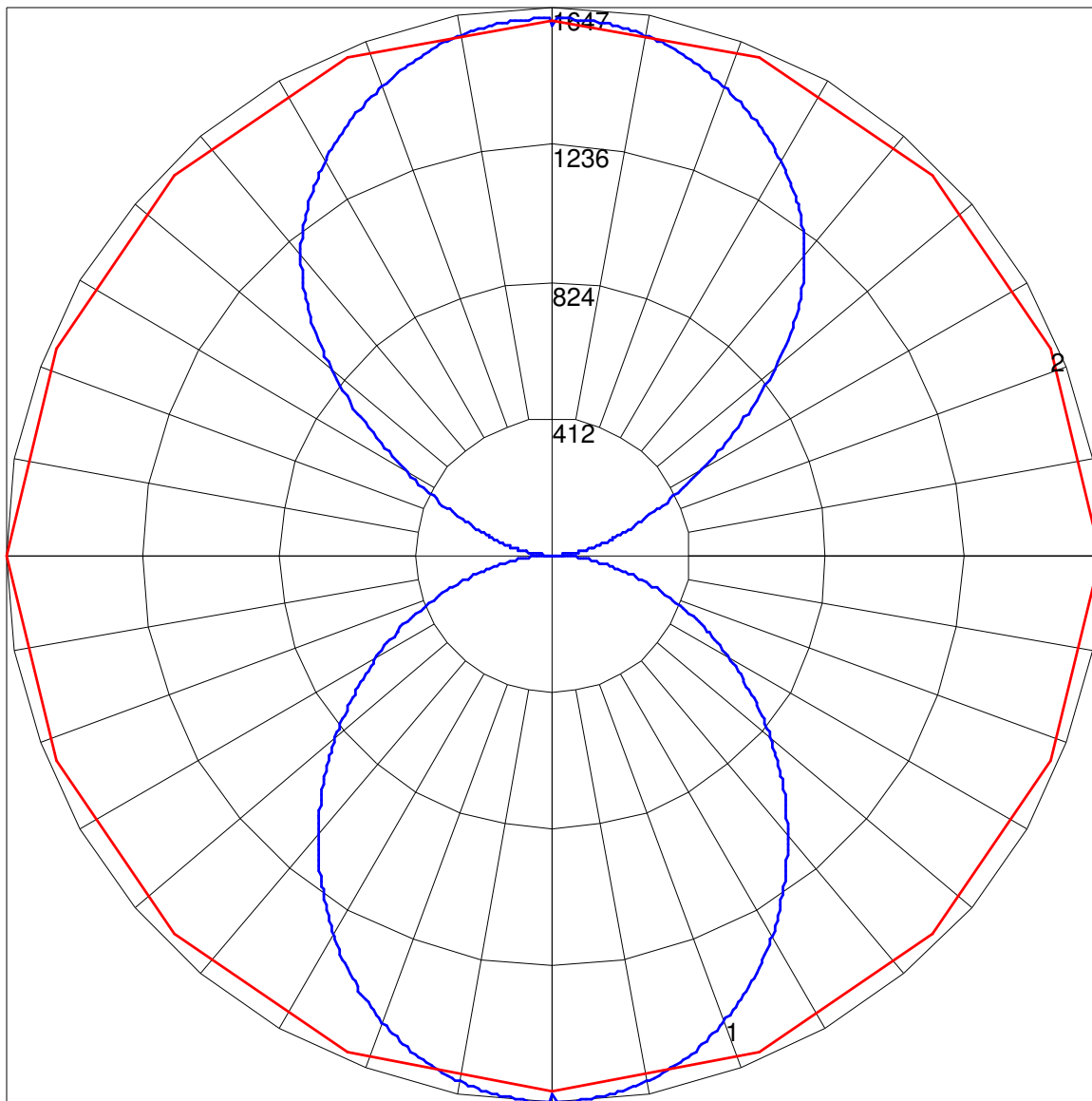
12H	4H	19.7	20.1	20.7	21.2	22.5	20.0	20.5	21.0	21.5
	6H	20.5	20.8	21.5	21.8	23.2	20.2	20.7	21.2	21.7
	8H	20.7	21.0	21.8	22.1	23.5	20.7	21.0	21.7	22.1

Maximum UGR = 23.6

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L12-935D-F-F-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 1647.488 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.)