

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-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-L15-935U-L15-935D-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	10148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	102.3
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	13637	13296	13144
55	12536	12232	12103
65	11562	11283	11161
75	9805	9800	9794
85	7658	7965	8196

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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	1978.720	1978.720	1978.720	1978.720	1978.720
0.5	2008.600	1980.380	1970.420	1974.570	1967.930
1.0	2008.600	1979.550	1970.420	1974.570	1967.930
1.5	2007.770	1978.720	1969.590	1974.570	1967.100
2.0	2006.940	1977.890	1968.760	1973.740	1967.100
2.5	2006.110	1977.060	1967.100	1972.910	1966.270
3.0	2004.450	1975.400	1966.270	1972.080	1964.610
3.5	2002.790	1973.740	1964.610	1970.420	1962.950
4.0	2001.130	1972.080	1962.950	1968.760	1961.290
4.5	1999.470	1969.590	1961.290	1967.100	1958.800
5.0	1997.810	1967.930	1958.800	1964.610	1956.310
5.5	1995.320	1965.440	1956.310	1962.120	1953.820
6.0	1992.830	1962.120	1953.820	1959.630	1950.500
6.5	1989.510	1959.630	1950.500	1956.310	1948.010
7.0	1987.020	1956.310	1948.010	1952.990	1944.690
7.5	1984.530	1952.990	1944.690	1949.670	1942.200
8.0	1980.380	1949.670	1940.540	1946.350	1938.880
8.5	1977.060	1945.520	1936.390	1942.200	1934.730
9.0	1972.910	1942.200	1933.070	1938.050	1930.580
9.5	1968.760	1938.050	1928.090	1933.070	1926.430
10.0	1964.610	1933.900	1923.940	1928.920	1921.450
10.5	1959.630	1928.920	1918.960	1923.940	1917.300
11.0	1955.480	1923.940	1913.980	1918.960	1911.490
11.5	1949.670	1918.960	1909.000	1913.980	1906.510
12.0	1944.690	1913.980	1904.020	1908.170	1900.700
12.5	1939.710	1908.170	1898.210	1902.360	1894.890
13.0	1933.900	1903.190	1892.400	1896.550	1889.080
13.5	1928.090	1896.550	1886.590	1889.910	1883.270
14.0	1922.280	1890.740	1879.950	1884.100	1877.460
14.5	1916.470	1884.930	1873.310	1877.460	1870.820
15.0	1910.660	1878.290	1866.670	1870.820	1864.180
15.5	1903.190	1872.480	1860.030	1863.350	1856.710
16.0	1894.890	1865.840	1852.560	1856.710	1850.070
16.5	1886.590	1858.370	1845.090	1849.240	1842.600
17.0	1879.120	1850.900	1837.620	1841.770	1835.130
17.5	1870.820	1842.600	1829.320	1833.470	1826.830
18.0	1862.520	1834.300	1821.020	1825.170	1818.530
18.5	1854.220	1826.000	1812.720	1816.040	1810.230
19.0	1845.920	1817.700	1805.250	1807.740	1800.270
19.5	1836.790	1809.400	1796.950	1797.780	1790.310
20.0	1828.490	1800.270	1789.480	1788.650	1780.350
20.5	1819.360	1791.970	1781.180	1778.690	1770.390
21.0	1810.230	1782.840	1772.050	1768.730	1759.600
21.5	1800.270	1773.710	1762.090	1758.770	1748.810
22.0	1791.140	1763.750	1751.300	1747.980	1738.850
22.5	1781.180	1753.790	1741.340	1737.190	1728.060
23.0	1771.220	1743.830	1731.380	1725.570	1717.270
23.5	1761.260	1733.870	1720.590	1714.780	1707.310
24.0	1750.470	1723.910	1710.630	1703.990	1696.520
24.5	1739.680	1713.120	1699.840	1693.200	1685.730
25.0	1729.720	1702.330	1689.050	1682.410	1674.940
25.5	1718.930	1691.540	1677.430	1671.620	1663.320
26.0	1707.310	1679.920	1666.640	1660.830	1652.530
26.5	1696.520	1669.130	1655.020	1650.040	1641.740

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1684.900	1657.510	1643.400	1639.250	1630.120
27.5	1673.280	1645.890	1632.610	1628.460	1619.330
28.0	1661.660	1633.440	1620.160	1616.840	1607.710
28.5	1649.210	1620.990	1608.540	1606.050	1596.090
29.0	1636.760	1609.370	1596.920	1594.430	1584.470
29.5	1625.140	1596.920	1585.300	1581.980	1573.680
30.0	1612.690	1584.470	1573.680	1570.360	1562.060
30.5	1600.240	1572.020	1561.230	1558.740	1550.440
31.0	1586.960	1560.400	1548.780	1546.290	1538.820
31.5	1574.510	1547.950	1536.330	1533.840	1526.370
32.0	1561.230	1534.670	1523.880	1520.560	1513.920
32.5	1547.950	1522.220	1511.430	1508.110	1500.640
33.0	1534.670	1509.770	1498.980	1495.660	1487.360
33.5	1522.220	1496.490	1485.700	1482.380	1474.910
34.0	1508.110	1483.210	1473.250	1469.100	1461.630
34.5	1494.830	1469.930	1459.140	1455.820	1447.520
35.0	1481.550	1457.480	1445.860	1442.540	1433.410
35.5	1467.440	1443.370	1432.580	1429.260	1419.300
36.0	1453.330	1430.090	1419.300	1415.150	1406.020
36.5	1440.050	1416.810	1406.020	1401.870	1392.740
37.0	1425.940	1402.700	1391.910	1387.760	1378.630
37.5	1411.830	1388.590	1378.630	1373.650	1365.350
38.0	1396.890	1374.480	1364.520	1359.540	1351.240
38.5	1382.780	1360.370	1350.410	1346.260	1337.130
39.0	1369.500	1346.260	1336.300	1332.150	1323.850
39.5	1354.560	1332.150	1323.020	1318.040	1308.910
40.0	1340.450	1317.210	1308.910	1303.930	1295.630
40.5	1325.510	1303.100	1294.800	1289.820	1281.520
41.0	1311.400	1288.160	1280.690	1274.880	1266.580
41.5	1296.460	1274.050	1265.750	1260.770	1251.640
42.0	1282.350	1259.110	1251.640	1246.660	1237.530
42.5	1268.240	1245.000	1237.530	1231.720	1223.420
43.0	1253.300	1230.890	1223.420	1217.610	1208.480
43.5	1239.190	1215.950	1208.480	1203.500	1194.370
44.0	1224.250	1201.010	1193.540	1188.560	1180.260
44.5	1209.310	1186.070	1178.600	1173.620	1165.320
45.0	1194.370	1171.960	1164.490	1158.680	1151.210
45.5	1180.260	1157.020	1149.550	1144.570	1137.100
46.0	1165.320	1142.080	1134.610	1129.630	1122.990
46.5	1150.380	1127.140	1120.500	1115.520	1108.880
47.0	1135.440	1112.200	1105.560	1100.580	1093.940
47.5	1119.670	1097.260	1090.620	1085.640	1079.830
48.0	1104.730	1082.320	1075.680	1071.530	1064.890
48.5	1089.790	1067.380	1061.570	1056.590	1049.950
49.0	1074.020	1052.440	1046.630	1041.650	1035.840
49.5	1059.080	1037.500	1031.690	1027.540	1021.730
50.0	1043.310	1022.560	1016.750	1012.600	1006.790
50.5	1027.540	1007.620	1001.810	997.660	992.680
51.0	1011.770	992.680	986.870	982.720	977.740
51.5	996.830	977.740	971.930	968.610	962.800
52.0	981.890	962.800	956.990	953.670	948.690
52.5	966.120	947.860	942.050	939.560	933.750
53.0	951.180	932.920	927.110	924.620	918.810
53.5	935.410	917.980	912.170	909.680	903.870
54.0	920.470	903.040	898.060	895.570	888.930
54.5	905.530	888.930	883.120	880.630	873.990

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55.0	890.590	874.820	869.010	866.520	859.880
55.5	876.480	859.880	854.070	851.580	845.770
56.0	860.710	844.940	839.130	837.470	830.830
56.5	845.770	830.830	824.605	822.779	816.222
57.0	831.660	815.890	809.914	807.922	801.697
57.5	817.052	801.448	795.306	793.480	787.006
58.0	802.444	787.172	780.615	778.955	772.481
58.5	787.753	772.813	766.173	764.679	758.537
59.0	773.311	758.371	751.648	750.237	744.344
59.5	759.284	743.763	736.874	735.878	730.317
60.0	744.925	729.238	722.266	721.436	716.041
60.5	730.732	715.045	708.156	706.911	701.599
61.0	716.788	700.852	694.129	692.718	687.489
61.5	701.848	686.825	680.185	678.608	673.545
62.0	687.157	672.383	665.743	664.581	659.269
62.5	672.134	659.020	652.131	651.218	645.740
63.0	657.692	647.234	641.673	641.258	636.776
63.5	643.084	634.369	629.970	629.057	624.409
64.0	634.286	621.836	617.852	616.026	610.714
64.5	620.591	608.473	604.157	602.497	597.517
65.0	605.236	594.197	590.628	589.051	584.237
65.5	589.549	579.755	576.518	575.771	570.874
66.0	574.443	565.645	562.740	562.408	557.179
66.5	559.503	551.203	548.713	548.713	544.065
67.0	544.729	536.844	534.852	535.101	530.868
67.5	530.204	522.734	520.908	521.406	517.256
68.0	515.513	508.624	506.964	507.628	503.312
68.5	500.739	494.265	492.937	493.850	489.617
69.0	485.467	479.823	478.827	479.325	475.424
69.5	470.610	465.630	464.468	465.049	461.480
70.0	455.919	451.271	450.441	450.690	447.536
70.5	441.477	436.829	436.248	436.497	433.509
71.0	426.703	422.470	422.304	422.636	419.399
71.5	411.929	408.111	408.443	408.692	405.870
72.0	397.570	393.669	394.333	394.665	392.258
72.5	383.211	379.476	380.555	380.887	378.895
73.0	369.018	365.615	367.109	367.524	365.781
73.5	355.240	351.920	353.663	354.410	352.501
74.0	341.628	338.225	340.383	340.964	339.719
74.5	328.016	324.779	327.186	327.767	326.854
75.0	314.321	311.416	314.155	314.736	313.989
75.5	300.792	298.053	301.207	301.954	301.124
76.0	287.097	285.188	288.425	289.255	288.591
76.5	274.149	272.489	275.726	276.639	276.058
77.0	261.533	259.707	263.276	264.106	263.193
77.5	248.502	247.257	250.826	251.490	250.577
78.0	235.803	234.807	238.376	239.372	238.459
78.5	223.187	222.689	226.092	227.254	226.507
79.0	211.069	210.571	214.057	215.468	214.887
79.5	198.951	198.702	202.188	203.682	203.184
80.0	186.999	187.082	190.319	192.394	191.730
80.5	174.964	175.711	179.031	181.023	180.525
81.0	163.427	164.589	167.826	169.901	169.569
81.5	152.305	153.550	156.870	158.945	158.696
82.0	141.930	142.760	146.163	148.321	148.072
82.5	131.555	132.302	135.622	137.780	137.614

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83.0	121.180	122.342	125.247	127.488	127.654
83.5	110.971	112.382	115.204	117.362	117.860
84.0	101.426	102.588	105.244	107.319	108.066
84.5	91.715	92.960	95.450	97.525	98.272
85.0	82.668	83.664	85.988	87.814	88.478
85.5	73.870	74.368	76.360	78.269	78.933
86.0	65.238	65.404	67.147	68.890	69.720
86.5	56.689	56.689	58.266	59.843	60.590
87.0	48.057	48.057	49.219	51.211	51.792
87.5	39.508	39.591	40.670	42.662	43.409
88.0	31.374	31.291	32.370	34.528	35.358
88.5	23.572	23.074	24.485	26.394	27.556
89.0	15.272	15.023	16.932	18.758	20.003
89.5	7.055	8.383	10.126	11.537	11.952
90.0	0.000	0.000	0.000	0.000	0.000
90.5	5.221	2.751	2.540	2.469	2.681
91.0	11.500	6.067	4.938	4.868	4.797
91.5	18.484	12.346	7.337	7.267	7.196
92.0	25.539	20.530	10.582	9.454	9.454
92.5	32.876	28.996	16.368	11.852	11.641
93.0	40.496	37.109	23.140	15.733	14.181
93.5	48.186	44.870	30.407	21.236	18.484
94.0	55.734	52.489	38.450	27.797	24.340
94.5	63.495	60.109	46.845	34.569	30.689
95.0	71.114	67.940	55.100	41.483	36.968
95.5	78.734	75.277	63.142	48.609	43.600
96.0	86.000	82.755	71.044	56.017	50.373
96.5	93.338	90.233	78.945	63.566	57.357
97.0	100.463	97.571	86.776	71.114	64.765
97.5	107.800	104.978	94.678	78.804	72.173
98.0	115.067	112.245	102.368	86.424	79.651
98.5	122.334	119.582	109.776	94.184	87.129
99.0	129.741	127.131	117.325	101.592	94.678
99.5	137.220	134.609	124.944	109.000	102.086
100.0	144.557	142.158	132.563	116.619	109.352
100.5	152.176	149.707	140.183	124.521	116.690
101.0	160.007	157.256	147.943	132.493	124.662
101.5	167.980	164.946	155.845	140.465	132.916
102.0	175.740	172.918	163.747	148.437	141.100
102.5	183.853	180.820	171.930	156.409	149.213
103.0	192.178	189.003	180.044	164.311	157.468
103.5	200.503	197.328	188.651	172.777	165.651
104.0	209.040	205.724	197.399	181.525	174.188
104.5	217.858	214.472	206.147	190.485	182.724
105.0	226.889	223.432	214.825	199.304	191.402
105.5	236.131	232.533	223.785	208.193	200.009
106.0	245.514	241.704	232.886	217.223	208.616
106.5	254.968	251.158	242.410	226.324	217.294
107.0	265.056	261.035	252.569	235.990	226.748
107.5	275.498	271.194	262.869	246.219	236.977
108.0	285.869	281.636	273.381	257.296	247.489
108.5	296.804	292.289	283.893	268.372	258.354
109.0	308.021	303.153	294.687	279.590	269.360
109.5	319.521	314.441	306.046	290.737	280.507
110.0	331.797	326.012	317.687	302.166	292.148
110.5	344.355	337.864	329.610	314.441	304.212

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111.0	357.054	350.281	341.956	327.211	316.346
111.5	370.035	363.050	354.514	340.192	328.834
112.0	383.510	376.173	367.001	353.173	340.756
112.5	397.055	389.648	379.630	366.084	353.385
113.0	411.236	403.546	392.963	379.418	366.578
113.5	425.840	418.079	407.073	393.810	380.758
114.0	440.655	432.895	422.030	409.119	396.491
114.5	455.965	448.204	437.269	425.064	413.211
115.0	471.486	463.937	453.072	441.149	430.143
115.5	487.712	479.811	469.299	457.164	446.864
116.0	504.080	496.319	486.089	474.025	463.866
116.5	521.364	513.251	503.445	491.310	481.998
117.0	539.355	530.536	520.941	509.935	500.693
117.5	552.618	544.011	536.956	527.079	519.671
118.0	569.550	559.744	553.394	544.787	536.533
118.5	589.234	578.510	570.185	561.225	551.701
119.0	608.494	596.994	589.234	579.850	568.562
119.5	627.966	616.678	609.411	598.758	587.470
120.0	648.072	637.066	629.659	619.429	607.435
120.5	668.038	657.738	650.542	641.370	628.742
121.0	688.991	678.832	671.565	663.241	651.388
121.5	709.733	699.715	692.519	685.393	673.541
122.0	731.603	721.021	714.671	707.616	695.764
122.5	752.768	742.186	736.542	729.487	716.788
123.0	774.639	764.762	759.118	753.474	740.069
123.5	797.215	787.338	783.105	777.461	764.056
124.0	819.791	810.619	806.386	801.448	788.749
124.5	842.367	833.195	829.668	824.729	812.736
125.0	864.943	855.771	852.244	848.011	836.017
125.5	888.224	879.053	875.525	871.292	858.593
126.0	910.800	901.629	899.512	894.574	881.169
126.5	933.376	924.205	923.499	919.266	905.156
127.0	956.658	947.486	947.486	943.959	930.554
127.5	979.939	970.062	970.062	967.946	955.952
128.0	1002.515	992.638	993.344	991.933	979.939
128.5	1025.091	1014.509	1015.920	1015.920	1003.221
129.0	1047.667	1036.379	1038.496	1039.201	1027.208
129.5	1070.243	1058.955	1061.777	1063.188	1051.900
130.0	1092.819	1081.531	1085.059	1087.175	1078.004
130.5	1115.395	1103.402	1109.046	1110.457	1102.696
131.0	1137.971	1125.272	1131.622	1133.033	1125.272
131.5	1159.136	1146.437	1154.198	1154.198	1147.143
132.0	1181.007	1167.602	1176.068	1176.774	1168.308
132.5	1202.172	1189.473	1197.939	1198.644	1189.473
133.0	1223.337	1211.343	1219.104	1220.515	1209.932
133.5	1244.502	1232.508	1240.974	1242.385	1231.803
134.0	1265.667	1252.968	1261.434	1263.550	1252.968
134.5	1284.715	1273.427	1281.188	1282.599	1273.427
135.0	1303.764	1293.181	1300.236	1301.647	1291.770
135.5	1322.107	1313.641	1319.285	1319.990	1310.113
136.0	1340.450	1332.689	1336.922	1339.039	1329.162
136.5	1359.498	1351.032	1354.560	1358.087	1348.916
137.0	1377.136	1369.375	1372.903	1375.725	1367.259
137.5	1394.773	1386.307	1389.835	1391.951	1383.485
138.0	1411.705	1403.239	1406.061	1407.472	1399.006
138.5	1428.637	1419.466	1422.288	1422.993	1413.822

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1444.864	1435.692	1438.514	1438.514	1428.637
139.5	1461.090	1451.919	1454.035	1453.330	1442.747
140.0	1476.611	1466.734	1469.556	1468.851	1458.268
140.5	1491.427	1480.844	1483.666	1482.961	1471.673
141.0	1506.242	1495.660	1497.776	1496.365	1485.077
141.5	1519.647	1509.064	1511.886	1509.770	1497.071
142.0	1533.757	1523.174	1525.291	1522.469	1509.770
142.5	1547.161	1536.579	1538.695	1535.873	1521.763
143.0	1560.566	1549.278	1551.394	1548.572	1534.462
143.5	1573.265	1562.682	1564.093	1561.271	1546.456
144.0	1585.258	1575.381	1576.087	1572.559	1557.744
144.5	1597.252	1587.375	1588.080	1583.847	1569.032
145.0	1608.540	1599.368	1599.368	1594.430	1579.614
145.5	1620.533	1611.362	1610.656	1606.423	1590.902
146.0	1631.821	1622.650	1621.944	1617.006	1602.190
146.5	1643.109	1633.938	1632.527	1628.294	1613.478
147.0	1653.692	1645.226	1642.404	1639.582	1624.766
147.5	1664.274	1655.808	1652.986	1650.164	1635.349
148.0	1674.857	1666.391	1662.158	1660.041	1646.637
148.5	1685.439	1676.973	1671.329	1669.918	1657.925
149.0	1695.316	1687.556	1680.501	1679.795	1669.213
149.5	1705.193	1697.433	1688.967	1689.672	1679.795
150.0	1715.070	1707.310	1698.138	1698.844	1689.672
150.5	1724.947	1717.187	1706.604	1707.310	1699.549
151.0	1734.119	1726.358	1715.070	1715.776	1708.721
151.5	1743.996	1735.530	1724.242	1724.242	1717.187
152.0	1753.167	1744.701	1732.708	1732.002	1725.653
152.5	1762.339	1753.167	1741.174	1740.468	1733.413
153.0	1771.510	1761.633	1749.640	1748.934	1740.468
153.5	1779.976	1770.099	1758.106	1757.400	1746.818
154.0	1788.442	1778.565	1767.277	1765.866	1753.873
154.5	1797.614	1786.326	1775.743	1773.627	1760.928
155.0	1806.080	1794.086	1784.209	1782.093	1768.688
155.5	1813.840	1801.141	1792.675	1790.559	1776.449
156.0	1821.601	1808.902	1801.847	1798.319	1784.209
156.5	1829.361	1816.662	1810.313	1806.785	1791.970
157.0	1837.122	1824.423	1818.779	1815.251	1799.730
157.5	1844.177	1831.478	1826.539	1823.012	1807.491
158.0	1851.232	1838.533	1834.300	1830.772	1815.251
158.5	1858.992	1846.293	1842.060	1838.533	1823.717
159.0	1865.342	1853.348	1849.115	1846.293	1831.478
159.5	1872.397	1860.403	1856.170	1854.054	1839.238
160.0	1878.746	1866.753	1863.225	1861.109	1846.999
160.5	1885.096	1873.102	1869.575	1868.164	1854.759
161.0	1891.445	1879.452	1875.924	1875.219	1862.520
161.5	1897.795	1886.507	1881.568	1882.274	1870.280
162.0	1904.850	1892.856	1887.212	1889.329	1877.335
162.5	1911.199	1899.206	1892.856	1895.678	1883.685
163.0	1917.549	1905.555	1898.500	1902.028	1890.034
163.5	1923.898	1911.199	1904.144	1908.377	1895.678
164.0	1930.248	1916.843	1909.083	1914.021	1901.322
164.5	1935.186	1922.487	1914.021	1919.665	1906.966
165.0	1940.830	1928.131	1918.960	1925.309	1911.905
165.5	1946.474	1933.070	1923.898	1930.248	1916.843
166.0	1952.118	1938.008	1928.837	1935.186	1921.076
166.5	1957.762	1942.947	1933.775	1939.419	1926.015

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1962.701	1947.180	1938.008	1943.652	1930.248
167.5	1967.639	1951.413	1942.947	1947.885	1935.186
168.0	1972.578	1955.646	1947.180	1952.118	1939.419
168.5	1977.516	1959.879	1951.413	1956.351	1944.358
169.0	1981.749	1963.406	1955.646	1959.879	1948.591
169.5	1985.277	1966.934	1959.173	1963.406	1952.824
170.0	1988.804	1970.461	1962.701	1966.934	1957.762
170.5	1992.332	1973.989	1965.523	1970.461	1961.290
171.0	1995.859	1976.811	1968.345	1973.989	1964.817
171.5	1998.681	1979.633	1971.167	1977.516	1968.345
172.0	2001.503	1982.455	1973.283	1980.338	1971.167
172.5	2004.325	1985.277	1975.400	1982.455	1973.283
173.0	2007.147	1988.099	1977.516	1985.277	1974.694
173.5	2009.264	1990.215	1979.633	1986.688	1976.105
174.0	2011.380	1992.332	1981.749	1988.099	1976.811
174.5	2012.791	1993.743	1983.160	1989.510	1977.516
175.0	2014.202	1995.859	1984.571	1990.215	1977.516
175.5	2015.613	1997.270	1986.688	1990.921	1978.222
176.0	2017.024	1998.681	1988.099	1990.921	1978.222
176.5	2017.730	2000.092	1988.804	1991.626	1978.222
177.0	2018.435	2001.503	1990.215	1991.626	1977.516
177.5	2019.846	2002.914	1991.626	1991.626	1977.516
178.0	2020.552	2002.914	1992.332	1991.626	1978.222
178.5	2020.552	2003.620	1993.037	1991.626	1978.222
179.0	2021.257	2004.325	1993.037	1991.626	1978.222
179.5	2021.963	2004.325	1993.743	1991.626	1978.222
180.0	1997.270	1997.270	1997.270	1997.270	1997.270

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	715.12	N.A.	7.00
0-30	1495.07	N.A.	14.70
0-40	2401.86	N.A.	23.70
0-60	4081.29	N.A.	40.20
0-80	4998.00	N.A.	49.30
0-90	5094.86	N.A.	50.20
10-90	4908.2	N.A.	48.40
20-40	1686.74	N.A.	16.60
20-50	2586.9	N.A.	25.50
40-70	2263.1	N.A.	22.30
60-80	916.71	N.A.	9.00
70-80	333.05	N.A.	3.30
80-90	96.86	N.A.	1.00
90-110	289.04	N.A.	2.80
90-120	741.99	N.A.	7.30
90-130	1503.15	N.A.	14.80
90-150	3496.22	N.A.	34.50
90-180	5052.96	N.A.	49.80
110-180	4763.92	N.A.	46.90
0-180	10147.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.66
10-20	528.46
20-30	779.95
30-40	906.78
40-50	900.16
50-60	779.27
60-70	583.66
70-80	333.05
80-90	96.86
90-100	62.34
100-110	226.70
110-120	452.95
120-130	761.16
130-140	995.29
140-150	997.78
150-160	824.21
160-170	543.12
170-180	189.41

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-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	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	47	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	53	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 : MX4WUDC-4-00-L15-935U-L15-935D-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	16.9	17.8	17.9	18.8	20.0	16.8	17.7	17.8	18.7	19.9
	3H	18.7	19.5	19.7	20.4	21.7	18.6	19.4	19.6	20.4	21.6
	4H	19.3	20.0	20.3	21.0	22.3	19.2	20.0	20.2	20.9	22.2
	6H	19.7	20.4	20.7	21.4	22.7	19.7	20.4	20.7	21.4	22.7
	8H	19.9	20.5	20.9	21.5	22.8	19.8	20.5	20.8	21.5	22.8
	12H	19.9	20.6	20.9	21.6	22.9	19.9	20.5	20.9	21.5	22.9

UGR Viewed Endwise

4H	2H	17.5	18.2	18.5	19.2	20.5	17.4	18.1	18.4	19.1	20.4
	3H	19.4	20.0	20.4	21.1	22.4	19.4	20.0	20.4	21.0	22.3
	4H	20.2	20.7	21.2	21.7	23.1	20.1	20.7	21.1	21.7	23.0
	6H	20.7	21.2	21.7	22.2	23.6	20.7	21.2	21.7	22.2	23.6
	8H	20.9	21.4	21.9	22.4	23.7	20.9	21.4	21.9	22.4	23.7
	12H	21.0	21.4	22.1	22.5	23.8	21.0	21.4	22.1	22.5	23.8

8H	4H	20.4	20.9	21.4	21.9	23.2	20.4	20.8	21.4	21.8	23.2
	6H	21.1	21.5	22.1	22.5	23.9	21.1	21.5	22.1	22.5	23.9
	8H	21.4	21.7	22.4	22.7	24.1	21.4	21.7	22.4	22.8	24.1
	12H	21.6	21.8	22.6	22.9	24.3	21.6	21.9	22.7	22.9	24.3

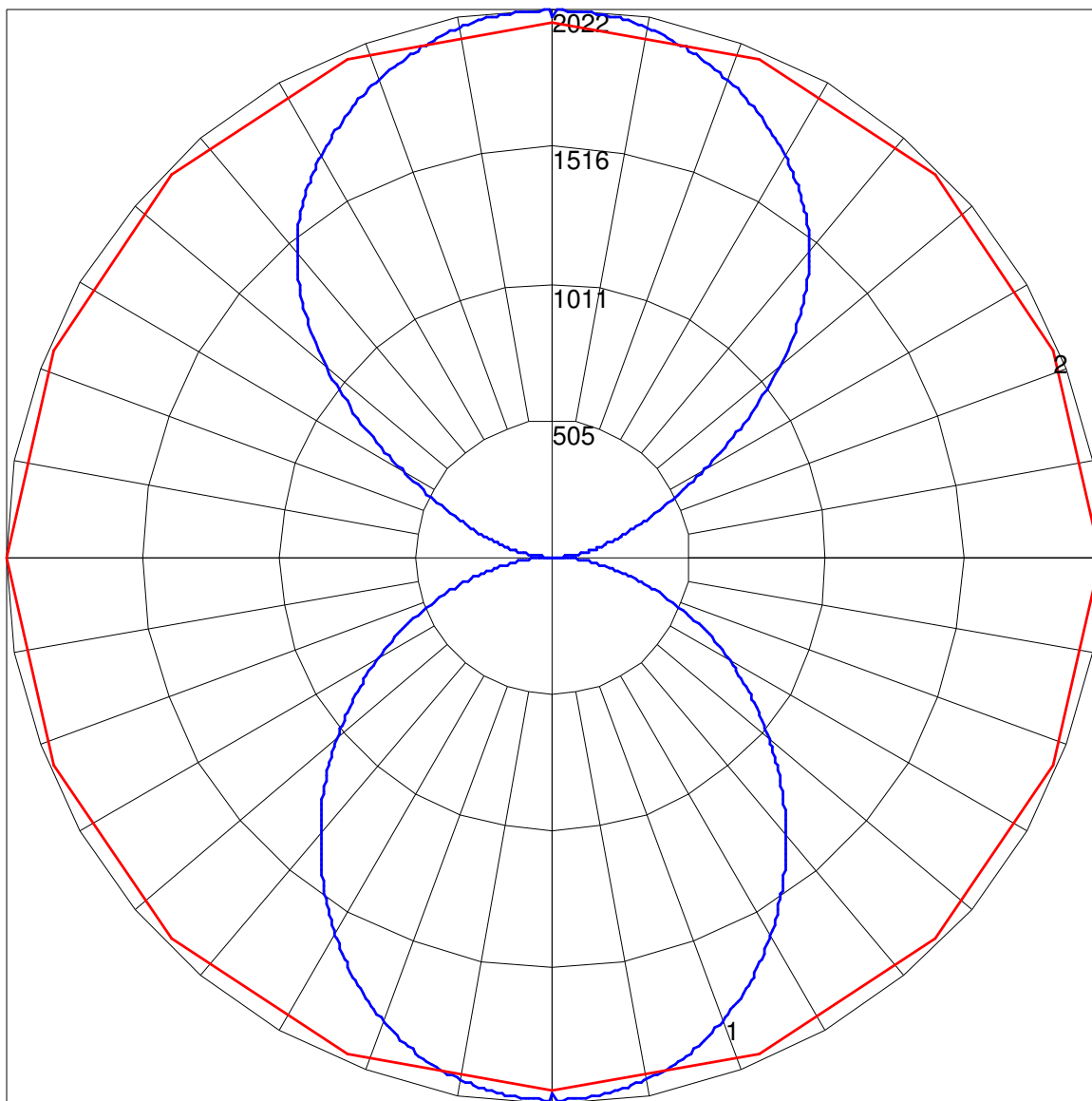
12H	4H	20.4	20.8	21.4	21.9	23.2	20.4	20.8	21.4	21.8	23.2
	6H	21.1	21.5	22.2	22.5	23.9	21.1	21.5	22.2	22.5	23.9
	8H	21.4	21.7	22.5	22.8	24.2	21.5	21.7	22.5	22.8	24.2

Maximum UGR = 24.3

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L15-935U-L15-935D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 2021.963 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.)