

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-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-L8-935D-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	6846
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	9314	9081	8977
55	8562	8354	8267
65	7897	7706	7623
75	6697	6693	6690
85	5230	5440	5598

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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	1351.473	1351.473	1351.473	1351.473	1351.473
0.5	1371.881	1352.607	1345.804	1348.639	1344.104
1.0	1371.881	1352.040	1345.804	1348.639	1344.104
1.5	1371.314	1351.473	1345.237	1348.639	1343.537
2.0	1370.748	1350.906	1344.670	1348.072	1343.537
2.5	1370.181	1350.339	1343.537	1347.505	1342.970
3.0	1369.047	1349.206	1342.970	1346.938	1341.836
3.5	1367.913	1348.072	1341.836	1345.804	1340.702
4.0	1366.779	1346.938	1340.702	1344.670	1339.568
4.5	1365.645	1345.237	1339.568	1343.537	1337.868
5.0	1364.512	1344.104	1337.868	1341.836	1336.167
5.5	1362.811	1342.403	1336.167	1340.135	1334.466
6.0	1361.110	1340.135	1334.466	1338.435	1332.199
6.5	1358.843	1338.435	1332.199	1336.167	1330.498
7.0	1357.142	1336.167	1330.498	1333.899	1328.231
7.5	1355.441	1333.899	1328.231	1331.632	1326.530
8.0	1352.607	1331.632	1325.396	1329.364	1324.262
8.5	1350.339	1328.797	1322.562	1326.530	1321.428
9.0	1347.505	1326.530	1320.294	1323.695	1318.593
9.5	1344.670	1323.695	1316.893	1320.294	1315.759
10.0	1341.836	1320.861	1314.058	1317.460	1312.358
10.5	1338.435	1317.460	1310.657	1314.058	1309.523
11.0	1335.600	1314.058	1307.255	1310.657	1305.555
11.5	1331.632	1310.657	1303.854	1307.255	1302.153
12.0	1328.231	1307.255	1300.453	1303.287	1298.185
12.5	1324.829	1303.287	1296.485	1299.319	1294.217
13.0	1320.861	1299.886	1292.516	1295.351	1290.249
13.5	1316.893	1295.351	1288.548	1290.816	1286.280
14.0	1312.924	1291.382	1284.013	1286.847	1282.312
14.5	1308.956	1287.414	1279.478	1282.312	1277.777
15.0	1304.988	1282.879	1274.943	1277.777	1273.242
15.5	1299.886	1278.911	1270.407	1272.675	1268.140
16.0	1294.217	1274.376	1265.305	1268.140	1263.605
16.5	1288.548	1269.274	1260.203	1263.038	1258.503
17.0	1283.446	1264.172	1255.101	1257.936	1253.401
17.5	1277.777	1258.503	1249.432	1252.267	1247.732
18.0	1272.108	1252.834	1243.763	1246.598	1242.063
18.5	1266.439	1247.165	1238.095	1240.362	1236.394
19.0	1260.770	1241.496	1232.992	1234.693	1229.591
19.5	1254.534	1235.827	1227.324	1227.890	1222.788
20.0	1248.865	1229.591	1222.222	1221.655	1215.986
20.5	1242.630	1223.922	1216.553	1214.852	1209.183
21.0	1236.394	1217.686	1210.317	1208.049	1201.813
21.5	1229.591	1211.451	1203.514	1201.246	1194.444
22.0	1223.355	1204.648	1196.144	1193.877	1187.641
22.5	1216.553	1197.845	1189.342	1186.507	1180.271
23.0	1209.750	1191.042	1182.539	1178.571	1172.902
23.5	1202.947	1184.240	1175.169	1171.201	1166.099
24.0	1195.578	1177.437	1168.367	1163.832	1158.729
24.5	1188.208	1170.067	1160.997	1156.462	1151.360
25.0	1181.405	1162.698	1153.627	1149.092	1143.990
25.5	1174.036	1155.328	1145.691	1141.723	1136.054
26.0	1166.099	1147.392	1138.321	1134.353	1128.684
26.5	1158.729	1140.022	1130.385	1126.983	1121.315

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27.0	1150.793	1132.086	1122.448	1119.614	1113.378
27.5	1142.856	1124.149	1115.079	1112.244	1106.008
28.0	1134.920	1115.646	1106.575	1104.308	1098.072
28.5	1126.417	1107.142	1098.639	1096.938	1090.135
29.0	1117.913	1099.206	1090.702	1089.002	1082.199
29.5	1109.977	1090.702	1082.766	1080.498	1074.829
30.0	1101.473	1082.199	1074.829	1072.562	1066.893
30.5	1092.970	1073.696	1066.326	1064.625	1058.956
31.0	1083.900	1065.759	1057.823	1056.122	1051.020
31.5	1075.396	1057.256	1049.319	1047.618	1042.516
32.0	1066.326	1048.185	1040.816	1038.548	1034.013
32.5	1057.256	1039.682	1032.312	1030.045	1024.943
33.0	1048.185	1031.179	1023.809	1021.541	1015.872
33.5	1039.682	1022.108	1014.739	1012.471	1007.369
34.0	1030.045	1013.038	1006.235	1003.401	998.299
34.5	1020.974	1003.968	996.598	994.330	988.662
35.0	1011.904	995.464	987.528	985.260	979.024
35.5	1002.267	985.827	978.457	976.190	969.387
36.0	992.630	976.757	969.387	966.553	960.317
36.5	983.560	967.687	960.317	957.482	951.247
37.0	973.922	958.049	950.680	947.845	941.609
37.5	964.285	948.412	941.609	938.208	932.539
38.0	954.081	938.775	931.972	928.571	922.902
38.5	944.444	929.138	922.335	919.501	913.265
39.0	935.374	919.501	912.698	909.863	904.194
39.5	925.170	909.863	903.628	900.226	893.990
40.0	915.532	899.659	893.990	890.589	884.920
40.5	905.328	890.022	884.353	880.952	875.283
41.0	895.691	879.818	874.716	870.748	865.079
41.5	885.487	870.181	864.512	861.111	854.875
42.0	875.850	859.977	854.875	851.473	845.238
42.5	866.213	850.340	845.238	841.269	835.600
43.0	856.009	840.702	835.600	831.632	825.396
43.5	846.371	830.498	825.396	821.995	815.759
44.0	836.167	820.294	815.192	811.791	806.122
44.5	825.963	810.090	804.988	801.587	795.918
45.0	815.759	800.453	795.351	791.383	786.281
45.5	806.122	790.249	785.147	781.746	776.644
46.0	795.918	780.045	774.943	771.542	767.006
46.5	785.714	769.841	765.306	761.904	757.369
47.0	775.510	759.637	755.102	751.700	747.165
47.5	764.739	749.433	744.898	741.496	737.528
48.0	754.535	739.229	734.693	731.859	727.324
48.5	744.331	729.025	725.056	721.655	717.120
49.0	733.560	718.820	714.852	711.451	707.483
49.5	723.356	708.616	704.648	701.814	697.845
50.0	712.585	698.412	694.444	691.610	687.641
50.5	701.814	688.208	684.240	681.406	678.004
51.0	691.043	678.004	674.036	671.201	667.800
51.5	680.839	667.800	663.832	661.564	657.596
52.0	670.635	657.596	653.628	651.360	647.959
52.5	659.864	647.392	643.424	641.723	637.755
53.0	649.659	637.188	633.220	631.519	627.551
53.5	638.889	626.984	623.016	621.315	617.347
54.0	628.684	616.780	613.378	611.678	607.143
54.5	618.480	607.143	603.174	601.474	596.938

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55.0	608.276	597.505	593.537	591.836	587.301
55.5	598.639	587.301	583.333	581.632	577.664
56.0	587.868	577.097	573.129	571.995	567.460
56.5	577.664	567.460	563.208	561.961	557.483
57.0	568.027	557.256	553.174	551.814	547.562
57.5	558.050	547.392	543.197	541.950	537.528
58.0	548.072	537.641	533.163	532.029	527.607
58.5	538.038	527.834	523.299	522.279	518.084
59.0	528.174	517.970	513.378	512.415	508.390
59.5	518.594	507.993	503.288	502.607	498.809
60.0	508.787	498.072	493.310	492.744	489.059
60.5	499.093	488.378	483.673	482.823	479.195
61.0	489.569	478.685	474.093	473.129	469.558
61.5	479.365	469.104	464.569	463.492	460.034
62.0	469.331	459.240	454.705	453.911	450.283
62.5	459.070	450.113	445.408	444.784	441.043
63.0	449.206	442.063	438.265	437.982	434.920
63.5	439.229	433.276	430.272	429.648	426.474
64.0	433.220	424.716	421.995	420.748	417.120
64.5	423.866	415.589	412.642	411.508	408.106
65.0	413.378	405.839	403.401	402.324	399.036
65.5	402.664	395.975	393.764	393.254	389.909
66.0	392.347	386.338	384.354	384.127	380.555
66.5	382.143	376.474	374.773	374.773	371.598
67.0	372.052	366.666	365.306	365.476	362.585
67.5	362.131	357.029	355.782	356.122	353.288
68.0	352.097	347.392	346.258	346.712	343.764
68.5	342.007	337.585	336.678	337.301	334.410
69.0	331.576	327.721	327.041	327.381	324.716
69.5	321.428	318.027	317.233	317.630	315.193
70.0	311.394	308.220	307.653	307.823	305.669
70.5	301.530	298.356	297.959	298.129	296.088
71.0	291.440	288.549	288.435	288.662	286.451
71.5	281.349	278.741	278.968	279.138	277.211
72.0	271.542	268.877	269.331	269.558	267.914
72.5	261.735	259.184	259.921	260.147	258.787
73.0	252.041	249.716	250.737	251.020	249.830
73.5	242.630	240.363	241.553	242.063	240.759
74.0	233.333	231.009	232.483	232.880	232.029
74.5	224.036	221.825	223.469	223.866	223.242
75.0	214.682	212.698	214.569	214.966	214.456
75.5	205.442	203.571	205.726	206.236	205.669
76.0	196.088	194.784	196.995	197.562	197.109
76.5	187.245	186.111	188.322	188.945	188.549
77.0	178.628	177.381	179.819	180.385	179.762
77.5	169.728	168.877	171.315	171.769	171.145
78.0	161.054	160.374	162.812	163.492	162.868
78.5	152.438	152.097	154.422	155.215	154.705
79.0	144.161	143.821	146.202	147.165	146.769
79.5	135.884	135.714	138.095	139.116	138.775
80.0	127.721	127.778	129.989	131.406	130.952
80.5	119.501	120.011	122.279	123.639	123.299
81.0	111.621	112.415	114.626	116.043	115.816
81.5	104.025	104.875	107.143	108.560	108.390
82.0	96.939	97.506	99.830	101.304	101.134
82.5	89.853	90.363	92.630	94.104	93.991

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83.0	82.766	83.560	85.544	87.075	87.188
83.5	75.794	76.757	78.685	80.159	80.499
84.0	69.274	70.068	71.882	73.299	73.810
84.5	62.642	63.492	65.193	66.610	67.120
85.0	56.463	57.143	58.730	59.977	60.431
85.5	50.453	50.794	52.154	53.458	53.912
86.0	44.558	44.671	45.862	47.052	47.619
86.5	38.719	38.719	39.796	40.873	41.383
87.0	32.823	32.823	33.617	34.977	35.374
87.5	26.984	27.041	27.778	29.138	29.649
88.0	21.429	21.372	22.109	23.583	24.150
88.5	16.100	15.760	16.723	18.027	18.821
89.0	10.431	10.261	11.565	12.812	13.662
89.5	4.819	5.726	6.916	7.880	8.163
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.478	1.833	1.692	1.645	1.786
91.0	7.660	4.041	3.290	3.243	3.196
91.5	12.312	8.224	4.887	4.840	4.793
92.0	17.012	13.675	7.049	6.297	6.297
92.5	21.899	19.314	10.902	7.895	7.754
93.0	26.974	24.719	15.414	10.480	9.446
93.5	32.097	29.888	20.254	14.145	12.312
94.0	37.125	34.963	25.611	18.515	16.213
94.5	42.294	40.038	31.204	23.027	20.442
95.0	47.369	45.255	36.702	27.632	24.625
95.5	52.445	50.142	42.059	32.378	29.042
96.0	57.285	55.123	47.322	37.313	33.553
96.5	62.172	60.105	52.586	42.341	38.206
97.0	66.919	64.992	57.802	47.369	43.140
97.5	71.806	69.926	63.065	52.492	48.074
98.0	76.646	74.767	68.188	57.567	53.056
98.5	81.487	79.654	73.122	62.736	58.037
99.0	86.421	84.682	78.150	67.671	63.065
99.5	91.402	89.664	83.225	72.605	68.000
100.0	96.290	94.692	88.301	77.680	72.840
100.5	101.365	99.720	93.376	82.943	77.727
101.0	106.581	104.748	98.545	88.254	83.037
101.5	111.891	109.871	103.809	93.564	88.536
102.0	117.061	115.181	109.072	98.874	93.987
102.5	122.465	120.444	114.523	104.184	99.391
103.0	128.010	125.895	119.927	109.448	104.889
103.5	133.555	131.441	125.660	115.087	110.341
104.0	139.242	137.033	131.488	120.914	116.027
104.5	145.116	142.860	137.315	126.882	121.713
105.0	151.131	148.828	143.095	132.757	127.493
105.5	157.287	154.890	149.063	138.678	133.226
106.0	163.537	161.000	155.125	144.693	138.960
106.5	169.834	167.297	161.470	150.755	144.740
107.0	176.554	173.876	168.237	157.193	151.037
107.5	183.509	180.643	175.098	164.007	157.851
108.0	190.417	187.598	182.100	171.385	164.853
108.5	197.701	194.694	189.102	178.763	172.090
109.0	205.173	201.931	196.292	186.235	179.421
109.5	212.833	209.450	203.858	193.660	186.846
110.0	221.010	217.157	211.612	201.273	194.600
110.5	229.375	225.052	219.553	209.450	202.636

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111.0	237.834	233.323	227.777	217.956	210.719
111.5	246.481	241.828	236.142	226.602	219.036
112.0	255.456	250.569	244.460	235.249	226.978
112.5	264.479	259.545	252.872	243.849	235.390
113.0	273.925	268.803	261.754	252.731	244.178
113.5	283.652	278.483	271.152	262.317	253.624
114.0	293.521	288.352	281.115	272.515	264.103
114.5	303.719	298.549	291.265	283.136	275.241
115.0	314.057	309.029	301.792	293.850	286.519
115.5	324.866	319.602	312.600	304.518	297.657
116.0	335.768	330.599	323.785	315.749	308.982
116.5	347.282	341.877	335.345	327.262	321.059
117.0	359.265	353.391	347.000	339.669	333.513
117.5	368.100	362.367	357.667	351.088	346.154
118.0	379.378	372.846	368.617	362.883	357.385
118.5	392.489	385.346	379.801	373.833	367.489
119.0	405.319	397.659	392.489	386.239	378.720
119.5	418.289	410.770	405.929	398.833	391.314
120.0	431.682	424.351	419.417	412.603	404.614
120.5	444.981	438.120	433.327	427.217	418.806
121.0	458.938	452.171	447.331	441.785	433.891
121.5	472.754	466.081	461.288	456.541	448.647
122.0	487.322	480.273	476.044	471.344	463.449
122.5	501.420	494.371	490.612	485.912	477.453
123.0	515.988	509.409	505.650	501.890	492.961
123.5	531.026	524.447	521.627	517.868	508.939
124.0	546.064	539.955	537.135	533.846	525.387
124.5	561.102	554.993	552.643	549.353	541.365
125.0	576.140	570.031	567.681	564.861	556.872
125.5	591.648	585.538	583.189	580.369	571.910
126.0	606.685	600.576	599.167	595.877	586.948
126.5	621.723	615.614	615.144	612.325	602.926
127.0	637.231	631.122	631.122	628.772	619.844
127.5	652.739	646.160	646.160	644.750	636.761
128.0	667.777	661.198	661.668	660.728	652.739
128.5	682.815	675.766	676.706	676.706	668.247
129.0	697.853	690.334	691.744	692.214	684.225
129.5	712.891	705.372	707.251	708.191	700.672
130.0	727.929	720.410	722.759	724.169	718.060
130.5	742.967	734.978	738.737	739.677	734.508
131.0	758.004	749.546	753.775	754.715	749.546
131.5	772.102	763.644	768.813	768.813	764.114
132.0	786.670	777.742	783.381	783.851	778.212
132.5	800.768	792.310	797.949	798.419	792.310
133.0	814.867	806.878	812.047	812.987	805.938
133.5	828.965	820.976	826.615	827.555	820.506
134.0	843.063	834.604	840.243	841.653	834.604
134.5	855.751	848.232	853.401	854.341	848.232
135.0	868.439	861.390	866.089	867.029	860.450
135.5	880.657	875.018	878.778	879.248	872.668
136.0	892.876	887.706	890.526	891.936	885.357
136.5	905.564	899.925	902.274	904.624	898.515
137.0	917.312	912.143	914.493	916.372	910.733
137.5	929.061	923.421	925.771	927.181	921.542
138.0	940.339	934.700	936.580	937.519	931.880
138.5	951.617	945.508	947.388	947.858	941.749

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	962.426	956.317	958.197	958.197	951.617
139.5	973.234	967.125	968.535	968.065	961.016
140.0	983.573	976.994	978.874	978.404	971.355
140.5	993.442	986.393	988.272	987.802	980.283
141.0	1003.310	996.261	997.671	996.731	989.212
141.5	1012.239	1005.190	1007.070	1005.660	997.201
142.0	1021.638	1014.589	1015.998	1014.119	1005.660
142.5	1030.566	1023.517	1024.927	1023.048	1013.649
143.0	1039.495	1031.976	1033.386	1031.506	1022.108
143.5	1047.954	1040.905	1041.845	1039.965	1030.097
144.0	1055.943	1049.364	1049.834	1047.484	1037.615
144.5	1063.932	1057.353	1057.823	1055.003	1045.134
145.0	1071.451	1065.342	1065.342	1062.052	1052.183
145.5	1079.440	1073.330	1072.861	1070.041	1059.702
146.0	1086.959	1080.849	1080.380	1077.090	1067.221
146.5	1094.478	1088.368	1087.429	1084.609	1074.740
147.0	1101.527	1095.887	1094.008	1092.128	1082.259
147.5	1108.576	1102.936	1101.057	1099.177	1089.308
148.0	1115.625	1109.985	1107.166	1105.756	1096.827
148.5	1122.674	1117.034	1113.275	1112.335	1104.346
149.0	1129.253	1124.083	1119.384	1118.914	1111.865
149.5	1135.832	1130.663	1125.023	1125.493	1118.914
150.0	1142.411	1137.242	1131.132	1131.602	1125.493
150.5	1148.990	1143.821	1136.772	1137.242	1132.072
151.0	1155.099	1149.930	1142.411	1142.881	1138.181
151.5	1161.678	1156.039	1148.520	1148.520	1143.821
152.0	1167.787	1162.148	1154.159	1153.689	1149.460
152.5	1173.896	1167.787	1159.798	1159.329	1154.629
153.0	1180.006	1173.427	1165.438	1164.968	1159.329
153.5	1185.645	1179.066	1171.077	1170.607	1163.558
154.0	1191.284	1184.705	1177.186	1176.246	1168.257
154.5	1197.393	1189.874	1182.825	1181.415	1172.957
155.0	1203.032	1195.044	1188.464	1187.055	1178.126
155.5	1208.202	1199.743	1194.104	1192.694	1183.295
156.0	1213.371	1204.912	1200.213	1197.863	1188.464
156.5	1218.540	1210.081	1205.852	1203.502	1193.634
157.0	1223.710	1215.251	1211.491	1209.142	1198.803
157.5	1228.409	1219.950	1216.661	1214.311	1203.972
158.0	1233.108	1224.649	1221.830	1219.480	1209.142
158.5	1238.278	1229.819	1226.999	1224.649	1214.781
159.0	1242.507	1234.518	1231.698	1229.819	1219.950
159.5	1247.206	1239.217	1236.398	1234.988	1225.119
160.0	1251.436	1243.447	1241.097	1239.687	1230.289
160.5	1255.665	1247.676	1245.327	1244.387	1235.458
161.0	1259.895	1251.906	1249.556	1249.086	1240.627
161.5	1264.124	1256.605	1253.315	1253.785	1245.796
162.0	1268.823	1260.834	1257.075	1258.485	1250.496
162.5	1273.053	1265.064	1260.834	1262.714	1254.725
163.0	1277.282	1269.293	1264.594	1266.944	1258.955
163.5	1281.512	1273.053	1268.353	1271.173	1262.714
164.0	1285.741	1276.812	1271.643	1274.932	1266.474
164.5	1289.030	1280.572	1274.932	1278.692	1270.233
165.0	1292.790	1284.331	1278.222	1282.451	1273.523
165.5	1296.549	1287.621	1281.512	1285.741	1276.812
166.0	1300.309	1290.910	1284.801	1289.030	1279.632
166.5	1304.068	1294.200	1288.091	1291.850	1282.921

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1307.358	1297.019	1290.910	1294.670	1285.741
167.5	1310.647	1299.839	1294.200	1297.489	1289.030
168.0	1313.937	1302.659	1297.019	1300.309	1291.850
168.5	1317.227	1305.478	1299.839	1303.128	1295.140
169.0	1320.046	1307.828	1302.659	1305.478	1297.959
169.5	1322.396	1310.178	1305.008	1307.828	1300.779
170.0	1324.745	1312.527	1307.358	1310.178	1304.068
170.5	1327.095	1314.877	1309.238	1312.527	1306.418
171.0	1329.445	1316.757	1311.117	1314.877	1308.768
171.5	1331.325	1318.636	1312.997	1317.227	1311.117
172.0	1333.204	1320.516	1314.407	1319.106	1312.997
172.5	1335.084	1322.396	1315.817	1320.516	1314.407
173.0	1336.964	1324.276	1317.227	1322.396	1315.347
173.5	1338.374	1325.685	1318.636	1323.336	1316.287
174.0	1339.783	1327.095	1320.046	1324.276	1316.757
174.5	1340.723	1328.035	1320.986	1325.215	1317.227
175.0	1341.663	1329.445	1321.926	1325.685	1317.227
175.5	1342.603	1330.385	1323.336	1326.155	1317.696
176.0	1343.543	1331.325	1324.276	1326.155	1317.696
176.5	1344.013	1332.264	1324.745	1326.625	1317.696
177.0	1344.483	1333.204	1325.685	1326.625	1317.227
177.5	1345.423	1334.144	1326.625	1326.625	1317.227
178.0	1345.893	1334.144	1327.095	1326.625	1317.696
178.5	1345.893	1334.614	1327.565	1326.625	1317.696
179.0	1346.362	1335.084	1327.565	1326.625	1317.696
179.5	1346.832	1335.084	1328.035	1326.625	1317.696
180.0	1330.385	1330.385	1330.385	1330.385	1330.385

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	488.43	N.A.	7.10
0-30	1021.14	N.A.	14.90
0-40	1640.48	N.A.	24.00
0-60	2787.54	N.A.	40.70
0-80	3413.65	N.A.	49.90
0-90	3479.81	N.A.	50.80
10-90	3352.32	N.A.	49.00
20-40	1152.05	N.A.	16.80
20-50	1766.86	N.A.	25.80
40-70	1545.7	N.A.	22.60
60-80	626.12	N.A.	9.10
70-80	227.47	N.A.	3.30
80-90	66.16	N.A.	1.00
90-110	192.53	N.A.	2.80
90-120	494.24	N.A.	7.20
90-130	1001.25	N.A.	14.60
90-150	2328.83	N.A.	34.00
90-180	3365.78	N.A.	49.20
110-180	3173.25	N.A.	46.40
0-180	6845.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.49
10-20	360.94
20-30	532.71
30-40	619.34
40-50	614.82
50-60	532.25
60-70	398.64
70-80	227.47
80-90	66.16
90-100	41.53
100-110	151.00
110-120	301.71
120-130	507.01
130-140	662.96
140-150	664.62
150-160	549.01
160-170	361.77
170-180	126.16

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-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-L8-935D-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	15.6	16.5	16.6	17.5	18.7	15.5	16.4	16.5	17.4	18.6
	3H	17.4	18.2	18.4	19.2	20.4	17.3	18.1	18.3	19.1	20.3
	4H	18.0	18.8	19.0	19.7	21.0	17.9	18.7	18.9	19.7	20.9
	6H	18.4	19.1	19.4	20.1	21.4	18.4	19.1	19.4	20.1	21.4
	8H	18.6	19.2	19.6	20.2	21.5	18.5	19.2	19.5	20.2	21.5
	12H	18.7	19.3	19.7	20.3	21.6	18.6	19.3	19.6	20.3	21.6

UGR Viewed Endwise

4H	2H	16.2	16.9	17.1	17.9	19.2	16.1	16.8	17.1	17.8	19.1
	3H	18.1	18.8	19.1	19.8	21.1	18.1	18.7	19.1	19.7	21.0
	4H	18.9	19.4	19.9	20.4	21.8	18.8	19.4	19.8	20.4	21.7
	6H	19.4	19.9	20.4	20.9	22.3	19.4	19.9	20.4	20.9	22.2
	8H	19.6	20.1	20.6	21.1	22.4	19.6	20.1	20.6	21.1	22.4
	12H	19.7	20.1	20.7	21.2	22.5	19.7	20.2	20.8	21.2	22.5

8H	4H	19.1	19.6	20.1	20.6	21.9	19.1	19.5	20.1	20.5	21.9
	6H	19.8	20.2	20.8	21.2	22.6	19.8	20.2	20.8	21.2	22.6
	8H	20.1	20.4	21.1	21.4	22.8	20.1	20.4	21.1	21.5	22.8
	12H	20.3	20.6	21.3	21.6	23.0	20.3	20.6	21.3	21.6	23.0

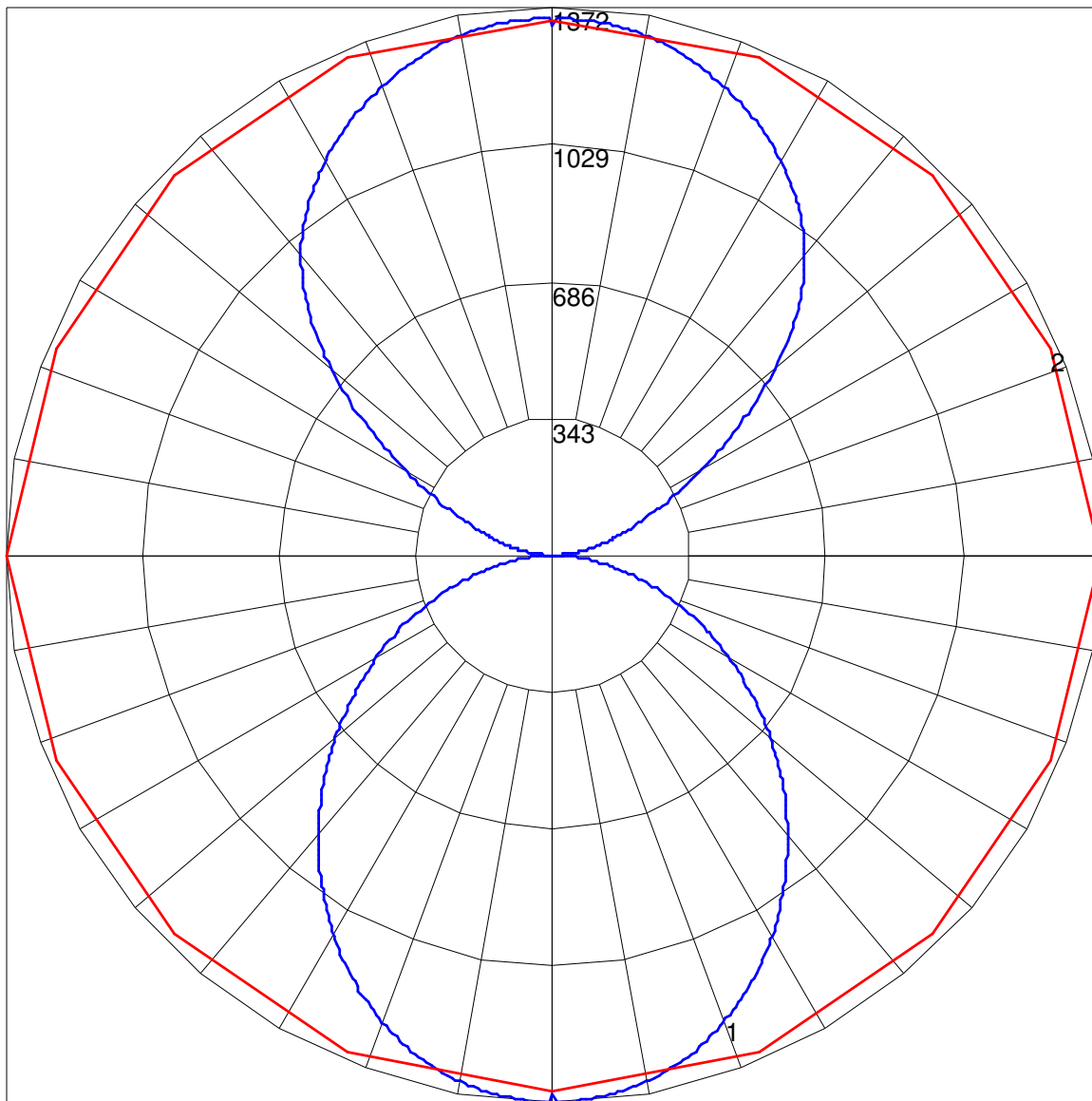
12H	4H	19.1	19.5	20.1	20.6	21.9	19.1	19.5	20.1	20.5	21.9
	6H	19.9	20.2	20.9	21.2	22.6	19.8	20.2	20.9	21.2	22.6
	8H	20.1	20.4	21.2	21.5	22.9	20.2	20.5	21.2	21.5	22.9

Maximum UGR = 23.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L12-935U-L8-935D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1371.881 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.)