

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-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] MX4UDC-4-00-L12-940U-L8-940D-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	7093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	9651	9409	9302
55	8871	8656	8565
65	8182	7985	7898
75	6939	6935	6931
85	5419	5637	5800

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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	1400.322	1400.322	1400.322	1400.322	1400.322
0.5	1421.467	1401.496	1394.448	1397.385	1392.686
1.0	1421.467	1400.909	1394.448	1397.385	1392.686
1.5	1420.880	1400.322	1393.860	1397.385	1392.098
2.0	1420.293	1399.734	1393.273	1396.797	1392.098
2.5	1419.705	1399.147	1392.098	1396.210	1391.511
3.0	1418.530	1397.972	1391.511	1395.623	1390.336
3.5	1417.356	1396.797	1390.336	1394.448	1389.161
4.0	1416.181	1395.623	1389.161	1393.273	1387.987
4.5	1415.006	1393.860	1387.987	1392.098	1386.224
5.0	1413.831	1392.686	1386.224	1390.336	1384.462
5.5	1412.069	1390.923	1384.462	1388.574	1382.700
6.0	1410.307	1388.574	1382.700	1386.812	1380.351
6.5	1407.958	1386.812	1380.351	1384.462	1378.588
7.0	1406.195	1384.462	1378.588	1382.113	1376.239
7.5	1404.433	1382.113	1376.239	1379.763	1374.477
8.0	1401.496	1379.763	1373.302	1377.414	1372.127
8.5	1399.147	1376.826	1370.365	1374.477	1369.190
9.0	1396.210	1374.477	1368.016	1371.540	1366.253
9.5	1393.273	1371.540	1364.491	1368.016	1363.316
10.0	1390.336	1368.603	1361.554	1365.079	1359.792
10.5	1386.812	1365.079	1358.030	1361.554	1356.855
11.0	1383.875	1361.554	1354.506	1358.030	1352.744
11.5	1379.763	1358.030	1350.981	1354.506	1349.219
12.0	1376.239	1354.506	1347.457	1350.394	1345.108
12.5	1372.715	1350.394	1343.345	1346.282	1340.996
13.0	1368.603	1346.870	1339.234	1342.171	1336.884
13.5	1364.491	1342.171	1335.122	1337.472	1332.773
14.0	1360.380	1338.059	1330.423	1333.360	1328.661
14.5	1356.268	1333.947	1325.724	1328.661	1323.962
15.0	1352.156	1329.248	1321.025	1323.962	1319.263
15.5	1346.870	1325.137	1316.326	1318.675	1313.976
16.0	1340.996	1320.437	1311.039	1313.976	1309.277
16.5	1335.122	1315.151	1305.753	1308.690	1303.991
17.0	1329.836	1309.865	1300.466	1303.403	1298.704
17.5	1323.962	1303.991	1294.593	1297.530	1292.830
18.0	1318.088	1298.117	1288.719	1291.656	1286.957
18.5	1312.214	1292.243	1282.845	1285.194	1281.083
19.0	1306.340	1286.369	1277.559	1279.321	1274.034
19.5	1299.879	1280.495	1271.685	1272.272	1266.986
20.0	1294.005	1274.034	1266.398	1265.811	1259.937
20.5	1287.544	1268.160	1260.524	1258.762	1252.888
21.0	1281.083	1261.699	1254.063	1251.714	1245.252
21.5	1274.034	1255.238	1247.015	1244.665	1237.616
22.0	1267.573	1248.189	1239.379	1237.029	1230.568
22.5	1260.524	1241.141	1232.330	1229.393	1222.932
23.0	1253.476	1234.092	1225.281	1221.170	1215.296
23.5	1246.427	1227.044	1217.645	1213.534	1208.247
24.0	1238.791	1219.995	1210.597	1205.898	1200.611
24.5	1231.155	1212.359	1202.961	1198.262	1192.975
25.0	1224.107	1204.723	1195.325	1190.626	1185.339
25.5	1216.471	1197.087	1187.101	1182.990	1177.116
26.0	1208.247	1188.864	1179.466	1175.354	1169.480
26.5	1200.611	1181.228	1171.242	1167.718	1161.844

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27.0	1192.388	1173.004	1163.019	1160.082	1153.621
27.5	1184.165	1164.781	1155.383	1152.446	1145.985
28.0	1175.941	1155.970	1146.572	1144.223	1137.761
28.5	1167.130	1147.159	1138.349	1136.587	1129.538
29.0	1158.320	1138.936	1130.125	1128.363	1121.315
29.5	1150.096	1130.125	1121.902	1119.552	1113.679
30.0	1141.286	1121.315	1113.679	1111.329	1105.455
30.5	1132.475	1112.504	1104.868	1103.106	1097.232
31.0	1123.077	1104.280	1096.057	1094.295	1089.008
31.5	1114.266	1095.470	1087.246	1085.484	1080.198
32.0	1104.868	1086.072	1078.436	1076.086	1071.387
32.5	1095.470	1077.261	1069.625	1067.275	1061.989
33.0	1086.072	1068.450	1060.814	1058.465	1052.591
33.5	1077.261	1059.052	1051.416	1049.066	1043.780
34.0	1067.275	1049.654	1042.605	1039.668	1034.382
34.5	1057.877	1040.256	1032.620	1030.270	1024.396
35.0	1048.479	1031.445	1023.222	1020.872	1014.411
35.5	1038.494	1021.459	1013.823	1011.474	1004.425
36.0	1028.508	1012.061	1004.425	1001.488	995.027
36.5	1019.110	1002.663	995.027	992.090	985.629
37.0	1009.124	992.678	985.042	982.105	975.644
37.5	999.139	982.692	975.644	972.119	966.245
38.0	988.566	972.707	965.658	962.134	956.260
38.5	978.580	962.721	955.673	952.736	946.274
39.0	969.182	952.736	945.687	942.750	936.876
39.5	958.609	942.750	936.289	932.765	926.303
40.0	948.624	932.177	926.303	922.779	916.905
40.5	938.051	922.192	916.318	912.794	906.920
41.0	928.065	911.619	906.332	902.221	896.347
41.5	917.493	901.633	895.759	892.235	885.774
42.0	907.507	891.060	885.774	882.250	875.788
42.5	897.522	881.075	875.788	871.677	865.803
43.0	886.949	871.089	865.803	861.691	855.230
43.5	876.963	860.516	855.230	851.706	845.244
44.0	866.390	849.944	844.657	841.133	835.259
44.5	855.817	839.371	834.084	830.560	824.686
45.0	845.244	829.385	824.099	819.987	814.701
45.5	835.259	818.812	813.526	810.001	804.715
46.0	824.686	808.239	802.953	799.429	794.729
46.5	814.113	797.666	792.967	789.443	784.744
47.0	803.540	787.094	782.394	778.870	774.171
47.5	792.380	776.521	771.822	768.297	764.186
48.0	781.807	765.948	761.249	758.312	753.613
48.5	771.234	755.375	751.263	747.739	743.040
49.0	760.074	744.802	740.690	737.166	733.054
49.5	749.501	734.229	730.117	727.180	723.069
50.0	738.341	723.656	719.544	716.608	712.496
50.5	727.180	713.083	708.972	706.035	702.510
51.0	716.020	702.510	698.399	695.462	691.937
51.5	705.447	691.937	687.826	685.476	681.365
52.0	694.874	681.365	677.253	674.903	671.379
52.5	683.714	670.792	666.680	664.918	660.806
53.0	673.141	660.219	656.107	654.345	650.233
53.5	661.981	649.646	645.534	643.772	639.660
54.0	651.408	639.073	635.549	633.786	629.087
54.5	640.835	629.087	624.976	623.214	618.515

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55.0	630.262	619.102	614.990	613.228	608.529
55.5	620.277	608.529	604.417	602.655	598.544
56.0	609.116	597.956	593.844	592.670	587.971
56.5	598.544	587.971	583.565	582.273	577.633
57.0	588.558	577.398	573.169	571.759	567.353
57.5	578.220	567.177	562.831	561.538	556.957
58.0	567.882	557.074	552.434	551.259	546.678
58.5	557.485	546.912	542.213	541.156	536.810
59.0	547.265	536.692	531.934	530.936	526.765
59.5	537.338	526.354	521.479	520.774	516.839
60.0	527.176	516.075	511.141	510.554	506.735
60.5	517.132	506.031	501.155	500.274	496.515
61.0	507.264	495.986	491.229	490.230	486.530
61.5	496.691	486.060	481.361	480.245	476.662
62.0	486.295	475.839	471.140	470.318	466.559
62.5	475.663	466.382	461.507	460.861	456.984
63.0	465.442	458.041	454.106	453.812	450.640
63.5	455.104	448.937	445.824	445.178	441.888
64.0	448.878	440.068	437.248	435.956	432.197
64.5	439.186	430.611	427.556	426.382	422.857
65.0	428.320	420.508	417.982	416.866	413.459
65.5	417.218	410.287	407.996	407.468	404.002
66.0	406.528	400.302	398.246	398.011	394.310
66.5	395.955	390.081	388.319	388.319	385.030
67.0	385.500	379.919	378.510	378.686	375.690
67.5	375.220	369.934	368.642	368.994	366.057
68.0	364.824	359.948	358.774	359.244	356.189
68.5	354.368	349.787	348.847	349.493	346.497
69.0	343.560	339.566	338.861	339.214	336.453
69.5	333.046	329.522	328.700	329.111	326.585
70.0	322.650	319.360	318.773	318.949	316.717
70.5	312.429	309.140	308.729	308.905	306.790
71.0	301.974	298.978	298.861	299.096	296.805
71.5	291.518	288.816	289.051	289.227	287.230
72.0	281.357	278.596	279.066	279.301	277.597
72.5	271.195	268.552	269.315	269.550	268.140
73.0	261.151	258.742	259.800	260.093	258.860
73.5	251.400	249.050	250.284	250.813	249.462
74.0	241.767	239.359	240.886	241.297	240.416
74.5	232.134	229.843	231.546	231.958	231.311
75.0	222.442	220.386	222.325	222.736	222.207
75.5	212.868	210.929	213.161	213.690	213.103
76.0	203.176	201.825	204.116	204.703	204.233
76.5	194.013	192.838	195.129	195.775	195.364
77.0	185.084	183.792	186.318	186.905	186.259
77.5	175.863	174.981	177.507	177.977	177.331
78.0	166.876	166.171	168.696	169.401	168.755
78.5	157.947	157.595	160.003	160.825	160.297
79.0	149.372	149.019	151.486	152.485	152.074
79.5	140.796	140.620	143.087	144.144	143.791
80.0	132.337	132.396	134.687	136.155	135.686
80.5	123.820	124.349	126.699	128.108	127.756
81.0	115.656	116.478	118.769	120.237	120.002
81.5	107.785	108.666	111.015	112.484	112.308
82.0	100.443	101.030	103.438	104.965	104.789
82.5	93.100	93.629	95.978	97.506	97.388

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83.0	85.758	86.580	88.636	90.222	90.340
83.5	78.533	79.532	81.529	83.056	83.408
84.0	71.778	72.601	74.480	75.949	76.477
84.5	64.906	65.787	67.549	69.018	69.546
85.0	58.503	59.208	60.853	62.145	62.615
85.5	52.277	52.630	54.039	55.390	55.860
86.0	46.168	46.286	47.519	48.753	49.340
86.5	40.118	40.118	41.234	42.350	42.879
87.0	34.010	34.010	34.832	36.242	36.653
87.5	27.959	28.018	28.782	30.191	30.720
88.0	22.203	22.144	22.908	24.435	25.023
88.5	16.682	16.329	17.328	18.679	19.501
89.0	10.808	10.632	11.983	13.275	14.156
89.5	4.993	5.933	7.166	8.165	8.458
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.603	1.899	1.753	1.704	1.850
91.0	7.937	4.188	3.408	3.360	3.311
91.5	12.757	8.521	5.064	5.015	4.967
92.0	17.627	14.169	7.304	6.525	6.525
92.5	22.690	20.012	11.297	8.180	8.034
93.0	27.949	25.612	15.971	10.858	9.787
93.5	33.257	30.968	20.986	14.656	12.757
94.0	38.467	36.227	26.537	19.185	16.799
94.5	43.823	41.486	32.331	23.859	21.181
95.0	49.082	46.890	38.028	28.631	25.515
95.5	54.340	51.954	43.579	33.549	30.092
96.0	59.356	57.116	49.033	38.661	34.766
96.5	64.420	62.277	54.486	43.872	39.587
97.0	69.337	67.341	59.891	49.082	44.699
97.5	74.401	72.454	65.345	54.389	49.812
98.0	79.417	77.469	70.652	59.648	54.973
98.5	84.432	82.533	75.765	65.004	60.135
99.0	89.545	87.743	80.975	70.117	65.345
99.5	94.706	92.904	86.234	75.229	70.457
100.0	99.770	98.114	91.492	80.488	75.473
100.5	105.029	103.324	96.751	85.941	80.537
101.0	110.433	108.534	102.107	91.444	86.039
101.5	115.936	113.842	107.561	96.946	91.736
102.0	121.292	119.344	113.014	102.448	97.384
102.5	126.891	124.798	118.662	107.950	102.984
103.0	132.637	130.446	124.262	113.404	108.681
103.5	138.383	136.192	130.202	119.247	114.329
104.0	144.274	141.986	136.240	125.285	120.221
104.5	150.361	148.024	142.278	131.468	126.112
105.0	156.594	154.208	148.267	137.555	132.101
105.5	162.972	160.489	154.451	143.690	138.042
106.0	169.448	166.819	160.732	149.923	143.982
106.5	175.973	173.344	167.306	156.204	149.971
107.0	182.936	180.160	174.317	162.875	156.496
107.5	190.142	187.172	181.426	169.935	163.556
108.0	197.300	194.379	188.682	177.580	170.812
108.5	204.847	201.731	195.937	185.224	178.310
109.0	212.589	209.230	203.387	192.966	185.906
109.5	220.526	217.020	211.226	200.660	193.599
110.0	228.999	225.006	219.260	208.548	201.634
110.5	237.666	233.186	227.489	217.020	209.960

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111.0	246.430	241.756	236.010	225.834	218.335
111.5	255.390	250.569	244.677	234.793	226.953
112.0	264.690	259.626	253.296	243.752	235.182
112.5	274.039	268.926	262.012	252.663	243.898
113.0	283.826	278.518	271.215	261.866	253.004
113.5	293.905	288.549	280.953	271.799	262.791
114.0	304.130	298.774	291.276	282.365	273.649
114.5	314.696	309.340	301.793	293.369	285.189
115.0	325.409	320.199	312.700	304.471	296.875
115.5	336.608	331.154	323.899	315.524	308.415
116.0	347.904	342.548	335.488	327.162	320.150
116.5	359.834	354.234	347.466	339.091	332.664
117.0	372.250	366.164	359.542	351.946	345.567
117.5	381.405	375.464	370.595	363.778	358.665
118.0	393.091	386.322	381.940	376.000	370.303
118.5	406.676	399.275	393.529	387.345	380.772
119.0	419.969	412.032	406.676	400.200	392.409
119.5	433.408	425.617	420.602	413.249	405.458
120.0	447.285	439.689	434.576	427.516	419.238
120.5	461.065	453.956	448.989	442.659	433.943
121.0	475.526	468.515	463.499	457.754	449.573
121.5	489.842	482.927	477.961	473.043	464.863
122.0	504.936	497.632	493.250	488.381	480.201
122.5	519.544	512.240	508.345	503.475	494.711
123.0	534.638	527.821	523.926	520.031	510.779
123.5	550.220	543.403	540.481	536.586	527.335
124.0	565.801	559.471	556.550	553.141	544.377
124.5	581.383	575.053	572.618	569.210	560.932
125.0	596.964	590.634	588.200	585.278	577.000
125.5	613.032	606.702	604.268	601.346	592.582
126.0	628.614	622.284	620.823	617.415	608.163
126.5	644.195	637.865	637.378	634.457	624.719
127.0	660.264	653.934	653.934	651.499	642.248
127.5	676.332	669.515	669.515	668.054	659.777
128.0	691.914	685.097	685.584	684.610	676.332
128.5	707.495	700.191	701.165	701.165	692.400
129.0	723.076	715.286	716.746	717.233	708.956
129.5	738.658	730.867	732.815	733.789	725.998
130.0	754.239	746.449	748.883	750.344	744.014
130.5	769.821	761.543	765.438	766.412	761.056
131.0	785.402	776.638	781.020	781.994	776.638
131.5	800.010	791.245	796.601	796.601	791.732
132.0	815.104	805.853	811.696	812.183	806.340
132.5	829.712	820.947	826.790	827.277	820.947
133.0	844.320	836.042	841.398	842.372	835.068
133.5	858.927	850.649	856.493	857.466	850.163
134.0	873.535	864.770	870.613	872.074	864.770
134.5	886.682	878.891	884.247	885.221	878.891
135.0	899.828	892.525	897.394	898.368	891.551
135.5	912.488	906.645	910.541	911.028	904.211
136.0	925.148	919.792	922.714	924.174	917.358
136.5	938.295	932.452	934.887	937.321	930.991
137.0	950.468	945.112	947.547	949.494	943.651
137.5	962.641	956.798	959.233	960.693	954.850
138.0	974.327	968.484	970.432	971.406	965.563
138.5	986.013	979.683	981.631	982.118	975.788

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	997.212	990.882	992.830	992.830	986.013
139.5	1008.412	1002.082	1003.542	1003.055	995.752
140.0	1019.124	1012.307	1014.255	1013.768	1006.464
140.5	1029.349	1022.045	1023.993	1023.506	1015.715
141.0	1039.574	1032.271	1033.731	1032.758	1024.967
141.5	1048.826	1041.522	1043.470	1042.009	1033.245
142.0	1058.564	1051.261	1052.721	1050.774	1042.009
142.5	1067.816	1060.512	1061.973	1060.025	1050.287
143.0	1077.067	1069.277	1070.737	1068.790	1059.051
143.5	1085.832	1078.528	1079.502	1077.554	1067.329
144.0	1094.110	1087.293	1087.780	1085.345	1075.120
144.5	1102.387	1095.570	1096.057	1093.136	1082.910
145.0	1110.178	1103.848	1103.848	1100.440	1090.214
145.5	1118.456	1112.126	1111.639	1108.717	1098.005
146.0	1126.246	1119.916	1119.429	1116.021	1105.796
146.5	1134.037	1127.707	1126.733	1123.812	1113.586
147.0	1141.341	1135.498	1133.550	1131.602	1121.377
147.5	1148.645	1142.802	1140.854	1138.906	1128.681
148.0	1155.948	1150.105	1147.184	1145.723	1136.472
148.5	1163.252	1157.409	1153.514	1152.540	1144.262
149.0	1170.069	1164.713	1159.844	1159.357	1152.053
149.5	1176.886	1171.530	1165.687	1166.174	1159.357
150.0	1183.703	1178.347	1172.017	1172.504	1166.174
150.5	1190.520	1185.164	1177.860	1178.347	1172.991
151.0	1196.850	1191.494	1183.703	1184.190	1179.321
151.5	1203.667	1197.824	1190.033	1190.033	1185.164
152.0	1209.997	1204.154	1195.876	1195.389	1191.007
152.5	1216.327	1209.997	1201.719	1201.232	1196.363
153.0	1222.656	1215.840	1207.562	1207.075	1201.232
153.5	1228.500	1221.683	1213.405	1212.918	1205.614
154.0	1234.343	1227.526	1219.735	1218.761	1210.483
154.5	1240.673	1232.882	1225.578	1224.117	1215.353
155.0	1246.516	1238.238	1231.421	1229.960	1220.709
155.5	1251.872	1243.107	1237.264	1235.803	1226.065
156.0	1257.228	1248.463	1243.594	1241.159	1231.421
156.5	1262.584	1253.819	1249.437	1247.002	1236.777
157.0	1267.940	1259.175	1255.280	1252.846	1242.133
157.5	1272.809	1264.045	1260.636	1258.202	1247.489
158.0	1277.678	1268.914	1265.992	1263.558	1252.846
158.5	1283.035	1274.270	1271.348	1268.914	1258.689
159.0	1287.417	1279.139	1276.218	1274.270	1264.045
159.5	1292.286	1284.008	1281.087	1279.626	1269.401
160.0	1296.668	1288.391	1285.956	1284.495	1274.757
160.5	1301.051	1292.773	1290.338	1289.365	1280.113
161.0	1305.433	1297.155	1294.721	1294.234	1285.469
161.5	1309.815	1302.024	1298.616	1299.103	1290.825
162.0	1314.684	1306.407	1302.511	1303.972	1295.694
162.5	1319.067	1310.789	1306.407	1308.354	1300.077
163.0	1323.449	1315.171	1310.302	1312.737	1304.459
163.5	1327.831	1319.067	1314.197	1317.119	1308.354
164.0	1332.214	1322.962	1317.606	1321.014	1312.250
164.5	1335.622	1326.857	1321.014	1324.910	1316.145
165.0	1339.517	1330.753	1324.423	1328.805	1319.554
165.5	1343.413	1334.161	1327.831	1332.214	1322.962
166.0	1347.308	1337.570	1331.240	1335.622	1325.884
166.5	1351.203	1340.978	1334.648	1338.543	1329.292

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1354.612	1343.900	1337.570	1341.465	1332.214
167.5	1358.020	1346.821	1340.978	1344.387	1335.622
168.0	1361.429	1349.743	1343.900	1347.308	1338.543
168.5	1364.837	1352.664	1346.821	1350.230	1341.952
169.0	1367.759	1355.099	1349.743	1352.664	1344.873
169.5	1370.193	1357.533	1352.177	1355.099	1347.795
170.0	1372.628	1359.968	1354.612	1357.533	1351.203
170.5	1375.062	1362.403	1356.560	1359.968	1353.638
171.0	1377.497	1364.350	1358.507	1362.403	1356.073
171.5	1379.445	1366.298	1360.455	1364.837	1358.507
172.0	1381.392	1368.246	1361.916	1366.785	1360.455
172.5	1383.340	1370.193	1363.376	1368.246	1361.916
173.0	1385.288	1372.141	1364.837	1370.193	1362.889
173.5	1386.749	1373.602	1366.298	1371.167	1363.863
174.0	1388.209	1375.062	1367.759	1372.141	1364.350
174.5	1389.183	1376.036	1368.733	1373.115	1364.837
175.0	1390.157	1377.497	1369.706	1373.602	1364.837
175.5	1391.131	1378.471	1371.167	1374.089	1365.324
176.0	1392.105	1379.445	1372.141	1374.089	1365.324
176.5	1392.592	1380.419	1372.628	1374.576	1365.324
177.0	1393.079	1381.392	1373.602	1374.576	1364.837
177.5	1394.052	1382.366	1374.576	1374.576	1364.837
178.0	1394.539	1382.366	1375.062	1374.576	1365.324
178.5	1394.539	1382.853	1375.549	1374.576	1365.324
179.0	1395.026	1383.340	1375.549	1374.576	1365.324
179.5	1395.513	1383.340	1376.036	1374.576	1365.324
180.0	1378.471	1378.471	1378.471	1378.471	1378.471

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	506.08	N.A.	7.10
0-30	1058.05	N.A.	14.90
0-40	1699.77	N.A.	24.00
0-60	2888.29	N.A.	40.70
0-80	3537.04	N.A.	49.90
0-90	3605.59	N.A.	50.80
10-90	3473.49	N.A.	49.00
20-40	1193.69	N.A.	16.80
20-50	1830.73	N.A.	25.80
40-70	1601.57	N.A.	22.60
60-80	648.75	N.A.	9.10
70-80	235.70	N.A.	3.30
80-90	68.55	N.A.	1.00
90-110	199.49	N.A.	2.80
90-120	512.11	N.A.	7.20
90-130	1037.44	N.A.	14.60
90-150	2413.01	N.A.	34.00
90-180	3487.44	N.A.	49.20
110-180	3287.95	N.A.	46.40
0-180	7093.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.10
10-20	373.99
20-30	551.96
30-40	641.72
40-50	637.04
50-60	551.48
60-70	413.05
70-80	235.70
80-90	68.55
90-100	43.03
100-110	156.46
110-120	312.62
120-130	525.34
130-140	686.92
140-150	688.64
150-160	568.85
160-170	374.85
170-180	130.72

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-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	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 : MX4UDC-4-00-L12-940U-L8-940D-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	15.7	16.6	16.7	17.6	18.8	15.6	16.5	16.6	17.5	18.7
	3H	17.5	18.3	18.5	19.3	20.5	17.4	18.2	18.4	19.2	20.4
	4H	18.1	18.9	19.1	19.8	21.1	18.0	18.8	19.0	19.8	21.0
	6H	18.5	19.2	19.5	20.2	21.5	18.5	19.2	19.5	20.2	21.5
	8H	18.7	19.3	19.7	20.3	21.6	18.6	19.3	19.6	20.3	21.6
	12H	18.8	19.4	19.8	20.4	21.7	18.7	19.4	19.7	20.4	21.7

UGR Viewed Endwise

4H	2H	16.3	17.0	17.2	18.0	19.3	16.2	16.9	17.2	17.9	19.2
	3H	18.2	18.9	19.2	19.9	21.2	18.2	18.8	19.2	19.8	21.1
	4H	19.0	19.5	20.0	20.5	21.9	18.9	19.5	19.9	20.5	21.8
	6H	19.5	20.0	20.5	21.0	22.4	19.5	20.0	20.5	21.0	22.3
	8H	19.7	20.2	20.7	21.2	22.5	19.7	20.2	20.7	21.2	22.5
	12H	19.8	20.2	20.8	21.3	22.6	19.8	20.3	20.9	21.3	22.6

8H	4H	19.2	19.7	20.2	20.7	22.0	19.2	19.6	20.2	20.6	22.0
	6H	19.9	20.3	20.9	21.3	22.7	19.9	20.3	20.9	21.3	22.7
	8H	20.2	20.5	21.2	21.5	22.9	20.2	20.5	21.2	21.6	22.9
	12H	20.4	20.7	21.4	21.7	23.1	20.4	20.7	21.4	21.7	23.1

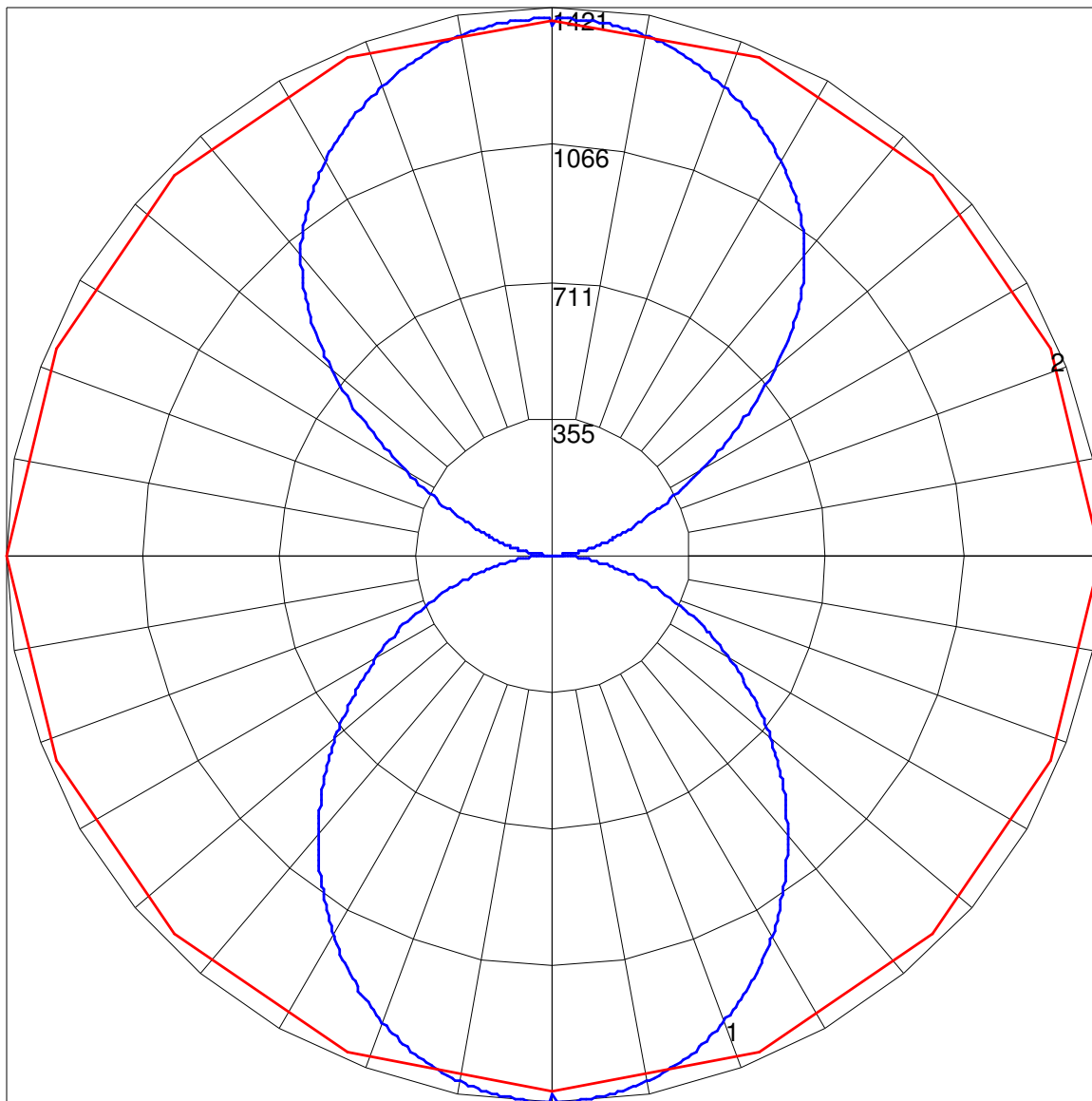
12H	4H	19.2	19.6	20.2	20.7	22.0	19.2	19.6	20.2	20.6	22.0
	6H	20.0	20.3	21.0	21.3	22.7	19.9	20.3	21.0	21.3	22.7
	8H	20.2	20.5	21.3	21.6	23.0	20.3	20.6	21.3	21.6	23.0

Maximum UGR = 23.1

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-940U-L8-940D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1421.467 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.)