

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-L12-935D-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] MX4UDC-4-00-L8-935U-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)

[BALLAST] OTI50/120-277/1A4 DIM-1 L G2 #57452

[OTHER] 24.8 C, 119.951 V, 0.4435 A, 52.6728 W, 0.990119 PF, 60.0072 H

[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	6908
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	67.7
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	9370	9136	9031
55	8613	8405	8316
65	7944	7753	7669
75	6737	6733	6730
85	5262	5473	5631

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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	1359.601	1359.601	1359.601	1359.601	1359.601
0.5	1380.132	1360.741	1353.898	1356.749	1352.187
1.0	1380.132	1360.171	1353.898	1356.749	1352.187
1.5	1379.561	1359.601	1353.327	1356.749	1351.616
2.0	1378.991	1359.030	1352.757	1356.179	1351.616
2.5	1378.421	1358.460	1351.616	1355.609	1351.046
3.0	1377.280	1357.319	1351.046	1355.038	1349.906
3.5	1376.139	1356.179	1349.906	1353.898	1348.765
4.0	1374.999	1355.038	1348.765	1352.757	1347.624
4.5	1373.858	1353.327	1347.624	1351.616	1345.913
5.0	1372.718	1352.187	1345.913	1349.906	1344.203
5.5	1371.007	1350.476	1344.203	1348.195	1342.492
6.0	1369.296	1348.195	1342.492	1346.484	1340.210
6.5	1367.015	1346.484	1340.210	1344.203	1338.499
7.0	1365.304	1344.203	1338.499	1341.921	1336.218
7.5	1363.593	1341.921	1336.218	1339.640	1334.507
8.0	1360.741	1339.640	1333.367	1337.359	1332.226
8.5	1358.460	1336.789	1330.515	1334.507	1329.375
9.0	1355.609	1334.507	1328.234	1331.656	1326.523
9.5	1352.757	1331.656	1324.812	1328.234	1323.672
10.0	1349.906	1328.804	1321.961	1325.383	1320.250
10.5	1346.484	1325.383	1318.539	1321.961	1317.398
11.0	1343.632	1321.961	1315.117	1318.539	1313.406
11.5	1339.640	1318.539	1311.695	1315.117	1309.984
12.0	1336.218	1315.117	1308.273	1311.125	1305.992
12.5	1332.796	1311.125	1304.281	1307.133	1302.000
13.0	1328.804	1307.703	1300.289	1303.141	1298.008
13.5	1324.812	1303.141	1296.297	1298.578	1294.016
14.0	1320.820	1299.149	1291.735	1294.586	1290.024
14.5	1316.828	1295.157	1287.172	1290.024	1285.461
15.0	1312.836	1290.594	1282.610	1285.461	1280.899
15.5	1307.703	1286.602	1278.047	1280.329	1275.766
16.0	1302.000	1282.040	1272.915	1275.766	1271.204
16.5	1296.297	1276.907	1267.782	1270.634	1266.071
17.0	1291.164	1271.774	1262.649	1265.501	1260.938
17.5	1285.461	1266.071	1256.946	1259.798	1255.235
18.0	1279.758	1260.368	1251.243	1254.095	1249.532
18.5	1274.055	1254.665	1245.540	1247.821	1243.829
19.0	1268.352	1248.962	1240.407	1242.118	1236.986
19.5	1262.079	1243.259	1234.704	1235.275	1230.142
20.0	1256.376	1236.986	1229.572	1229.001	1223.298
20.5	1250.103	1231.283	1223.869	1222.158	1216.455
21.0	1243.829	1225.009	1217.595	1215.314	1209.041
21.5	1236.986	1218.736	1210.752	1208.471	1201.627
22.0	1230.712	1211.892	1203.338	1201.057	1194.783
22.5	1223.869	1205.049	1196.494	1193.643	1187.369
23.0	1217.025	1198.205	1189.651	1185.658	1179.955
23.5	1210.181	1191.361	1182.237	1178.245	1173.112
24.0	1202.768	1184.518	1175.393	1170.831	1165.698
24.5	1195.354	1177.104	1167.979	1163.417	1158.284
25.0	1188.510	1169.690	1160.565	1156.003	1150.870
25.5	1181.096	1162.276	1152.581	1148.589	1142.886
26.0	1173.112	1154.292	1145.167	1141.175	1135.472
26.5	1165.698	1146.878	1137.183	1133.761	1128.058

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27.0	1157.714	1138.894	1129.199	1126.347	1120.074
27.5	1149.729	1130.909	1121.785	1118.933	1112.660
28.0	1141.745	1122.355	1113.230	1110.949	1104.676
28.5	1133.191	1113.800	1105.246	1103.535	1096.691
29.0	1124.636	1105.816	1097.262	1095.551	1088.707
29.5	1116.652	1097.262	1089.277	1086.996	1081.293
30.0	1108.097	1088.707	1081.293	1079.012	1073.309
30.5	1099.543	1080.153	1072.739	1071.028	1065.325
31.0	1090.418	1072.168	1064.184	1062.473	1057.340
31.5	1081.863	1063.614	1055.630	1053.919	1048.786
32.0	1072.739	1054.489	1047.075	1044.794	1040.231
32.5	1063.614	1045.934	1038.520	1036.239	1031.107
33.0	1054.489	1037.380	1029.966	1027.685	1021.982
33.5	1045.934	1028.255	1020.841	1018.560	1013.427
34.0	1036.239	1019.130	1012.287	1009.435	1004.302
34.5	1027.114	1010.005	1002.591	1000.310	994.607
35.0	1017.990	1001.451	993.467	991.185	984.912
35.5	1008.294	991.756	984.342	982.061	975.217
36.0	998.599	982.631	975.217	972.365	966.092
36.5	989.474	973.506	966.092	963.241	956.967
37.0	979.779	963.811	956.397	953.545	947.272
37.5	970.084	954.116	947.272	943.850	938.147
38.0	959.819	944.421	937.577	934.155	928.452
38.5	950.124	934.725	927.882	925.030	918.757
39.0	940.999	925.030	918.187	915.335	909.632
39.5	930.733	915.335	909.062	905.640	899.367
40.0	921.038	905.070	899.367	895.945	890.242
40.5	910.773	895.375	889.672	886.250	880.547
41.0	901.078	885.109	879.976	875.984	870.281
41.5	890.812	875.414	869.711	866.289	860.016
42.0	881.117	865.149	860.016	856.594	850.321
42.5	871.422	855.453	850.321	846.329	840.626
43.0	861.156	845.758	840.626	836.633	830.360
43.5	851.461	835.493	830.360	826.938	820.665
44.0	841.196	825.227	820.095	816.673	810.970
44.5	830.930	814.962	809.829	806.407	800.704
45.0	820.665	805.267	800.134	796.142	791.009
45.5	810.970	795.001	789.869	786.447	781.314
46.0	800.704	784.736	779.603	776.181	771.619
46.5	790.439	774.471	769.908	766.486	761.924
47.0	780.174	764.205	759.643	756.221	751.658
47.5	769.338	753.940	749.377	745.955	741.963
48.0	759.072	743.674	739.112	736.260	731.698
48.5	748.807	733.409	729.417	725.995	721.432
49.0	737.971	723.143	719.151	715.729	711.737
49.5	727.706	712.878	708.886	706.034	702.042
50.0	716.870	702.612	698.620	695.769	691.777
50.5	706.034	692.347	688.355	685.503	682.082
51.0	695.198	682.082	678.089	675.238	671.816
51.5	684.933	671.816	667.824	665.543	661.551
52.0	674.668	661.551	657.559	655.277	651.856
52.5	663.832	651.285	647.293	645.582	641.590
53.0	653.566	641.020	637.028	635.317	631.325
53.5	642.731	630.754	626.762	625.051	621.059
54.0	632.465	620.489	617.067	615.356	610.794
54.5	622.200	610.794	606.802	605.091	600.528

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55.0	611.934	601.099	597.107	595.396	590.833
55.5	602.239	590.833	586.841	585.130	581.138
56.0	591.403	580.568	576.576	575.435	570.873
56.5	581.138	570.873	566.595	565.341	560.835
57.0	571.443	560.607	556.501	555.132	550.855
57.5	561.406	550.684	546.464	545.209	540.761
58.0	551.368	540.875	536.369	535.229	530.780
58.5	541.274	531.008	526.446	525.420	521.199
59.0	531.351	521.085	516.466	515.496	511.447
59.5	521.712	511.048	506.314	505.630	501.809
60.0	511.846	501.068	496.277	495.707	492.000
60.5	502.094	491.315	486.582	485.726	482.077
61.0	492.513	481.563	476.944	475.974	472.381
61.5	482.248	471.925	467.363	466.279	462.800
62.0	472.153	462.002	457.439	456.641	452.991
62.5	461.831	452.820	448.087	447.459	443.695
63.0	451.908	444.722	440.901	440.616	437.536
63.5	441.870	435.882	432.859	432.232	429.038
64.0	435.825	427.271	424.533	423.278	419.628
64.5	426.415	418.089	415.123	413.982	410.561
65.0	415.864	408.279	405.827	404.744	401.436
65.5	405.086	398.356	396.132	395.619	392.254
66.0	394.706	388.661	386.665	386.437	382.844
66.5	384.441	378.738	377.027	377.027	373.833
67.0	374.289	368.871	367.503	367.674	364.765
67.5	364.309	359.176	357.922	358.264	355.412
68.0	354.215	349.481	348.341	348.797	345.831
68.5	344.063	339.615	338.703	339.330	336.421
69.0	333.570	329.692	329.007	329.350	326.669
69.5	323.361	319.940	319.141	319.540	317.088
70.0	313.267	310.073	309.503	309.674	307.507
70.5	303.344	300.150	299.751	299.922	297.869
71.0	293.192	290.284	290.170	290.398	288.174
71.5	283.041	280.418	280.646	280.817	278.878
72.0	273.175	270.494	270.951	271.179	269.525
72.5	263.309	260.742	261.484	261.712	260.343
73.0	253.556	251.218	252.245	252.530	251.332
73.5	244.089	241.808	243.006	243.519	242.207
74.0	234.736	232.398	233.881	234.280	233.425
74.5	225.384	223.159	224.813	225.212	224.585
75.0	215.973	213.977	215.859	216.259	215.745
75.5	206.678	204.796	206.963	207.476	206.906
76.0	197.268	195.956	198.180	198.750	198.294
76.5	188.371	187.230	189.454	190.082	189.683
77.0	179.702	178.448	180.900	181.470	180.843
77.5	170.748	169.893	172.345	172.802	172.174
78.0	162.023	161.339	163.791	164.475	163.848
78.5	153.354	153.012	155.350	156.149	155.636
79.0	145.028	144.686	147.081	148.050	147.651
79.5	136.701	136.530	138.926	139.952	139.610
80.0	128.489	128.546	130.770	132.196	131.740
80.5	120.220	120.733	123.014	124.383	124.041
81.0	112.293	113.091	115.315	116.741	116.513
81.5	104.651	105.506	107.787	109.213	109.042
82.0	97.522	98.092	100.430	101.913	101.742
82.5	90.393	90.906	93.187	94.670	94.556

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83.0	83.264	84.063	86.059	87.598	87.712
83.5	76.249	77.219	79.158	80.641	80.983
84.0	69.691	70.489	72.314	73.740	74.253
84.5	63.018	63.874	65.585	67.011	67.524
85.0	56.802	57.486	59.083	60.338	60.794
85.5	50.757	51.099	52.468	53.780	54.236
86.0	44.826	44.940	46.137	47.335	47.905
86.5	38.952	38.952	40.035	41.119	41.632
87.0	33.021	33.021	33.819	35.188	35.587
87.5	27.146	27.203	27.945	29.314	29.827
88.0	21.557	21.500	22.242	23.725	24.295
88.5	16.197	15.854	16.824	18.136	18.934
89.0	10.494	10.322	11.634	12.889	13.744
89.5	4.848	5.760	6.958	7.927	8.212
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.520	1.855	1.712	1.665	1.808
91.0	7.754	4.091	3.330	3.282	3.235
91.5	12.463	8.324	4.947	4.900	4.852
92.0	17.220	13.842	7.135	6.374	6.374
92.5	22.167	19.551	11.036	7.991	7.849
93.0	27.304	25.021	15.602	10.608	9.561
93.5	32.489	30.253	20.502	14.318	12.463
94.0	37.579	35.391	25.925	18.742	16.411
94.5	42.812	40.528	31.585	23.309	20.692
95.0	47.949	45.808	37.151	27.970	24.926
95.5	53.086	50.755	42.574	32.775	29.397
96.0	57.986	55.798	47.901	37.769	33.964
96.5	62.933	60.840	53.229	42.859	38.673
97.0	67.737	65.787	58.509	47.949	43.668
97.5	72.684	70.782	63.837	53.134	48.662
98.0	77.584	75.681	69.022	58.271	53.705
98.5	82.484	80.628	74.016	63.504	58.747
99.0	87.478	85.718	79.106	68.498	63.837
99.5	92.520	90.760	84.244	73.493	68.831
100.0	97.468	95.850	89.381	78.631	73.731
100.5	102.605	100.940	94.518	83.958	78.678
101.0	107.885	106.030	99.751	89.333	84.053
101.5	113.260	111.215	105.079	94.709	89.619
102.0	118.493	116.590	110.406	100.084	95.137
102.5	123.963	121.918	115.924	105.459	100.607
103.0	129.576	127.436	121.394	110.787	106.173
103.5	135.189	133.049	127.198	116.495	111.691
104.0	140.945	138.709	133.096	122.393	117.446
104.5	146.891	144.608	138.995	128.435	123.202
105.0	152.980	150.649	144.846	134.381	129.053
105.5	159.211	156.785	150.887	140.374	134.856
106.0	165.538	162.969	157.023	146.463	140.660
106.5	171.912	169.343	163.445	152.599	146.511
107.0	178.714	176.003	170.295	159.116	152.885
107.5	185.754	182.853	177.240	166.014	159.782
108.0	192.747	189.893	184.327	173.482	166.870
108.5	200.120	197.076	191.415	180.950	174.195
109.0	207.684	204.401	198.693	188.513	181.616
109.5	215.437	212.012	206.352	196.029	189.132
110.0	223.714	219.813	214.200	203.735	196.981
110.5	232.181	227.805	222.239	212.012	205.115

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111.0	240.744	236.177	230.564	220.622	213.297
111.5	249.496	244.787	239.031	229.375	221.716
112.0	258.582	253.635	247.451	238.127	229.755
112.5	267.715	262.720	255.965	246.832	238.270
113.0	277.276	272.091	264.956	255.823	247.165
113.5	287.123	281.890	274.470	265.527	256.727
114.0	297.112	291.880	284.554	275.849	267.334
114.5	307.434	302.202	294.829	286.599	278.608
115.0	317.899	312.810	305.484	297.445	290.024
115.5	328.840	323.513	316.425	308.243	301.298
116.0	339.876	334.644	327.746	319.612	312.762
116.5	351.530	346.060	339.448	331.266	324.987
117.0	363.660	357.714	351.245	343.824	337.593
117.5	372.603	366.800	362.043	355.383	350.389
118.0	384.019	377.407	373.126	367.323	361.757
118.5	397.291	390.061	384.448	378.406	371.985
119.0	410.277	402.524	397.291	390.964	383.354
119.5	423.406	415.795	410.896	403.713	396.102
120.0	436.963	429.542	424.548	417.650	409.564
120.5	450.425	443.480	438.628	432.444	423.929
121.0	464.553	457.703	452.803	447.190	439.199
121.5	478.538	471.783	466.931	462.127	454.135
122.0	493.284	486.149	481.868	477.111	469.119
122.5	507.555	500.419	496.614	491.857	483.295
123.0	522.301	515.641	511.836	508.030	498.992
123.5	537.523	530.863	528.009	524.203	515.165
124.0	552.744	546.561	543.706	540.377	531.814
124.5	567.966	561.782	559.404	556.074	547.988
125.0	583.188	577.004	574.626	571.772	563.685
125.5	598.886	592.702	590.324	587.469	578.907
126.0	614.108	607.924	606.497	603.167	594.129
126.5	629.330	623.146	622.670	619.816	610.302
127.0	645.027	638.843	638.843	636.465	627.427
127.5	660.725	654.065	654.065	652.638	644.551
128.0	675.947	669.287	669.763	668.811	660.725
128.5	691.168	684.033	684.985	684.985	676.422
129.0	706.390	698.779	700.206	700.682	692.596
129.5	721.612	714.001	715.904	716.855	709.244
130.0	736.834	729.223	731.602	733.029	726.845
130.5	752.056	743.969	747.775	748.726	743.494
131.0	767.278	758.716	762.997	763.948	758.716
131.5	781.548	772.986	778.219	778.219	773.462
132.0	796.295	787.257	792.965	793.440	787.732
132.5	810.565	802.003	807.711	808.187	802.003
133.0	824.836	816.749	821.981	822.933	815.798
133.5	839.106	831.019	836.728	837.679	830.544
134.0	853.377	844.814	850.523	851.950	844.814
134.5	866.220	858.609	863.842	864.793	858.609
135.0	879.064	871.928	876.685	877.636	870.977
135.5	891.431	885.723	889.529	890.004	883.345
136.0	903.799	898.567	901.421	902.848	896.188
136.5	916.643	910.934	913.313	915.691	909.507
137.0	928.535	923.302	925.681	927.583	921.875
137.5	940.427	934.719	937.097	938.524	932.816
138.0	951.843	946.135	948.038	948.989	943.281
138.5	963.260	957.076	958.978	959.454	953.270

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-L12-935D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	974.200	968.016	969.919	969.919	963.260
139.5	985.141	978.957	980.384	979.908	972.773
140.0	995.606	988.946	990.849	990.374	983.238
140.5	1005.595	998.460	1000.363	999.887	992.276
141.0	1015.585	1008.449	1009.877	1008.925	1001.314
141.5	1024.623	1017.487	1019.390	1017.963	1009.401
142.0	1034.136	1027.001	1028.428	1026.525	1017.963
142.5	1043.174	1036.039	1037.466	1035.563	1026.050
143.0	1052.212	1044.601	1046.029	1044.126	1034.612
143.5	1060.775	1053.639	1054.591	1052.688	1042.699
144.0	1068.861	1062.202	1062.677	1060.299	1050.310
144.5	1076.948	1070.288	1070.764	1067.910	1057.921
145.0	1084.559	1078.375	1078.375	1075.045	1065.056
145.5	1092.646	1086.462	1085.986	1083.132	1072.667
146.0	1100.256	1094.073	1093.597	1090.267	1080.278
146.5	1107.867	1101.684	1100.732	1097.878	1087.889
147.0	1115.003	1109.294	1107.392	1105.489	1095.500
147.5	1122.138	1116.430	1114.527	1112.624	1102.635
148.0	1129.273	1123.565	1120.711	1119.284	1110.246
148.5	1136.408	1130.700	1126.895	1125.943	1117.857
149.0	1143.068	1137.835	1133.079	1132.603	1125.468
149.5	1149.728	1144.495	1138.787	1139.263	1132.603
150.0	1156.387	1151.155	1144.971	1145.446	1139.263
150.5	1163.047	1157.814	1150.679	1151.155	1145.922
151.0	1169.231	1163.998	1156.387	1156.863	1152.106
151.5	1175.890	1170.182	1162.571	1162.571	1157.814
152.0	1182.074	1176.366	1168.279	1167.804	1163.522
152.5	1188.258	1182.074	1173.987	1173.512	1168.755
153.0	1194.442	1187.782	1179.696	1179.220	1173.512
153.5	1200.150	1193.490	1185.404	1184.928	1177.793
154.0	1205.858	1199.199	1191.588	1190.636	1182.550
154.5	1212.042	1204.431	1197.296	1195.869	1187.307
155.0	1217.750	1209.664	1203.004	1201.577	1192.539
155.5	1222.983	1214.421	1208.712	1207.285	1197.772
156.0	1228.215	1219.653	1214.896	1212.518	1203.004
156.5	1233.448	1224.886	1220.604	1218.226	1208.237
157.0	1238.680	1230.118	1226.313	1223.934	1213.469
157.5	1243.437	1234.875	1231.545	1229.167	1218.702
158.0	1248.194	1239.632	1236.778	1234.399	1223.934
158.5	1253.427	1244.864	1242.010	1239.632	1229.642
159.0	1257.708	1249.621	1246.767	1244.864	1234.875
159.5	1262.465	1254.378	1251.524	1250.097	1240.107
160.0	1266.746	1258.659	1256.281	1254.854	1245.340
160.5	1271.027	1262.940	1260.562	1259.611	1250.573
161.0	1275.308	1267.221	1264.843	1264.367	1255.805
161.5	1279.589	1271.978	1268.648	1269.124	1261.038
162.0	1284.346	1276.259	1272.454	1273.881	1265.794
162.5	1288.627	1280.541	1276.259	1278.162	1270.076
163.0	1292.908	1284.822	1280.065	1282.443	1274.357
163.5	1297.190	1288.627	1283.870	1286.724	1278.162
164.0	1301.471	1292.433	1287.200	1290.530	1281.968
164.5	1304.800	1296.238	1290.530	1294.335	1285.773
165.0	1308.606	1300.044	1293.860	1298.141	1289.103
165.5	1312.411	1303.373	1297.190	1301.471	1292.433
166.0	1316.217	1306.703	1300.519	1304.800	1295.287
166.5	1320.022	1310.033	1303.849	1307.655	1298.617

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-L12-935D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1323.352	1312.887	1306.703	1310.509	1301.471
167.5	1326.682	1315.741	1310.033	1313.363	1304.800
168.0	1330.012	1318.595	1312.887	1316.217	1307.655
168.5	1333.341	1321.449	1315.741	1319.071	1310.984
169.0	1336.196	1323.828	1318.595	1321.449	1313.838
169.5	1338.574	1326.206	1320.974	1323.828	1316.693
170.0	1340.952	1328.585	1323.352	1326.206	1320.022
170.5	1343.331	1330.963	1325.255	1328.585	1322.401
171.0	1345.709	1332.866	1327.158	1330.963	1324.779
171.5	1347.612	1334.769	1329.060	1333.341	1327.158
172.0	1349.515	1336.671	1330.487	1335.244	1329.060
172.5	1351.417	1338.574	1331.914	1336.671	1330.487
173.0	1353.320	1340.477	1333.341	1338.574	1331.439
173.5	1354.747	1341.904	1334.769	1339.525	1332.390
174.0	1356.174	1343.331	1336.196	1340.477	1332.866
174.5	1357.126	1344.282	1337.147	1341.428	1333.341
175.0	1358.077	1345.709	1338.098	1341.904	1333.341
175.5	1359.028	1346.661	1339.525	1342.379	1333.817
176.0	1359.980	1347.612	1340.477	1342.379	1333.817
176.5	1360.455	1348.563	1340.952	1342.855	1333.817
177.0	1360.931	1349.515	1341.904	1342.855	1333.341
177.5	1361.883	1350.466	1342.855	1342.855	1333.341
178.0	1362.358	1350.466	1343.331	1342.855	1333.817
178.5	1362.358	1350.942	1343.807	1342.855	1333.817
179.0	1362.834	1351.417	1343.807	1342.855	1333.817
179.5	1363.310	1351.417	1344.282	1342.855	1333.817
180.0	1346.661	1346.661	1346.661	1346.661	1346.661



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-L12-935D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	491.37	N.A.	7.10
0-30	1027.28	N.A.	14.90
0-40	1650.34	N.A.	23.90
0-60	2804.3	N.A.	40.60
0-80	3434.18	N.A.	49.70
0-90	3500.74	N.A.	50.70
10-90	3372.48	N.A.	48.80
20-40	1158.97	N.A.	16.80
20-50	1777.49	N.A.	25.70
40-70	1555.00	N.A.	22.50
60-80	629.88	N.A.	9.10
70-80	228.84	N.A.	3.30
80-90	66.55	N.A.	1.00
90-110	194.89	N.A.	2.80
90-120	500.29	N.A.	7.20
90-130	1013.5	N.A.	14.70
90-150	2357.33	N.A.	34.10
90-180	3406.96	N.A.	49.30
110-180	3212.07	N.A.	46.50
0-180	6907.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.26
10-20	363.11
20-30	535.91
30-40	623.06
40-50	618.51
50-60	535.45
60-70	401.04
70-80	228.84
80-90	66.55
90-100	42.03
100-110	152.85
110-120	305.40
120-130	513.21
130-140	671.07
140-150	672.75
150-160	555.73
160-170	366.20
170-180	127.71

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-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	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 : MX4UDC-4-00-L8-935U-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	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	18.3	19.1	20.4	17.3	18.1	18.2	19.0	20.3
	4H	18.0	18.7	19.0	19.7	21.0	17.9	18.7	18.9	19.6	20.9
	6H	18.4	19.1	19.4	20.1	21.4	18.4	19.1	19.4	20.0	21.3
	8H	18.6	19.2	19.5	20.2	21.5	18.5	19.2	19.5	20.2	21.5
	12H	18.6	19.3	19.6	20.2	21.6	18.6	19.2	19.6	20.2	21.6

### UGR Viewed Endwise

4H	2H	16.2	16.9	17.1	17.9	19.2	16.1	16.8	17.0	17.8	19.1
	3H	18.1	18.7	19.1	19.7	21.0	18.0	18.7	19.0	19.7	21.0
	4H	18.9	19.4	19.8	20.4	21.7	18.8	19.4	19.8	20.4	21.7
	6H	19.4	19.9	20.4	20.9	22.2	19.4	19.9	20.4	20.9	22.2
	8H	19.6	20.0	20.6	21.1	22.4	19.6	20.0	20.6	21.1	22.4
	12H	19.7	20.1	20.7	21.1	22.5	19.7	20.1	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	22.5
	8H	20.1	20.4	21.1	21.4	22.8	20.1	20.4	21.1	21.4	22.8
	12H	20.2	20.5	21.3	21.6	23.0	20.3	20.6	21.3	21.6	23.0

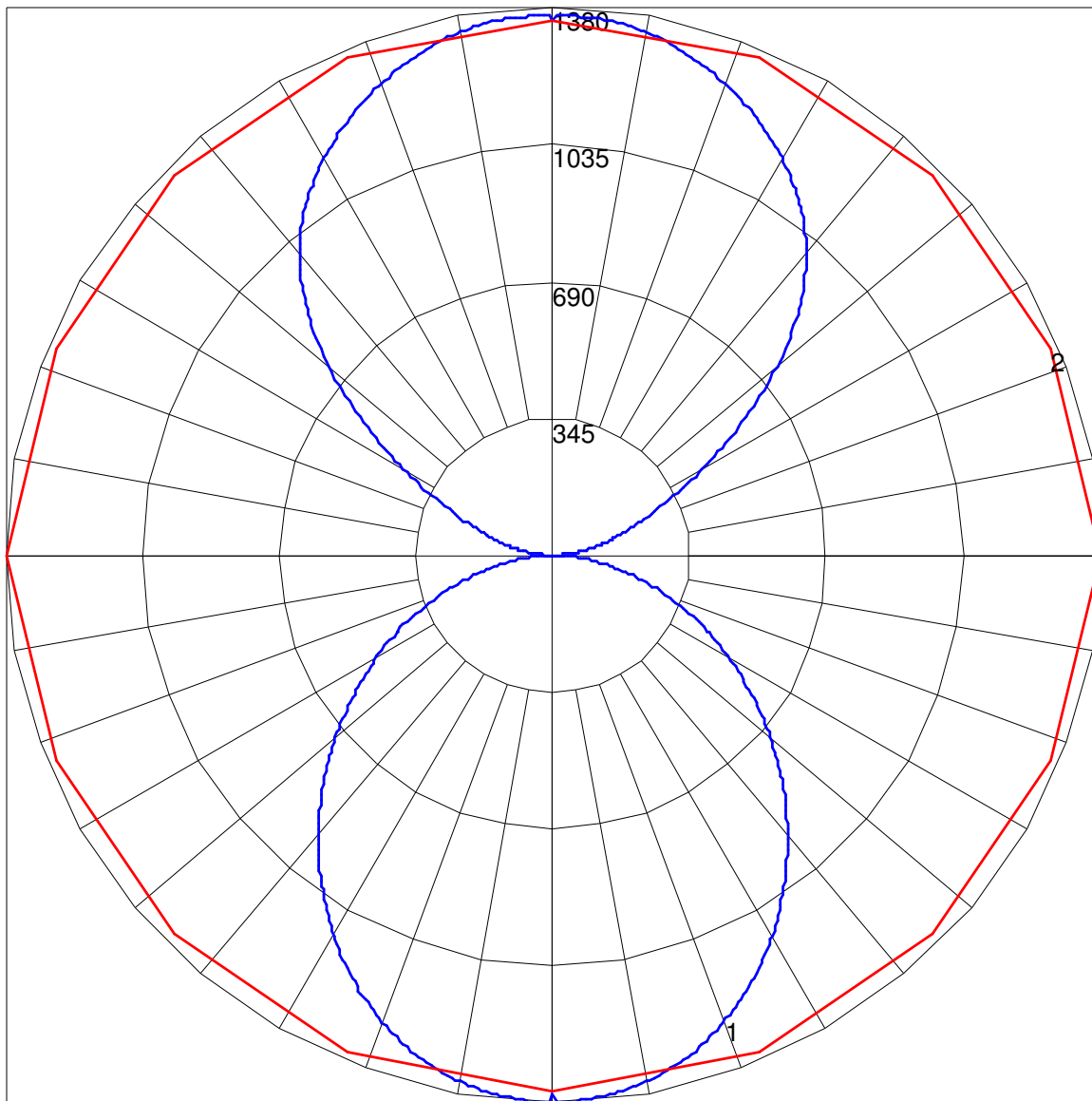
12H	4H	19.1	19.5	20.1	20.5	21.9	19.0	19.5	20.1	20.5	21.8
	6H	19.8	20.2	20.9	21.2	22.6	19.8	20.2	20.9	21.2	22.6
	8H	20.1	20.4	21.2	21.5	22.9	20.1	20.4	21.2	21.5	22.9

Maximum UGR = 23.0

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-935U-L12-935D-F-F-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 1380.132 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.)