

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-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-L8-930U-L12-930D-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	6824
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	9257	9026	8923
55	8510	8303	8216
65	7849	7659	7576
75	6656	6652	6649
85	5198	5407	5564

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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	1343.220	1343.220	1343.220	1343.220	1343.220
0.5	1363.504	1344.347	1337.586	1340.403	1335.896
1.0	1363.504	1343.784	1337.586	1340.403	1335.896
1.5	1362.940	1343.220	1337.022	1340.403	1335.332
2.0	1362.377	1342.657	1336.459	1339.840	1335.332
2.5	1361.813	1342.093	1335.332	1339.276	1334.769
3.0	1360.686	1340.966	1334.769	1338.713	1333.642
3.5	1359.560	1339.840	1333.642	1337.586	1332.515
4.0	1358.433	1338.713	1332.515	1336.459	1331.388
4.5	1357.306	1337.022	1331.388	1335.332	1329.698
5.0	1356.179	1335.896	1329.698	1333.642	1328.007
5.5	1354.489	1334.205	1328.007	1331.952	1326.317
6.0	1352.798	1331.952	1326.317	1330.261	1324.063
6.5	1350.545	1330.261	1324.063	1328.007	1322.373
7.0	1348.854	1328.007	1322.373	1325.754	1320.119
7.5	1347.164	1325.754	1320.119	1323.500	1318.429
8.0	1344.347	1323.500	1317.302	1321.246	1316.175
8.5	1342.093	1320.683	1314.485	1318.429	1313.358
9.0	1339.276	1318.429	1312.231	1315.612	1310.541
9.5	1336.459	1315.612	1308.851	1312.231	1307.724
10.0	1333.642	1312.795	1306.034	1309.414	1304.343
10.5	1330.261	1309.414	1302.653	1306.034	1301.526
11.0	1327.444	1306.034	1299.272	1302.653	1297.582
11.5	1323.500	1302.653	1295.892	1299.272	1294.202
12.0	1320.119	1299.272	1292.511	1295.328	1290.258
12.5	1316.739	1295.328	1288.567	1291.384	1286.314
13.0	1312.795	1291.948	1284.623	1287.440	1282.370
13.5	1308.851	1287.440	1280.679	1282.933	1278.426
14.0	1304.907	1283.496	1276.172	1278.989	1274.482
14.5	1300.963	1279.552	1271.664	1274.482	1269.974
15.0	1297.019	1275.045	1267.157	1269.974	1265.467
15.5	1291.948	1271.101	1262.649	1264.903	1260.396
16.0	1286.314	1266.593	1257.579	1260.396	1255.888
16.5	1280.679	1261.523	1252.508	1255.325	1250.817
17.0	1275.608	1256.452	1247.437	1250.254	1245.747
17.5	1269.974	1250.817	1241.802	1244.620	1240.112
18.0	1264.340	1245.183	1236.168	1238.985	1234.478
18.5	1258.705	1239.549	1230.534	1232.788	1228.844
19.0	1253.071	1233.914	1225.463	1227.153	1222.082
19.5	1246.873	1228.280	1219.829	1220.392	1215.321
20.0	1241.239	1222.082	1214.758	1214.194	1208.560
20.5	1235.041	1216.448	1209.123	1207.433	1201.799
21.0	1228.844	1210.250	1202.926	1200.672	1194.474
21.5	1222.082	1204.053	1196.165	1193.911	1187.150
22.0	1215.885	1197.291	1188.840	1186.586	1180.388
22.5	1209.123	1190.530	1182.079	1179.262	1173.064
23.0	1202.362	1183.769	1175.318	1171.374	1165.739
23.5	1195.601	1177.008	1167.993	1164.049	1158.978
24.0	1188.277	1170.247	1161.232	1156.724	1151.653
24.5	1180.952	1162.922	1153.907	1149.400	1144.329
25.0	1174.191	1155.598	1146.583	1142.075	1137.004
25.5	1166.866	1148.273	1138.695	1134.751	1129.116
26.0	1158.978	1140.385	1131.370	1127.426	1121.792
26.5	1151.653	1133.060	1123.482	1120.101	1114.467

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1143.765	1125.172	1115.594	1112.777	1106.579
27.5	1135.877	1117.284	1108.269	1105.452	1099.254
28.0	1127.989	1108.833	1099.818	1097.564	1091.366
28.5	1119.538	1100.381	1091.930	1090.239	1083.478
29.0	1111.086	1092.493	1084.042	1082.351	1075.590
29.5	1103.198	1084.042	1076.154	1073.900	1068.266
30.0	1094.747	1075.590	1068.266	1066.012	1060.378
30.5	1086.295	1067.139	1059.814	1058.124	1052.490
31.0	1077.281	1059.251	1051.363	1049.672	1044.602
31.5	1068.829	1050.799	1042.911	1041.221	1036.150
32.0	1059.814	1041.784	1034.460	1032.206	1027.699
32.5	1050.799	1033.333	1026.008	1023.755	1018.684
33.0	1041.784	1024.881	1017.557	1015.303	1009.669
33.5	1033.333	1015.867	1008.542	1006.288	1001.217
34.0	1023.755	1006.852	1000.090	997.273	992.202
34.5	1014.740	997.837	990.512	988.258	982.624
35.0	1005.725	989.385	981.497	979.244	973.046
35.5	996.146	979.807	972.482	970.229	963.467
36.0	986.568	970.792	963.467	960.650	954.453
36.5	977.553	961.777	954.453	951.635	945.438
37.0	967.975	952.199	944.874	942.057	935.859
37.5	958.397	942.620	935.859	932.479	926.844
38.0	948.255	933.042	926.281	922.900	917.266
38.5	938.676	923.464	916.703	913.886	907.688
39.0	929.662	913.886	907.124	904.307	898.673
39.5	919.520	904.307	898.109	894.729	888.531
40.0	909.941	894.165	888.531	885.151	879.516
40.5	899.800	884.587	878.953	875.572	869.938
41.0	890.221	874.445	869.374	865.430	859.796
41.5	880.080	864.867	859.233	855.852	849.654
42.0	870.501	854.725	849.654	846.274	840.076
42.5	860.923	845.147	840.076	836.132	830.498
43.0	850.781	835.569	830.498	826.554	820.356
43.5	841.203	825.427	820.356	816.975	810.778
44.0	831.061	815.285	810.214	806.834	801.199
44.5	820.919	805.143	800.072	796.692	791.057
45.0	810.778	795.565	790.494	786.550	781.479
45.5	801.199	785.423	780.352	776.972	771.901
46.0	791.057	775.281	770.211	766.830	762.322
46.5	780.916	765.140	760.632	757.252	752.744
47.0	770.774	754.998	750.490	747.110	742.602
47.5	760.069	744.856	740.349	736.968	733.024
48.0	749.927	734.714	730.207	727.390	722.882
48.5	739.785	724.573	720.629	717.248	712.741
49.0	729.080	714.431	710.487	707.106	703.162
49.5	718.938	704.289	700.345	697.528	693.584
50.0	708.233	694.147	690.203	687.386	683.442
50.5	697.528	684.006	680.062	677.244	673.864
51.0	686.823	673.864	669.920	667.103	663.722
51.5	676.681	663.722	659.778	657.524	653.580
52.0	666.539	653.580	649.636	647.383	644.002
52.5	655.834	643.439	639.494	637.804	633.860
53.0	645.692	633.297	629.353	627.662	623.718
53.5	634.987	623.155	619.211	617.521	613.577
54.0	624.845	613.013	609.633	607.942	603.435
54.5	614.704	603.435	599.491	597.801	593.293

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55.0	604.562	593.857	589.913	588.222	583.715
55.5	594.983	583.715	579.771	578.080	574.136
56.0	584.278	573.573	569.629	568.502	563.995
56.5	574.136	563.995	559.769	558.529	554.078
57.0	564.558	553.853	549.796	548.444	544.218
57.5	554.642	544.049	539.880	538.640	534.246
58.0	544.725	534.358	529.907	528.780	524.385
58.5	534.753	524.611	520.103	519.089	514.920
59.0	524.949	514.807	510.243	509.286	505.285
59.5	515.427	504.891	500.214	499.538	495.763
60.0	505.680	495.031	490.298	489.734	486.072
60.5	496.045	485.396	480.720	479.874	476.268
61.0	486.579	475.761	471.198	470.240	466.690
61.5	476.437	466.239	461.732	460.661	457.225
62.0	466.465	456.436	451.928	451.139	447.533
62.5	456.267	447.364	442.688	442.068	438.350
63.0	446.463	439.364	435.589	435.307	432.265
63.5	436.547	430.631	427.644	427.025	423.869
64.0	430.574	422.123	419.418	418.179	414.573
64.5	421.278	413.051	410.122	408.995	405.614
65.0	410.854	403.360	400.938	399.867	396.599
65.5	400.205	393.557	391.359	390.852	387.528
66.0	389.951	383.978	382.006	381.781	378.231
66.5	379.809	374.175	372.484	372.484	369.329
67.0	369.780	364.427	363.075	363.244	360.371
67.5	359.920	354.849	353.609	353.948	351.130
68.0	349.947	345.271	344.144	344.595	341.665
68.5	339.918	335.523	334.622	335.242	332.368
69.0	329.551	325.720	325.044	325.382	322.733
69.5	319.466	316.085	315.296	315.691	313.268
70.0	309.493	306.338	305.774	305.943	303.802
70.5	299.689	296.534	296.139	296.309	294.280
71.0	289.660	286.787	286.674	286.899	284.702
71.5	279.631	277.039	277.264	277.434	275.518
72.0	269.884	267.235	267.686	267.912	266.278
72.5	260.136	257.601	258.333	258.559	257.206
73.0	250.502	248.192	249.206	249.487	248.304
73.5	241.149	238.895	240.078	240.585	239.289
74.0	231.908	229.598	231.063	231.458	230.612
74.5	222.668	220.471	222.105	222.499	221.879
75.0	213.371	211.399	213.259	213.653	213.146
75.5	204.187	202.328	204.469	204.976	204.413
76.0	194.891	193.595	195.792	196.356	195.905
76.5	186.101	184.974	187.172	187.792	187.397
77.0	177.537	176.298	178.720	179.284	178.664
77.5	168.691	167.846	170.269	170.720	170.100
78.0	160.071	159.395	161.817	162.494	161.874
78.5	151.507	151.169	153.479	154.267	153.760
79.0	143.281	142.943	145.309	146.267	145.872
79.5	135.054	134.885	137.252	138.266	137.928
80.0	126.941	126.997	129.195	130.603	130.153
80.5	118.771	119.278	121.532	122.884	122.546
81.0	110.940	111.728	113.926	115.334	115.109
81.5	103.390	104.235	106.489	107.897	107.728
82.0	96.347	96.910	99.220	100.685	100.516
82.5	89.304	89.811	92.065	93.530	93.417

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83.0	82.261	83.050	85.022	86.543	86.656
83.5	75.331	76.289	78.204	79.669	80.007
84.0	68.851	69.640	71.443	72.852	73.359
84.5	62.259	63.104	64.795	66.203	66.710
85.0	56.118	56.794	58.371	59.611	60.062
85.5	50.145	50.483	51.836	53.132	53.582
86.0	44.286	44.398	45.582	46.765	47.328
86.5	38.482	38.482	39.553	40.623	41.130
87.0	32.623	32.623	33.411	34.764	35.158
87.5	26.819	26.876	27.608	28.960	29.467
88.0	21.298	21.241	21.974	23.439	24.002
88.5	16.001	15.663	16.621	17.917	18.706
89.0	10.367	10.198	11.494	12.734	13.579
89.5	4.789	5.691	6.874	7.832	8.113
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	4.042	3.290	3.243	3.196
91.5	12.313	8.224	4.888	4.841	4.794
92.0	17.012	13.676	7.049	6.297	6.297
92.5	21.900	19.315	10.903	7.895	7.754
93.0	26.975	24.720	15.414	10.480	9.446
93.5	32.098	29.889	20.255	14.146	12.313
94.0	37.126	34.964	25.612	18.516	16.213
94.5	42.296	40.040	31.205	23.028	20.443
95.0	47.371	45.256	36.703	27.633	24.626
95.5	52.447	50.144	42.061	32.380	29.043
96.0	57.287	55.125	47.324	37.314	33.555
96.5	62.175	60.107	52.588	42.343	38.207
97.0	66.921	64.994	57.804	47.371	43.142
97.5	71.809	69.929	63.068	52.494	48.076
98.0	76.649	74.769	68.190	57.569	53.058
98.5	81.490	79.657	73.125	62.739	58.039
99.0	86.424	84.685	78.153	67.673	63.068
99.5	91.406	89.667	83.229	72.608	68.002
100.0	96.293	94.695	88.304	77.683	72.843
100.5	101.369	99.724	93.380	82.947	77.730
101.0	106.585	104.752	98.549	88.257	83.041
101.5	111.896	109.875	103.813	93.568	88.539
102.0	117.065	115.185	109.076	98.878	93.991
102.5	122.470	120.449	114.527	104.189	99.395
103.0	128.015	125.900	119.932	109.452	104.893
103.5	133.561	131.446	125.665	115.091	110.345
104.0	139.247	137.038	131.493	120.919	116.031
104.5	145.121	142.866	137.320	126.887	121.718
105.0	151.137	148.834	143.101	132.762	127.498
105.5	157.293	154.896	149.069	138.683	133.232
106.0	163.544	161.006	155.131	144.698	138.965
106.5	169.841	167.303	161.476	150.761	144.745
107.0	176.561	173.882	168.243	157.199	151.043
107.5	183.517	180.650	175.104	164.013	157.857
108.0	190.425	187.605	182.107	171.392	164.859
108.5	197.709	194.701	189.109	178.770	172.097
109.0	205.181	201.939	196.299	186.242	179.428
109.5	212.842	209.458	203.865	193.667	186.853
110.0	221.019	217.165	211.620	201.281	194.607
110.5	229.384	225.060	219.562	209.458	202.644

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111.0	237.843	233.331	227.786	217.964	210.727
111.5	246.490	241.838	236.151	226.611	219.045
112.0	255.466	250.579	244.469	235.258	226.987
112.5	264.489	259.555	252.882	243.858	235.399
113.0	273.935	268.813	261.764	252.741	244.187
113.5	283.663	278.494	271.163	262.328	253.633
114.0	293.532	288.363	281.126	272.526	264.113
114.5	303.730	298.561	291.277	283.146	275.251
115.0	314.069	309.041	301.804	293.861	286.530
115.5	324.878	319.615	312.613	304.529	297.668
116.0	335.781	330.612	323.797	315.761	308.994
116.5	347.295	341.891	335.358	327.275	321.072
117.0	359.279	353.404	347.013	339.682	333.525
117.5	368.114	362.380	357.681	351.102	346.167
118.0	379.393	372.860	368.631	362.897	357.399
118.5	392.504	385.361	379.816	373.847	367.503
119.0	405.334	397.674	392.504	386.254	378.735
119.5	418.305	410.786	405.945	398.849	391.330
120.0	431.699	424.367	419.433	412.618	404.629
120.5	444.998	438.137	433.343	427.234	418.822
121.0	458.956	452.188	447.348	441.802	433.907
121.5	472.772	466.099	461.306	456.559	448.664
122.0	487.341	480.292	476.062	471.363	463.467
122.5	501.439	494.390	490.631	485.931	477.472
123.0	516.008	509.429	505.669	501.909	492.980
123.5	531.047	524.467	521.647	517.888	508.959
124.0	546.085	539.976	537.156	533.866	525.407
124.5	561.123	555.014	552.664	549.375	541.385
125.0	576.162	570.053	567.703	564.883	556.894
125.5	591.670	585.561	583.211	580.392	571.932
126.0	606.709	600.599	599.190	595.900	586.971
126.5	621.747	615.638	615.168	612.348	602.949
127.0	637.256	631.146	631.146	628.797	619.868
127.5	652.764	646.185	646.185	644.775	636.786
128.0	667.803	661.223	661.693	660.753	652.764
128.5	682.841	675.792	676.732	676.732	668.273
129.0	697.880	690.360	691.770	692.240	684.251
129.5	712.918	705.399	707.279	708.219	700.699
130.0	727.957	720.437	722.787	724.197	718.088
130.5	742.995	735.006	738.766	739.705	734.536
131.0	758.034	749.574	753.804	754.744	749.574
131.5	772.132	763.673	768.843	768.843	764.143
132.0	786.701	777.772	783.411	783.881	778.242
132.5	800.799	792.340	797.980	798.450	792.340
133.0	814.898	806.909	812.078	813.018	805.969
133.5	828.996	821.007	826.647	827.587	820.537
134.0	843.095	834.636	840.275	841.685	834.636
134.5	855.784	848.265	853.434	854.374	848.265
135.0	868.473	861.423	866.123	867.063	860.483
135.5	880.691	875.052	878.811	879.281	872.702
136.0	892.910	887.741	890.560	891.970	885.391
136.5	905.599	899.959	902.309	904.659	898.549
137.0	917.348	912.178	914.528	916.408	910.768
137.5	929.096	923.457	925.807	927.217	921.577
138.0	940.375	934.736	936.616	937.556	931.916
138.5	951.654	945.545	947.425	947.895	941.785

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	962.463	956.354	958.233	958.233	951.654
139.5	973.272	967.163	968.572	968.102	961.053
140.0	983.611	977.032	978.911	978.441	971.392
140.5	993.480	986.431	988.310	987.840	980.321
141.0	1003.349	996.300	997.709	996.770	989.250
141.5	1012.278	1005.229	1007.109	1005.699	997.240
142.0	1021.677	1014.628	1016.038	1014.158	1005.699
142.5	1030.606	1023.557	1024.967	1023.087	1013.688
143.0	1039.535	1032.016	1033.426	1031.546	1022.147
143.5	1047.994	1040.945	1041.885	1040.005	1030.136
144.0	1055.984	1049.404	1049.874	1047.524	1037.655
144.5	1063.973	1057.393	1057.863	1055.044	1045.175
145.0	1071.492	1065.383	1065.383	1062.093	1052.224
145.5	1079.481	1073.372	1072.902	1070.082	1059.743
146.0	1087.001	1080.891	1080.421	1077.131	1067.262
146.5	1094.520	1088.410	1087.470	1084.651	1074.782
147.0	1101.569	1095.930	1094.050	1092.170	1082.301
147.5	1108.618	1102.979	1101.099	1099.219	1089.350
148.0	1115.668	1110.028	1107.208	1105.799	1096.870
148.5	1122.717	1117.077	1113.318	1112.378	1104.389
149.0	1129.296	1124.127	1119.427	1118.957	1111.908
149.5	1135.876	1130.706	1125.067	1125.537	1118.957
150.0	1142.455	1137.285	1131.176	1131.646	1125.537
150.5	1149.034	1143.865	1136.815	1137.285	1132.116
151.0	1155.144	1149.974	1142.455	1142.925	1138.225
151.5	1161.723	1156.084	1148.564	1148.564	1143.865
152.0	1167.832	1162.193	1154.204	1153.734	1149.504
152.5	1173.942	1167.832	1159.843	1159.373	1154.674
153.0	1180.051	1173.472	1165.483	1165.013	1159.373
153.5	1185.691	1179.111	1171.122	1170.652	1163.603
154.0	1191.330	1184.751	1177.231	1176.292	1168.302
154.5	1197.439	1189.920	1182.871	1181.461	1173.002
155.0	1203.079	1195.090	1188.510	1187.100	1178.171
155.5	1208.248	1199.789	1194.150	1192.740	1183.341
156.0	1213.418	1204.959	1200.259	1197.909	1188.510
156.5	1218.587	1210.128	1205.899	1203.549	1193.680
157.0	1223.757	1215.298	1211.538	1209.188	1198.849
157.5	1228.456	1219.997	1216.707	1214.358	1204.019
158.0	1233.156	1224.697	1221.877	1219.527	1209.188
158.5	1238.325	1229.866	1227.046	1224.697	1214.828
159.0	1242.555	1234.566	1231.746	1229.866	1219.997
159.5	1247.254	1239.265	1236.445	1235.036	1225.167
160.0	1251.484	1243.495	1241.145	1239.735	1230.336
160.5	1255.714	1247.724	1245.375	1244.435	1235.506
161.0	1259.943	1251.954	1249.604	1249.134	1240.675
161.5	1264.173	1256.653	1253.364	1253.834	1245.845
162.0	1268.872	1260.883	1257.123	1258.533	1250.544
162.5	1273.102	1265.113	1260.883	1262.763	1254.774
163.0	1277.331	1269.342	1264.643	1266.992	1259.003
163.5	1281.561	1273.102	1268.402	1271.222	1262.763
164.0	1285.790	1276.861	1271.692	1274.982	1266.522
164.5	1289.080	1280.621	1274.982	1278.741	1270.282
165.0	1292.840	1284.381	1278.271	1282.501	1273.572
165.5	1296.599	1287.670	1281.561	1285.790	1276.861
166.0	1300.359	1290.960	1284.851	1289.080	1279.681
166.5	1304.119	1294.250	1288.140	1291.900	1282.971

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1307.408	1297.069	1290.960	1294.720	1285.790
167.5	1310.698	1299.889	1294.250	1297.539	1289.080
168.0	1313.988	1302.709	1297.069	1300.359	1291.900
168.5	1317.277	1305.528	1299.889	1303.179	1295.190
169.0	1320.097	1307.878	1302.709	1305.528	1298.009
169.5	1322.447	1310.228	1305.059	1307.878	1300.829
170.0	1324.797	1312.578	1307.408	1310.228	1304.119
170.5	1327.146	1314.928	1309.288	1312.578	1306.468
171.0	1329.496	1316.807	1311.168	1314.928	1308.818
171.5	1331.376	1318.687	1313.048	1317.277	1311.168
172.0	1333.256	1320.567	1314.458	1319.157	1313.048
172.5	1335.136	1322.447	1315.867	1320.567	1314.458
173.0	1337.015	1324.327	1317.277	1322.447	1315.397
173.5	1338.425	1325.736	1318.687	1323.387	1316.337
174.0	1339.835	1327.146	1320.097	1324.327	1316.807
174.5	1340.775	1328.086	1321.037	1325.267	1317.277
175.0	1341.715	1329.496	1321.977	1325.736	1317.277
175.5	1342.655	1330.436	1323.387	1326.206	1317.747
176.0	1343.595	1331.376	1324.327	1326.206	1317.747
176.5	1344.065	1332.316	1324.797	1326.676	1317.747
177.0	1344.535	1333.256	1325.736	1326.676	1317.277
177.5	1345.474	1334.196	1326.676	1326.676	1317.277
178.0	1345.944	1334.196	1327.146	1326.676	1317.747
178.5	1345.944	1334.666	1327.616	1326.676	1317.747
179.0	1346.414	1335.136	1327.616	1326.676	1317.747
179.5	1346.884	1335.136	1328.086	1326.676	1317.747
180.0	1330.436	1330.436	1330.436	1330.436	1330.436

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	485.45	N.A.	7.10
0-30	1014.9	N.A.	14.90
0-40	1630.46	N.A.	23.90
0-60	2770.52	N.A.	40.60
0-80	3392.81	N.A.	49.70
0-90	3458.56	N.A.	50.70
10-90	3331.85	N.A.	48.80
20-40	1145.01	N.A.	16.80
20-50	1756.07	N.A.	25.70
40-70	1536.26	N.A.	22.50
60-80	622.29	N.A.	9.10
70-80	226.08	N.A.	3.30
80-90	65.75	N.A.	1.00
90-110	192.54	N.A.	2.80
90-120	494.26	N.A.	7.20
90-130	1001.29	N.A.	14.70
90-150	2328.92	N.A.	34.10
90-180	3365.91	N.A.	49.30
110-180	3173.38	N.A.	46.50
0-180	6824.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.71
10-20	358.74
20-30	529.46
30-40	615.55
40-50	611.06
50-60	529.00
60-70	396.21
70-80	226.08
80-90	65.75
90-100	41.53
100-110	151.01
110-120	301.72
120-130	507.03
130-140	662.99
140-150	664.65
150-160	549.03
160-170	361.79
170-180	126.17

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-930U-L12-930D-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-L8-930U-L12-930D-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

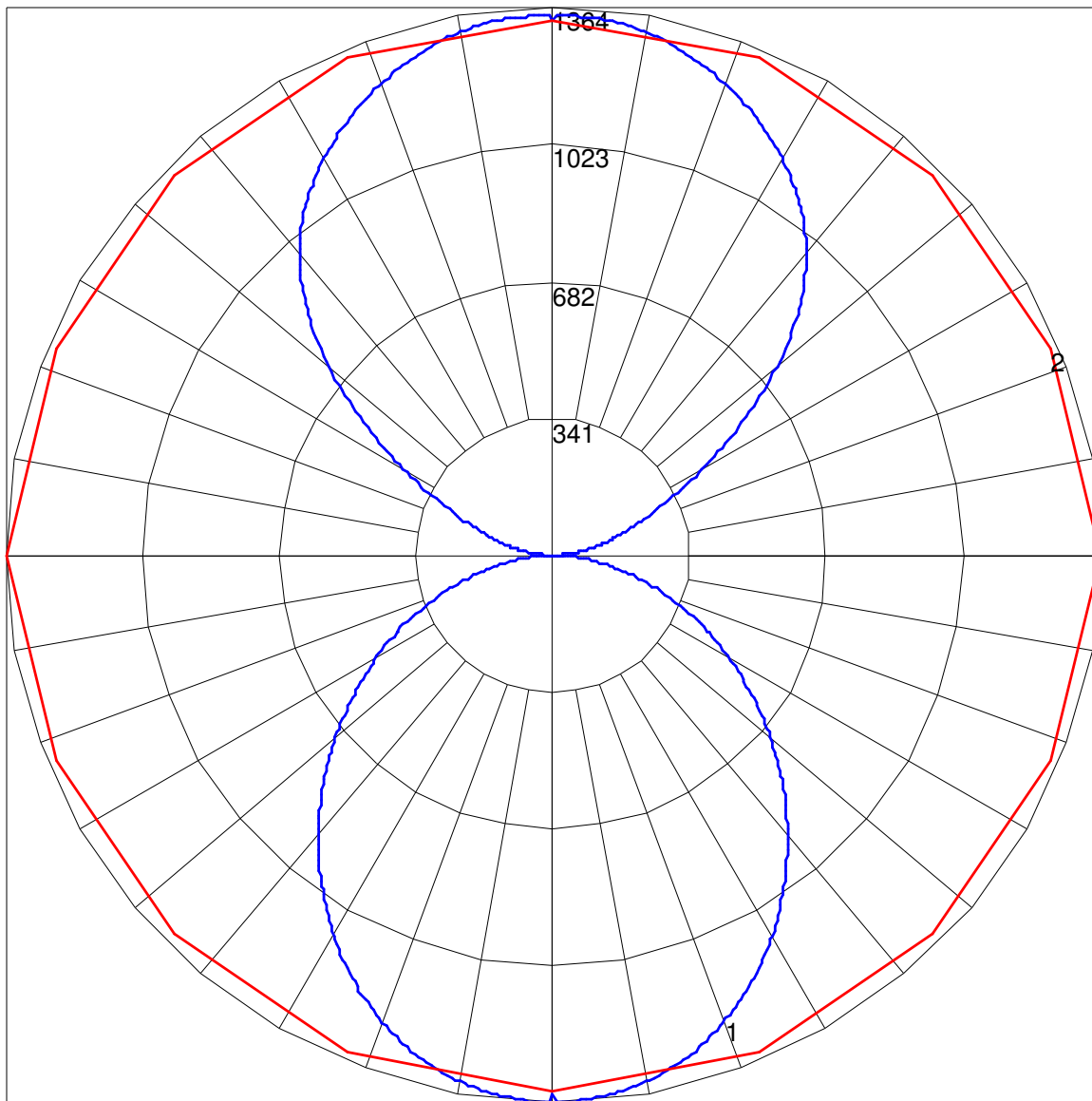
4H	2H	16.1	16.9	17.1	17.9	19.2	16.1	16.8	17.0	17.8	19.1
	3H	18.1	18.7	19.1	19.7	21.0	18.0	18.7	19.0	19.7	21.0
	4H	18.9	19.4	19.8	20.4	21.7	18.8	19.4	19.8	20.4	21.7
	6H	19.4	19.9	20.4	20.9	22.2	19.4	19.9	20.4	20.9	22.2
	8H	19.6	20.0	20.6	21.1	22.4	19.6	20.0	20.6	21.1	22.4
	12H	19.7	20.1	20.7	21.1	22.5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

POLAR GRAPH



Maximum Candela = 1363.504 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.)