

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-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-L8-927U-L12-927D-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	6658
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
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	9031	8805	8705
55	8302	8101	8016
65	7657	7472	7392
75	6493	6490	6487
85	5072	5275	5428

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1310.459	1310.459	1310.459	1310.459	1310.459
<b>0.5</b>	1330.247	1311.558	1304.962	1307.710	1303.313
<b>1.0</b>	1330.247	1311.008	1304.962	1307.710	1303.313
<b>1.5</b>	1329.698	1310.459	1304.412	1307.710	1302.763
<b>2.0</b>	1329.148	1309.909	1303.862	1307.160	1302.763
<b>2.5</b>	1328.598	1309.359	1302.763	1306.611	1302.213
<b>3.0</b>	1327.499	1308.260	1302.213	1306.061	1301.114
<b>3.5</b>	1326.400	1307.160	1301.114	1304.962	1300.014
<b>4.0</b>	1325.300	1306.061	1300.014	1303.862	1298.915
<b>4.5</b>	1324.201	1304.412	1298.915	1302.763	1297.266
<b>5.0</b>	1323.101	1303.313	1297.266	1301.114	1295.617
<b>5.5</b>	1321.452	1301.664	1295.617	1299.465	1293.968
<b>6.0</b>	1319.803	1299.465	1293.968	1297.816	1291.769
<b>6.5</b>	1317.605	1297.816	1291.769	1295.617	1290.120
<b>7.0</b>	1315.955	1295.617	1290.120	1293.418	1287.921
<b>7.5</b>	1314.306	1293.418	1287.921	1291.219	1286.272
<b>8.0</b>	1311.558	1291.219	1285.173	1289.021	1284.073
<b>8.5</b>	1309.359	1288.471	1282.424	1286.272	1281.325
<b>9.0</b>	1306.611	1286.272	1280.226	1283.524	1278.577
<b>9.5</b>	1303.862	1283.524	1276.928	1280.226	1275.828
<b>10.0</b>	1301.114	1280.775	1274.179	1277.477	1272.530
<b>10.5</b>	1297.816	1277.477	1270.881	1274.179	1269.782
<b>11.0</b>	1295.067	1274.179	1267.583	1270.881	1265.934
<b>11.5</b>	1291.219	1270.881	1264.285	1267.583	1262.636
<b>12.0</b>	1287.921	1267.583	1260.987	1263.735	1258.788
<b>12.5</b>	1284.623	1263.735	1257.139	1259.887	1254.940
<b>13.0</b>	1280.775	1260.437	1253.291	1256.039	1251.092
<b>13.5</b>	1276.928	1256.039	1249.443	1251.642	1247.244
<b>14.0</b>	1273.080	1252.192	1245.046	1247.794	1243.397
<b>14.5</b>	1269.232	1248.344	1240.648	1243.397	1238.999
<b>15.0</b>	1265.384	1243.946	1236.251	1238.999	1234.601
<b>15.5</b>	1260.437	1240.098	1231.853	1234.052	1229.654
<b>16.0</b>	1254.940	1235.701	1226.906	1229.654	1225.257
<b>16.5</b>	1249.443	1230.754	1221.959	1224.707	1220.310
<b>17.0</b>	1244.496	1225.806	1217.011	1219.760	1215.362
<b>17.5</b>	1238.999	1220.310	1211.515	1214.263	1209.865
<b>18.0</b>	1233.502	1214.813	1206.018	1208.766	1204.369
<b>18.5</b>	1228.005	1209.316	1200.521	1202.720	1198.872
<b>19.0</b>	1222.508	1203.819	1195.574	1197.223	1192.275
<b>19.5</b>	1216.462	1198.322	1190.077	1190.626	1185.679
<b>20.0</b>	1210.965	1192.275	1185.129	1184.580	1179.083
<b>20.5</b>	1204.918	1186.779	1179.633	1177.984	1172.487
<b>21.0</b>	1198.872	1180.732	1173.586	1171.387	1165.341
<b>21.5</b>	1192.275	1174.685	1166.990	1164.791	1158.195
<b>22.0</b>	1186.229	1168.089	1159.844	1157.645	1151.598
<b>22.5</b>	1179.633	1161.493	1153.248	1150.499	1144.452
<b>23.0</b>	1173.036	1154.897	1146.651	1142.803	1137.307
<b>23.5</b>	1166.440	1148.300	1139.505	1135.657	1130.710
<b>24.0</b>	1159.294	1141.704	1132.909	1128.512	1123.564
<b>24.5</b>	1152.148	1134.558	1125.763	1121.366	1116.418
<b>25.0</b>	1145.552	1127.412	1118.617	1114.220	1109.272
<b>25.5</b>	1138.406	1120.266	1110.921	1107.074	1101.577
<b>26.0</b>	1130.710	1112.571	1103.775	1099.928	1094.431
<b>26.5</b>	1123.564	1105.425	1096.080	1092.782	1087.285

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27.0	1115.869	1097.729	1088.384	1085.636	1079.589
27.5	1108.173	1090.033	1081.238	1078.490	1072.443
28.0	1100.477	1081.788	1072.993	1070.794	1064.748
28.5	1092.232	1073.543	1065.297	1063.648	1057.052
29.0	1083.987	1065.847	1057.602	1055.953	1049.356
29.5	1076.291	1057.602	1049.906	1047.707	1042.210
30.0	1068.046	1049.356	1042.210	1040.012	1034.515
30.5	1059.800	1041.111	1033.965	1032.316	1026.819
31.0	1051.005	1033.415	1025.720	1024.071	1019.123
31.5	1042.760	1025.170	1017.474	1015.825	1010.878
32.0	1033.965	1016.375	1009.229	1007.030	1002.633
32.5	1025.170	1008.130	1000.984	998.785	993.838
33.0	1016.375	999.884	992.738	990.540	985.043
33.5	1008.130	991.089	983.943	981.745	976.797
34.0	998.785	982.294	975.698	972.950	968.002
34.5	989.990	973.499	966.353	964.154	958.658
35.0	981.195	965.254	957.558	955.359	949.313
35.5	971.850	955.909	948.763	946.564	939.968
36.0	962.505	947.114	939.968	937.220	931.173
36.5	953.710	938.319	931.173	928.425	922.378
37.0	944.366	928.974	921.828	919.080	913.033
37.5	935.021	919.630	913.033	909.735	904.238
38.0	925.127	910.285	903.689	900.391	894.894
38.5	915.782	900.940	894.344	891.596	885.549
39.0	906.987	891.596	884.999	882.251	876.754
39.5	897.092	882.251	876.204	872.906	866.860
40.0	887.748	872.356	866.860	863.561	858.065
40.5	877.853	863.012	857.515	854.217	848.720
41.0	868.509	853.117	848.170	844.322	838.825
41.5	858.614	843.773	838.276	834.978	828.931
42.0	849.269	833.878	828.931	825.633	819.586
42.5	839.925	824.533	819.586	815.738	810.242
43.0	830.030	815.189	810.242	806.394	800.347
43.5	820.686	805.294	800.347	797.049	791.002
44.0	810.791	795.400	790.453	787.155	781.658
44.5	800.897	785.506	780.558	777.260	771.763
45.0	791.002	776.161	771.214	767.366	762.419
45.5	781.658	766.266	761.319	758.021	753.074
46.0	771.763	756.372	751.425	748.127	743.729
46.5	761.869	746.478	742.080	738.782	734.384
47.0	751.975	736.583	732.186	728.888	724.490
47.5	741.530	726.689	722.291	718.993	715.145
48.0	731.636	716.794	712.397	709.648	705.251
48.5	721.742	706.900	703.052	699.754	695.357
49.0	711.298	697.006	693.158	689.860	686.012
49.5	701.403	687.111	683.263	680.515	676.667
50.0	690.959	677.217	673.369	670.621	666.773
50.5	680.515	667.322	663.475	660.726	657.428
51.0	670.071	657.428	653.580	650.832	647.534
51.5	660.176	647.534	643.686	641.487	637.639
52.0	650.282	637.639	633.791	631.593	628.295
52.5	639.838	627.745	623.897	622.248	618.400
53.0	629.944	617.850	614.003	612.354	608.506
53.5	619.499	607.956	604.108	602.459	598.611
54.0	609.605	598.062	594.763	593.114	588.717
54.5	599.711	588.717	584.869	583.220	578.823

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55.0	589.816	579.372	575.524	573.875	569.478
55.5	580.472	569.478	565.630	563.981	560.133
56.0	570.027	559.583	555.736	554.636	550.239
56.5	560.133	550.239	546.116	544.907	540.564
57.0	550.788	540.344	536.386	535.067	530.945
57.5	541.114	530.780	526.712	525.503	521.215
58.0	531.439	521.325	516.983	515.883	511.596
58.5	521.710	511.815	507.418	506.428	502.361
59.0	512.145	502.251	497.798	496.864	492.961
59.5	502.855	492.576	488.014	487.354	483.671
60.0	493.346	482.957	478.339	477.790	474.217
60.5	483.946	473.557	468.995	468.170	464.652
61.0	474.711	464.157	459.705	458.770	455.307
61.5	464.817	454.868	450.470	449.426	446.073
62.0	455.088	445.303	440.906	440.136	436.618
62.5	445.138	436.453	431.891	431.286	427.658
63.0	435.574	428.647	424.965	424.690	421.721
63.5	425.899	420.127	417.214	416.609	413.531
64.0	420.072	411.827	409.188	407.979	404.461
64.5	411.002	402.977	400.119	399.019	395.721
65.0	400.833	393.522	391.159	390.114	386.926
65.5	390.444	383.958	381.814	381.319	378.076
66.0	380.440	374.613	372.689	372.469	369.006
66.5	370.545	365.048	363.399	363.399	360.321
67.0	360.761	355.539	354.220	354.384	351.581
67.5	351.141	346.194	344.985	345.315	342.566
68.0	341.412	336.849	335.750	336.190	333.331
68.5	331.627	327.340	326.460	327.065	324.262
69.0	321.513	317.775	317.116	317.445	314.862
69.5	311.674	308.376	307.606	307.991	305.627
70.0	301.944	298.866	298.316	298.481	296.392
70.5	292.380	289.301	288.917	289.081	287.103
71.0	282.595	279.792	279.682	279.902	277.758
71.5	272.811	270.282	270.502	270.667	268.798
72.0	263.301	260.717	261.157	261.377	259.783
72.5	253.791	251.318	252.032	252.252	250.933
73.0	244.392	242.138	243.127	243.402	242.248
73.5	235.267	233.068	234.222	234.717	233.453
74.0	226.252	223.998	225.427	225.812	224.988
74.5	217.237	215.093	216.687	217.072	216.467
75.0	208.167	206.243	208.057	208.442	207.947
75.5	199.207	197.393	199.482	199.977	199.427
76.0	190.137	188.873	191.017	191.567	191.127
76.5	181.562	180.463	182.607	183.211	182.827
77.0	173.207	171.998	174.361	174.911	174.306
77.5	164.577	163.752	166.116	166.556	165.951
78.0	156.167	155.507	157.871	158.530	157.926
78.5	147.811	147.482	149.735	150.505	150.010
79.0	139.786	139.456	141.765	142.699	142.315
79.5	131.760	131.596	133.904	134.894	134.564
80.0	123.845	123.900	126.044	127.418	126.978
80.5	115.874	116.369	118.568	119.887	119.557
81.0	108.234	109.003	111.147	112.521	112.301
81.5	100.868	101.692	103.891	105.265	105.101
82.0	93.997	94.547	96.800	98.229	98.064
82.5	87.126	87.620	89.819	91.248	91.138

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83.0	80.255	81.024	82.948	84.432	84.542
83.5	73.493	74.428	76.297	77.726	78.056
84.0	67.172	67.942	69.701	71.075	71.570
84.5	60.741	61.565	63.214	64.589	65.083
85.0	54.749	55.409	56.948	58.157	58.597
85.5	48.922	49.252	50.571	51.836	52.275
86.0	43.206	43.315	44.470	45.624	46.174
86.5	37.544	37.544	38.588	39.633	40.127
87.0	31.827	31.827	32.597	33.916	34.301
87.5	26.165	26.220	26.935	28.254	28.749
88.0	20.778	20.723	21.438	22.867	23.417
88.5	15.611	15.281	16.216	17.480	18.250
89.0	10.114	9.949	11.214	12.423	13.247
89.5	4.672	5.552	6.706	7.641	7.916
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.393	1.788	1.651	1.605	1.742
91.0	7.473	3.943	3.209	3.164	3.118
91.5	12.012	8.024	4.768	4.722	4.677
92.0	16.597	13.342	6.877	6.144	6.144
92.5	21.366	18.844	10.637	7.703	7.565
93.0	26.317	24.117	15.038	10.224	9.216
93.5	31.315	29.160	19.761	13.801	12.012
94.0	36.221	34.112	24.988	18.065	15.818
94.5	41.264	39.063	30.444	22.466	19.944
95.0	46.216	44.153	35.808	26.959	24.025
95.5	51.168	48.921	41.035	31.590	28.335
96.0	55.890	53.781	46.170	36.404	32.736
96.5	60.658	58.641	51.305	41.310	37.275
97.0	65.289	63.409	56.394	46.216	42.089
97.5	70.057	68.223	61.529	51.213	46.904
98.0	74.780	72.946	66.527	56.165	51.764
98.5	79.502	77.714	71.341	61.208	56.624
99.0	84.316	82.620	76.247	66.023	61.529
99.5	89.176	87.480	81.199	70.837	66.344
100.0	93.945	92.386	86.150	75.788	71.066
100.5	98.896	97.292	91.102	80.924	75.834
101.0	103.986	102.198	96.145	86.104	81.015
101.5	109.167	107.195	101.281	91.285	86.380
102.0	114.210	112.376	106.416	96.466	91.698
102.5	119.483	117.511	111.734	101.647	96.971
103.0	124.893	122.830	117.007	106.782	102.335
103.5	130.303	128.240	122.600	112.284	107.654
104.0	135.851	133.696	128.286	117.970	113.201
104.5	141.582	139.381	133.971	123.792	118.749
105.0	147.451	145.204	139.610	129.524	124.388
105.5	153.457	151.118	145.433	135.301	129.982
106.0	159.555	157.079	151.348	141.169	135.576
106.5	165.698	163.223	157.537	147.084	141.215
107.0	172.255	169.641	164.140	153.365	147.359
107.5	179.040	176.244	170.834	160.013	154.007
108.0	185.780	183.029	177.665	167.211	160.838
108.5	192.887	189.953	184.497	174.410	167.899
109.0	200.177	197.013	191.511	181.700	175.052
109.5	207.650	204.349	198.893	188.944	182.296
110.0	215.628	211.868	206.458	196.371	189.861
110.5	223.789	219.571	214.207	204.349	197.701

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111.0	232.042	227.640	222.230	212.648	205.587
111.5	240.478	235.939	230.391	221.084	213.702
112.0	249.235	244.467	238.507	229.520	221.451
112.5	258.038	253.224	246.714	237.911	229.658
113.0	267.254	262.256	255.379	246.576	238.232
113.5	276.745	271.701	264.549	255.929	247.447
114.0	286.373	281.330	274.269	265.879	257.672
114.5	296.322	291.279	284.172	276.240	268.538
115.0	306.409	301.503	294.443	286.694	279.542
115.5	316.954	311.819	304.988	297.102	290.408
116.0	327.591	322.548	315.900	308.060	301.457
116.5	338.824	333.552	327.179	319.293	313.241
117.0	350.516	344.785	338.549	331.397	325.391
117.5	359.136	353.542	348.957	342.538	337.724
118.0	370.139	363.766	359.640	354.046	348.682
118.5	382.931	375.962	370.552	364.729	358.539
119.0	395.448	387.975	382.931	376.833	369.497
119.5	408.102	400.766	396.044	389.121	381.785
120.0	421.169	414.017	409.203	402.555	394.760
120.5	434.145	427.451	422.774	416.814	408.607
121.0	447.762	441.159	436.437	431.027	423.324
121.5	461.241	454.731	450.054	445.423	437.721
122.0	475.455	468.577	464.451	459.866	452.163
122.5	489.209	482.332	478.664	474.079	465.826
123.0	503.422	497.004	493.336	489.668	480.956
123.5	518.094	511.675	508.924	505.256	496.545
124.0	532.766	526.805	524.054	520.845	512.592
124.5	547.437	541.477	539.185	535.975	528.181
125.0	562.109	556.149	553.856	551.105	543.311
125.5	577.239	571.279	568.987	566.236	557.983
126.0	591.911	585.951	584.575	581.366	572.654
126.5	606.583	600.622	600.164	597.413	588.243
127.0	621.713	615.753	615.753	613.460	604.749
127.5	636.843	630.424	630.424	629.049	621.254
128.0	651.515	645.096	645.554	644.637	636.843
128.5	666.187	659.309	660.226	660.226	651.973
129.0	680.858	673.522	674.898	675.356	667.562
129.5	695.530	688.194	690.028	690.945	683.609
130.0	710.202	702.866	705.158	706.534	700.573
130.5	724.873	717.079	720.747	721.664	716.620
131.0	739.545	731.292	735.419	736.336	731.292
131.5	753.300	745.047	750.090	750.090	745.505
132.0	767.513	758.802	764.303	764.762	759.260
132.5	781.268	773.015	778.517	778.975	773.015
133.0	795.022	787.228	792.271	793.188	786.311
133.5	808.777	800.983	806.485	807.402	800.524
134.0	822.532	814.279	819.781	821.156	814.279
134.5	834.911	827.575	832.619	833.535	827.575
135.0	847.290	840.413	844.998	845.915	839.496
135.5	859.211	853.709	857.377	857.835	851.417
136.0	871.132	866.088	868.839	870.215	863.796
136.5	883.511	878.009	880.302	882.594	876.634
137.0	894.973	889.930	892.222	894.056	888.554
137.5	906.435	900.934	903.226	904.601	899.100
138.0	917.439	911.937	913.771	914.688	909.186
138.5	928.443	922.483	924.317	924.775	918.815

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	938.988	933.028	934.862	934.862	928.443
139.5	949.534	943.573	944.949	944.490	937.613
140.0	959.620	953.201	955.035	954.577	947.700
140.5	969.249	962.371	964.205	963.747	956.411
141.0	978.877	972.000	973.375	972.458	965.122
141.5	987.588	980.711	982.545	981.169	972.917
142.0	996.758	989.881	991.256	989.422	981.169
142.5	1005.469	998.592	999.967	998.134	988.964
143.0	1014.181	1006.845	1008.220	1006.386	997.217
143.5	1022.434	1015.556	1016.473	1014.639	1005.011
144.0	1030.228	1023.809	1024.267	1021.975	1012.347
144.5	1038.022	1031.603	1032.062	1029.311	1019.683
145.0	1045.358	1039.398	1039.398	1036.188	1026.560
145.5	1053.152	1047.192	1046.734	1043.983	1033.896
146.0	1060.488	1054.528	1054.069	1050.860	1041.232
146.5	1067.824	1061.864	1060.947	1058.196	1048.567
147.0	1074.701	1069.200	1067.366	1065.532	1055.903
147.5	1081.579	1076.077	1074.243	1072.409	1062.781
148.0	1088.456	1082.954	1080.203	1078.828	1070.117
148.5	1095.333	1089.832	1086.164	1085.247	1077.452
149.0	1101.752	1096.709	1092.124	1091.666	1084.788
149.5	1108.171	1103.128	1097.626	1098.084	1091.666
150.0	1114.590	1109.547	1103.586	1104.045	1098.084
150.5	1121.009	1115.966	1109.088	1109.547	1104.503
151.0	1126.969	1121.926	1114.590	1115.049	1110.464
151.5	1133.388	1127.886	1120.550	1120.550	1115.966
152.0	1139.349	1133.847	1126.052	1125.594	1121.467
152.5	1145.309	1139.349	1131.554	1131.096	1126.511
153.0	1151.269	1144.850	1137.056	1136.598	1131.096
153.5	1156.771	1150.352	1142.558	1142.099	1135.222
154.0	1162.273	1155.854	1148.518	1147.601	1139.807
154.5	1168.233	1160.898	1154.020	1152.645	1144.392
155.0	1173.735	1165.941	1159.522	1158.147	1149.435
155.5	1178.779	1170.526	1165.024	1163.649	1154.479
156.0	1183.822	1175.569	1170.984	1168.692	1159.522
156.5	1188.866	1180.613	1176.486	1174.194	1164.566
157.0	1193.909	1185.656	1181.988	1179.696	1169.609
157.5	1198.494	1190.241	1187.032	1184.739	1174.652
158.0	1203.079	1194.826	1192.075	1189.782	1179.696
158.5	1208.122	1199.869	1197.118	1194.826	1185.198
159.0	1212.249	1204.454	1201.703	1199.869	1190.241
159.5	1216.833	1209.039	1206.288	1204.913	1195.284
160.0	1220.960	1213.166	1210.873	1209.498	1200.328
160.5	1225.086	1217.292	1214.999	1214.082	1205.371
161.0	1229.213	1221.418	1219.126	1218.667	1210.415
161.5	1233.339	1226.003	1222.794	1223.252	1215.458
162.0	1237.924	1230.130	1226.462	1227.837	1220.043
162.5	1242.050	1234.256	1230.130	1231.964	1224.169
163.0	1246.177	1238.382	1233.798	1236.090	1228.296
163.5	1250.303	1242.050	1237.465	1240.216	1231.964
164.0	1254.430	1245.718	1240.675	1243.884	1235.632
164.5	1257.639	1249.386	1243.884	1247.552	1239.299
165.0	1261.307	1253.054	1247.094	1251.220	1242.509
165.5	1264.975	1256.264	1250.303	1254.430	1245.718
166.0	1268.643	1259.473	1253.513	1257.639	1248.469
166.5	1272.311	1262.682	1256.722	1260.390	1251.679

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1275.520	1265.433	1259.473	1263.141	1254.430
167.5	1278.730	1268.184	1262.682	1265.892	1257.639
168.0	1281.939	1270.935	1265.433	1268.643	1260.390
168.5	1285.148	1273.686	1268.184	1271.394	1263.599
169.0	1287.899	1275.979	1270.935	1273.686	1266.350
169.5	1290.192	1278.271	1273.228	1275.979	1269.101
170.0	1292.484	1280.564	1275.520	1278.271	1272.311
170.5	1294.777	1282.856	1277.354	1280.564	1274.603
171.0	1297.069	1284.690	1279.188	1282.856	1276.896
171.5	1298.903	1286.524	1281.022	1285.148	1279.188
172.0	1300.737	1288.358	1282.398	1286.982	1281.022
172.5	1302.571	1290.192	1283.773	1288.358	1282.398
173.0	1304.405	1292.026	1285.148	1290.192	1283.315
173.5	1305.781	1293.401	1286.524	1291.109	1284.232
174.0	1307.156	1294.777	1287.899	1292.026	1284.690
174.5	1308.073	1295.694	1288.816	1292.943	1285.148
175.0	1308.990	1297.069	1289.733	1293.401	1285.148
175.5	1309.907	1297.986	1291.109	1293.860	1285.607
176.0	1310.824	1298.903	1292.026	1293.860	1285.607
176.5	1311.282	1299.820	1292.484	1294.318	1285.607
177.0	1311.741	1300.737	1293.401	1294.318	1285.148
177.5	1312.658	1301.654	1294.318	1294.318	1285.148
178.0	1313.116	1301.654	1294.777	1294.318	1285.607
178.5	1313.116	1302.113	1295.235	1294.318	1285.607
179.0	1313.575	1302.571	1295.235	1294.318	1285.607
179.5	1314.033	1302.571	1295.694	1294.318	1285.607
180.0	1297.986	1297.986	1297.986	1297.986	1297.986



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	473.61	N.A.	7.10
0-30	990.15	N.A.	14.90
0-40	1590.69	N.A.	23.90
0-60	2702.94	N.A.	40.60
0-80	3310.06	N.A.	49.70
0-90	3374.21	N.A.	50.70
10-90	3250.59	N.A.	48.80
20-40	1117.08	N.A.	16.80
20-50	1713.24	N.A.	25.70
40-70	1498.79	N.A.	22.50
60-80	607.11	N.A.	9.10
70-80	220.57	N.A.	3.30
80-90	64.15	N.A.	1.00
90-110	187.84	N.A.	2.80
90-120	482.21	N.A.	7.20
90-130	976.87	N.A.	14.70
90-150	2272.12	N.A.	34.10
90-180	3283.82	N.A.	49.30
110-180	3095.98	N.A.	46.50
0-180	6658.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	123.62
10-20	349.99
20-30	516.54
30-40	600.54
40-50	596.16
50-60	516.09
60-70	386.54
70-80	220.57
80-90	64.15
90-100	40.51
100-110	147.33
110-120	294.36
120-130	494.66
130-140	646.82
140-150	648.44
150-160	535.64
160-170	352.96
170-180	123.09

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-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-L8-927U-L12-927D-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	15.5	16.4	16.5	17.4	18.6	15.4	16.3	16.4	17.3	18.5
	3H	17.3	18.1	18.2	19.0	20.3	17.2	18.0	18.1	18.9	20.2
	4H	17.9	18.6	18.9	19.6	20.9	17.8	18.6	18.8	19.5	20.8
	6H	18.3	19.0	19.3	20.0	21.3	18.3	19.0	19.3	19.9	21.2
	8H	18.5	19.1	19.4	20.1	21.4	18.4	19.1	19.4	20.1	21.4
	12H	18.5	19.2	19.5	20.1	21.5	18.5	19.1	19.5	20.1	21.5

### UGR Viewed Endwise

4H	2H	16.1	16.8	17.0	17.8	19.1	16.0	16.7	16.9	17.7	19.0
	3H	18.0	18.6	19.0	19.6	20.9	17.9	18.6	18.9	19.6	20.9
	4H	18.8	19.3	19.7	20.3	21.6	18.7	19.3	19.7	20.3	21.6
	6H	19.3	19.8	20.3	20.8	22.1	19.3	19.8	20.3	20.8	22.1
	8H	19.5	19.9	20.5	21.0	22.3	19.5	19.9	20.5	21.0	22.3
	12H	19.6	20.0	20.6	21.0	22.4	19.6	20.0	20.7	21.1	22.4

8H	4H	19.0	19.5	20.0	20.5	21.8	19.0	19.4	20.0	20.4	21.8
	6H	19.7	20.1	20.7	21.1	22.5	19.7	20.1	20.7	21.1	22.4
	8H	20.0	20.3	21.0	21.3	22.7	20.0	20.3	21.0	21.3	22.7
	12H	20.1	20.4	21.2	21.5	22.9	20.2	20.5	21.2	21.5	22.9

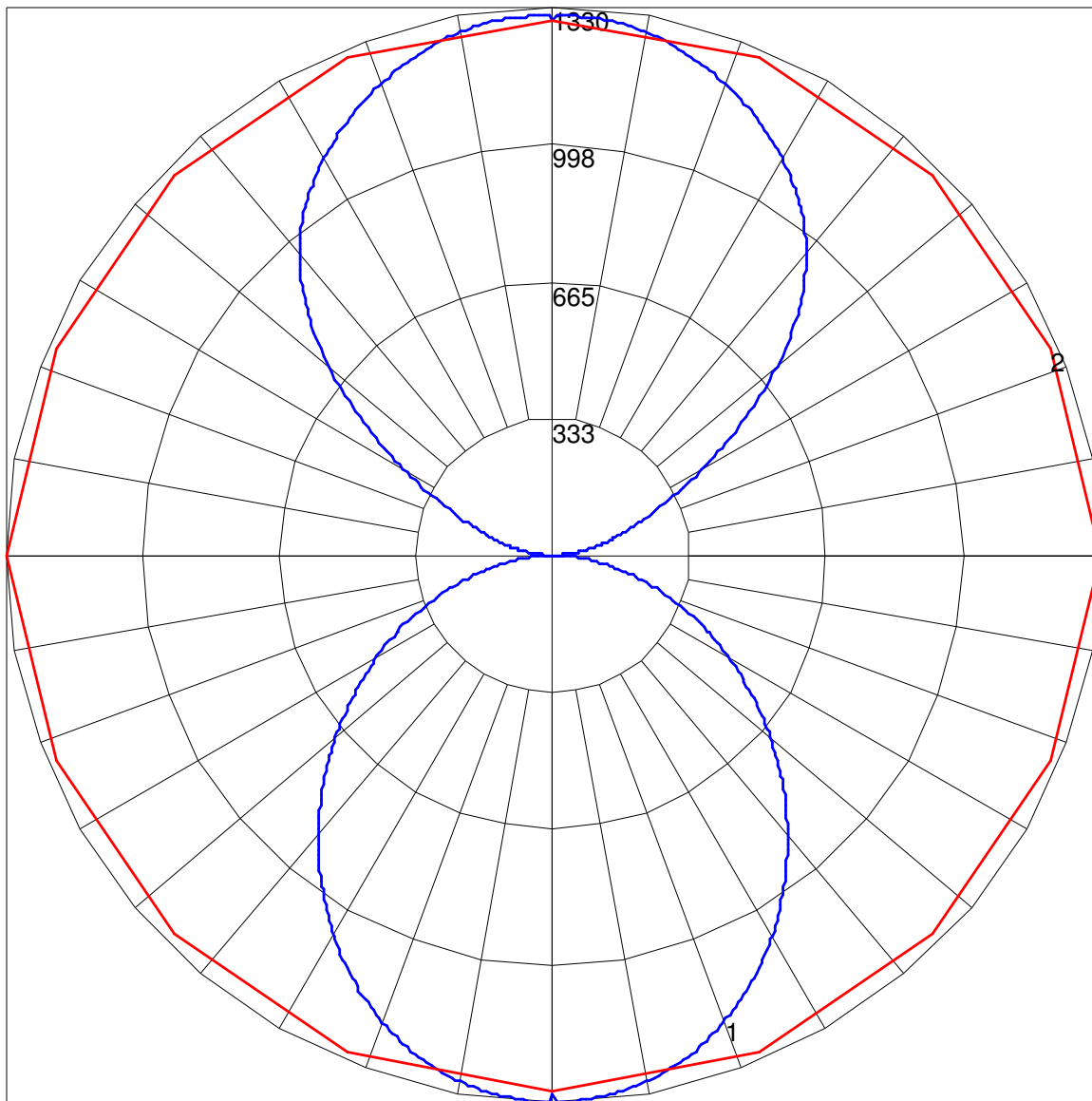
12H	4H	19.0	19.4	20.0	20.4	21.8	18.9	19.4	20.0	20.4	21.7
	6H	19.7	20.1	20.8	21.1	22.5	19.7	20.1	20.8	21.1	22.5
	8H	20.0	20.3	21.1	21.4	22.8	20.0	20.3	21.1	21.4	22.8

Maximum UGR = 22.9

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L12-927D-F-F-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 1330.247 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.)