

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-927U-L8-927D-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-L12-927U-L8-927D-F-F-DIM-UNV_

[LUMINAIRE] White linear extruded luminaire with up and downlight

[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)

[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	6598
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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	8977	8753	8653
55	8252	8052	7968
65	7612	7428	7347
75	6455	6451	6448
85	5041	5244	5396

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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	1302.624	1302.624	1302.624	1302.624	1302.624
0.5	1322.295	1303.717	1297.160	1299.892	1295.521
1.0	1322.295	1303.171	1297.160	1299.892	1295.521
1.5	1321.749	1302.624	1296.614	1299.892	1294.975
2.0	1321.202	1302.078	1296.068	1299.346	1294.975
2.5	1320.656	1301.532	1294.975	1298.800	1294.428
3.0	1319.563	1300.439	1294.428	1298.253	1293.336
3.5	1318.470	1299.346	1293.336	1297.160	1292.243
4.0	1317.377	1298.253	1292.243	1296.068	1291.150
4.5	1316.285	1296.614	1291.150	1294.975	1289.511
5.0	1315.192	1295.521	1289.511	1293.336	1287.872
5.5	1313.553	1293.882	1287.872	1291.696	1286.232
6.0	1311.913	1291.696	1286.232	1290.057	1284.047
6.5	1309.728	1290.057	1284.047	1287.872	1282.408
7.0	1308.088	1287.872	1282.408	1285.686	1280.222
7.5	1306.449	1285.686	1280.222	1283.500	1278.583
8.0	1303.717	1283.500	1277.490	1281.315	1276.397
8.5	1301.532	1280.768	1274.758	1278.583	1273.665
9.0	1298.800	1278.583	1272.572	1275.851	1270.933
9.5	1296.068	1275.851	1269.294	1272.572	1268.201
10.0	1293.336	1273.119	1266.562	1269.840	1264.923
10.5	1290.057	1269.840	1263.283	1266.562	1262.191
11.0	1287.325	1266.562	1260.005	1263.283	1258.366
11.5	1283.500	1263.283	1256.727	1260.005	1255.087
12.0	1280.222	1260.005	1253.448	1256.180	1251.263
12.5	1276.944	1256.180	1249.623	1252.355	1247.438
13.0	1273.119	1252.902	1245.799	1248.531	1243.613
13.5	1269.294	1248.531	1241.974	1244.159	1239.788
14.0	1265.469	1244.706	1237.603	1240.335	1235.963
14.5	1261.644	1240.881	1233.231	1235.963	1231.592
15.0	1257.819	1236.510	1228.860	1231.592	1227.221
15.5	1252.902	1232.685	1224.489	1226.674	1222.303
16.0	1247.438	1228.314	1219.571	1222.303	1217.932
16.5	1241.974	1223.396	1214.654	1217.386	1213.014
17.0	1237.056	1218.478	1209.736	1212.468	1208.097
17.5	1231.592	1213.014	1204.272	1207.004	1202.633
18.0	1226.128	1207.550	1198.808	1201.540	1197.169
18.5	1220.664	1202.086	1193.344	1195.529	1191.705
19.0	1215.200	1196.622	1188.426	1190.065	1185.148
19.5	1209.190	1191.158	1182.962	1183.509	1178.591
20.0	1203.726	1185.148	1178.045	1177.498	1172.034
20.5	1197.715	1179.684	1172.581	1170.941	1165.477
21.0	1191.705	1173.673	1166.570	1164.385	1158.374
21.5	1185.148	1167.663	1160.013	1157.828	1151.271
22.0	1179.137	1161.106	1152.910	1150.724	1144.714
22.5	1172.581	1154.549	1146.353	1143.621	1137.611
23.0	1166.024	1147.992	1139.796	1135.972	1130.508
23.5	1159.467	1141.436	1132.693	1128.868	1123.951
24.0	1152.364	1134.879	1126.136	1121.765	1116.847
24.5	1145.260	1127.776	1119.033	1114.662	1109.744
25.0	1138.704	1120.672	1111.930	1107.559	1102.641
25.5	1131.600	1113.569	1104.280	1100.455	1094.991
26.0	1123.951	1105.919	1097.177	1093.352	1087.888
26.5	1116.847	1098.816	1089.527	1086.249	1080.785

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27.0	1109.198	1091.167	1081.878	1079.146	1073.135
27.5	1101.548	1083.517	1074.774	1072.042	1066.032
28.0	1093.899	1075.321	1066.578	1064.393	1058.382
28.5	1085.703	1067.125	1058.929	1057.290	1050.733
29.0	1077.506	1059.475	1051.279	1049.640	1043.083
29.5	1069.857	1051.279	1043.629	1041.444	1035.980
30.0	1061.661	1043.083	1035.980	1033.794	1028.330
30.5	1053.465	1034.887	1027.784	1026.145	1020.681
31.0	1044.722	1027.237	1019.588	1017.949	1013.031
31.5	1036.526	1019.041	1011.392	1009.753	1004.835
32.0	1027.784	1010.299	1003.196	1001.010	996.639
32.5	1019.041	1002.103	995.000	992.814	987.896
33.0	1010.299	993.907	986.804	984.618	979.154
33.5	1002.103	985.164	978.061	975.876	970.958
34.0	992.814	976.422	969.865	967.133	962.215
34.5	984.072	967.679	960.576	958.391	952.927
35.0	975.329	959.483	951.834	949.648	943.638
35.5	966.040	950.195	943.091	940.906	934.349
36.0	956.751	941.452	934.349	931.617	925.606
36.5	948.009	932.710	925.606	922.874	916.864
37.0	938.720	923.421	916.318	913.586	907.575
37.5	929.431	914.132	907.575	904.297	898.833
38.0	919.596	904.843	898.286	895.008	889.544
38.5	910.307	895.554	888.997	886.265	880.255
39.0	901.565	886.265	879.709	876.977	871.513
39.5	891.729	876.977	870.966	867.688	861.677
40.0	882.441	867.141	861.677	858.399	852.935
40.5	872.605	857.853	852.388	849.110	843.646
41.0	863.317	848.017	843.100	839.275	833.811
41.5	853.481	838.728	833.264	829.986	823.976
42.0	844.192	828.893	823.976	820.697	814.687
42.5	834.904	819.604	814.687	810.862	805.398
43.0	825.068	810.315	805.398	801.573	795.563
43.5	815.779	800.480	795.563	792.284	786.274
44.0	805.944	790.645	785.727	782.449	776.985
44.5	796.109	780.810	775.892	772.614	767.150
45.0	786.274	771.521	766.603	762.778	757.861
45.5	776.985	761.686	756.768	753.490	748.572
46.0	767.150	751.850	746.933	743.654	739.283
46.5	757.314	742.015	737.644	734.365	729.994
47.0	747.479	732.180	727.809	724.530	720.159
47.5	737.097	722.345	717.973	714.695	710.870
48.0	727.262	712.509	708.138	705.406	701.035
48.5	717.427	702.674	698.849	695.571	691.200
49.0	707.045	692.839	689.014	685.736	681.911
49.5	697.210	683.004	679.179	676.447	672.622
50.0	686.828	673.168	669.344	666.612	662.787
50.5	676.447	663.333	659.508	656.776	653.498
51.0	666.065	653.498	649.673	646.941	643.663
51.5	656.230	643.663	639.838	637.652	633.827
52.0	646.395	633.827	630.003	627.817	624.538
52.5	636.013	623.992	620.167	618.528	614.703
53.0	626.178	614.157	610.332	608.693	604.868
53.5	615.796	604.322	600.497	598.858	595.033
54.0	605.961	594.486	591.208	589.569	585.197
54.5	596.126	585.197	581.373	579.733	575.362

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55.0	586.290	575.909	572.084	570.445	566.073
55.5	577.001	566.073	562.249	560.609	556.785
56.0	566.620	556.238	552.413	551.321	546.949
56.5	556.785	546.949	542.851	541.649	537.333
57.0	547.496	537.114	533.180	531.869	527.771
57.5	537.879	527.607	523.563	522.361	518.099
58.0	528.262	518.208	513.892	512.799	508.537
58.5	518.591	508.756	504.384	503.401	499.358
59.0	509.084	499.248	494.822	493.894	490.014
59.5	499.849	489.632	485.096	484.441	480.780
60.0	490.397	480.070	475.480	474.933	471.382
60.5	481.053	470.726	466.191	465.371	461.874
61.0	471.874	461.383	456.957	456.028	452.586
61.5	462.038	452.148	447.777	446.739	443.406
62.0	452.367	442.641	438.270	437.505	434.008
62.5	442.477	433.844	429.309	428.708	425.101
63.0	432.970	426.085	422.424	422.151	419.200
63.5	423.353	417.616	414.720	414.119	411.059
64.0	417.561	409.365	406.742	405.540	402.043
64.5	408.545	400.568	397.727	396.634	393.355
65.0	398.437	391.170	388.820	387.782	384.613
65.5	388.110	381.662	379.531	379.040	375.816
66.0	378.165	372.374	370.461	370.243	366.800
66.5	368.330	362.866	361.227	361.227	358.167
67.0	358.604	353.413	352.102	352.266	349.479
67.5	349.042	344.125	342.922	343.250	340.518
68.0	339.371	334.836	333.743	334.180	331.339
68.5	329.645	325.383	324.509	325.110	322.323
69.0	319.591	315.875	315.220	315.548	312.980
69.5	309.810	306.532	305.767	306.150	303.800
70.0	300.139	297.079	296.533	296.697	294.620
70.5	290.632	287.572	287.189	287.353	285.386
71.0	280.906	278.119	278.010	278.228	276.097
71.5	271.180	268.666	268.885	269.049	267.191
72.0	261.727	259.159	259.596	259.815	258.230
72.5	252.274	249.815	250.526	250.744	249.433
73.0	242.931	240.691	241.674	241.947	240.800
73.5	233.860	231.675	232.822	233.314	232.057
74.0	224.899	222.659	224.080	224.462	223.643
74.5	215.938	213.807	215.392	215.775	215.173
75.0	206.923	205.010	206.814	207.196	206.704
75.5	198.016	196.213	198.290	198.781	198.235
76.0	189.001	187.744	189.875	190.421	189.984
76.5	180.477	179.384	181.515	182.116	181.734
77.0	172.172	170.969	173.319	173.865	173.264
77.5	163.593	162.773	165.123	165.560	164.959
78.0	155.233	154.577	156.927	157.583	156.982
78.5	146.928	146.600	148.840	149.605	149.113
79.0	138.950	138.622	140.917	141.846	141.464
79.5	130.973	130.809	133.104	134.087	133.759
80.0	123.105	123.159	125.290	126.656	126.219
80.5	115.182	115.673	117.859	119.170	118.843
81.0	107.587	108.352	110.483	111.849	111.630
81.5	100.265	101.085	103.270	104.636	104.472
82.0	93.435	93.981	96.222	97.642	97.478
82.5	86.605	87.097	89.282	90.703	90.594

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83.0	79.775	80.540	82.452	83.927	84.037
83.5	73.054	73.983	75.841	77.261	77.589
84.0	66.770	67.535	69.284	70.650	71.142
84.5	60.378	61.197	62.836	64.202	64.694
85.0	54.422	55.077	56.607	57.809	58.247
85.5	48.630	48.958	50.269	51.526	51.963
86.0	42.947	43.057	44.204	45.351	45.898
86.5	37.319	37.319	38.358	39.396	39.887
87.0	31.637	31.637	32.402	33.713	34.096
87.5	26.009	26.063	26.774	28.085	28.577
88.0	20.654	20.599	21.310	22.730	23.277
88.5	15.518	15.190	16.119	17.376	18.141
89.0	10.054	9.890	11.147	12.349	13.168
89.5	4.644	5.519	6.666	7.595	7.868
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.352	1.767	1.631	1.585	1.721
91.0	7.383	3.895	3.171	3.125	3.080
91.5	11.867	7.927	4.711	4.665	4.620
92.0	16.397	13.181	6.794	6.070	6.070
92.5	21.107	18.616	10.508	7.610	7.474
93.0	25.999	23.825	14.857	10.101	9.104
93.5	30.936	28.808	19.522	13.634	11.867
94.0	35.783	33.699	24.686	17.846	15.627
94.5	40.765	38.591	30.076	22.194	19.703
95.0	45.657	43.619	35.375	26.633	23.735
95.5	50.549	48.330	40.539	31.208	27.992
96.0	55.214	53.131	45.612	35.964	32.341
96.5	59.925	57.932	50.685	40.811	36.825
97.0	64.500	62.643	55.713	45.657	41.581
97.5	69.211	67.399	60.786	50.594	46.337
98.0	73.876	72.064	65.723	55.486	51.138
98.5	78.541	76.775	70.479	60.469	55.939
99.0	83.297	81.621	75.325	65.225	60.786
99.5	88.099	86.423	80.217	69.981	65.542
100.0	92.809	91.269	85.109	74.872	70.207
100.5	97.701	96.116	90.001	79.945	74.918
101.0	102.729	100.962	94.983	85.064	80.036
101.5	107.847	105.899	100.056	90.182	85.336
102.0	112.830	111.018	105.129	95.300	90.590
102.5	118.038	116.091	110.384	100.419	95.799
103.0	123.383	121.345	115.593	105.492	101.098
103.5	128.728	126.690	121.119	110.927	106.352
104.0	134.209	132.080	126.735	116.544	111.833
104.5	139.871	137.696	132.352	122.296	117.314
105.0	145.668	143.449	137.923	127.958	122.885
105.5	151.602	149.292	143.675	133.665	128.411
106.0	157.626	155.180	149.518	139.463	133.937
106.5	163.696	161.250	155.633	145.306	139.508
107.0	170.173	167.591	162.156	151.511	145.578
107.5	176.877	174.114	168.769	158.079	152.146
108.0	183.535	180.817	175.518	165.190	158.894
108.5	190.556	187.657	182.267	172.302	165.870
109.0	197.757	194.632	189.197	179.504	172.936
109.5	205.141	201.879	196.489	186.660	180.092
110.0	213.022	209.308	203.963	193.998	187.566
110.5	221.084	216.917	211.618	201.879	195.312

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111.0	229.237	224.889	219.544	210.078	203.102
111.5	237.572	233.087	227.607	218.412	211.119
112.0	246.223	241.512	235.624	226.746	218.774
112.5	254.920	250.164	243.732	235.035	226.882
113.0	264.024	259.087	252.293	243.596	235.352
113.5	273.400	268.417	261.351	252.836	244.457
114.0	282.912	277.929	270.954	262.665	254.557
114.5	292.741	287.758	280.738	272.902	265.292
115.0	302.706	297.859	290.884	283.229	276.163
115.5	313.124	308.051	301.302	293.511	286.898
116.0	323.632	318.650	312.082	304.336	297.814
116.5	334.729	329.520	323.224	315.434	309.455
117.0	346.279	340.618	334.457	327.391	321.458
117.5	354.795	349.269	344.739	338.398	333.642
118.0	365.666	359.370	355.293	349.767	344.468
118.5	378.303	371.418	366.073	360.321	354.206
119.0	390.668	383.285	378.303	372.279	365.031
119.5	403.170	395.923	391.257	384.418	377.171
120.0	416.079	409.013	404.257	397.689	389.989
120.5	428.897	422.284	417.664	411.776	403.668
121.0	442.350	435.827	431.162	425.817	418.208
121.5	455.667	449.235	444.615	440.040	432.430
122.0	469.708	462.914	458.837	454.308	446.698
122.5	483.296	476.502	472.879	468.349	460.196
123.0	497.338	490.997	487.373	483.749	475.143
123.5	511.832	505.491	502.773	499.150	490.544
124.0	526.327	520.438	517.721	514.550	506.397
124.5	540.821	534.933	532.668	529.497	521.797
125.0	555.315	549.427	547.162	544.445	536.744
125.5	570.263	564.374	562.110	559.392	551.239
126.0	584.757	578.869	577.510	574.339	565.733
126.5	599.251	593.363	592.910	590.192	581.133
127.0	614.199	608.310	608.310	606.046	597.440
127.5	629.146	622.805	622.805	621.446	613.746
128.0	643.640	637.299	637.752	636.846	629.146
128.5	658.135	651.340	652.246	652.246	644.093
129.0	672.629	665.382	666.741	667.194	659.494
129.5	687.123	679.876	681.688	682.594	675.347
130.0	701.618	694.371	696.635	697.994	692.106
130.5	716.112	708.412	712.036	712.942	707.959
131.0	730.607	722.453	726.530	727.436	722.453
131.5	744.195	736.042	741.024	741.024	736.495
132.0	758.236	749.630	755.066	755.519	750.083
132.5	771.825	763.672	769.107	769.560	763.672
133.0	785.413	777.713	782.696	783.602	776.807
133.5	799.002	791.302	796.737	797.643	790.849
134.0	812.590	804.437	809.873	811.231	804.437
134.5	824.820	817.573	822.555	823.461	817.573
135.0	837.050	830.255	834.785	835.691	829.349
135.5	848.826	843.391	847.014	847.467	841.126
136.0	860.603	855.620	858.338	859.697	853.356
136.5	872.832	867.397	869.662	871.927	866.038
137.0	884.156	879.174	881.438	883.250	877.815
137.5	895.480	890.045	892.309	893.668	888.233
138.0	906.351	900.915	902.727	903.633	898.198
138.5	917.221	911.333	913.145	913.598	907.710

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

139.0	927.639	921.751	923.563	923.563	917.221
139.5	938.057	932.169	933.528	933.075	926.280
140.0	948.022	941.681	943.492	943.040	936.245
140.5	957.534	950.740	952.551	952.099	944.851
141.0	967.046	960.252	961.610	960.705	953.457
141.5	975.652	968.858	970.669	969.311	961.157
142.0	984.711	977.917	979.275	977.464	969.311
142.5	993.317	986.523	987.881	986.070	977.011
143.0	1001.923	994.676	996.035	994.223	985.164
143.5	1010.076	1003.282	1004.188	1002.376	992.864
144.0	1017.776	1011.435	1011.888	1009.623	1000.111
144.5	1025.476	1019.135	1019.588	1016.870	1007.358
145.0	1032.723	1026.835	1026.835	1023.664	1014.153
145.5	1040.424	1034.535	1034.082	1031.365	1021.400
146.0	1047.671	1041.782	1041.329	1038.159	1028.647
146.5	1054.918	1049.030	1048.124	1045.406	1035.894
147.0	1061.712	1056.277	1054.465	1052.653	1043.141
147.5	1068.506	1063.071	1061.259	1059.447	1049.935
148.0	1075.301	1069.865	1067.148	1065.789	1057.183
148.5	1082.095	1076.659	1073.036	1072.130	1064.430
149.0	1088.436	1083.454	1078.924	1078.471	1071.677
149.5	1094.777	1089.795	1084.360	1084.813	1078.471
150.0	1101.119	1096.136	1090.248	1090.701	1084.813
150.5	1107.460	1102.478	1095.683	1096.136	1091.154
151.0	1113.348	1108.366	1101.119	1101.572	1097.042
151.5	1119.690	1114.254	1107.007	1107.007	1102.478
152.0	1125.578	1120.143	1112.442	1111.989	1107.913
152.5	1131.466	1125.578	1117.878	1117.425	1112.895
153.0	1137.355	1131.013	1123.313	1122.860	1117.425
153.5	1142.790	1136.449	1128.749	1128.296	1121.501
154.0	1148.225	1141.884	1134.637	1133.731	1126.031
154.5	1154.114	1146.867	1140.072	1138.713	1130.560
155.0	1159.549	1151.849	1145.508	1144.149	1135.543
155.5	1164.532	1156.378	1150.943	1149.584	1140.525
156.0	1169.514	1161.361	1156.831	1154.567	1145.508
156.5	1174.496	1166.343	1162.267	1160.002	1150.490
157.0	1179.479	1171.326	1167.702	1165.437	1155.473
157.5	1184.008	1175.855	1172.685	1170.420	1160.455
158.0	1188.538	1180.385	1177.667	1175.402	1165.437
158.5	1193.520	1185.367	1182.649	1180.385	1170.873
159.0	1197.597	1189.897	1187.179	1185.367	1175.855
159.5	1202.126	1194.426	1191.708	1190.350	1180.838
160.0	1206.203	1198.503	1196.238	1194.879	1185.820
160.5	1210.279	1202.579	1200.315	1199.409	1190.803
161.0	1214.356	1206.656	1204.391	1203.938	1195.785
161.5	1218.432	1211.185	1208.015	1208.468	1200.767
162.0	1222.962	1215.262	1211.638	1212.997	1205.297
162.5	1227.038	1219.338	1215.262	1217.074	1209.373
163.0	1231.115	1223.415	1218.885	1221.150	1213.450
163.5	1235.192	1227.038	1222.509	1225.227	1217.074
164.0	1239.268	1230.662	1225.680	1228.850	1220.697
164.5	1242.439	1234.286	1228.850	1232.474	1224.321
165.0	1246.062	1237.909	1232.021	1236.097	1227.491
165.5	1249.686	1241.080	1235.192	1239.268	1230.662
166.0	1253.310	1244.251	1238.362	1242.439	1233.380
166.5	1256.933	1247.421	1241.533	1245.156	1236.550

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

167.0	1260.104	1250.139	1244.251	1247.874	1239.268
167.5	1263.274	1252.857	1247.421	1250.592	1242.439
168.0	1266.445	1255.574	1250.139	1253.310	1245.156
168.5	1269.616	1258.292	1252.857	1256.027	1248.327
169.0	1272.333	1260.557	1255.574	1258.292	1251.045
169.5	1274.598	1262.821	1257.839	1260.557	1253.762
170.0	1276.863	1265.086	1260.104	1262.821	1256.933
170.5	1279.128	1267.351	1261.916	1265.086	1259.198
171.0	1281.392	1269.163	1263.727	1267.351	1261.463
171.5	1283.204	1270.975	1265.539	1269.616	1263.727
172.0	1285.016	1272.786	1266.898	1271.427	1265.539
172.5	1286.828	1274.598	1268.257	1272.786	1266.898
173.0	1288.640	1276.410	1269.616	1274.598	1267.804
173.5	1289.998	1277.769	1270.975	1275.504	1268.710
174.0	1291.357	1279.128	1272.333	1276.410	1269.163
174.5	1292.263	1280.034	1273.239	1277.316	1269.616
175.0	1293.169	1281.392	1274.145	1277.769	1269.616
175.5	1294.075	1282.298	1275.504	1278.222	1270.069
176.0	1294.981	1283.204	1276.410	1278.222	1270.069
176.5	1295.434	1284.110	1276.863	1278.675	1270.069
177.0	1295.887	1285.016	1277.769	1278.675	1269.616
177.5	1296.793	1285.922	1278.675	1278.675	1269.616
178.0	1297.246	1285.922	1279.128	1278.675	1270.069
178.5	1297.246	1286.375	1279.581	1278.675	1270.069
179.0	1297.699	1286.828	1279.581	1278.675	1270.069
179.5	1298.151	1286.828	1280.034	1278.675	1270.069
180.0	1282.298	1282.298	1282.298	1282.298	1282.298

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

Zone	Lumens	%Lamp	%Fixt
0-20	470.78	N.A.	7.10
0-30	984.23	N.A.	14.90
0-40	1581.18	N.A.	24.00
0-60	2686.79	N.A.	40.70
0-80	3290.27	N.A.	49.90
0-90	3354.03	N.A.	50.80
10-90	3231.15	N.A.	49.00
20-40	1110.41	N.A.	16.80
20-50	1703.00	N.A.	25.80
40-70	1489.83	N.A.	22.60
60-80	603.48	N.A.	9.10
70-80	219.25	N.A.	3.30
80-90	63.77	N.A.	1.00
90-110	185.57	N.A.	2.80
90-120	476.38	N.A.	7.20
90-130	965.06	N.A.	14.60
90-150	2244.66	N.A.	34.00
90-180	3244.13	N.A.	49.20
110-180	3058.56	N.A.	46.40
0-180	6598.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.88
10-20	347.89
20-30	513.46
30-40	596.95
40-50	592.59
50-60	513.01
60-70	384.23
70-80	219.25
80-90	63.77
90-100	40.03
100-110	145.55
110-120	290.81
120-130	488.69
130-140	639.00
140-150	640.60
150-160	529.17
160-170	348.70
170-180	121.60

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L12-927U-L8-927D-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	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-L12-927U-L8-927D-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	18.3	19.1	20.3	17.2	18.0	18.2	19.0	20.2
	4H	17.9	18.7	18.9	19.6	20.9	17.8	18.6	18.8	19.6	20.8
	6H	18.3	19.0	19.3	20.0	21.3	18.3	19.0	19.3	20.0	21.3
	8H	18.5	19.1	19.5	20.1	21.4	18.4	19.1	19.4	20.1	21.4
	12H	18.6	19.2	19.6	20.2	21.5	18.5	19.2	19.5	20.2	21.5

UGR Viewed Endwise

4H	2H	16.1	16.8	17.0	17.8	19.1	16.0	16.7	17.0	17.7	19.0
	3H	18.0	18.7	19.0	19.7	21.0	18.0	18.6	19.0	19.6	20.9
	4H	18.8	19.3	19.8	20.3	21.7	18.7	19.3	19.7	20.3	21.6
	6H	19.3	19.8	20.3	20.8	22.2	19.3	19.8	20.3	20.8	22.1
	8H	19.5	20.0	20.5	21.0	22.3	19.5	20.0	20.5	21.0	22.3
	12H	19.6	20.0	20.6	21.1	22.4	19.6	20.1	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	22.5
	8H	20.0	20.3	21.0	21.3	22.7	20.0	20.3	21.0	21.4	22.7
	12H	20.2	20.5	21.2	21.5	22.9	20.2	20.5	21.2	21.5	22.9

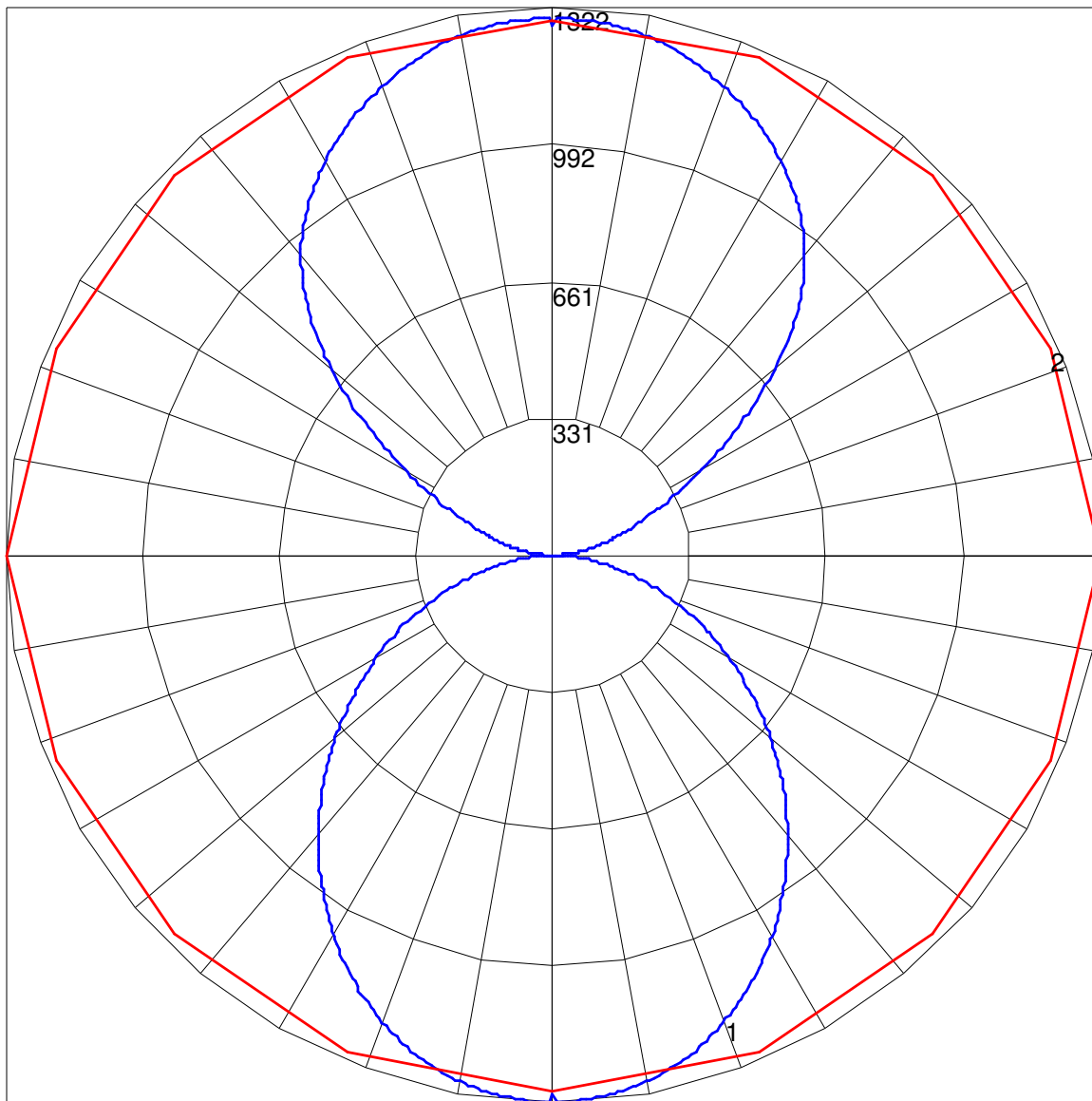
12H	4H	19.0	19.4	20.0	20.5	21.8	19.0	19.4	20.0	20.4	21.8
	6H	19.8	20.1	20.8	21.1	22.5	19.7	20.1	20.8	21.1	22.5
	8H	20.0	20.3	21.1	21.4	22.8	20.1	20.4	21.1	21.4	22.8

Maximum UGR = 22.9

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 1322.295 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.)