

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L15-927D-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-L15-927D-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	7540
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	77.6
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	10228	9972	9859
55	9402	9175	9078
65	8672	8463	8371
75	7354	7350	7346
85	5744	5974	6147

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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	1484.147	1484.147	1484.147	1484.147	1484.147
0.5	1506.559	1485.393	1477.922	1481.035	1476.054
1.0	1506.559	1484.770	1477.922	1481.035	1476.054
1.5	1505.936	1484.147	1477.299	1481.035	1475.432
2.0	1505.314	1483.525	1476.677	1480.412	1475.432
2.5	1504.691	1482.902	1475.432	1479.790	1474.809
3.0	1503.446	1481.657	1474.809	1479.167	1473.564
3.5	1502.201	1480.412	1473.564	1477.922	1472.319
4.0	1500.956	1479.167	1472.319	1476.677	1471.074
4.5	1499.711	1477.299	1471.074	1475.432	1469.206
5.0	1498.466	1476.054	1469.206	1473.564	1467.339
5.5	1496.598	1474.187	1467.339	1471.697	1465.471
6.0	1494.731	1471.697	1465.471	1469.829	1462.981
6.5	1492.241	1469.829	1462.981	1467.339	1461.113
7.0	1490.373	1467.339	1461.113	1464.849	1458.623
7.5	1488.505	1464.849	1458.623	1462.358	1456.755
8.0	1485.393	1462.358	1455.510	1459.868	1454.265
8.5	1482.902	1459.246	1452.398	1456.755	1451.153
9.0	1479.790	1456.755	1449.907	1453.643	1448.040
9.5	1476.677	1453.643	1446.172	1449.907	1444.927
10.0	1473.564	1450.530	1443.059	1446.795	1441.192
10.5	1469.829	1446.795	1439.324	1443.059	1438.079
11.0	1466.716	1443.059	1435.589	1439.324	1433.721
11.5	1462.358	1439.324	1431.854	1435.589	1429.986
12.0	1458.623	1435.589	1428.118	1431.231	1425.628
12.5	1454.888	1431.231	1423.761	1426.873	1421.270
13.0	1450.530	1427.496	1419.403	1422.515	1416.913
13.5	1446.172	1422.515	1415.045	1417.535	1412.555
14.0	1441.814	1418.158	1410.065	1413.177	1408.197
14.5	1437.457	1413.800	1405.084	1408.197	1403.217
15.0	1433.099	1408.819	1400.104	1403.217	1398.236
15.5	1427.496	1404.462	1395.123	1397.614	1392.633
16.0	1421.270	1399.481	1389.521	1392.633	1387.653
16.5	1415.045	1393.878	1383.918	1387.030	1382.050
17.0	1409.442	1388.275	1378.315	1381.427	1376.447
17.5	1403.217	1382.050	1372.089	1375.202	1370.222
18.0	1396.991	1375.825	1365.864	1368.977	1363.996
18.5	1390.766	1369.599	1359.638	1362.129	1357.771
19.0	1384.540	1363.374	1354.036	1355.903	1350.300
19.5	1377.692	1357.148	1347.810	1348.433	1342.830
20.0	1371.467	1350.300	1342.207	1341.585	1335.359
20.5	1364.619	1344.075	1335.982	1334.114	1327.889
21.0	1357.771	1337.227	1329.134	1326.644	1319.796
21.5	1350.300	1330.379	1321.663	1319.173	1311.702
22.0	1343.452	1322.908	1313.570	1311.080	1304.232
22.5	1335.982	1315.438	1306.100	1302.987	1296.139
23.0	1328.511	1307.967	1298.629	1294.271	1288.046
23.5	1321.041	1300.497	1290.536	1286.178	1280.575
24.0	1312.948	1293.026	1283.065	1278.085	1272.482
24.5	1304.854	1284.933	1274.972	1269.992	1264.389
25.0	1297.384	1276.840	1266.879	1261.899	1256.296
25.5	1289.291	1268.747	1258.164	1253.806	1247.580
26.0	1280.575	1260.031	1250.070	1245.713	1239.487
26.5	1272.482	1251.938	1241.355	1237.620	1231.394

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27.0	1263.766	1243.222	1232.639	1229.526	1222.678
27.5	1255.051	1234.507	1224.546	1221.433	1214.585
28.0	1246.335	1225.169	1215.208	1212.718	1205.870
28.5	1236.997	1215.831	1206.492	1204.625	1197.154
29.0	1227.659	1207.115	1197.777	1195.909	1188.439
29.5	1218.943	1197.777	1189.061	1186.571	1180.345
30.0	1209.605	1188.439	1180.345	1177.855	1171.630
30.5	1200.267	1179.100	1171.007	1169.140	1162.914
31.0	1190.306	1170.385	1161.669	1159.801	1154.199
31.5	1180.968	1161.047	1152.331	1150.463	1144.860
32.0	1171.007	1151.086	1142.993	1140.503	1135.522
32.5	1161.047	1141.748	1133.655	1131.164	1125.561
33.0	1151.086	1132.409	1124.316	1121.826	1115.601
33.5	1141.748	1122.449	1114.356	1111.865	1106.263
34.0	1131.164	1112.488	1105.017	1101.905	1096.302
34.5	1121.204	1102.527	1094.434	1091.944	1085.719
35.0	1111.243	1093.189	1084.473	1081.983	1075.135
35.5	1100.660	1082.606	1074.513	1072.023	1064.552
36.0	1090.076	1072.645	1064.552	1061.439	1054.591
36.5	1080.116	1062.684	1054.591	1051.479	1044.631
37.0	1069.532	1052.101	1044.008	1040.895	1034.047
37.5	1058.949	1041.518	1034.047	1030.312	1024.087
38.0	1047.743	1030.935	1023.464	1019.729	1013.503
38.5	1037.160	1020.351	1012.881	1009.768	1002.920
39.0	1027.199	1009.768	1002.298	999.185	992.959
39.5	1015.994	999.185	992.337	988.602	981.754
40.0	1005.410	987.979	981.754	978.018	971.793
40.5	994.204	977.396	971.170	967.435	961.210
41.0	983.621	966.190	960.587	956.229	950.004
41.5	972.415	955.607	949.381	945.646	938.798
42.0	961.832	944.401	938.798	935.063	928.215
42.5	951.249	933.818	928.215	923.857	917.631
43.0	940.043	923.234	917.631	913.274	906.426
43.5	929.460	912.029	906.426	902.690	895.842
44.0	918.254	900.823	895.220	891.485	885.259
44.5	907.048	889.617	884.014	880.279	874.053
45.0	895.842	879.034	873.431	869.073	863.470
45.5	885.259	867.828	862.225	858.490	852.887
46.0	874.053	856.622	851.019	847.284	842.303
46.5	862.847	845.416	840.436	836.701	831.720
47.0	851.642	834.210	829.230	825.495	820.514
47.5	839.813	823.005	818.024	814.289	809.931
48.0	828.607	811.799	806.818	803.706	798.725
48.5	817.402	800.593	796.235	792.500	787.520
49.0	805.573	789.387	785.029	781.294	776.936
49.5	794.367	778.181	773.824	770.711	766.353
50.0	782.539	766.976	762.618	759.505	755.147
50.5	770.711	755.770	751.412	748.299	744.564
51.0	758.882	744.564	740.206	737.093	733.358
51.5	747.677	733.358	729.000	726.510	722.152
52.0	736.471	722.152	717.794	715.304	711.569
52.5	724.642	710.946	706.589	704.721	700.363
53.0	713.437	699.741	695.383	693.515	689.157
53.5	701.608	688.535	684.177	682.309	677.952
54.0	690.402	677.329	673.594	671.726	666.746
54.5	679.197	666.746	662.388	660.520	655.540

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55.0	667.991	656.162	651.805	649.937	644.957
55.5	657.408	644.957	640.599	638.731	634.373
56.0	645.579	633.751	629.393	628.148	623.168
56.5	634.373	623.168	618.499	617.129	612.211
57.0	623.790	611.962	607.479	605.985	601.316
57.5	612.833	601.130	596.523	595.153	590.297
58.0	601.877	590.422	585.504	584.259	579.403
58.5	590.857	579.652	574.671	573.551	568.944
59.0	580.025	568.819	563.777	562.719	558.298
59.5	569.504	557.863	552.695	551.948	547.777
60.0	558.734	546.968	541.739	541.116	537.070
60.5	548.089	536.323	531.155	530.222	526.237
61.0	537.630	525.677	520.634	519.576	515.654
61.5	526.424	515.156	510.176	508.993	505.195
62.0	515.405	504.324	499.343	498.472	494.488
62.5	504.137	494.301	489.134	488.449	484.340
63.0	493.305	485.461	481.290	480.978	477.617
63.5	482.348	475.811	472.512	471.827	468.341
64.0	475.749	466.411	463.423	462.053	458.069
64.5	465.477	456.388	453.151	451.905	448.170
65.0	453.960	445.680	443.003	441.820	438.210
65.5	442.194	434.848	432.420	431.859	428.186
66.0	430.863	424.265	422.086	421.837	417.915
66.5	419.658	413.432	411.565	411.565	408.078
67.0	408.576	402.662	401.168	401.355	398.180
67.5	397.682	392.079	390.709	391.083	387.970
68.0	386.663	381.496	380.250	380.749	377.511
68.5	375.581	370.726	369.730	370.414	367.239
69.0	364.127	359.893	359.146	359.520	356.594
69.5	352.983	349.248	348.376	348.812	346.135
70.0	341.964	338.478	337.855	338.042	335.676
70.5	331.132	327.645	327.210	327.396	325.155
71.0	320.050	316.875	316.751	317.000	314.572
71.5	308.969	306.105	306.354	306.541	304.425
72.0	298.199	295.273	295.771	296.020	294.215
72.5	287.429	284.628	285.437	285.686	284.192
73.0	276.784	274.231	275.352	275.663	274.356
73.5	266.449	263.959	265.266	265.827	264.395
74.0	256.240	253.687	255.306	255.741	254.808
74.5	246.030	243.602	245.407	245.843	245.158
75.0	235.758	233.579	235.633	236.069	235.509
75.5	225.610	223.556	225.922	226.482	225.859
76.0	215.338	213.907	216.334	216.957	216.459
76.5	205.627	204.382	206.810	207.494	207.059
77.0	196.164	194.794	197.471	198.094	197.409
77.5	186.390	185.456	188.133	188.631	187.946
78.0	176.865	176.118	178.795	179.542	178.857
78.5	167.402	167.029	169.581	170.453	169.893
79.0	158.313	157.940	160.554	161.613	161.177
79.5	149.224	149.037	151.652	152.773	152.399
80.0	140.259	140.322	142.750	144.306	143.808
80.5	131.232	131.793	134.283	135.777	135.404
81.0	122.579	123.451	125.879	127.435	127.186
81.5	114.237	115.171	117.661	119.217	119.031
82.0	106.455	107.078	109.630	111.249	111.062
82.5	98.673	99.234	101.724	103.342	103.218

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83.0	90.892	91.763	93.942	95.623	95.747
83.5	83.234	84.293	86.409	88.028	88.401
84.0	76.075	76.947	78.939	80.495	81.055
84.5	68.791	69.725	71.593	73.149	73.709
85.0	62.006	62.752	64.496	65.865	66.363
85.5	55.407	55.780	57.274	58.706	59.204
86.0	48.932	49.057	50.364	51.671	52.294
86.5	42.520	42.520	43.703	44.885	45.446
87.0	36.045	36.045	36.917	38.411	38.847
87.5	29.633	29.695	30.505	31.999	32.559
88.0	23.532	23.470	24.279	25.898	26.520
88.5	17.680	17.307	18.365	19.797	20.669
89.0	11.455	11.268	12.700	14.070	15.003
89.5	5.292	6.288	7.595	8.653	8.965
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.843	2.025	1.869	1.817	1.973
91.0	8.464	4.466	3.635	3.583	3.531
91.5	13.605	9.087	5.400	5.348	5.296
92.0	18.797	15.110	7.789	6.958	6.958
92.5	24.197	21.342	12.047	8.724	8.568
93.0	29.805	27.313	17.032	11.579	10.437
93.5	35.465	33.025	22.380	15.630	13.605
94.0	41.021	38.633	28.300	20.459	17.914
94.5	46.733	44.241	34.479	25.444	22.588
95.0	52.341	50.005	40.554	30.532	27.209
95.5	57.949	55.405	46.474	35.777	32.090
96.0	63.298	60.909	52.289	41.229	37.075
96.5	68.698	66.413	58.105	46.785	42.216
97.0	73.942	71.814	63.869	52.341	47.668
97.5	79.343	77.266	69.685	58.001	53.120
98.0	84.691	82.614	75.344	63.609	58.624
98.5	90.039	88.014	80.797	69.321	64.128
99.0	95.492	93.570	86.353	74.773	69.685
99.5	100.996	99.075	91.961	80.226	75.137
100.0	106.396	104.631	97.569	85.833	80.485
100.5	112.004	110.187	103.177	91.649	85.885
101.0	117.768	115.743	108.889	97.517	91.753
101.5	123.636	121.403	114.704	103.384	97.828
102.0	129.347	127.270	120.520	109.252	103.852
102.5	135.319	133.086	126.543	115.120	109.823
103.0	141.446	139.109	132.515	120.935	115.899
103.5	147.573	145.237	138.850	127.167	121.922
104.0	153.856	151.416	145.289	133.605	128.205
104.5	160.347	157.855	151.727	140.200	134.488
105.0	166.994	164.449	158.114	146.691	140.875
105.5	173.796	171.148	164.709	153.233	147.210
106.0	180.702	177.898	171.407	159.880	153.545
106.5	187.660	184.856	178.417	166.578	159.932
107.0	195.086	192.126	185.895	173.692	166.890
107.5	202.771	199.603	193.476	181.221	174.419
108.0	210.404	207.288	201.213	189.374	182.156
108.5	218.452	215.129	208.950	197.526	190.153
109.0	226.708	223.126	216.894	205.782	198.253
109.5	235.172	231.434	225.255	213.987	206.457
110.0	244.207	239.950	233.822	222.399	215.025
110.5	253.450	248.673	242.598	231.434	223.904

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111.0	262.797	257.812	251.685	240.832	232.836
111.5	272.351	267.211	260.928	250.387	242.027
112.0	282.269	276.869	270.118	259.941	250.802
112.5	292.239	286.787	279.413	269.443	260.097
113.0	302.676	297.016	289.227	279.257	269.807
113.5	313.425	307.713	299.612	289.850	280.244
114.0	324.329	318.617	310.621	301.118	291.824
114.5	335.597	329.885	321.837	312.853	304.130
115.0	347.021	341.465	333.468	324.693	316.592
115.5	358.964	353.148	345.411	336.480	328.899
116.0	371.010	365.299	357.769	348.890	341.413
116.5	383.732	377.761	370.543	361.612	354.758
117.0	396.973	390.483	383.421	375.320	368.518
117.5	406.736	400.401	395.208	387.938	382.486
118.0	419.198	411.980	407.307	400.972	394.896
118.5	433.685	425.792	419.665	413.070	406.060
119.0	447.861	439.397	433.685	426.779	418.471
119.5	462.192	453.884	448.536	440.695	432.387
120.0	476.991	468.891	463.439	455.909	447.082
120.5	491.686	484.105	478.809	472.058	462.764
121.0	507.108	499.631	494.283	488.155	479.432
121.5	522.374	515.001	509.705	504.460	495.736
122.0	538.471	530.683	526.009	520.817	512.093
122.5	554.049	546.260	542.106	536.914	527.567
123.0	570.146	562.877	558.723	554.569	544.703
123.5	586.763	579.493	576.377	572.223	562.357
124.0	603.379	596.628	593.513	589.878	580.531
124.5	619.995	613.245	610.648	607.014	598.186
125.0	636.611	629.861	627.265	624.149	615.322
125.5	653.747	646.997	644.400	641.285	631.938
126.0	670.363	663.613	662.055	658.420	648.554
126.5	686.980	680.229	679.710	676.594	666.209
127.0	704.115	697.365	697.365	694.768	684.903
127.5	721.251	713.981	713.981	712.423	703.596
128.0	737.867	730.597	731.117	730.078	721.251
128.5	754.483	746.694	747.733	747.733	738.386
129.0	771.099	762.791	764.349	764.868	756.041
129.5	787.716	779.408	781.485	782.523	774.215
130.0	804.332	796.024	798.620	800.178	793.428
130.5	820.948	812.121	816.275	817.314	811.602
131.0	837.565	828.218	832.891	833.930	828.218
131.5	853.142	843.796	849.508	849.508	844.315
132.0	869.239	859.374	865.605	866.124	859.893
132.5	884.817	875.471	881.702	882.221	875.471
133.0	900.395	891.568	897.279	898.318	890.529
133.5	915.973	907.145	913.376	914.415	906.626
134.0	931.550	922.204	928.435	929.993	922.204
134.5	945.570	937.262	942.974	944.013	937.262
135.0	959.590	951.802	956.994	958.033	950.763
135.5	973.091	966.860	971.014	971.533	964.264
136.0	986.592	980.880	983.996	985.553	978.284
136.5	1000.612	994.381	996.977	999.573	992.823
137.0	1013.593	1007.882	1010.478	1012.555	1006.324
137.5	1026.575	1020.344	1022.940	1024.498	1018.267
138.0	1039.037	1032.806	1034.883	1035.922	1029.690
138.5	1051.499	1044.749	1046.826	1047.345	1040.595

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L15-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1063.442	1056.692	1058.769	1058.769	1051.499
139.5	1075.385	1068.635	1070.193	1069.673	1061.884
140.0	1086.809	1079.539	1081.616	1081.097	1073.308
140.5	1097.713	1089.924	1092.002	1091.482	1083.174
141.0	1108.618	1100.829	1102.387	1101.348	1093.040
141.5	1118.484	1110.695	1112.772	1111.214	1101.867
142.0	1128.869	1121.080	1122.638	1120.561	1111.214
142.5	1138.735	1130.946	1132.504	1130.427	1120.041
143.0	1148.601	1140.293	1141.850	1139.773	1129.388
143.5	1157.947	1150.159	1151.197	1149.120	1138.216
144.0	1166.775	1159.505	1160.024	1157.428	1146.524
144.5	1175.602	1168.333	1168.852	1165.736	1154.832
145.0	1183.910	1177.160	1177.160	1173.525	1162.621
145.5	1192.738	1185.987	1185.468	1182.353	1170.929
146.0	1201.046	1194.296	1193.776	1190.141	1179.237
146.5	1209.354	1202.604	1201.565	1198.450	1187.545
147.0	1217.143	1210.912	1208.835	1206.758	1195.853
147.5	1224.932	1218.701	1216.624	1214.547	1203.642
148.0	1232.721	1226.490	1223.374	1221.816	1211.950
148.5	1240.510	1234.278	1230.124	1229.086	1220.258
149.0	1247.779	1242.067	1236.875	1236.355	1228.567
149.5	1255.049	1249.337	1243.106	1243.625	1236.355
150.0	1262.318	1256.607	1249.856	1250.375	1243.625
150.5	1269.588	1263.876	1256.087	1256.607	1250.895
151.0	1276.338	1270.627	1262.318	1262.838	1257.645
151.5	1283.608	1277.377	1269.069	1269.069	1263.876
152.0	1290.358	1284.127	1275.300	1274.781	1270.107
152.5	1297.109	1290.358	1281.531	1281.012	1275.819
153.0	1303.859	1296.590	1287.762	1287.243	1281.012
153.5	1310.090	1302.821	1293.993	1293.474	1285.685
154.0	1316.321	1309.052	1300.744	1299.705	1290.878
154.5	1323.072	1314.764	1306.975	1305.417	1296.070
155.0	1329.303	1320.475	1313.206	1311.648	1301.782
155.5	1335.015	1325.668	1319.437	1317.879	1307.494
156.0	1340.727	1331.380	1326.187	1323.591	1313.206
156.5	1346.438	1337.092	1332.418	1329.822	1318.918
157.0	1352.150	1342.804	1338.649	1336.053	1324.629
157.5	1357.343	1347.996	1344.361	1341.765	1330.341
158.0	1362.535	1353.189	1350.073	1347.477	1336.053
158.5	1368.247	1358.901	1355.785	1353.189	1342.284
159.0	1372.921	1364.093	1360.978	1358.901	1347.996
159.5	1378.113	1369.286	1366.170	1364.612	1353.708
160.0	1382.786	1373.959	1371.363	1369.805	1359.420
160.5	1387.460	1378.632	1376.036	1374.998	1365.132
161.0	1392.133	1383.306	1380.709	1380.190	1370.844
161.5	1396.806	1388.498	1384.864	1385.383	1376.555
162.0	1401.999	1393.172	1389.018	1390.575	1381.748
162.5	1406.672	1397.845	1393.172	1395.249	1386.421
163.0	1411.346	1402.518	1397.326	1399.922	1391.095
163.5	1416.019	1406.672	1401.480	1404.595	1395.249
164.0	1420.692	1410.826	1405.115	1408.749	1399.403
164.5	1424.327	1414.981	1408.749	1412.904	1403.557
165.0	1428.481	1419.135	1412.384	1417.058	1407.192
165.5	1432.635	1422.769	1416.019	1420.692	1410.826
166.0	1436.789	1426.404	1419.654	1424.327	1413.942
166.5	1440.943	1430.039	1423.289	1427.443	1417.577

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L15-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1444.578	1433.155	1426.404	1430.558	1420.692
167.5	1448.213	1436.270	1430.039	1433.674	1424.327
168.0	1451.848	1439.386	1433.155	1436.789	1427.443
168.5	1455.483	1442.501	1436.270	1439.905	1431.078
169.0	1458.598	1445.098	1439.386	1442.501	1434.193
169.5	1461.195	1447.694	1441.982	1445.098	1437.309
170.0	1463.791	1450.290	1444.578	1447.694	1440.943
170.5	1466.387	1452.886	1446.655	1450.290	1443.540
171.0	1468.983	1454.963	1448.732	1452.886	1446.136
171.5	1471.061	1457.041	1450.809	1455.483	1448.732
172.0	1473.138	1459.118	1452.367	1457.560	1450.809
172.5	1475.215	1461.195	1453.925	1459.118	1452.367
173.0	1477.292	1463.272	1455.483	1461.195	1453.406
173.5	1478.849	1464.829	1457.041	1462.233	1454.444
174.0	1480.407	1466.387	1458.598	1463.272	1454.963
174.5	1481.446	1467.426	1459.637	1464.310	1455.483
175.0	1482.484	1468.983	1460.675	1464.829	1455.483
175.5	1483.523	1470.022	1462.233	1465.349	1456.002
176.0	1484.561	1471.061	1463.272	1465.349	1456.002
176.5	1485.081	1472.099	1463.791	1465.868	1456.002
177.0	1485.600	1473.138	1464.829	1465.868	1455.483
177.5	1486.638	1474.176	1465.868	1465.868	1455.483
178.0	1487.158	1474.176	1466.387	1465.868	1456.002
178.5	1487.158	1474.695	1466.906	1465.868	1456.002
179.0	1487.677	1475.215	1466.906	1465.868	1456.002
179.5	1488.196	1475.215	1467.426	1465.868	1456.002
180.0	1470.022	1470.022	1470.022	1470.022	1470.022

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L15-927D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	536.38	N.A.	7.10
0-30	1121.39	N.A.	14.90
0-40	1801.52	N.A.	23.90
0-60	3061.19	N.A.	40.60
0-80	3748.77	N.A.	49.70
0-90	3821.43	N.A.	50.70
10-90	3681.42	N.A.	48.80
20-40	1265.14	N.A.	16.80
20-50	1940.32	N.A.	25.70
40-70	1697.45	N.A.	22.50
60-80	687.58	N.A.	9.10
70-80	249.80	N.A.	3.30
80-90	72.65	N.A.	1.00
90-110	212.74	N.A.	2.80
90-120	546.12	N.A.	7.20
90-130	1106.34	N.A.	14.70
90-150	2573.27	N.A.	34.10
90-180	3719.06	N.A.	49.30
110-180	3506.32	N.A.	46.50
0-180	7540.48	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.01
10-20	396.37
20-30	585.01
30-40	680.14
40-50	675.17
50-60	584.50
60-70	437.78
70-80	249.80
80-90	72.65
90-100	45.88
100-110	166.85
110-120	333.38
120-130	560.23
130-140	732.55
140-150	734.38
150-160	606.63
160-170	399.75
170-180	139.41

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-927U-L15-927D-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-L15-927D-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	15.9	16.8	16.9	17.8	19.0	15.8	16.7	16.8	17.7	18.9
	3H	17.7	18.5	18.6	19.4	20.7	17.6	18.4	18.5	19.3	20.6
	4H	18.3	19.0	19.3	20.0	21.3	18.2	19.0	19.2	19.9	21.2
	6H	18.7	19.4	19.7	20.4	21.7	18.7	19.4	19.7	20.3	21.6
	8H	18.9	19.5	19.8	20.5	21.8	18.8	19.5	19.8	20.5	21.8
	12H	18.9	19.6	19.9	20.5	21.9	18.9	19.5	19.9	20.5	21.9

UGR Viewed Endwise

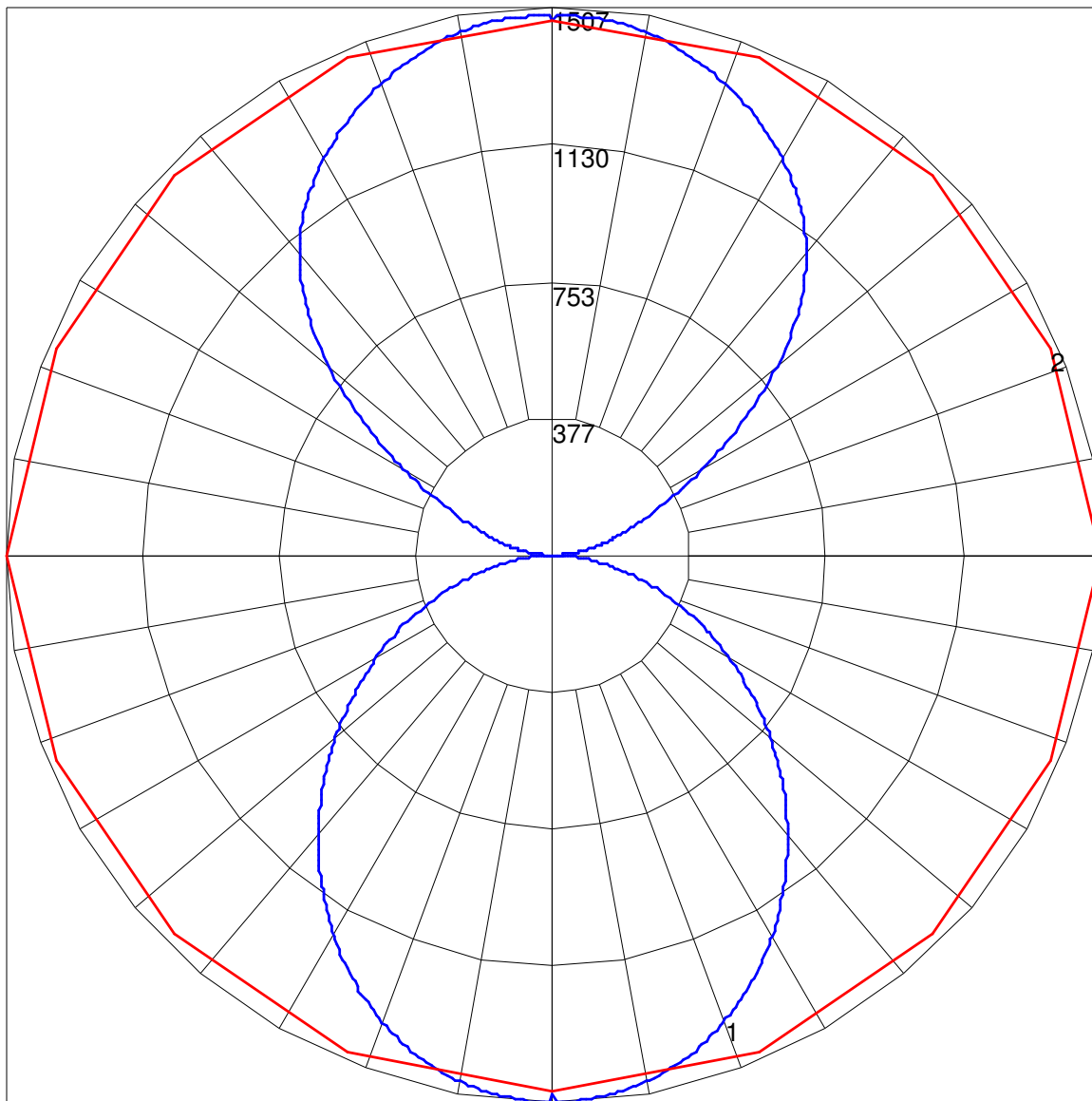
4H	2H	16.4	17.2	17.4	18.2	19.5	16.4	17.1	17.3	18.1	19.4
	3H	18.4	19.0	19.4	20.0	21.3	18.3	19.0	19.3	20.0	21.3
	4H	19.2	19.7	20.1	20.7	22.0	19.1	19.7	20.1	20.7	22.0
	6H	19.7	20.2	20.7	21.2	22.5	19.7	20.2	20.7	21.2	22.5
	8H	19.9	20.3	20.9	21.4	22.7	19.9	20.3	20.9	21.4	22.7
	12H	20.0	20.4	21.0	21.4	22.8	20.0	20.4	21.1	21.5	22.8

8H	4H	19.4	19.9	20.4	20.9	22.2	19.4	19.8	20.4	20.8	22.2
	6H	20.1	20.5	21.1	21.5	22.9	20.1	20.5	21.1	21.5	22.8
	8H	20.4	20.7	21.4	21.7	23.1	20.4	20.7	21.4	21.7	23.1
	12H	20.5	20.8	21.6	21.9	23.3	20.6	20.9	21.6	21.9	23.3

12H	4H	19.4	19.8	20.4	20.8	22.2	19.3	19.8	20.4	20.8	22.1
	6H	20.1	20.5	21.2	21.5	22.9	20.1	20.5	21.2	21.5	22.9
	8H	20.4	20.7	21.5	21.8	23.2	20.4	20.7	21.5	21.8	23.2

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 1506.559 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.)