

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-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-L15-927U-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	7573
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	78.9
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	10177	9922	9809
55	9355	9128	9032
65	8628	8420	8329
75	7317	7313	7309
85	5715	5944	6116

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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	1476.653	1476.653	1476.653	1476.653	1476.653
0.5	1498.951	1477.891	1470.459	1473.556	1468.600
1.0	1498.951	1477.272	1470.459	1473.556	1468.600
1.5	1498.332	1476.653	1469.839	1473.556	1467.981
2.0	1497.712	1476.033	1469.220	1472.936	1467.981
2.5	1497.093	1475.414	1467.981	1472.317	1467.362
3.0	1495.854	1474.175	1467.362	1471.697	1466.123
3.5	1494.615	1472.936	1466.123	1470.459	1464.884
4.0	1493.376	1471.697	1464.884	1469.220	1463.645
4.5	1492.138	1469.839	1463.645	1467.981	1461.787
5.0	1490.899	1468.600	1461.787	1466.123	1459.929
5.5	1489.041	1466.742	1459.929	1464.265	1458.071
6.0	1487.182	1464.265	1458.071	1462.406	1455.593
6.5	1484.705	1462.406	1455.593	1459.929	1453.735
7.0	1482.847	1459.929	1453.735	1457.451	1451.257
7.5	1480.988	1457.451	1451.257	1454.974	1449.399
8.0	1477.891	1454.974	1448.160	1452.496	1446.921
8.5	1475.414	1451.877	1445.063	1449.399	1443.824
9.0	1472.317	1449.399	1442.586	1446.302	1440.727
9.5	1469.220	1446.302	1438.869	1442.586	1437.630
10.0	1466.123	1443.205	1435.772	1439.489	1433.914
10.5	1462.406	1439.489	1432.056	1435.772	1430.817
11.0	1459.309	1435.772	1428.339	1432.056	1426.481
11.5	1454.974	1432.056	1424.623	1428.339	1422.765
12.0	1451.257	1428.339	1420.907	1424.004	1418.429
12.5	1447.541	1424.004	1416.571	1419.668	1414.093
13.0	1443.205	1420.287	1412.235	1415.332	1409.757
13.5	1438.869	1415.332	1407.899	1410.377	1405.421
14.0	1434.533	1410.996	1402.944	1406.041	1401.086
14.5	1430.198	1406.660	1397.989	1401.086	1396.130
15.0	1425.862	1401.705	1393.033	1396.130	1391.175
15.5	1420.287	1397.369	1388.078	1390.556	1385.601
16.0	1414.093	1392.414	1382.504	1385.601	1380.645
16.5	1407.899	1386.839	1376.929	1380.026	1375.071
17.0	1402.324	1381.265	1371.354	1374.451	1369.496
17.5	1396.130	1375.071	1365.160	1368.257	1363.302
18.0	1389.936	1368.877	1358.966	1362.063	1357.108
18.5	1383.742	1362.683	1352.772	1355.250	1350.914
19.0	1377.548	1356.489	1347.198	1349.056	1343.481
19.5	1370.735	1350.295	1341.004	1341.623	1336.049
20.0	1364.541	1343.481	1335.429	1334.810	1328.616
20.5	1357.728	1337.287	1329.235	1327.377	1321.183
21.0	1350.914	1330.474	1322.422	1319.944	1313.131
21.5	1343.481	1323.661	1314.989	1312.511	1305.078
22.0	1336.668	1316.228	1306.937	1304.459	1297.646
22.5	1329.235	1308.795	1299.504	1296.407	1289.593
23.0	1321.802	1301.362	1292.071	1287.735	1281.541
23.5	1314.370	1293.929	1284.019	1279.683	1274.108
24.0	1306.317	1286.496	1276.586	1271.631	1266.056
24.5	1298.265	1278.444	1268.534	1263.579	1258.004
25.0	1290.832	1270.392	1260.482	1255.526	1249.952
25.5	1282.780	1262.340	1251.810	1247.474	1241.280
26.0	1274.108	1253.668	1243.758	1239.422	1233.228
26.5	1266.056	1245.616	1235.086	1231.370	1225.176

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27.0	1257.385	1236.944	1226.415	1223.318	1216.504
27.5	1248.713	1228.273	1218.362	1215.265	1208.452
28.0	1240.041	1218.982	1209.071	1206.594	1199.780
28.5	1230.750	1209.691	1200.400	1198.541	1191.109
29.0	1221.459	1201.019	1191.728	1189.870	1182.437
29.5	1212.788	1191.728	1183.056	1180.579	1174.385
30.0	1203.497	1182.437	1174.385	1171.907	1165.713
30.5	1194.206	1173.146	1165.094	1163.236	1157.042
31.0	1184.295	1164.474	1155.803	1153.945	1148.370
31.5	1175.004	1155.183	1146.512	1144.654	1139.079
32.0	1165.094	1145.273	1137.221	1134.743	1129.788
32.5	1155.183	1135.982	1127.930	1125.452	1119.878
33.0	1145.273	1126.691	1118.639	1116.161	1109.967
33.5	1135.982	1116.781	1108.728	1106.251	1100.676
34.0	1125.452	1106.870	1099.437	1096.340	1090.766
34.5	1115.542	1096.960	1088.907	1086.430	1080.236
35.0	1105.631	1087.669	1078.997	1076.519	1069.706
35.5	1095.101	1077.139	1069.087	1066.609	1059.176
36.0	1084.572	1067.228	1059.176	1056.079	1049.266
36.5	1074.661	1057.318	1049.266	1046.169	1039.355
37.0	1064.131	1046.788	1038.736	1035.639	1028.826
37.5	1053.602	1036.258	1028.826	1025.109	1018.915
38.0	1042.452	1025.729	1018.296	1014.579	1008.385
38.5	1031.923	1015.199	1007.766	1004.669	997.855
39.0	1022.012	1004.669	997.236	994.139	987.945
39.5	1010.863	994.139	987.326	983.609	976.796
40.0	1000.333	982.990	976.796	973.079	966.885
40.5	989.184	972.460	966.266	962.550	956.356
41.0	978.654	961.311	955.736	951.400	945.206
41.5	967.505	950.781	944.587	940.871	934.057
42.0	956.975	939.632	934.057	930.341	923.527
42.5	946.445	929.102	923.527	919.191	912.997
43.0	935.296	918.572	912.997	908.662	901.848
43.5	924.766	907.423	901.848	898.132	891.318
44.0	913.617	896.274	890.699	886.983	880.789
44.5	902.468	885.124	879.550	875.833	869.639
45.0	891.318	874.595	869.020	864.684	859.110
45.5	880.789	863.445	857.871	854.154	848.580
46.0	869.639	852.296	846.722	843.005	838.050
46.5	858.490	841.147	836.192	832.475	827.520
47.0	847.341	829.998	825.042	821.326	816.371
47.5	835.572	818.848	813.893	810.177	805.841
48.0	824.423	807.699	802.744	799.647	794.692
48.5	813.274	796.550	792.214	788.498	783.543
49.0	801.505	785.401	781.065	777.349	773.013
49.5	790.356	774.252	769.916	766.819	762.483
50.0	778.587	763.102	758.767	755.670	751.334
50.5	766.819	751.953	747.617	744.520	740.804
51.0	755.050	740.804	736.468	733.371	729.655
51.5	743.901	729.655	725.319	722.841	718.505
52.0	732.752	718.505	714.170	711.692	707.976
52.5	720.983	707.356	703.020	701.162	696.826
53.0	709.834	696.207	691.871	690.013	685.677
53.5	698.065	685.058	680.722	678.864	674.528
54.0	686.916	673.909	670.192	668.334	663.379
54.5	675.767	663.379	659.043	657.185	652.230

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55.0	664.618	652.849	648.513	646.655	641.700
55.5	654.088	641.700	637.364	635.506	631.170
56.0	642.319	630.550	626.215	624.976	620.021
56.5	631.170	620.021	615.375	614.012	609.119
57.0	620.640	608.871	604.412	602.925	598.280
57.5	609.739	598.094	593.510	592.148	587.316
58.0	598.837	587.440	582.547	581.308	576.477
58.5	587.874	576.725	571.769	570.654	566.071
59.0	577.096	565.947	560.930	559.877	555.479
59.5	566.628	555.045	549.904	549.161	545.011
60.0	555.913	544.206	539.003	538.384	534.357
60.5	545.321	533.614	528.473	527.544	523.580
61.0	534.915	523.022	518.005	516.952	513.050
61.5	523.766	512.555	507.599	506.422	502.644
62.0	512.802	501.777	496.822	495.955	491.990
62.5	501.591	491.805	486.664	485.982	481.894
63.0	490.814	483.009	478.859	478.549	475.205
63.5	479.912	473.408	470.126	469.444	465.976
64.0	473.346	464.055	461.082	459.720	455.755
64.5	463.126	454.083	450.862	449.623	445.907
65.0	451.667	443.429	440.766	439.589	435.997
65.5	439.961	432.652	430.236	429.679	426.024
66.0	428.688	422.122	419.954	419.706	415.804
66.5	417.538	411.344	409.486	409.486	406.018
67.0	406.513	400.629	399.142	399.328	396.169
67.5	395.674	390.099	388.736	389.108	386.011
68.0	384.710	379.569	378.330	378.826	375.605
68.5	373.685	368.853	367.862	368.544	365.385
69.0	362.288	358.076	357.333	357.704	354.793
69.5	351.201	347.484	346.617	347.051	344.387
70.0	340.237	336.768	336.149	336.335	333.981
70.5	329.460	325.991	325.557	325.743	323.513
71.0	318.434	315.275	315.151	315.399	312.983
71.5	307.409	304.560	304.807	304.993	302.887
72.0	296.693	293.782	294.278	294.525	292.729
72.5	285.978	283.190	283.995	284.243	282.757
73.0	275.386	272.846	273.961	274.271	272.970
73.5	265.104	262.626	263.927	264.484	263.060
74.0	254.946	252.406	254.016	254.450	253.521
74.5	244.787	242.372	244.168	244.602	243.920
75.0	234.567	232.399	234.443	234.877	234.320
75.5	224.471	222.427	224.781	225.338	224.719
76.0	214.251	212.826	215.242	215.861	215.366
76.5	204.588	203.349	205.765	206.446	206.013
77.0	195.173	193.811	196.474	197.093	196.412
77.5	185.449	184.520	187.183	187.679	186.997
78.0	175.972	175.229	177.892	178.635	177.954
78.5	166.557	166.185	168.725	169.592	169.035
79.0	157.514	157.142	159.744	160.797	160.363
79.5	148.470	148.285	150.886	152.001	151.629
80.0	139.551	139.613	142.029	143.577	143.082
80.5	130.570	131.127	133.605	135.091	134.720
81.0	121.960	122.827	125.243	126.791	126.544
81.5	113.660	114.589	117.067	118.615	118.430
82.0	105.918	106.537	109.077	110.687	110.501
82.5	98.175	98.733	101.210	102.821	102.697

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83.0	90.433	91.300	93.468	95.140	95.264
83.5	82.814	83.867	85.973	87.583	87.955
84.0	75.691	76.558	78.540	80.089	80.646
84.5	68.444	69.373	71.231	72.780	73.337
85.0	61.692	62.436	64.170	65.533	66.028
85.5	55.127	55.498	56.985	58.410	58.905
86.0	48.685	48.809	50.110	51.410	52.030
86.5	42.305	42.305	43.482	44.659	45.216
87.0	35.863	35.863	36.730	38.217	38.651
87.5	29.484	29.545	30.351	31.837	32.395
88.0	23.413	23.351	24.157	25.767	26.386
88.5	17.591	17.219	18.272	19.697	20.564
89.0	11.397	11.211	12.636	13.998	14.928
89.5	5.265	6.256	7.557	8.610	8.919
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.896	2.053	1.895	1.843	2.001
91.0	8.582	4.528	3.685	3.633	3.580
91.5	13.794	9.214	5.476	5.423	5.370
92.0	19.059	15.321	7.897	7.055	7.055
92.5	24.534	21.639	12.215	8.845	8.687
93.0	30.221	27.693	17.269	11.741	10.582
93.5	35.959	33.485	22.692	15.847	13.794
94.0	41.593	39.171	28.694	20.744	18.164
94.5	47.384	44.857	34.959	25.798	22.902
95.0	53.070	50.701	41.119	30.958	27.588
95.5	58.756	56.177	47.121	36.275	32.537
96.0	64.179	61.757	53.018	41.803	37.591
96.5	69.655	67.338	58.914	47.437	42.804
97.0	74.972	72.814	64.758	53.070	48.332
97.5	80.448	78.342	70.655	58.809	53.860
98.0	85.871	83.765	76.394	64.495	59.441
98.5	91.294	89.240	81.922	70.287	65.022
99.0	96.822	94.874	87.555	75.815	70.655
99.5	102.403	100.454	93.242	81.343	76.183
100.0	107.878	106.088	98.928	87.029	81.606
100.5	113.564	111.721	104.614	92.926	87.082
101.0	119.408	117.355	110.405	98.875	93.031
101.5	125.358	123.094	116.302	104.824	99.191
102.0	131.149	129.043	122.199	110.774	105.298
102.5	137.204	134.940	128.306	116.723	111.353
103.0	143.416	141.047	134.361	122.620	117.513
103.5	149.629	147.260	140.784	128.938	123.620
104.0	155.999	153.525	147.312	135.466	129.991
104.5	162.580	160.053	153.841	142.153	136.361
105.0	169.320	166.740	160.317	148.734	142.837
105.5	176.217	173.531	167.003	155.368	149.260
106.0	183.219	180.376	173.795	162.107	155.683
106.5	190.274	187.431	180.902	168.898	162.159
107.0	197.803	194.802	188.484	176.111	169.214
107.5	205.595	202.383	196.171	183.745	176.848
108.0	213.334	210.175	204.015	192.011	184.693
108.5	221.495	218.125	211.860	200.277	192.801
109.0	229.866	226.233	219.915	208.648	201.014
109.5	238.448	234.657	228.392	216.967	209.333
110.0	247.609	243.292	237.079	225.496	218.020
110.5	256.980	252.137	245.977	234.657	227.023

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111.0	266.457	261.403	255.190	244.187	236.079
111.5	276.145	270.932	264.562	253.874	245.397
112.0	286.201	280.725	273.881	263.561	254.295
112.5	296.309	290.781	283.305	273.196	263.719
113.0	306.892	301.153	293.256	283.147	273.565
113.5	317.790	311.999	303.785	293.887	284.147
114.0	328.846	323.055	314.947	305.312	295.888
114.5	340.271	334.480	326.319	317.211	308.366
115.0	351.854	346.221	338.113	329.215	321.002
115.5	363.963	358.067	350.222	341.166	333.479
116.0	376.178	370.386	362.752	353.749	346.168
116.5	389.077	383.022	375.704	366.648	359.699
117.0	402.502	395.921	388.761	380.548	373.651
117.5	412.400	405.977	400.712	393.341	387.813
118.0	425.036	417.718	412.980	406.556	400.396
118.5	439.725	431.723	425.510	418.824	411.716
119.0	454.099	445.517	439.725	432.723	424.299
119.5	468.630	460.206	454.783	446.833	438.409
120.0	483.635	475.421	469.893	462.259	453.309
120.5	498.534	490.848	485.477	478.633	469.209
121.0	514.171	506.590	501.167	494.954	486.109
121.5	529.650	522.174	516.804	511.486	502.641
122.0	545.971	538.074	533.335	528.071	519.226
122.5	561.766	553.869	549.657	544.392	534.915
123.0	578.087	570.716	566.504	562.292	552.289
123.5	594.935	587.564	584.405	580.193	570.190
124.0	611.783	604.938	601.779	598.094	588.617
124.5	628.630	621.786	619.154	615.468	606.518
125.0	645.478	638.634	636.001	632.842	623.892
125.5	662.852	656.008	653.375	650.216	640.740
126.0	679.700	672.856	671.276	667.591	657.587
126.5	696.548	689.703	689.177	686.018	675.488
127.0	713.922	707.078	707.078	704.445	694.442
127.5	731.296	723.925	723.925	722.346	713.395
128.0	748.144	740.773	741.299	740.246	731.296
128.5	764.992	757.094	758.147	758.147	748.670
129.0	781.839	773.415	774.995	775.521	766.571
129.5	798.687	790.263	792.369	793.422	784.998
130.0	815.535	807.111	809.743	811.323	804.478
130.5	832.382	823.432	827.644	828.697	822.906
131.0	849.230	839.753	844.492	845.545	839.753
131.5	865.025	855.548	861.339	861.339	856.075
132.0	881.346	871.343	877.661	878.187	871.869
132.5	897.141	887.664	893.982	894.508	887.664
133.0	912.936	903.985	909.777	910.830	902.932
133.5	928.730	919.780	926.098	927.151	919.253
134.0	944.525	935.048	941.366	942.946	935.048
134.5	958.740	950.316	956.108	957.161	950.316
135.0	972.956	965.058	970.323	971.376	964.005
135.5	986.644	980.326	984.538	985.065	977.694
136.0	1000.333	994.542	997.701	999.280	991.909
136.5	1014.548	1008.230	1010.863	1013.495	1006.651
137.0	1027.711	1021.919	1024.552	1026.658	1020.340
137.5	1040.873	1034.555	1037.187	1038.767	1032.449
138.0	1053.509	1047.191	1049.297	1050.350	1044.032
138.5	1066.144	1059.300	1061.406	1061.933	1055.088

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

139.0	1078.254	1071.409	1073.515	1073.515	1066.144
139.5	1090.363	1083.519	1085.098	1084.572	1076.674
140.0	1101.946	1094.575	1096.681	1096.154	1088.257
140.5	1113.002	1105.105	1107.211	1106.684	1098.260
141.0	1124.058	1116.161	1117.741	1116.688	1108.264
141.5	1134.062	1126.164	1128.270	1126.691	1117.214
142.0	1144.592	1136.694	1138.274	1136.168	1126.691
142.5	1154.595	1146.698	1148.277	1146.171	1135.641
143.0	1164.598	1156.174	1157.754	1155.648	1145.118
143.5	1174.075	1166.178	1167.231	1165.125	1154.068
144.0	1183.025	1175.655	1176.181	1173.549	1162.492
144.5	1191.976	1184.605	1185.131	1181.972	1170.916
145.0	1200.400	1193.555	1193.555	1189.870	1178.814
145.5	1209.350	1202.506	1201.979	1198.820	1187.237
146.0	1217.774	1210.929	1210.403	1206.718	1195.661
146.5	1226.198	1219.353	1218.300	1215.141	1204.085
147.0	1234.095	1227.777	1225.671	1223.565	1212.509
147.5	1241.992	1235.675	1233.569	1231.463	1220.406
148.0	1249.890	1243.572	1240.413	1238.834	1228.830
148.5	1257.787	1251.469	1247.257	1246.204	1237.254
149.0	1265.158	1259.367	1254.102	1253.575	1245.678
149.5	1272.529	1266.738	1260.420	1260.946	1253.575
150.0	1279.900	1274.108	1267.264	1267.791	1260.946
150.5	1287.271	1281.479	1273.582	1274.108	1268.317
151.0	1294.115	1288.324	1279.900	1280.426	1275.161
151.5	1301.486	1295.168	1286.744	1286.744	1281.479
152.0	1308.330	1302.012	1293.062	1292.536	1287.797
152.5	1315.175	1308.330	1299.380	1298.854	1293.589
153.0	1322.019	1314.648	1305.698	1305.171	1298.854
153.5	1328.337	1320.966	1312.016	1311.489	1303.592
154.0	1334.655	1327.284	1318.860	1317.807	1308.857
154.5	1341.499	1333.075	1325.178	1323.599	1314.122
155.0	1347.817	1338.867	1331.496	1329.916	1319.913
155.5	1353.609	1344.132	1337.814	1336.234	1325.705
156.0	1359.400	1349.923	1344.658	1342.026	1331.496
156.5	1365.191	1355.715	1350.976	1348.344	1337.287
157.0	1370.983	1361.506	1357.294	1354.662	1343.079
157.5	1376.248	1366.771	1363.085	1360.453	1348.870
158.0	1381.513	1372.036	1368.877	1366.244	1354.662
158.5	1387.304	1377.827	1374.668	1372.036	1360.979
159.0	1392.042	1383.092	1379.933	1377.827	1366.771
159.5	1397.307	1388.357	1385.198	1383.619	1372.562
160.0	1402.046	1393.095	1390.463	1388.883	1378.354
160.5	1406.784	1397.834	1395.201	1394.148	1384.145
161.0	1411.523	1402.572	1399.940	1399.413	1389.936
161.5	1416.261	1407.837	1404.152	1404.678	1395.728
162.0	1421.526	1412.576	1408.364	1409.943	1400.993
162.5	1426.264	1417.314	1412.576	1414.682	1405.731
163.0	1431.003	1422.052	1416.788	1419.420	1410.470
163.5	1435.741	1426.264	1420.999	1424.158	1414.682
164.0	1440.480	1430.476	1424.685	1428.370	1418.893
164.5	1444.165	1434.688	1428.370	1432.582	1423.105
165.0	1448.377	1438.900	1432.056	1436.794	1426.791
165.5	1452.589	1442.586	1435.741	1440.480	1430.476
166.0	1456.801	1446.271	1439.427	1444.165	1433.635
166.5	1461.013	1449.956	1443.112	1447.324	1437.321

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

167.0	1464.698	1453.115	1446.271	1450.483	1440.480
167.5	1468.384	1456.274	1449.956	1453.642	1444.165
168.0	1472.069	1459.433	1453.115	1456.801	1447.324
168.5	1475.755	1462.592	1456.274	1459.960	1451.009
169.0	1478.913	1465.225	1459.433	1462.592	1454.168
169.5	1481.546	1467.857	1462.066	1465.225	1457.327
170.0	1484.178	1470.490	1464.698	1467.857	1461.013
170.5	1486.811	1473.122	1466.804	1470.490	1463.645
171.0	1489.443	1475.228	1468.910	1473.122	1466.278
171.5	1491.549	1477.334	1471.016	1475.755	1468.910
172.0	1493.655	1479.440	1472.596	1477.860	1471.016
172.5	1495.761	1481.546	1474.175	1479.440	1472.596
173.0	1497.867	1483.652	1475.755	1481.546	1473.649
173.5	1499.447	1485.231	1477.334	1482.599	1474.702
174.0	1501.026	1486.811	1478.913	1483.652	1475.228
174.5	1502.079	1487.864	1479.966	1484.705	1475.755
175.0	1503.132	1489.443	1481.019	1485.231	1475.755
175.5	1504.185	1490.496	1482.599	1485.758	1476.281
176.0	1505.238	1491.549	1483.652	1485.758	1476.281
176.5	1505.765	1492.602	1484.178	1486.284	1476.281
177.0	1506.291	1493.655	1485.231	1486.284	1475.755
177.5	1507.344	1494.708	1486.284	1486.284	1475.755
178.0	1507.870	1494.708	1486.811	1486.284	1476.281
178.5	1507.870	1495.235	1487.337	1486.284	1476.281
179.0	1508.397	1495.761	1487.337	1486.284	1476.281
179.5	1508.923	1495.761	1487.864	1486.284	1476.281
180.0	1490.496	1490.496	1490.496	1490.496	1490.496

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

Zone	Lumens	%Lamp	%Fixt
0-20	533.67	N.A.	7.00
0-30	1115.72	N.A.	14.70
0-40	1792.43	N.A.	23.70
0-60	3045.73	N.A.	40.20
0-80	3729.84	N.A.	49.30
0-90	3802.13	N.A.	50.20
10-90	3662.83	N.A.	48.40
20-40	1258.75	N.A.	16.60
20-50	1930.52	N.A.	25.50
40-70	1688.87	N.A.	22.30
60-80	684.11	N.A.	9.00
70-80	248.54	N.A.	3.30
80-90	72.28	N.A.	1.00
90-110	215.70	N.A.	2.80
90-120	553.72	N.A.	7.30
90-130	1121.75	N.A.	14.80
90-150	2609.11	N.A.	34.50
90-180	3770.85	N.A.	49.80
110-180	3555.15	N.A.	46.90
0-180	7572.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.30
10-20	394.37
20-30	582.05
30-40	676.70
40-50	671.76
50-60	581.55
60-70	435.57
70-80	248.54
80-90	72.28
90-100	46.52
100-110	169.18
110-120	338.02
120-130	568.03
130-140	742.75
140-150	744.61
150-160	615.08
160-170	405.31
170-180	141.35

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-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	83	83	83	69	69	69	56	56	56	50
1	98	93	90	86	90	86	83	80	73	71	68	61	59	58	50	49	48	42
2	89	82	75	70	82	76	70	66	64	60	57	54	51	48	44	42	40	35
3	81	72	64	59	75	66	60	55	57	52	48	47	44	41	39	36	34	30
4	74	63	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26
5	68	57	48	42	63	53	45	40	45	39	35	38	34	30	31	28	26	22
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	32	53	43	36	30	37	31	27	31	27	23	26	23	20	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	24	20	18	16
9	50	38	31	25	46	35	29	24	31	25	21	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-927U-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	15.8	16.7	16.8	17.7	18.9	UGR Viewed Endwise			
	3H	17.6	18.4	18.6	19.3	20.6	15.7	16.6	16.7	17.6
	4H	18.2	18.9	19.2	19.9	21.2	17.5	18.3	18.5	19.3
	6H	18.6	19.3	19.6	20.3	21.6	18.1	18.9	19.1	19.8
	8H	18.8	19.4	19.8	20.4	21.7	18.6	19.3	19.6	20.3
	12H	18.8	19.5	19.8	20.5	21.8	18.7	19.4	19.7	20.4

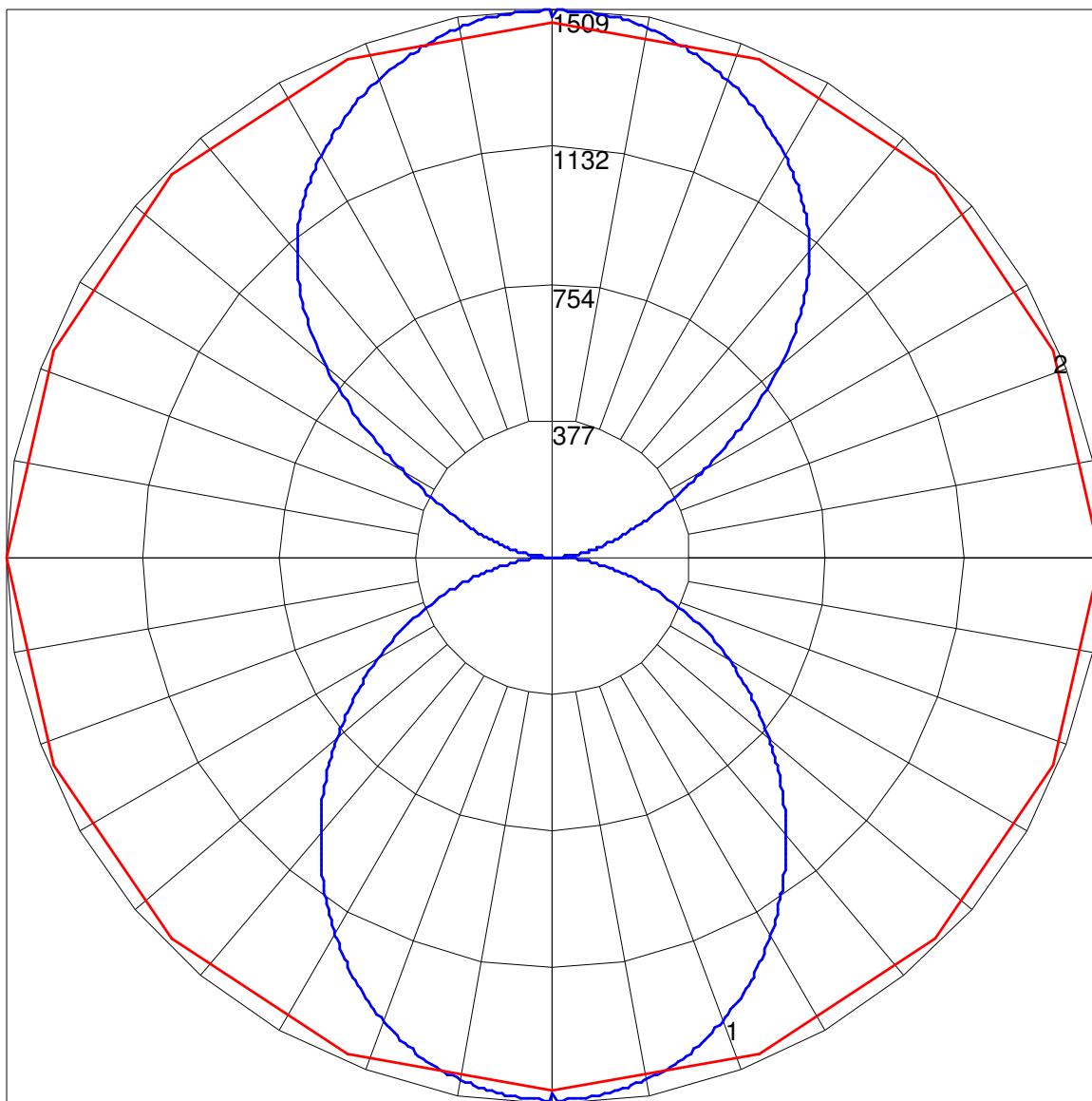
4H	2H	16.4	17.1	17.4	18.1	19.4	18.8	19.4	19.8	20.4
	3H	18.3	18.9	19.3	20.0	21.3	18.6	19.3	19.6	20.3
	4H	19.1	19.6	20.1	20.6	22.0	18.1	18.9	19.1	19.8
	6H	19.6	20.1	20.6	21.1	22.5	18.6	19.3	19.6	20.3
	8H	19.8	20.3	20.8	21.3	22.6	18.7	19.4	19.7	20.4
	12H	19.9	20.3	21.0	21.4	22.7	18.8	19.4	19.8	20.4

8H	4H	19.3	19.8	20.3	20.8	22.1	18.1	18.9	19.1	19.8
	6H	20.0	20.4	21.0	21.4	22.8	18.6	19.3	19.6	20.3
	8H	20.3	20.6	21.3	21.6	23.0	18.7	19.4	19.7	20.4
	12H	20.5	20.7	21.5	21.8	23.2	18.8	19.4	19.8	20.4

12H	4H	19.3	19.7	20.3	20.8	22.1	18.1	18.9	19.1	19.8
	6H	20.0	20.4	21.1	21.4	22.8	18.6	19.3	19.6	20.3
	8H	20.3	20.6	21.4	21.7	23.1	18.7	19.4	19.7	20.4

Maximum UGR = 23.2

POLAR GRAPH



Maximum Candela = 1508.923 Located At Horizontal Angle = 0, Vertical Angle = 179.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (179.5) (Through Max. Cd.)