

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-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-L8-950U-L15-950D-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	8389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
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	11379	11094	10968
55	10460	10207	10099
65	9648	9415	9313
75	8181	8177	8173
85	6390	6646	6839

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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	1651.113	1651.113	1651.113	1651.113	1651.113
0.5	1676.046	1652.499	1644.188	1647.651	1642.110
1.0	1676.046	1651.806	1644.188	1647.651	1642.110
1.5	1675.354	1651.113	1643.495	1647.651	1641.417
2.0	1674.661	1650.421	1642.802	1646.958	1641.417
2.5	1673.969	1649.728	1641.417	1646.265	1640.725
3.0	1672.583	1648.343	1640.725	1645.573	1639.340
3.5	1671.198	1646.958	1639.340	1644.188	1637.954
4.0	1669.813	1645.573	1637.954	1642.802	1636.569
4.5	1668.428	1643.495	1636.569	1641.417	1634.491
5.0	1667.043	1642.110	1634.491	1639.340	1632.414
5.5	1664.965	1640.032	1632.414	1637.262	1630.336
6.0	1662.887	1637.262	1630.336	1635.184	1627.566
6.5	1660.117	1635.184	1627.566	1632.414	1625.488
7.0	1658.039	1632.414	1625.488	1629.643	1622.718
7.5	1655.962	1629.643	1622.718	1626.873	1620.640
8.0	1652.499	1626.873	1619.255	1624.103	1617.870
8.5	1649.728	1623.410	1615.792	1620.640	1614.407
9.0	1646.265	1620.640	1613.021	1617.177	1610.944
9.5	1642.802	1617.177	1608.866	1613.021	1607.481
10.0	1639.340	1613.714	1605.403	1609.559	1603.325
10.5	1635.184	1609.559	1601.248	1605.403	1599.862
11.0	1631.721	1605.403	1597.092	1601.248	1595.014
11.5	1626.873	1601.248	1592.937	1597.092	1590.859
12.0	1622.718	1597.092	1588.781	1592.244	1586.011
12.5	1618.562	1592.244	1583.933	1587.396	1581.163
13.0	1613.714	1588.089	1579.085	1582.548	1576.315
13.5	1608.866	1582.548	1574.237	1577.007	1571.467
14.0	1604.018	1577.700	1568.696	1572.159	1566.619
14.5	1599.170	1572.852	1563.156	1566.619	1561.078
15.0	1594.322	1567.311	1557.615	1561.078	1555.537
15.5	1588.089	1562.463	1552.074	1554.845	1549.304
16.0	1581.163	1556.922	1545.841	1549.304	1543.763
16.5	1574.237	1550.689	1539.608	1543.071	1537.530
17.0	1568.004	1544.456	1533.375	1536.838	1531.297
17.5	1561.078	1537.530	1526.449	1529.912	1524.371
18.0	1554.152	1530.604	1519.523	1522.986	1517.445
18.5	1547.226	1523.679	1512.597	1515.368	1510.519
19.0	1540.300	1516.753	1506.364	1508.442	1502.208
19.5	1532.682	1509.827	1499.438	1500.131	1493.898
20.0	1525.756	1502.208	1493.205	1492.512	1485.587
20.5	1518.138	1495.283	1486.279	1484.201	1477.276
21.0	1510.519	1487.664	1478.661	1475.890	1468.272
21.5	1502.208	1480.046	1470.350	1467.579	1459.268
22.0	1494.590	1471.735	1461.346	1458.576	1450.957
22.5	1486.279	1463.424	1453.035	1449.572	1441.954
23.0	1477.968	1455.113	1444.724	1439.876	1432.950
23.5	1469.657	1446.802	1435.721	1430.873	1424.639
24.0	1460.654	1438.491	1427.410	1421.869	1415.636
24.5	1451.650	1429.487	1418.406	1412.866	1406.632
25.0	1443.339	1420.484	1409.403	1403.862	1397.629
25.5	1434.336	1411.480	1399.706	1394.858	1387.933
26.0	1424.639	1401.784	1390.703	1385.855	1378.929
26.5	1415.636	1392.781	1381.007	1376.851	1369.925

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1405.940	1383.085	1371.311	1367.848	1360.229
27.5	1396.244	1373.388	1362.307	1358.844	1351.226
28.0	1386.547	1363.000	1351.918	1349.148	1341.530
28.5	1376.159	1352.611	1342.222	1340.145	1331.834
29.0	1365.770	1342.915	1332.526	1330.448	1322.137
29.5	1356.074	1332.526	1322.830	1320.060	1313.134
30.0	1345.685	1322.137	1313.134	1310.364	1303.438
30.5	1335.296	1311.749	1302.745	1300.667	1293.742
31.0	1324.215	1302.053	1292.356	1290.279	1284.045
31.5	1313.826	1291.664	1281.968	1279.890	1273.657
32.0	1302.745	1280.583	1271.579	1268.809	1263.268
32.5	1291.664	1270.194	1261.190	1258.420	1252.187
33.0	1280.583	1259.805	1250.802	1248.031	1241.105
33.5	1270.194	1248.724	1239.720	1236.950	1230.717
34.0	1258.420	1237.642	1229.332	1225.869	1219.635
34.5	1247.339	1226.561	1217.558	1214.787	1207.862
35.0	1236.257	1216.172	1206.476	1203.706	1196.088
35.5	1224.483	1204.399	1195.395	1192.625	1184.314
36.0	1212.710	1193.317	1184.314	1180.851	1173.232
36.5	1201.628	1182.236	1173.232	1169.770	1162.151
37.0	1189.854	1170.462	1161.459	1157.996	1150.377
37.5	1178.081	1158.688	1150.377	1146.222	1139.296
38.0	1165.614	1146.914	1138.603	1134.448	1127.522
38.5	1153.840	1135.140	1126.830	1123.367	1115.748
39.0	1142.759	1123.367	1115.056	1111.593	1104.667
39.5	1130.292	1111.593	1103.974	1099.819	1092.200
40.0	1118.519	1099.126	1092.200	1088.045	1081.119
40.5	1106.052	1087.352	1080.427	1076.271	1069.345
41.0	1094.278	1074.886	1068.653	1063.805	1056.879
41.5	1081.812	1063.112	1056.186	1052.031	1044.412
42.0	1070.038	1050.646	1044.412	1040.257	1032.638
42.5	1058.264	1038.872	1032.638	1027.790	1020.865
43.0	1045.798	1027.098	1020.865	1016.017	1008.398
43.5	1034.024	1014.631	1008.398	1004.243	996.624
44.0	1021.557	1002.165	995.932	991.776	984.850
44.5	1009.091	989.698	983.465	979.310	972.384
45.0	996.624	977.925	971.691	966.843	960.610
45.5	984.850	965.458	959.225	955.069	948.836
46.0	972.384	952.992	946.758	942.603	937.062
46.5	959.917	940.525	934.985	930.829	925.288
47.0	947.451	928.059	922.518	918.363	912.822
47.5	934.292	915.592	910.052	905.896	901.048
48.0	921.825	903.126	897.585	894.122	888.582
48.5	909.359	890.659	885.811	881.656	876.115
49.0	896.200	878.193	873.345	869.189	864.341
49.5	883.734	865.726	860.878	857.415	852.567
50.0	870.574	853.260	848.412	844.949	840.101
50.5	857.415	840.794	835.945	832.483	828.327
51.0	844.256	828.327	823.479	820.016	815.861
51.5	831.790	815.861	811.013	808.242	803.394
52.0	819.323	803.394	798.546	795.776	791.620
52.5	806.164	790.928	786.080	784.002	779.154
53.0	793.698	778.461	773.613	771.535	766.687
53.5	780.539	765.995	761.147	759.069	754.221
54.0	768.072	753.528	749.373	747.295	741.754
54.5	755.606	741.754	736.906	734.829	729.288

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55.0	743.140	729.981	725.132	723.055	717.514
55.5	731.366	717.514	712.666	710.588	705.740
56.0	718.207	705.048	700.200	698.814	693.274
56.5	705.740	693.274	688.079	686.556	681.084
57.0	693.966	680.807	675.821	674.158	668.964
57.5	681.777	668.756	663.631	662.108	656.705
58.0	669.587	656.844	651.373	649.987	644.585
58.5	657.329	644.862	639.322	638.075	632.950
59.0	645.278	632.811	627.202	626.024	621.107
59.5	633.573	620.622	614.873	614.042	609.402
60.0	621.592	608.502	602.684	601.992	597.490
60.5	609.748	596.659	590.910	589.871	585.439
61.0	598.113	584.815	579.206	578.028	573.665
61.5	585.647	573.111	567.570	566.254	562.030
62.0	573.388	561.060	555.519	554.550	550.117
62.5	560.852	549.909	544.161	543.399	538.828
63.0	548.801	540.075	535.434	535.088	531.348
63.5	536.612	529.340	525.669	524.907	521.029
64.0	529.271	518.882	515.557	514.034	509.601
64.5	517.843	507.731	504.130	502.745	498.589
65.0	505.030	495.819	492.841	491.525	487.508
65.5	491.940	483.768	481.067	480.444	476.357
66.0	479.335	471.994	469.570	469.293	464.930
66.5	466.869	459.943	457.865	457.865	453.987
67.0	454.541	447.961	446.299	446.507	442.975
67.5	442.421	436.188	434.664	435.080	431.617
68.0	430.162	424.414	423.029	423.583	419.981
68.5	417.834	412.432	411.324	412.086	408.554
69.0	405.091	400.381	399.550	399.966	396.710
69.5	392.694	388.538	387.568	388.053	385.075
70.0	380.435	376.556	375.864	376.072	373.440
70.5	368.384	364.505	364.021	364.228	361.735
71.0	356.056	352.524	352.385	352.662	349.961
71.5	343.728	340.542	340.819	341.027	338.672
72.0	331.746	328.491	329.045	329.322	327.314
72.5	319.765	316.648	317.549	317.826	316.163
73.0	307.922	305.082	306.329	306.675	305.220
73.5	296.425	293.654	295.109	295.732	294.139
74.0	285.066	282.227	284.027	284.512	283.473
74.5	273.708	271.007	273.016	273.500	272.738
75.0	262.280	259.856	262.142	262.627	262.003
75.5	250.991	248.706	251.338	251.961	251.268
76.0	239.564	237.971	240.672	241.365	240.810
76.5	228.760	227.374	230.076	230.837	230.353
77.0	218.232	216.709	219.687	220.379	219.617
77.5	207.359	206.320	209.298	209.852	209.090
78.0	196.762	195.931	198.909	199.740	198.979
78.5	186.235	185.820	188.659	189.629	189.005
79.0	176.123	175.708	178.617	179.794	179.309
79.5	166.012	165.804	168.713	169.959	169.544
80.0	156.039	156.108	158.809	160.540	159.986
80.5	145.996	146.619	149.390	151.052	150.636
81.0	136.369	137.339	140.040	141.771	141.494
81.5	127.089	128.128	130.898	132.629	132.422
82.0	118.431	119.124	121.964	123.764	123.556
82.5	109.774	110.397	113.168	114.968	114.830

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83.0	101.117	102.086	104.511	106.380	106.519
83.5	92.598	93.775	96.130	97.931	98.347
84.0	84.633	85.603	87.819	89.551	90.174
84.5	76.530	77.569	79.647	81.378	82.002
85.0	68.981	69.812	71.751	73.275	73.829
85.5	61.640	62.055	63.717	65.310	65.864
86.0	54.437	54.575	56.030	57.484	58.177
86.5	47.303	47.303	48.619	49.935	50.558
87.0	40.100	40.100	41.070	42.732	43.217
87.5	32.967	33.036	33.936	35.599	36.222
88.0	26.180	26.110	27.011	28.811	29.504
88.5	19.669	19.254	20.431	22.024	22.994
89.0	12.743	12.536	14.129	15.652	16.691
89.5	5.887	6.995	8.450	9.627	9.973
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.275	2.253	2.080	2.022	2.195
91.0	9.416	4.968	4.044	3.986	3.928
91.5	15.135	10.109	6.008	5.950	5.892
92.0	20.912	16.810	8.665	7.741	7.741
92.5	26.920	23.742	13.402	9.705	9.532
93.0	33.159	30.386	18.948	12.882	11.611
93.5	39.455	36.740	24.898	17.388	15.135
94.0	45.636	42.979	31.483	22.760	19.930
94.5	51.991	49.218	38.358	28.306	25.129
95.0	58.230	55.630	45.116	33.967	30.270
95.5	64.469	61.638	51.702	39.802	35.700
96.0	70.419	67.761	58.172	45.867	41.246
96.5	76.426	73.885	64.642	52.049	46.965
97.0	82.261	79.893	71.054	58.230	53.031
97.5	88.269	85.958	77.524	64.526	59.096
98.0	94.219	91.908	83.821	70.765	65.220
98.5	100.169	97.916	89.886	77.120	71.343
99.0	106.234	104.097	96.067	83.185	77.524
99.5	112.358	110.220	102.306	89.251	83.590
100.0	118.366	116.402	108.545	95.490	89.540
100.5	124.605	122.583	114.784	101.960	95.548
101.0	131.017	128.764	121.139	108.487	102.075
101.5	137.545	135.060	127.608	115.015	108.834
102.0	143.899	141.588	134.078	121.543	115.535
102.5	150.542	148.058	140.779	128.071	122.178
103.0	157.359	154.759	147.423	134.541	128.937
103.5	164.175	161.576	154.470	141.473	135.638
104.0	171.165	168.450	161.634	148.636	142.628
104.5	178.386	175.613	168.797	155.972	149.618
105.0	185.780	182.950	175.902	163.193	156.723
105.5	193.348	190.402	183.239	170.472	163.771
106.0	201.031	197.912	190.691	177.866	170.819
106.5	208.772	205.652	198.489	185.318	177.924
107.0	217.033	213.740	206.808	193.232	185.665
107.5	225.582	222.058	215.242	201.609	194.041
108.0	234.074	230.608	223.849	210.678	202.649
108.5	243.028	239.331	232.457	219.748	211.545
109.0	252.213	248.227	241.295	228.933	220.556
109.5	261.629	257.470	250.596	238.060	229.684
110.0	271.681	266.944	260.127	247.418	239.215
110.5	281.963	276.649	269.890	257.470	249.094

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111.0	292.361	286.816	279.999	267.926	259.030
111.5	302.991	297.272	290.282	278.555	269.254
112.0	314.024	308.016	300.507	289.184	279.017
112.5	325.116	319.050	310.847	299.756	289.358
113.0	336.727	330.430	321.765	310.674	300.160
113.5	348.685	342.330	333.319	322.458	311.771
114.0	360.816	354.462	345.565	334.994	324.654
114.5	373.352	366.997	358.043	348.049	338.344
115.0	386.060	379.879	370.983	361.220	352.209
115.5	399.347	392.877	384.270	374.334	365.900
116.0	412.749	406.395	398.018	388.140	379.822
116.5	426.902	420.259	412.229	402.293	394.668
117.0	441.633	434.412	426.555	417.544	409.976
117.5	452.493	445.445	439.669	431.581	425.516
118.0	466.357	458.328	453.129	446.081	439.322
118.5	482.474	473.694	466.877	459.541	451.742
119.0	498.245	488.829	482.474	474.791	465.549
119.5	514.189	504.946	498.996	490.273	481.030
120.0	530.653	521.641	515.575	507.199	497.378
120.5	547.001	538.567	532.674	525.165	514.824
121.0	564.158	555.839	549.889	543.073	533.368
121.5	581.141	572.938	567.046	561.212	551.507
122.0	599.049	590.384	585.185	579.408	569.703
122.5	616.380	607.714	603.093	597.316	586.918
123.0	634.288	626.200	621.579	616.957	605.981
123.5	652.773	644.686	641.220	636.598	625.622
124.0	671.259	663.749	660.283	656.239	645.841
124.5	689.744	682.235	679.346	675.302	665.482
125.0	708.230	700.720	697.832	694.366	684.545
125.5	727.293	719.783	716.895	713.429	703.031
126.0	745.779	738.269	736.536	732.492	721.517
126.5	764.264	756.755	756.177	752.711	741.157
127.0	783.328	775.818	775.818	772.930	761.954
127.5	802.391	794.304	794.304	792.571	782.750
128.0	820.877	812.789	813.367	812.212	802.391
128.5	839.362	830.697	831.853	831.853	821.454
129.0	857.848	848.605	850.338	850.916	841.095
129.5	876.334	867.091	869.401	870.557	861.314
130.0	894.819	885.576	888.465	890.198	882.688
130.5	913.305	903.484	908.106	909.261	902.907
131.0	931.790	921.392	926.591	927.747	921.392
131.5	949.121	938.722	945.077	945.077	939.300
132.0	967.029	956.053	962.985	963.562	956.630
132.5	984.359	973.961	980.893	981.470	973.961
133.0	1001.689	991.869	998.223	999.378	990.713
133.5	1019.019	1009.199	1016.131	1017.286	1008.621
134.0	1036.350	1025.951	1032.884	1034.617	1025.951
134.5	1051.947	1042.704	1049.058	1050.214	1042.704
135.0	1067.544	1058.879	1064.656	1065.811	1057.724
135.5	1082.564	1075.631	1080.253	1080.831	1072.743
136.0	1097.583	1091.229	1094.695	1096.428	1088.340
136.5	1113.180	1106.248	1109.137	1112.025	1104.515
137.0	1127.622	1121.268	1124.156	1126.467	1119.535
137.5	1142.064	1135.132	1138.020	1139.753	1132.821
138.0	1155.928	1148.996	1151.307	1152.462	1145.530
138.5	1169.793	1162.283	1164.594	1165.171	1157.661

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1183.079	1175.569	1177.880	1177.880	1169.793
139.5	1196.366	1188.856	1190.589	1190.011	1181.346
140.0	1209.075	1200.987	1203.298	1202.720	1194.055
140.5	1221.206	1212.541	1214.851	1214.274	1205.031
141.0	1233.337	1224.672	1226.405	1225.249	1216.007
141.5	1244.313	1235.648	1237.958	1236.225	1225.827
142.0	1255.866	1247.201	1248.934	1246.623	1236.225
142.5	1266.842	1258.177	1259.910	1257.599	1246.046
143.0	1277.818	1268.575	1270.308	1267.997	1256.444
143.5	1288.216	1279.551	1280.706	1278.396	1266.264
144.0	1298.037	1289.949	1290.527	1287.638	1275.507
144.5	1307.857	1299.770	1300.347	1296.881	1284.750
145.0	1317.100	1309.590	1309.590	1305.546	1293.415
145.5	1326.920	1319.410	1318.833	1315.367	1302.658
146.0	1336.163	1328.653	1328.076	1324.032	1311.901
146.5	1345.406	1337.896	1336.741	1333.275	1321.144
147.0	1354.071	1347.139	1344.828	1342.518	1330.386
147.5	1362.736	1355.804	1353.493	1351.183	1339.051
148.0	1371.401	1364.469	1361.003	1359.270	1348.294
148.5	1380.066	1373.134	1368.513	1367.358	1357.537
149.0	1388.154	1381.799	1376.023	1375.445	1366.780
149.5	1396.241	1389.887	1382.955	1383.532	1375.445
150.0	1404.329	1397.974	1390.465	1391.042	1383.532
150.5	1412.416	1406.062	1397.397	1397.974	1391.620
151.0	1419.926	1413.572	1404.329	1404.906	1399.130
151.5	1428.013	1421.081	1411.839	1411.839	1406.062
152.0	1435.523	1428.591	1418.771	1418.193	1412.994
152.5	1443.033	1435.523	1425.703	1425.125	1419.348
153.0	1450.543	1442.455	1432.635	1432.057	1425.125
153.5	1457.475	1449.387	1439.567	1438.989	1430.324
154.0	1464.407	1456.320	1447.077	1445.921	1436.101
154.5	1471.917	1462.674	1454.009	1452.276	1441.878
155.0	1478.849	1469.028	1460.941	1459.208	1448.232
155.5	1485.203	1474.805	1467.873	1466.140	1454.587
156.0	1491.558	1481.160	1475.383	1472.494	1460.941
156.5	1497.912	1487.514	1482.315	1479.427	1467.295
157.0	1504.267	1493.868	1489.247	1486.359	1473.650
157.5	1510.043	1499.645	1495.601	1492.713	1480.004
158.0	1515.820	1505.422	1501.956	1499.068	1486.359
158.5	1522.175	1511.776	1508.310	1505.422	1493.291
159.0	1527.374	1517.553	1514.087	1511.776	1499.645
159.5	1533.150	1523.330	1519.864	1518.131	1506.000
160.0	1538.349	1528.529	1525.641	1523.908	1512.354
160.5	1543.549	1533.728	1530.840	1529.684	1518.708
161.0	1548.748	1538.927	1536.039	1535.461	1525.063
161.5	1553.947	1544.704	1540.660	1541.238	1531.417
162.0	1559.723	1549.903	1545.282	1547.015	1537.194
162.5	1564.923	1555.102	1549.903	1552.214	1542.393
163.0	1570.122	1560.301	1554.524	1557.413	1547.592
163.5	1575.321	1564.923	1559.146	1562.612	1552.214
164.0	1580.520	1569.544	1563.189	1567.233	1556.835
164.5	1584.563	1574.165	1567.233	1571.855	1561.456
165.0	1589.185	1578.787	1571.277	1576.476	1565.500
165.5	1593.806	1582.830	1575.321	1580.520	1569.544
166.0	1598.428	1586.874	1579.364	1584.563	1573.010
166.5	1603.049	1590.918	1583.408	1588.030	1577.054

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1607.093	1594.384	1586.874	1591.496	1580.520
167.5	1611.137	1597.850	1590.918	1594.962	1584.563
168.0	1615.180	1601.316	1594.384	1598.428	1588.030
168.5	1619.224	1604.782	1597.850	1601.894	1592.073
169.0	1622.690	1607.670	1601.316	1604.782	1595.539
169.5	1625.578	1610.559	1604.204	1607.670	1599.005
170.0	1628.467	1613.447	1607.093	1610.559	1603.049
170.5	1631.355	1616.336	1609.404	1613.447	1605.937
171.0	1634.244	1618.646	1611.714	1616.336	1608.826
171.5	1636.554	1620.957	1614.025	1619.224	1611.714
172.0	1638.865	1623.268	1615.758	1621.535	1614.025
172.5	1641.176	1625.578	1617.491	1623.268	1615.758
173.0	1643.486	1627.889	1619.224	1625.578	1616.913
173.5	1645.219	1629.622	1620.957	1626.734	1618.069
174.0	1646.952	1631.355	1622.690	1627.889	1618.646
174.5	1648.108	1632.511	1623.845	1629.044	1619.224
175.0	1649.263	1634.244	1625.001	1629.622	1619.224
175.5	1650.418	1635.399	1626.734	1630.200	1619.802
176.0	1651.574	1636.554	1627.889	1630.200	1619.802
176.5	1652.151	1637.710	1628.467	1630.778	1619.802
177.0	1652.729	1638.865	1629.622	1630.778	1619.224
177.5	1653.885	1640.020	1630.778	1630.778	1619.224
178.0	1654.462	1640.020	1631.355	1630.778	1619.802
178.5	1654.462	1640.598	1631.933	1630.778	1619.802
179.0	1655.040	1641.176	1631.933	1630.778	1619.802
179.5	1655.618	1641.176	1632.511	1630.778	1619.802
180.0	1635.399	1635.399	1635.399	1635.399	1635.399

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	596.72	N.A.	7.10
0-30	1247.54	N.A.	14.90
0-40	2004.19	N.A.	23.90
0-60	3405.58	N.A.	40.60
0-80	4170.51	N.A.	49.70
0-90	4251.33	N.A.	50.70
10-90	4095.58	N.A.	48.80
20-40	1407.47	N.A.	16.80
20-50	2158.6	N.A.	25.70
40-70	1888.41	N.A.	22.50
60-80	764.93	N.A.	9.10
70-80	277.91	N.A.	3.30
80-90	80.82	N.A.	1.00
90-110	236.67	N.A.	2.80
90-120	607.55	N.A.	7.20
90-130	1230.81	N.A.	14.70
90-150	2862.76	N.A.	34.10
90-180	4137.45	N.A.	49.30
110-180	3900.78	N.A.	46.50
0-180	8388.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	155.76
10-20	440.97
20-30	650.82
30-40	756.65
40-50	751.13
50-60	650.25
60-70	487.03
70-80	277.91
80-90	80.82
90-100	51.05
100-110	185.62
110-120	370.88
120-130	623.25
130-140	814.96
140-150	817.00
150-160	674.88
160-170	444.72
170-180	155.09

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L8-950U-L15-950D-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-L8-950U-L15-950D-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	16.3	17.2	17.3	18.2	19.4	UGR Viewed Endwise			
	3H	18.1	18.9	19.0	19.8	21.1	16.2	17.1	17.2	18.1
	4H	18.7	19.4	19.7	20.4	21.7	18.0	18.8	18.9	19.7
	6H	19.1	19.8	20.1	20.8	22.1	18.6	19.4	19.6	20.3
	8H	19.3	19.9	20.2	20.9	22.2	19.1	19.8	20.1	20.7
	12H	19.3	20.0	20.3	20.9	22.3	19.2	19.9	20.2	20.9

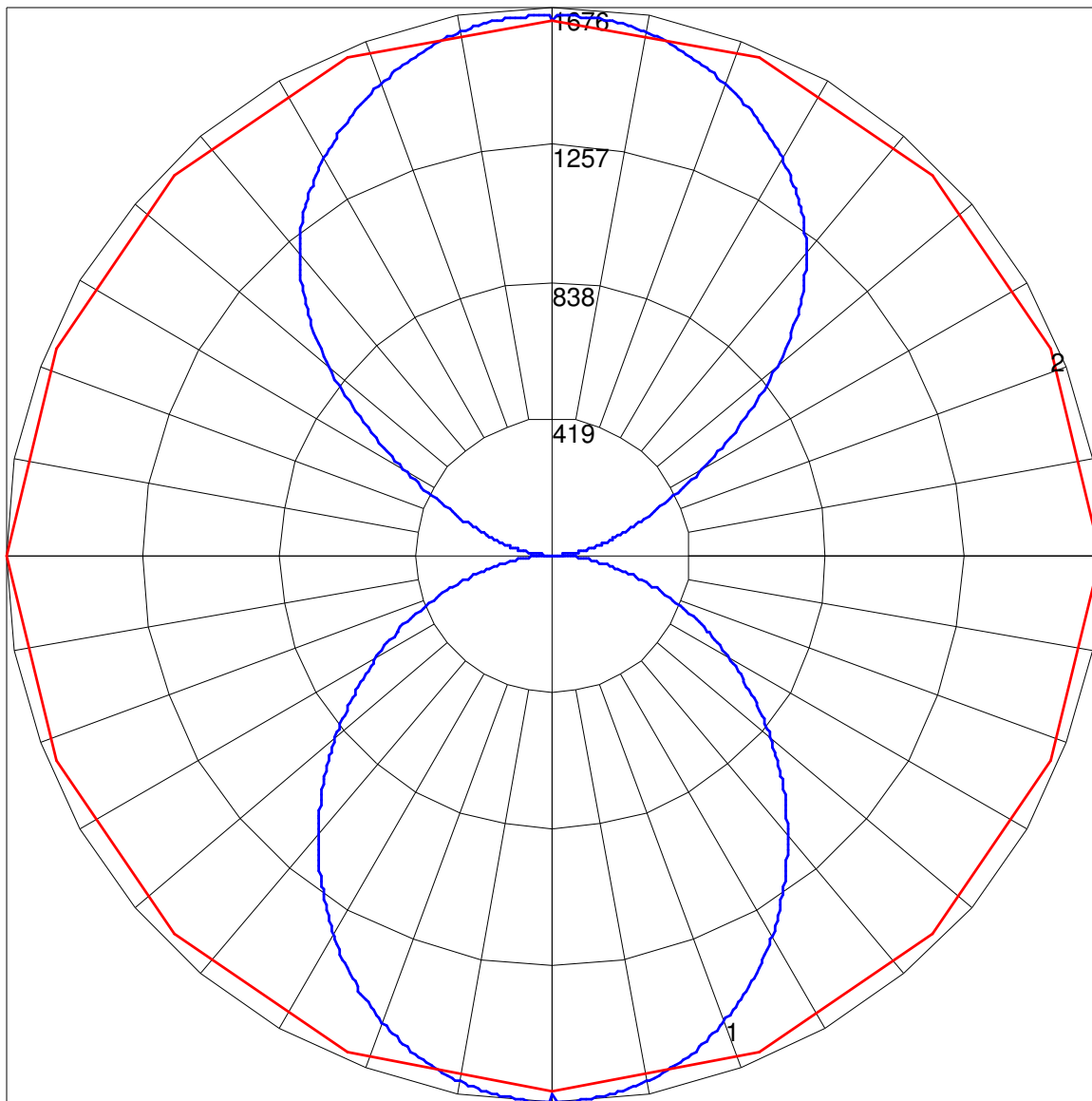
4H	2H	16.9	17.6	17.8	18.6	19.9	16.8	17.5	17.7	18.5	19.8
	3H	18.8	19.4	19.8	20.4	21.7	18.7	19.4	19.7	20.4	21.7
	4H	19.6	20.1	20.5	21.1	22.4	19.5	20.1	20.5	21.1	22.4
	6H	20.1	20.6	21.1	21.6	22.9	20.1	20.6	21.1	21.6	22.9
	8H	20.3	20.7	21.3	21.8	23.1	20.3	20.7	21.3	21.8	23.1
	12H	20.4	20.8	21.4	21.8	23.2	20.4	20.8	21.5	21.9	23.2

8H	4H	19.8	20.3	20.8	21.3	22.6	19.8	20.2	20.8	21.2	22.6
	6H	20.5	20.9	21.5	21.9	23.3	20.5	20.9	21.5	21.9	23.2
	8H	20.8	21.1	21.8	22.1	23.5	20.8	21.1	21.8	22.1	23.5
	12H	20.9	21.2	22.0	22.3	23.7	21.0	21.3	22.0	22.3	23.7

12H	4H	19.8	20.2	20.8	21.2	22.6	19.7	20.2	20.8	21.2	22.5
	6H	20.5	20.9	21.6	21.9	23.3	20.5	20.9	21.6	21.9	23.3
	8H	20.8	21.1	21.9	22.2	23.6	20.8	21.1	21.9	22.2	23.6

Maximum UGR = 23.7

POLAR GRAPH



Maximum Candela = 1676.046 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.)