

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-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-L15-935U-L8-935D-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	7857
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	10558	10294	10177
55	9706	9471	9371
65	8952	8736	8641
75	7591	7587	7583
85	5929	6167	6346

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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	1532.027	1532.027	1532.027	1532.027	1532.027
0.5	1555.162	1533.312	1525.601	1528.814	1523.673
1.0	1555.162	1532.670	1525.601	1528.814	1523.673
1.5	1554.519	1532.027	1524.958	1528.814	1523.030
2.0	1553.876	1531.384	1524.315	1528.171	1523.030
2.5	1553.234	1530.742	1523.030	1527.529	1522.388
3.0	1551.949	1529.457	1522.388	1526.886	1521.102
3.5	1550.663	1528.171	1521.102	1525.601	1519.817
4.0	1549.378	1526.886	1519.817	1524.315	1518.532
4.5	1548.093	1524.958	1518.532	1523.030	1516.604
5.0	1546.807	1523.673	1516.604	1521.102	1514.676
5.5	1544.880	1521.745	1514.676	1519.174	1512.748
6.0	1542.952	1519.174	1512.748	1517.247	1510.178
6.5	1540.381	1517.247	1510.178	1514.676	1508.250
7.0	1538.453	1514.676	1508.250	1512.106	1505.679
7.5	1536.525	1512.106	1505.679	1509.535	1503.751
8.0	1533.312	1509.535	1502.466	1506.965	1501.181
8.5	1530.742	1506.322	1499.253	1503.751	1497.968
9.0	1527.529	1503.751	1496.682	1500.538	1494.755
9.5	1524.315	1500.538	1492.827	1496.682	1491.541
10.0	1521.102	1497.325	1489.614	1493.469	1487.686
10.5	1517.247	1493.469	1485.758	1489.614	1484.473
11.0	1514.033	1489.614	1481.902	1485.758	1479.974
11.5	1509.535	1485.758	1478.046	1481.902	1476.118
12.0	1505.679	1481.902	1474.190	1477.404	1471.620
12.5	1501.823	1477.404	1469.692	1472.905	1467.122
13.0	1497.325	1473.548	1465.194	1468.407	1462.623
13.5	1492.827	1468.407	1460.695	1463.266	1458.125
14.0	1488.328	1463.908	1455.554	1458.767	1453.626
14.5	1483.830	1459.410	1450.413	1453.626	1448.485
15.0	1479.331	1454.269	1445.272	1448.485	1443.344
15.5	1473.548	1449.771	1440.131	1442.702	1437.561
16.0	1467.122	1444.630	1434.347	1437.561	1432.420
16.5	1460.695	1438.846	1428.564	1431.777	1426.636
17.0	1454.912	1433.062	1422.780	1425.993	1420.852
17.5	1448.485	1426.636	1416.354	1419.567	1414.426
18.0	1442.059	1420.210	1409.928	1413.141	1408.000
18.5	1435.633	1413.783	1403.501	1406.072	1401.573
19.0	1429.206	1407.357	1397.718	1399.646	1393.862
19.5	1422.138	1400.931	1391.291	1391.934	1386.150
20.0	1415.711	1393.862	1385.508	1384.865	1378.439
20.5	1408.642	1387.436	1379.081	1377.153	1370.727
21.0	1401.573	1380.367	1372.012	1369.442	1362.373
21.5	1393.862	1373.298	1364.301	1361.730	1354.019
22.0	1386.793	1365.586	1355.947	1353.376	1346.307
22.5	1379.081	1357.875	1348.235	1345.022	1337.953
23.0	1371.370	1350.163	1340.524	1336.025	1329.599
23.5	1363.658	1342.452	1332.169	1327.671	1321.887
24.0	1355.304	1334.740	1324.458	1319.317	1313.533
24.5	1346.950	1326.386	1316.104	1310.963	1305.179
25.0	1339.238	1318.032	1307.750	1302.609	1296.825
25.5	1330.884	1309.677	1298.753	1294.254	1287.828
26.0	1321.887	1300.681	1290.399	1285.900	1279.474
26.5	1313.533	1292.326	1281.402	1277.546	1271.120

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27.0	1304.536	1283.330	1272.405	1269.192	1262.123
27.5	1295.540	1274.333	1264.051	1260.838	1253.769
28.0	1286.543	1264.693	1254.411	1251.841	1244.772
28.5	1276.903	1255.054	1245.415	1243.487	1235.775
29.0	1267.264	1246.057	1236.418	1234.490	1226.778
29.5	1258.267	1236.418	1227.421	1224.850	1218.424
30.0	1248.628	1226.778	1218.424	1215.854	1209.427
30.5	1238.988	1217.139	1208.785	1206.857	1200.431
31.0	1228.706	1208.142	1199.145	1197.217	1191.434
31.5	1219.067	1198.503	1189.506	1187.578	1181.794
32.0	1208.785	1188.221	1179.866	1177.296	1172.155
32.5	1198.503	1178.581	1170.227	1167.657	1161.873
33.0	1188.221	1168.942	1160.588	1158.017	1151.591
33.5	1178.581	1158.660	1150.306	1147.735	1141.951
34.0	1167.657	1148.378	1140.666	1137.453	1131.669
34.5	1157.374	1138.096	1129.741	1127.171	1120.745
35.0	1147.092	1128.456	1119.459	1116.889	1109.820
35.5	1136.168	1117.531	1109.177	1106.607	1098.895
36.0	1125.243	1107.249	1098.895	1095.682	1088.613
36.5	1114.961	1096.967	1088.613	1085.400	1078.331
37.0	1104.036	1086.043	1077.688	1074.475	1067.406
37.5	1093.112	1075.118	1067.406	1063.551	1057.124
38.0	1081.544	1064.193	1056.482	1052.626	1046.200
38.5	1070.620	1053.269	1045.557	1042.344	1035.275
39.0	1060.338	1042.344	1034.632	1031.419	1024.993
39.5	1048.770	1031.419	1024.350	1020.495	1013.426
40.0	1037.845	1019.852	1013.426	1009.570	1003.144
40.5	1026.278	1008.927	1002.501	998.645	992.219
41.0	1015.353	997.360	991.576	987.078	980.652
41.5	1003.786	986.435	980.009	976.153	969.084
42.0	992.861	974.868	969.084	965.228	958.160
42.5	981.937	963.943	958.160	953.661	947.235
43.0	970.369	953.018	947.235	942.736	935.668
43.5	959.445	941.451	935.668	931.812	924.743
44.0	947.877	929.884	924.100	920.244	913.818
44.5	936.310	918.317	912.533	908.677	902.251
45.0	924.743	907.392	901.608	897.110	891.326
45.5	913.818	895.825	890.041	886.185	880.401
46.0	902.251	884.257	878.474	874.618	869.477
46.5	890.684	872.690	867.549	863.693	858.552
47.0	879.116	861.123	855.982	852.126	846.985
47.5	866.906	849.555	844.414	840.558	836.060
48.0	855.339	837.988	832.847	829.634	824.493
48.5	843.772	826.421	821.922	818.066	812.925
49.0	831.562	814.853	810.355	806.499	802.001
49.5	819.994	803.286	798.788	795.574	791.076
50.0	807.784	791.719	787.220	784.007	779.509
50.5	795.574	780.151	775.653	772.440	768.584
51.0	783.364	768.584	764.086	760.872	757.017
51.5	771.797	757.017	752.518	749.948	745.449
52.0	760.230	745.449	740.951	738.380	734.525
52.5	748.020	733.882	729.384	727.456	722.957
53.0	736.453	722.315	717.816	715.888	711.390
53.5	724.243	710.747	706.249	704.321	699.823
54.0	712.675	699.180	695.324	693.396	688.255
54.5	701.108	688.255	683.757	681.829	676.688

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55.0	689.541	677.331	672.832	670.904	665.763
55.5	678.616	665.763	661.265	659.337	654.839
56.0	666.406	654.196	649.698	648.412	643.271
56.5	654.839	643.271	638.452	637.038	631.961
57.0	643.914	631.704	627.077	625.535	620.715
57.5	632.604	620.522	615.767	614.353	609.341
58.0	621.294	609.469	604.392	603.107	598.095
58.5	609.919	598.352	593.211	592.054	587.298
59.0	598.737	587.170	581.965	580.872	576.309
59.5	587.877	575.860	570.526	569.755	565.449
60.0	576.759	564.614	559.216	558.573	554.396
60.5	565.770	553.625	548.291	547.327	543.214
61.0	554.974	542.636	537.430	536.338	532.289
61.5	543.407	531.775	526.634	525.413	521.493
62.0	532.032	520.594	515.453	514.553	510.440
62.5	520.401	510.247	504.913	504.207	499.965
63.0	509.219	501.122	496.816	496.495	493.025
63.5	497.909	491.161	487.755	487.048	483.450
64.0	491.097	481.457	478.373	476.959	472.846
64.5	480.494	471.111	467.769	466.484	462.628
65.0	468.605	460.058	457.295	456.074	452.346
65.5	456.459	448.876	446.370	445.792	442.000
66.0	444.763	437.952	435.702	435.445	431.397
66.5	433.196	426.770	424.842	424.842	421.243
67.0	421.757	415.652	414.110	414.303	411.025
67.5	410.511	404.728	403.314	403.699	400.486
68.0	399.137	393.803	392.518	393.032	389.690
68.5	387.698	382.685	381.657	382.364	379.087
69.0	375.874	371.504	370.733	371.118	368.098
69.5	364.371	360.515	359.615	360.065	357.302
70.0	352.996	349.397	348.755	348.947	346.505
70.5	341.814	338.216	337.766	337.958	335.645
71.0	330.375	327.098	326.970	327.227	324.720
71.5	318.937	315.981	316.238	316.430	314.245
72.0	307.819	304.799	305.313	305.570	303.706
72.5	296.702	293.810	294.645	294.902	293.360
73.0	285.713	283.078	284.235	284.556	283.207
73.5	275.045	272.475	273.824	274.402	272.924
74.0	264.506	261.871	263.542	263.992	263.028
74.5	253.967	251.461	253.324	253.774	253.067
75.0	243.364	241.114	243.235	243.685	243.106
75.5	232.889	230.768	233.210	233.788	233.146
76.0	222.285	220.807	223.314	223.956	223.442
76.5	212.260	210.975	213.481	214.188	213.738
77.0	202.492	201.079	203.842	204.484	203.778
77.5	192.403	191.439	194.202	194.717	194.010
78.0	182.571	181.800	184.563	185.334	184.627
78.5	172.803	172.417	175.052	175.952	175.373
79.0	163.421	163.035	165.734	166.826	166.377
79.5	154.038	153.845	156.544	157.701	157.316
80.0	144.784	144.849	147.355	148.961	148.447
80.5	135.466	136.045	138.615	140.157	139.772
81.0	126.534	127.433	129.940	131.546	131.289
81.5	117.922	118.886	121.457	123.063	122.871
82.0	109.890	110.532	113.167	114.838	114.645
82.5	101.857	102.435	105.006	106.676	106.548

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83.0	93.824	94.723	96.973	98.708	98.836
83.5	85.919	87.012	89.197	90.868	91.253
84.0	78.529	79.429	81.485	83.092	83.670
84.5	71.010	71.974	73.902	75.509	76.087
85.0	64.006	64.777	66.576	67.990	68.504
85.5	57.194	57.580	59.122	60.600	61.114
86.0	50.511	50.639	51.989	53.338	53.981
86.5	43.892	43.892	45.113	46.334	46.912
87.0	37.208	37.208	38.108	39.650	40.100
87.5	30.589	30.653	31.489	33.031	33.609
88.0	24.291	24.227	25.063	26.733	27.376
88.5	18.251	17.865	18.958	20.436	21.335
89.0	11.824	11.632	13.110	14.523	15.487
89.5	5.462	6.491	7.840	8.933	9.254
90.0	0.000	0.000	0.000	0.000	0.000
90.5	4.042	2.130	1.966	1.912	2.076
91.0	8.904	4.698	3.824	3.769	3.714
91.5	14.311	9.559	5.681	5.626	5.572
92.0	19.774	15.895	8.194	7.320	7.320
92.5	25.455	22.450	12.673	9.177	9.013
93.0	31.354	28.732	17.916	12.181	10.979
93.5	37.308	34.741	23.543	16.442	14.311
94.0	43.153	40.640	29.770	21.522	18.845
94.5	49.161	46.539	36.270	26.765	23.761
95.0	55.060	52.602	42.661	32.119	28.623
95.5	60.960	58.283	48.888	37.636	33.757
96.0	66.586	64.073	55.006	43.371	39.001
96.5	72.267	69.863	61.124	49.216	44.409
97.0	77.784	75.544	67.187	55.060	50.144
97.5	83.465	81.280	73.305	61.014	55.880
98.0	89.091	86.906	79.259	66.914	61.670
98.5	94.717	92.587	84.994	72.922	67.460
99.0	100.453	98.431	90.839	78.658	73.305
99.5	106.243	104.222	96.738	84.393	79.040
100.0	111.923	110.066	102.637	90.293	84.666
100.5	117.823	115.911	108.537	96.410	90.347
101.0	123.886	121.756	114.545	102.583	96.520
101.5	130.058	127.710	120.663	108.755	102.911
102.0	136.067	133.882	126.781	114.928	109.247
102.5	142.349	140.000	133.117	121.100	115.529
103.0	148.794	146.336	139.399	127.218	121.920
103.5	155.240	152.782	146.063	133.773	128.256
104.0	161.849	159.282	152.836	140.546	134.865
104.5	168.677	166.055	159.610	147.483	141.475
105.0	175.669	172.992	166.328	154.311	148.193
105.5	182.825	180.039	173.266	161.194	154.857
106.0	190.090	187.140	180.312	168.186	161.522
106.5	197.409	194.459	187.686	175.232	168.240
107.0	205.220	202.107	195.552	182.715	175.560
107.5	213.305	209.973	203.527	190.636	183.480
108.0	221.334	218.057	211.666	199.212	191.619
108.5	229.801	226.305	219.805	207.788	200.031
109.0	238.486	234.717	228.162	216.473	208.552
109.5	247.390	243.457	236.957	225.103	217.183
110.0	256.894	252.415	245.969	233.952	226.196
110.5	266.617	261.592	255.201	243.457	235.536

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111.0	276.449	271.205	264.760	253.344	244.932
111.5	286.500	281.092	274.483	263.394	254.600
112.0	296.933	291.252	284.151	273.445	263.831
112.5	307.421	301.685	293.929	283.441	273.609
113.0	318.400	312.446	304.253	293.765	283.823
113.5	329.707	323.699	315.177	304.908	294.803
114.0	341.178	335.169	326.757	316.761	306.984
114.5	353.031	347.023	338.556	329.106	319.930
115.0	365.048	359.204	350.792	341.560	333.039
115.5	377.612	371.494	363.355	353.960	345.985
116.0	390.285	384.276	376.356	367.015	359.149
116.5	403.667	397.386	389.793	380.398	373.187
117.0	417.596	410.768	403.340	394.818	387.663
117.5	427.865	421.201	415.739	408.092	402.356
118.0	440.975	433.382	428.466	421.802	415.411
118.5	456.215	447.912	441.467	434.530	427.155
119.0	471.127	462.224	456.215	448.950	440.210
119.5	486.203	477.464	471.837	463.589	454.849
120.0	501.771	493.250	487.514	479.594	470.308
120.5	517.229	509.254	503.683	496.582	486.804
121.0	533.453	525.587	519.961	513.515	504.338
121.5	549.512	541.755	536.184	530.667	521.490
122.0	566.445	558.252	553.336	547.873	538.696
122.5	582.832	574.639	570.269	564.806	554.974
123.0	599.765	592.118	587.748	583.378	573.000
123.5	617.245	609.598	606.320	601.950	591.572
124.0	634.724	627.623	624.346	620.522	610.690
124.5	652.204	645.103	642.372	638.548	629.262
125.0	669.683	662.582	659.851	656.574	647.288
125.5	687.709	680.608	677.877	674.600	664.767
126.0	705.189	698.088	696.449	692.625	682.247
126.5	722.668	715.567	715.021	711.744	700.819
127.0	740.694	733.593	733.593	730.862	720.483
127.5	758.720	751.072	751.072	749.434	740.148
128.0	776.199	768.552	769.098	768.006	758.720
128.5	793.679	785.485	786.578	786.578	776.745
129.0	811.158	802.418	804.057	804.603	795.317
129.5	828.638	819.898	822.083	823.175	814.436
130.0	846.117	837.377	840.109	841.747	834.646
130.5	863.597	854.311	858.681	859.773	853.764
131.0	881.076	871.244	876.160	877.253	871.244
131.5	897.463	887.631	893.640	893.640	888.177
132.0	914.397	904.018	910.573	911.119	904.564
132.5	930.784	920.951	927.506	928.052	920.951
133.0	947.171	937.885	943.893	944.986	936.792
133.5	963.558	954.272	960.826	961.919	953.725
134.0	979.945	970.112	976.667	978.306	970.112
134.5	994.693	985.953	991.962	993.054	985.953
135.0	1009.441	1001.248	1006.710	1007.803	1000.155
135.5	1023.643	1017.089	1021.458	1022.005	1014.357
136.0	1037.845	1031.837	1035.114	1036.753	1029.106
136.5	1052.594	1046.039	1048.770	1051.501	1044.400
137.0	1066.250	1060.241	1062.972	1065.157	1058.602
137.5	1079.906	1073.351	1076.082	1077.721	1071.166
138.0	1093.015	1086.460	1088.645	1089.738	1083.183
138.5	1106.125	1099.024	1101.209	1101.755	1094.654

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	1118.688	1111.587	1113.772	1113.772	1106.125
139.5	1131.252	1124.151	1125.789	1125.243	1117.049
140.0	1143.269	1135.621	1137.806	1137.260	1129.067
140.5	1154.740	1146.546	1148.731	1148.185	1139.445
141.0	1166.211	1158.017	1159.656	1158.563	1149.824
141.5	1176.589	1168.396	1170.580	1168.942	1159.110
142.0	1187.514	1179.320	1180.959	1178.774	1168.942
142.5	1197.892	1189.699	1191.337	1189.152	1178.228
143.0	1208.271	1199.531	1201.170	1198.985	1188.060
143.5	1218.103	1209.909	1211.002	1208.817	1197.346
144.0	1227.389	1219.742	1220.288	1217.557	1206.086
144.5	1236.675	1229.028	1229.574	1226.296	1214.825
145.0	1245.415	1238.314	1238.314	1234.490	1223.019
145.5	1254.701	1247.600	1247.053	1243.776	1231.759
146.0	1263.440	1256.339	1255.793	1251.969	1240.498
146.5	1272.180	1265.079	1263.987	1260.709	1249.238
147.0	1280.374	1273.819	1271.634	1269.449	1257.978
147.5	1288.567	1282.012	1279.827	1277.642	1266.172
148.0	1296.761	1290.206	1286.928	1285.290	1274.911
148.5	1304.954	1298.399	1294.029	1292.937	1283.651
149.0	1312.601	1306.593	1301.131	1300.584	1292.391
149.5	1320.249	1314.240	1307.685	1308.232	1300.584
150.0	1327.896	1321.887	1314.786	1315.333	1308.232
150.5	1335.543	1329.535	1321.341	1321.887	1315.879
151.0	1342.644	1336.636	1327.896	1328.442	1322.980
151.5	1350.292	1343.737	1334.997	1334.997	1329.535
152.0	1357.393	1350.838	1341.552	1341.006	1336.090
152.5	1364.494	1357.393	1348.107	1347.560	1342.098
153.0	1371.595	1363.947	1354.661	1354.115	1347.560
153.5	1378.150	1370.502	1361.216	1360.670	1352.477
154.0	1384.704	1377.057	1368.317	1367.225	1357.939
154.5	1391.805	1383.066	1374.872	1373.233	1363.401
155.0	1398.360	1389.074	1381.427	1379.788	1369.410
155.5	1404.369	1394.537	1387.982	1386.343	1375.418
156.0	1410.377	1400.545	1395.083	1392.352	1381.427
156.5	1416.386	1406.554	1401.638	1398.906	1387.436
157.0	1422.395	1412.562	1408.192	1405.461	1393.444
157.5	1427.857	1418.025	1414.201	1411.470	1399.453
158.0	1433.319	1423.487	1420.210	1417.478	1405.461
158.5	1439.328	1429.496	1426.218	1423.487	1412.016
159.0	1444.244	1434.958	1431.681	1429.496	1418.025
159.5	1449.706	1440.420	1437.143	1435.504	1424.033
160.0	1454.622	1445.336	1442.605	1440.967	1430.042
160.5	1459.539	1450.253	1447.521	1446.429	1436.050
161.0	1464.455	1455.169	1452.437	1451.891	1442.059
161.5	1469.371	1460.631	1456.807	1457.354	1448.068
162.0	1474.833	1465.547	1461.177	1462.816	1453.530
162.5	1479.749	1470.463	1465.547	1467.732	1458.446
163.0	1484.665	1475.379	1469.917	1472.648	1463.362
163.5	1489.581	1479.749	1474.287	1477.564	1467.732
164.0	1494.498	1484.119	1478.110	1481.934	1472.102
164.5	1498.321	1488.489	1481.934	1486.304	1476.472
165.0	1502.691	1492.859	1485.758	1490.674	1480.295
165.5	1507.061	1496.682	1489.581	1494.498	1484.119
166.0	1511.431	1500.506	1493.405	1498.321	1487.396
166.5	1515.801	1504.330	1497.229	1501.599	1491.220

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1519.624	1507.607	1500.506	1504.876	1494.498
167.5	1523.448	1510.885	1504.330	1508.153	1498.321
168.0	1527.272	1514.162	1507.607	1511.431	1501.599
168.5	1531.095	1517.439	1510.885	1514.708	1505.422
169.0	1534.373	1520.171	1514.162	1517.439	1508.700
169.5	1537.104	1522.902	1516.893	1520.171	1511.977
170.0	1539.835	1525.633	1519.624	1522.902	1515.801
170.5	1542.566	1528.364	1521.809	1525.633	1518.532
171.0	1545.297	1530.549	1523.994	1528.364	1521.263
171.5	1547.482	1532.734	1526.179	1531.095	1523.994
172.0	1549.667	1534.919	1527.818	1533.280	1526.179
172.5	1551.852	1537.104	1529.457	1534.919	1527.818
173.0	1554.037	1539.289	1531.095	1537.104	1528.910
173.5	1555.676	1540.927	1532.734	1538.196	1530.003
174.0	1557.314	1542.566	1534.373	1539.289	1530.549
174.5	1558.407	1543.659	1535.465	1540.381	1531.095
175.0	1559.499	1545.297	1536.558	1540.927	1531.095
175.5	1560.592	1546.390	1538.196	1541.474	1531.641
176.0	1561.684	1547.482	1539.289	1541.474	1531.641
176.5	1562.231	1548.575	1539.835	1542.020	1531.641
177.0	1562.777	1549.667	1540.927	1542.020	1531.095
177.5	1563.869	1550.760	1542.020	1542.020	1531.095
178.0	1564.416	1550.760	1542.566	1542.020	1531.641
178.5	1564.416	1551.306	1543.112	1542.020	1531.641
179.0	1564.962	1551.852	1543.112	1542.020	1531.641
179.5	1565.508	1551.852	1543.659	1542.020	1531.641
180.0	1546.390	1546.390	1546.390	1546.390	1546.390

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	553.68	N.A.	7.00
0-30	1157.56	N.A.	14.70
0-40	1859.64	N.A.	23.70
0-60	3159.95	N.A.	40.20
0-80	3869.71	N.A.	49.30
0-90	3944.71	N.A.	50.20
10-90	3800.18	N.A.	48.40
20-40	1305.96	N.A.	16.60
20-50	2002.91	N.A.	25.50
40-70	1752.21	N.A.	22.30
60-80	709.76	N.A.	9.00
70-80	257.86	N.A.	3.30
80-90	75.00	N.A.	1.00
90-110	223.79	N.A.	2.80
90-120	574.49	N.A.	7.30
90-130	1163.82	N.A.	14.80
90-150	2706.95	N.A.	34.50
90-180	3912.26	N.A.	49.80
110-180	3688.47	N.A.	46.90
0-180	7856.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.52
10-20	409.16
20-30	603.88
30-40	702.08
40-50	696.95
50-60	603.35
60-70	451.90
70-80	257.86
80-90	75.00
90-100	48.27
100-110	175.52
110-120	350.70
120-130	589.33
130-140	770.60
140-150	772.53
150-160	638.15
160-170	420.51
170-180	146.65

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-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-L15-935U-L8-935D-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	16.0	16.9	17.0	17.9	19.1	15.9	16.8	16.9	17.8	19.0
	3H	17.8	18.6	18.8	19.5	20.8	17.7	18.5	18.7	19.5	20.7
	4H	18.4	19.1	19.4	20.1	21.4	18.3	19.1	19.3	20.0	21.3
	6H	18.8	19.5	19.8	20.5	21.8	18.8	19.5	19.8	20.5	21.8
	8H	19.0	19.6	20.0	20.6	21.9	18.9	19.6	19.9	20.6	21.9
	12H	19.0	19.7	20.0	20.7	22.0	19.0	19.6	20.0	20.6	22.0

UGR Viewed Endwise

4H	2H	16.6	17.3	17.6	18.3	19.6	16.5	17.2	17.5	18.2	19.5
	3H	18.5	19.1	19.5	20.2	21.5	18.5	19.1	19.5	20.1	21.4
	4H	19.3	19.8	20.3	20.8	22.2	19.2	19.8	20.2	20.8	22.1
	6H	19.8	20.3	20.8	21.3	22.7	19.8	20.3	20.8	21.3	22.7
	8H	20.0	20.5	21.0	21.5	22.8	20.0	20.5	21.0	21.5	22.8
	12H	20.1	20.5	21.2	21.6	22.9	20.1	20.5	21.2	21.6	22.9

8H	4H	19.5	20.0	20.5	21.0	22.3	19.5	19.9	20.5	20.9	22.3
	6H	20.2	20.6	21.2	21.6	23.0	20.2	20.6	21.2	21.6	23.0
	8H	20.5	20.8	21.5	21.8	23.2	20.5	20.8	21.5	21.9	23.2
	12H	20.7	20.9	21.7	22.0	23.4	20.7	21.0	21.8	22.0	23.4

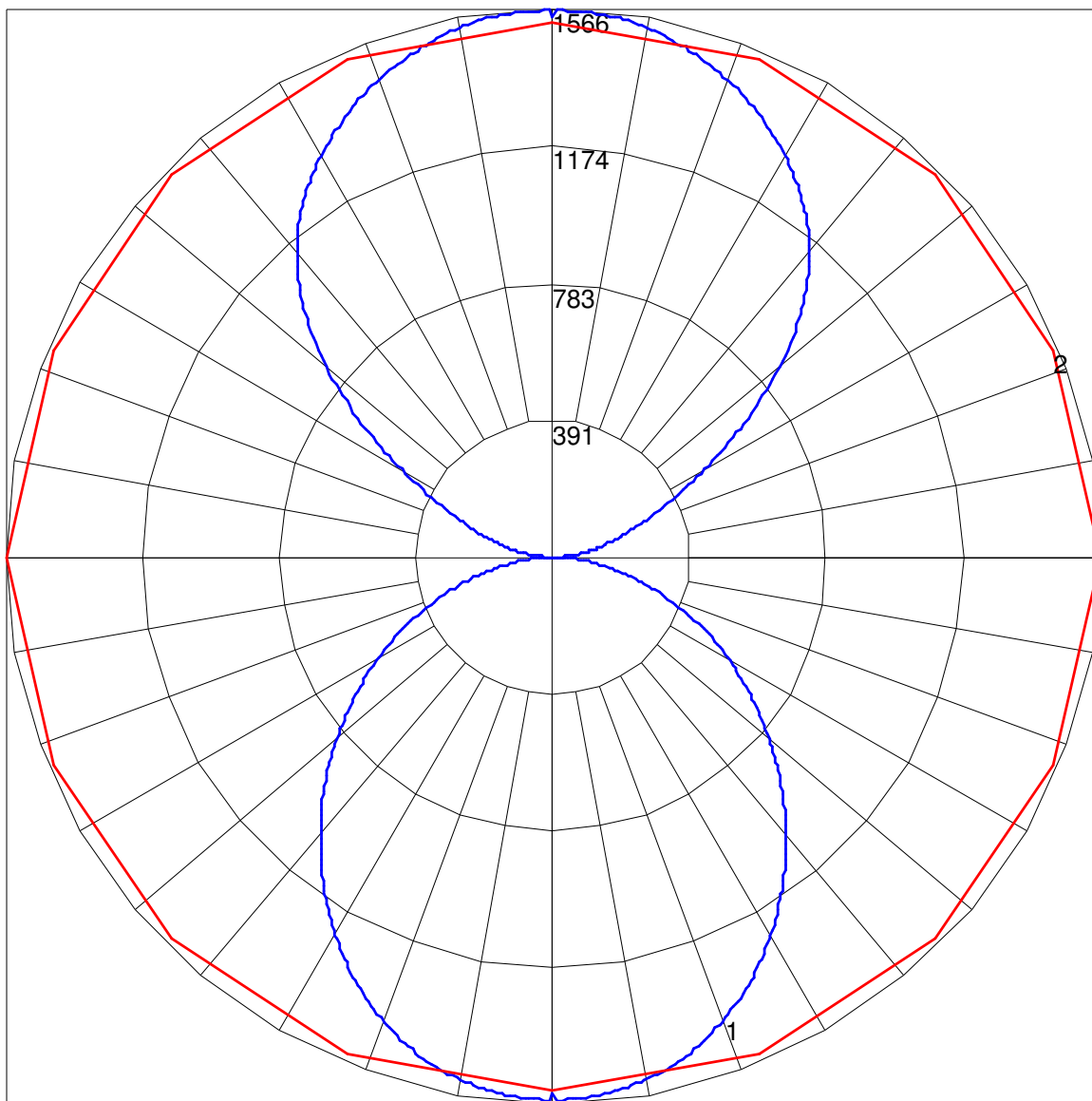
12H	4H	19.5	19.9	20.5	21.0	22.3	19.5	19.9	20.5	20.9	22.3
	6H	20.2	20.6	21.3	21.6	23.0	20.2	20.6	21.3	21.6	23.0
	8H	20.5	20.8	21.6	21.9	23.3	20.6	20.8	21.6	21.9	23.3

Maximum UGR = 23.4

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4-00-L15-935U-L8-935D-F-F-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1565.508 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.)