



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM 13012869.08

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 04-14-2020

[MANUFAC] H E Williams Inc

[LUMCAT] MX2UD-6'00-L4/940U-L8/940D-F/F-DIM-UNV

[LUMINAIRE] Formed White aluminum housing, lens enclosures

[LAMP] 144 White Downlight LEDs/144 White Uplight LEDs

[BALLAST] Two Philips Advance XI040C110V054BST1 Driver

[OTHER] 24.1 C, 120.029 V, 0.426041 A, 50.7654 W, 0.992725 PF, 60 Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6029
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	60.6
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 w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10033	3961	2966
55	8615	2757	1993
65	7245	1781	1254
75	5474	953	670
85	2844	295	220

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1287.252	1287.252	1287.252	1287.252	1287.252
0.5	1283.401	1294.954	1284.364	1285.326	1285.326
1.0	1283.401	1293.992	1284.364	1285.326	1285.326
1.5	1283.401	1293.992	1284.364	1285.326	1286.289
2.0	1282.438	1293.992	1283.401	1285.326	1286.289
2.5	1282.438	1293.029	1283.401	1286.289	1286.289
3.0	1281.475	1292.066	1282.438	1285.326	1285.326
3.5	1280.513	1291.103	1281.475	1285.326	1285.326
4.0	1278.587	1290.140	1280.513	1284.364	1284.364
4.5	1277.624	1289.178	1279.550	1283.401	1283.401
5.0	1276.661	1287.252	1277.624	1282.438	1281.475
5.5	1274.736	1286.289	1276.661	1280.513	1279.550
6.0	1272.810	1284.364	1274.736	1278.587	1277.624
6.5	1270.885	1282.438	1272.810	1275.699	1275.699
7.0	1268.959	1280.513	1270.885	1272.810	1272.810
7.5	1266.071	1278.587	1267.996	1269.922	1268.959
8.0	1264.145	1275.699	1266.071	1266.071	1265.108
8.5	1261.257	1272.810	1263.182	1262.220	1261.257
9.0	1258.368	1270.885	1260.294	1258.368	1257.406
9.5	1255.480	1267.996	1257.406	1254.517	1252.592
10.0	1252.592	1265.108	1253.554	1249.703	1246.815
10.5	1249.703	1262.220	1250.666	1245.852	1241.038
11.0	1246.815	1258.368	1245.852	1241.038	1236.224
11.5	1242.964	1254.517	1242.001	1235.261	1230.447
12.0	1239.113	1251.629	1237.187	1230.447	1223.708
12.5	1235.261	1247.778	1232.373	1224.671	1217.931
13.0	1231.410	1243.926	1227.559	1218.894	1211.192
13.5	1227.559	1239.113	1222.745	1213.117	1204.452
14.0	1222.745	1235.261	1216.968	1207.340	1198.675
14.5	1218.894	1230.447	1211.192	1200.601	1191.936
15.0	1214.080	1225.633	1205.415	1193.861	1184.233
15.5	1208.303	1220.819	1199.638	1187.122	1177.494
16.0	1203.489	1216.006	1193.861	1180.382	1169.792
16.5	1198.675	1210.229	1187.122	1172.680	1162.089
17.0	1193.861	1204.452	1180.382	1165.940	1155.350
17.5	1188.085	1199.638	1173.643	1158.238	1147.647
18.0	1182.308	1192.899	1166.903	1150.536	1139.945
18.5	1177.494	1187.122	1160.164	1143.796	1132.243
19.0	1171.717	1181.345	1152.461	1135.131	1123.578
19.5	1165.940	1174.605	1144.759	1127.429	1115.875
20.0	1159.201	1167.866	1137.057	1119.726	1107.210
20.5	1153.424	1162.089	1129.354	1111.061	1097.582
21.0	1147.647	1154.387	1121.652	1101.433	1089.880
21.5	1140.908	1147.647	1113.950	1092.768	1079.289
22.0	1134.168	1140.908	1106.247	1084.103	1070.624
22.5	1127.429	1133.205	1097.582	1074.475	1061.959
23.0	1120.689	1126.466	1089.880	1064.847	1051.368
23.5	1113.950	1118.764	1081.215	1055.219	1041.740
24.0	1106.247	1111.061	1072.550	1045.591	1031.150
24.5	1099.508	1103.359	1064.847	1035.964	1021.522
25.0	1090.843	1095.657	1055.219	1025.373	1010.931
25.5	1083.140	1087.954	1046.554	1015.745	1001.303
26.0	1075.438	1079.289	1037.889	1006.117	991.675
26.5	1066.773	1070.624	1028.261	996.489	981.084

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

27.0	1059.071	1061.959	1019.596	985.898	970.494
27.5	1050.405	1053.294	1009.968	976.270	960.673
28.0	1040.777	1044.629	1001.303	965.680	950.468
28.5	1032.112	1035.964	990.712	955.956	940.647
29.0	1022.484	1026.336	981.084	945.943	930.923
29.5	1013.819	1017.670	971.457	935.930	920.525
30.0	1004.191	1008.043	961.251	926.205	910.030
30.5	995.526	997.452	951.142	916.000	900.403
31.0	985.898	988.787	940.840	905.698	889.523
31.5	975.308	978.196	930.249	895.300	879.125
32.0	966.643	967.605	919.755	884.613	868.630
32.5	956.148	957.496	909.068	873.348	858.232
33.0	946.809	946.713	898.092	862.469	846.968
33.5	936.700	936.507	887.309	851.589	835.992
34.0	926.494	925.724	876.333	840.517	825.690
34.5	916.577	914.652	865.261	829.156	814.810
35.0	906.661	903.869	854.477	817.795	803.161
35.5	896.744	892.508	843.502	806.338	791.318
36.0	886.731	881.821	832.044	795.169	779.957
36.5	876.525	870.749	821.068	783.520	768.308
37.0	866.223	859.965	809.804	772.062	755.695
37.5	855.248	848.989	798.828	760.413	743.371
38.0	844.946	838.014	787.467	748.570	731.144
38.5	834.066	826.845	776.491	736.632	719.301
39.0	823.187	815.966	764.938	725.174	709.288
39.5	812.115	805.279	753.769	715.354	698.409
40.0	801.235	794.784	742.408	704.186	686.663
40.5	790.067	783.712	731.240	693.499	675.109
41.0	779.380	772.833	721.131	681.945	664.037
41.5	768.596	762.242	711.984	670.584	653.254
42.0	757.524	751.266	701.105	659.705	642.760
42.5	746.548	740.579	690.899	649.114	632.650
43.0	735.861	729.892	680.116	638.812	622.733
43.5	725.656	720.168	669.621	628.799	613.106
44.0	715.835	711.407	659.320	619.075	603.670
44.5	708.326	700.912	649.114	609.543	594.427
45.0	697.735	690.610	639.101	600.204	585.088
45.5	687.337	680.405	629.280	590.961	575.942
46.0	677.131	669.910	619.653	581.911	566.795
46.5	666.829	659.416	610.025	572.765	557.745
47.0	656.720	649.018	600.589	563.714	548.599
47.5	646.418	638.620	591.058	554.664	539.548
48.0	636.309	628.414	581.622	545.518	530.498
48.5	626.200	618.208	572.091	536.467	521.544
49.0	616.090	608.099	562.655	527.225	512.686
49.5	606.077	597.990	553.124	518.271	503.829
50.0	596.160	587.977	543.688	509.317	495.067
50.5	586.147	577.964	534.157	500.363	486.498
51.0	576.134	568.047	524.625	491.505	477.930
51.5	566.218	558.130	515.190	482.647	469.361
52.0	556.205	548.213	505.947	473.886	460.792
52.5	546.192	538.489	496.704	465.221	452.319
53.0	536.179	528.669	487.654	456.556	443.943
53.5	526.262	518.945	478.700	447.891	435.278
54.0	516.441	509.413	469.842	439.418	426.805
54.5	506.621	499.785	461.081	430.753	418.333

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

55.0	496.897	490.350	452.319	422.184	409.860
55.5	487.172	481.011	443.654	413.808	401.484
56.0	477.545	471.671	434.989	405.335	393.011
56.5	468.013	462.525	426.324	397.151	384.828
57.0	458.578	453.282	417.659	388.871	376.740
57.5	449.238	444.039	408.994	380.784	368.845
58.0	440.092	434.797	400.425	372.697	360.950
58.5	430.945	425.650	391.856	364.802	353.344
59.0	422.184	416.696	383.480	356.907	345.642
59.5	413.519	407.838	375.007	349.108	338.132
60.0	404.854	398.981	366.727	341.406	330.719
60.5	396.285	390.219	358.544	333.800	323.305
61.0	387.620	381.458	350.456	326.290	315.988
61.5	378.955	372.889	342.369	318.877	308.767
62.0	370.193	364.320	334.377	311.463	301.739
62.5	361.528	355.848	326.483	304.146	294.710
63.0	352.959	347.471	318.780	297.021	287.778
63.5	344.487	339.095	310.982	289.896	280.846
64.0	336.014	330.623	303.279	282.772	274.010
64.5	327.542	322.246	295.673	275.743	267.175
65.0	319.262	313.966	288.067	268.811	260.531
65.5	310.885	305.686	280.557	261.879	253.888
66.0	302.605	297.503	273.144	255.043	247.245
66.5	294.229	289.319	265.634	248.111	240.602
67.0	285.853	281.328	258.221	241.083	233.862
67.5	277.573	273.240	250.903	234.247	227.219
68.0	269.389	265.153	243.586	227.411	220.672
68.5	261.205	257.162	236.173	220.672	214.125
69.0	253.118	249.074	228.952	213.932	207.578
69.5	245.030	241.179	221.635	207.193	201.223
70.0	236.847	233.284	214.510	200.549	194.773
70.5	228.759	225.486	207.385	194.002	188.515
71.0	220.768	217.591	200.261	187.552	182.353
71.5	212.777	209.792	193.329	181.101	176.383
72.0	204.978	201.994	186.685	174.843	170.510
72.5	197.180	194.388	179.946	168.777	164.637
73.0	189.477	186.878	173.206	162.712	158.861
73.5	181.775	179.464	166.563	156.742	153.180
74.0	174.265	172.051	160.016	150.869	147.500
74.5	166.755	164.830	153.662	145.093	141.915
75.0	159.342	157.705	147.307	139.412	136.331
75.5	152.121	150.581	141.049	133.828	130.940
76.0	144.900	143.648	134.887	128.340	125.644
76.5	137.872	136.813	128.821	122.852	120.445
77.0	130.940	130.073	122.852	117.461	115.150
77.5	124.008	123.430	116.979	112.261	110.047
78.0	117.268	116.883	111.299	106.966	104.848
78.5	110.625	110.528	105.618	101.863	99.841
79.0	104.174	104.270	100.227	96.761	95.028
79.5	97.820	98.108	94.835	91.850	90.214
80.0	91.561	92.139	89.636	86.940	85.496
80.5	85.400	86.362	84.437	82.126	80.874
81.0	79.527	80.682	79.334	77.505	76.349
81.5	73.846	75.194	74.327	72.883	71.921
82.0	68.166	69.802	69.417	68.262	67.492
82.5	62.678	64.411	64.700	63.833	63.255

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

83.0	57.382	59.308	59.886	59.501	58.923
83.5	52.183	54.301	55.264	55.168	54.783
84.0	47.177	49.584	50.835	50.932	50.739
84.5	42.363	44.962	46.407	46.792	46.599
85.0	37.741	40.437	42.074	42.748	42.555
85.5	33.313	36.105	37.934	38.800	38.704
86.0	28.980	31.772	33.890	34.853	34.853
86.5	24.840	27.728	29.943	31.098	31.098
87.0	20.796	23.685	26.092	27.440	27.440
87.5	16.849	19.834	22.240	23.781	23.781
88.0	12.998	16.079	18.582	20.219	20.315
88.5	9.147	12.420	14.923	16.945	17.041
89.0	5.295	8.376	11.072	13.094	12.613
89.5	2.600	5.007	7.028	8.280	7.799
90.0	2.311	3.659	4.525	4.814	3.947
90.5	2.600	5.392	7.317	7.799	7.702
91.0	5.295	6.643	8.473	10.109	10.206
91.5	9.243	8.858	9.724	10.880	10.976
92.0	13.768	11.939	11.553	12.420	12.420
92.5	18.389	15.308	13.479	14.153	14.153
93.0	23.011	19.063	15.693	15.982	15.886
93.5	27.728	22.818	18.486	17.908	17.812
94.0	32.446	26.573	21.663	19.930	19.737
94.5	37.164	30.520	25.129	22.144	21.759
95.0	41.881	34.660	28.884	24.744	23.877
95.5	46.503	38.993	32.735	27.632	26.380
96.0	51.221	43.518	36.490	30.809	29.173
96.5	55.842	48.140	40.148	34.275	32.157
97.0	60.560	52.857	43.614	37.934	35.623
97.5	65.277	57.479	47.080	41.689	39.186
98.0	69.995	62.196	50.643	45.347	42.844
98.5	74.713	66.818	54.109	48.910	46.503
99.0	79.430	71.535	57.575	52.376	50.065
99.5	84.148	76.253	61.234	55.842	53.627
100.0	88.866	80.971	64.892	59.212	56.997
100.5	93.680	85.785	68.647	62.678	60.463
101.0	98.397	90.599	72.498	66.144	63.929
101.5	103.308	95.413	76.349	69.706	67.395
102.0	108.218	100.323	80.489	73.172	70.958
102.5	113.321	105.329	84.629	76.734	74.520
103.0	118.423	110.432	88.769	80.393	77.986
103.5	123.719	115.631	93.102	84.148	81.645
104.0	129.110	120.927	97.627	87.903	85.400
104.5	134.406	126.318	102.152	91.850	89.251
105.0	139.797	131.806	106.870	95.798	93.198
105.5	145.285	137.390	111.684	99.841	97.146
106.0	150.966	143.071	116.690	103.981	101.286
106.5	156.839	148.944	121.889	108.314	105.426
107.0	162.904	155.009	127.281	112.647	109.758
107.5	169.066	161.171	132.865	117.172	114.091
108.0	175.517	167.526	138.546	121.889	118.616
108.5	182.160	174.073	144.515	126.800	123.237
109.0	188.996	180.812	150.581	131.806	128.051
109.5	195.928	187.648	156.935	137.005	133.058
110.0	203.245	194.773	163.482	142.397	138.161
110.5	210.659	202.186	170.318	148.077	143.456

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES

CANDELA TABULATION - (Cont.)

111.0	218.457	209.696	177.442	153.950	148.944
111.5	226.352	217.495	184.856	160.208	154.721
112.0	234.729	225.678	192.558	166.659	160.882
112.5	243.297	234.055	200.549	173.495	167.141
113.0	252.155	242.816	208.926	180.523	173.784
113.5	261.302	251.770	217.591	187.841	180.523
114.0	270.833	261.013	226.545	195.543	187.841
114.5	280.557	270.544	235.884	203.630	195.350
115.0	290.667	280.461	245.512	212.007	203.342
115.5	301.065	290.667	255.621	220.768	211.525
116.0	311.656	301.161	266.019	230.011	220.190
116.5	322.631	312.041	276.803	239.735	229.144
117.0	334.089	323.017	287.971	249.748	238.676
117.5	345.835	334.474	299.428	260.243	248.593
118.0	357.966	346.124	311.270	271.122	258.798
118.5	370.386	358.255	323.498	282.290	269.389
119.0	383.095	370.675	335.918	293.844	280.461
119.5	395.996	383.384	348.819	305.975	291.918
120.0	408.994	396.477	362.106	318.395	303.761
120.5	422.377	409.860	375.681	331.297	315.988
121.0	436.048	423.628	389.642	344.679	328.697
121.5	450.105	437.685	403.891	358.544	341.983
122.0	464.451	452.127	418.525	372.697	355.655
122.5	479.181	466.665	433.449	387.427	369.904
123.0	494.201	481.492	448.565	402.447	384.443
123.5	509.413	496.512	463.969	417.755	399.366
124.0	524.721	511.820	479.566	433.449	414.674
124.5	540.319	527.128	495.356	449.624	430.464
125.0	555.916	542.726	511.435	466.087	446.831
125.5	571.417	558.419	527.610	482.936	463.391
126.0	586.821	574.209	543.881	499.978	480.144
126.5	602.322	589.999	560.152	517.308	497.282
127.0	618.112	605.981	576.712	534.831	514.901
127.5	633.998	621.963	593.176	552.546	532.616
128.0	649.788	638.138	609.640	570.261	550.524
128.5	665.481	654.120	626.007	587.977	568.432
129.0	680.790	670.007	642.182	605.788	586.436
129.5	696.291	685.796	658.357	623.504	604.729
130.0	709.770	701.008	674.339	641.315	623.215
130.5	722.479	714.102	690.129	658.934	641.508
131.0	737.113	728.737	704.186	676.361	659.897
131.5	751.844	743.179	718.724	692.825	678.190
132.0	766.286	758.006	732.107	708.903	694.461
132.5	780.728	772.544	747.030	725.271	712.369
133.0	794.977	786.697	761.857	739.616	729.988
133.5	808.745	801.042	776.395	755.310	745.104
134.0	822.128	814.714	790.837	770.811	762.146
134.5	835.414	828.386	804.797	786.023	778.706
135.0	847.834	841.383	818.758	800.946	794.688
135.5	860.447	854.285	832.429	815.292	809.996
136.0	872.674	866.897	845.716	829.637	825.112
136.5	884.131	879.317	858.810	843.309	839.939
137.0	895.492	891.063	872.000	857.173	854.189
137.5	906.564	903.002	883.939	870.460	868.149
138.0	917.636	914.363	896.359	883.361	881.436
138.5	928.516	925.724	908.009	895.781	894.048

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

139.0	938.433	936.700	919.273	908.105	906.853
139.5	948.446	947.483	930.538	919.755	918.792
140.0	958.363	957.400	941.129	931.693	930.634
140.5	967.605	967.605	951.623	942.765	941.803
141.0	977.233	977.233	962.310	953.741	952.682
141.5	985.898	986.861	972.419	964.717	963.754
142.0	994.563	996.489	983.010	974.345	974.345
142.5	1003.229	1005.154	991.675	984.936	983.973
143.0	1011.894	1013.819	1001.303	994.563	994.563
143.5	1019.596	1022.484	1010.931	1004.191	1004.191
144.0	1027.298	1030.187	1019.596	1013.819	1013.819
144.5	1035.001	1038.852	1027.298	1023.447	1023.447
145.0	1042.703	1046.554	1035.964	1032.112	1033.075
145.5	1050.405	1054.257	1043.666	1040.777	1042.703
146.0	1057.145	1061.959	1051.368	1049.443	1051.368
146.5	1064.847	1068.698	1059.071	1058.108	1060.996
147.0	1071.587	1075.438	1066.773	1065.810	1068.698
147.5	1077.364	1083.140	1073.512	1073.512	1077.364
148.0	1085.066	1089.880	1081.215	1081.215	1085.066
148.5	1091.805	1096.619	1087.954	1087.954	1092.768
149.0	1098.545	1103.359	1094.694	1094.694	1099.508
149.5	1104.322	1110.098	1101.433	1101.433	1106.247
150.0	1111.061	1115.875	1108.173	1107.210	1112.024
150.5	1116.838	1122.615	1114.912	1112.987	1117.801
151.0	1122.615	1128.392	1121.652	1119.726	1123.578
151.5	1129.354	1135.131	1127.429	1125.503	1128.392
152.0	1135.131	1140.908	1134.168	1131.280	1133.205
152.5	1140.908	1146.685	1140.908	1137.057	1138.982
153.0	1146.685	1152.461	1146.685	1142.833	1143.796
153.5	1152.461	1157.275	1152.461	1148.610	1148.610
154.0	1157.275	1163.052	1158.238	1154.387	1153.424
154.5	1163.052	1168.829	1164.015	1160.164	1159.201
155.0	1167.866	1173.643	1169.792	1165.940	1164.015
155.5	1172.680	1178.457	1175.568	1171.717	1169.792
156.0	1177.494	1183.271	1180.382	1177.494	1175.568
156.5	1182.308	1188.085	1186.159	1183.271	1181.345
157.0	1186.159	1192.899	1190.973	1189.047	1186.159
157.5	1190.973	1197.712	1195.787	1194.824	1191.936
158.0	1195.787	1202.526	1200.601	1199.638	1197.712
158.5	1200.601	1206.378	1205.415	1205.415	1202.526
159.0	1204.452	1211.192	1209.266	1210.229	1207.340
159.5	1208.303	1215.043	1214.080	1216.006	1213.117
160.0	1212.154	1218.894	1218.894	1220.819	1217.931
160.5	1216.006	1222.745	1222.745	1224.671	1222.745
161.0	1219.857	1226.596	1226.596	1229.485	1227.559
161.5	1223.708	1230.447	1230.447	1233.336	1231.410
162.0	1227.559	1234.299	1234.299	1237.187	1236.224
162.5	1231.410	1238.150	1238.150	1241.038	1240.075
163.0	1235.261	1241.038	1242.001	1244.889	1243.926
163.5	1239.113	1244.889	1244.889	1247.778	1246.815
164.0	1242.964	1248.740	1248.740	1250.666	1250.666
164.5	1245.852	1252.592	1251.629	1253.554	1253.554
165.0	1249.703	1255.480	1254.517	1256.443	1256.443
165.5	1252.592	1258.368	1256.443	1259.331	1259.331
166.0	1256.443	1262.220	1259.331	1261.257	1262.220
166.5	1259.331	1265.108	1261.257	1264.145	1264.145

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES

CANDELA TABULATION - (Cont.)

167.0	1262.220	1267.996	1264.145	1267.033	1267.996
167.5	1265.108	1270.885	1266.071	1268.959	1269.922
168.0	1267.996	1272.810	1268.959	1271.847	1271.847
168.5	1270.885	1275.699	1270.885	1273.773	1274.736
169.0	1272.810	1277.624	1272.810	1276.661	1277.624
169.5	1275.699	1280.513	1274.736	1278.587	1279.550
170.0	1277.624	1282.438	1276.661	1280.513	1282.438
170.5	1280.513	1284.364	1278.587	1282.438	1284.364
171.0	1282.438	1286.289	1279.550	1284.364	1286.289
171.5	1283.401	1287.252	1281.475	1286.289	1289.178
172.0	1286.289	1289.178	1283.401	1288.215	1291.103
172.5	1287.252	1291.103	1284.364	1290.140	1293.029
173.0	1289.178	1292.066	1286.289	1291.103	1294.954
173.5	1291.103	1293.992	1287.252	1292.066	1296.880
174.0	1292.066	1294.954	1288.215	1293.992	1297.843
174.5	1293.992	1295.917	1290.140	1294.954	1298.806
175.0	1294.954	1296.880	1291.103	1295.917	1299.768
175.5	1295.917	1297.843	1291.103	1296.880	1300.731
176.0	1297.843	1298.806	1293.029	1297.843	1301.694
176.5	1298.806	1299.768	1293.029	1297.843	1301.694
177.0	1298.806	1299.768	1293.992	1298.806	1301.694
177.5	1299.768	1300.731	1294.954	1298.806	1301.694
178.0	1300.731	1301.694	1294.954	1298.806	1302.657
178.5	1301.694	1301.694	1295.917	1299.768	1301.694
179.0	1301.694	1301.694	1295.917	1299.768	1301.694
179.5	1301.694	1301.694	1296.880	1299.768	1301.694
180.0	1299.768	1299.768	1299.768	1299.768	1299.768

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	460.75	N.A.	7.60
0-30	946.59	N.A.	15.70
0-40	1481.88	N.A.	24.60
0-60	2385.41	N.A.	39.60
0-80	2830.86	N.A.	47.00
0-90	2877.79	N.A.	47.70
10-90	2756.31	N.A.	45.70
20-40	1021.13	N.A.	16.90
20-50	1517.55	N.A.	25.20
40-70	1191.25	N.A.	19.80
60-80	445.45	N.A.	7.40
70-80	157.73	N.A.	2.60
80-90	46.93	N.A.	0.80
90-110	156.52	N.A.	2.60
90-120	405.35	N.A.	6.70
90-130	858.75	N.A.	14.20
90-150	2135.28	N.A.	35.40
90-180	3151.48	N.A.	52.30
110-180	2994.96	N.A.	49.70
0-180	6029.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.48
10-20	339.26
20-30	485.84
30-40	535.29
40-50	496.42
50-60	407.11
60-70	287.72
70-80	157.73
80-90	46.93
90-100	35.58
100-110	120.94
110-120	248.83
120-130	453.40
130-140	628.80
140-150	647.73
150-160	538.85
160-170	354.20
170-180	123.15

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-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	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	53	47	50	45	41	42	38	35	34	32	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	15
10	47	36	28	24	44	33	27	22	29	24	20	25	20	18	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L8-940D-F-F-DIM-UNV.IES

UGR TABLE - CORRECTED

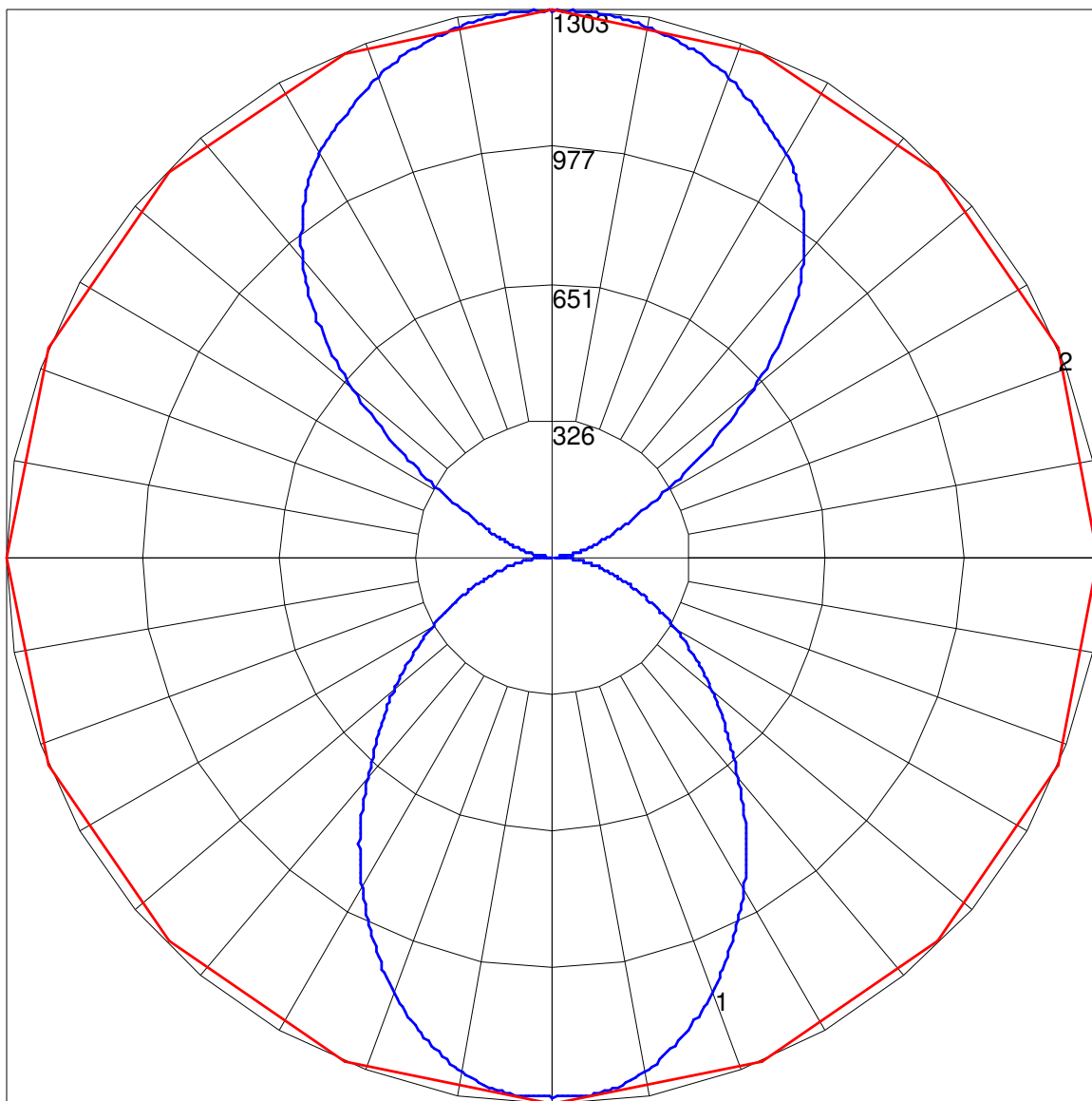
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	10.7	11.5	11.6	12.5	13.8	11.8	12.7	12.8	13.6	14.9
	3H	11.8	12.5	12.7	13.5	14.8	13.3	14.1	14.3	15.1	16.4
	4H	12.0	12.7	13.0	13.7	15.1	13.9	14.6	14.9	15.6	16.9
	6H	12.2	12.8	13.2	13.8	15.2	14.3	14.9	15.3	15.9	17.3
	8H	12.2	12.8	13.2	13.8	15.1	14.4	15.0	15.4	16.0	17.4
	12H	12.1	12.7	13.2	13.7	15.1	14.5	15.1	15.5	16.1	17.4
4H	2H	11.0	11.7	12.0	12.7	14.1	12.0	12.7	13.0	13.7	15.0
	3H	12.3	12.9	13.3	13.9	15.2	13.6	14.2	14.6	15.3	16.6
	4H	12.7	13.2	13.7	14.2	15.6	14.2	14.8	15.3	15.8	17.2
	6H	12.9	13.3	13.9	14.4	15.7	14.7	15.2	15.7	16.2	17.6
	8H	12.9	13.3	13.9	14.3	15.7	14.9	15.3	15.9	16.3	17.7
	12H	12.9	13.2	13.9	14.3	15.7	15.0	15.4	16.0	16.4	17.8
8H	4H	12.8	13.2	13.8	14.2	15.6	14.3	14.7	15.3	15.7	17.1
	6H	13.0	13.4	14.1	14.5	15.8	14.8	15.1	15.8	16.2	17.6
	8H	13.1	13.4	14.2	14.5	15.9	15.0	15.3	16.0	16.3	17.7
	12H	13.1	13.4	14.2	14.4	15.9	15.1	15.4	16.2	16.4	17.9
12H	4H	12.7	13.1	13.8	14.2	15.6	14.2	14.6	15.3	15.6	17.0
	6H	13.0	13.3	14.1	14.4	15.8	14.7	15.1	15.8	16.1	17.5
	8H	13.1	13.4	14.2	14.4	15.9	14.9	15.2	16.0	16.3	17.7

Maximum UGR = 17.9

POLAR GRAPH



Maximum Candela = 1302.657 Located At Horizontal Angle = 90, Vertical Angle = 178
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (178) (Through Max. Cd.)