



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13012869.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 31 MARCH 2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
 [LUMCAT] MX2UD-5-00-L8-935U-L8-935D-F-F-AC/Dxx-XX-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, lens enclosures
 [LAMP] 144 White Downlight LEDs/144 White Uplight LEDs

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6056
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	67
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)	5.00 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	11968	4759	3575
55	10234	3311	2402
65	8551	2138	1512
75	6379	1144	807
85	3181	354	265

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-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	1293.017	1293.017	1293.017	1293.017	1293.017
0.5	1289.149	1300.754	1290.116	1291.083	1291.083
1.0	1289.149	1299.787	1290.116	1291.083	1291.083
1.5	1289.149	1299.787	1290.116	1291.083	1292.050
2.0	1288.181	1299.787	1289.149	1291.083	1292.050
2.5	1288.181	1298.820	1289.149	1292.050	1292.050
3.0	1287.214	1297.852	1288.181	1291.083	1291.083
3.5	1286.247	1296.885	1287.214	1291.083	1291.083
4.0	1284.313	1295.918	1286.247	1290.116	1290.116
4.5	1283.346	1294.951	1285.280	1289.149	1289.149
5.0	1282.379	1293.017	1283.346	1288.181	1287.214
5.5	1280.445	1292.050	1282.379	1286.247	1285.280
6.0	1278.510	1290.116	1280.445	1284.313	1283.346
6.5	1276.576	1288.181	1278.510	1281.412	1281.412
7.0	1274.642	1286.247	1276.576	1278.510	1278.510
7.5	1271.741	1284.313	1273.675	1275.609	1274.642
8.0	1269.806	1281.412	1271.741	1271.741	1270.774
8.5	1266.905	1278.510	1268.839	1267.872	1266.905
9.0	1264.004	1276.576	1265.938	1264.004	1263.037
9.5	1261.103	1273.675	1263.037	1260.135	1258.201
10.0	1258.201	1270.774	1259.168	1255.300	1252.399
10.5	1255.300	1267.872	1256.267	1251.432	1246.596
11.0	1252.399	1264.004	1251.432	1246.596	1241.760
11.5	1248.530	1260.135	1247.563	1240.793	1235.958
12.0	1244.662	1257.234	1242.728	1235.958	1229.188
12.5	1240.793	1253.366	1237.892	1230.155	1223.386
13.0	1236.925	1249.497	1233.057	1224.353	1216.616
13.5	1233.057	1244.662	1228.221	1218.550	1209.846
14.0	1228.221	1240.793	1222.418	1212.747	1204.043
14.5	1224.353	1235.958	1216.616	1205.978	1197.274
15.0	1219.517	1231.122	1210.813	1199.208	1189.537
15.5	1213.714	1226.287	1205.011	1192.438	1182.767
16.0	1208.879	1221.451	1199.208	1185.669	1175.030
16.5	1204.043	1215.649	1192.438	1177.932	1167.294
17.0	1199.208	1209.846	1185.669	1171.162	1160.524
17.5	1193.405	1205.011	1178.899	1163.425	1152.787
18.0	1187.603	1198.241	1172.129	1155.688	1145.050
18.5	1182.767	1192.438	1165.359	1148.919	1137.313
19.0	1176.965	1186.636	1157.623	1140.215	1128.609
19.5	1171.162	1179.866	1149.886	1132.478	1120.873
20.0	1164.392	1173.096	1142.149	1124.741	1112.169
20.5	1158.590	1167.294	1134.412	1116.037	1102.498
21.0	1152.787	1159.557	1126.675	1106.366	1094.761
21.5	1146.017	1152.787	1118.938	1097.662	1084.123
22.0	1139.248	1146.017	1111.202	1088.958	1075.419
22.5	1132.478	1138.280	1102.498	1079.287	1066.715
23.0	1125.708	1131.511	1094.761	1069.616	1056.077
23.5	1118.938	1123.774	1086.057	1059.945	1046.406
24.0	1111.202	1116.037	1077.353	1050.274	1035.768
24.5	1104.432	1108.300	1069.616	1040.603	1026.096
25.0	1095.728	1100.563	1059.945	1029.965	1015.458
25.5	1087.991	1092.827	1051.241	1020.294	1005.787
26.0	1080.254	1084.123	1042.537	1010.623	996.116
26.5	1071.550	1075.419	1032.866	1000.952	985.478

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1063.814	1066.715	1024.162	990.314	974.840
27.5	1055.110	1058.011	1014.491	980.643	964.976
28.0	1045.439	1049.307	1005.787	970.004	954.724
28.5	1036.735	1040.603	995.149	960.237	944.860
29.0	1027.064	1030.932	985.478	950.179	935.092
29.5	1018.360	1022.228	975.807	940.121	924.647
30.0	1008.689	1012.557	965.556	930.353	914.106
30.5	999.985	1001.919	955.401	920.102	904.435
31.0	990.314	993.215	945.053	909.754	893.507
31.5	979.676	982.577	934.415	899.309	883.062
32.0	970.972	971.939	923.874	888.574	872.520
32.5	960.430	961.784	913.139	877.259	862.076
33.0	951.049	950.953	902.114	866.331	850.761
33.5	940.895	940.701	891.282	855.403	839.736
34.0	930.643	929.870	880.257	844.281	829.388
34.5	920.682	918.748	869.136	832.869	818.459
35.0	910.721	907.916	858.304	821.457	806.757
35.5	900.760	896.505	847.279	809.949	794.862
36.0	890.702	885.770	835.771	798.731	783.450
36.5	880.451	874.648	824.746	787.029	771.748
37.0	870.103	863.817	813.430	775.520	759.079
37.5	859.078	852.792	802.406	763.818	746.700
38.0	848.730	841.767	790.994	751.923	734.418
38.5	837.801	830.548	779.969	739.931	722.523
39.0	826.873	819.620	768.363	728.422	712.465
39.5	815.752	808.885	757.145	718.558	701.537
40.0	804.823	798.344	745.733	707.339	689.738
40.5	793.605	787.222	734.515	696.604	678.133
41.0	782.870	776.294	724.360	684.999	667.011
41.5	772.038	765.656	715.173	673.587	656.180
42.0	760.917	754.631	704.245	662.659	645.638
42.5	749.892	743.896	693.993	652.021	635.484
43.0	739.157	733.161	683.162	641.673	625.522
43.5	728.906	723.393	672.620	631.615	615.851
44.0	719.041	714.593	662.272	621.847	606.374
44.5	711.498	704.051	652.021	612.273	597.090
45.0	700.860	693.703	641.963	602.892	587.709
45.5	690.415	683.452	632.099	593.608	578.521
46.0	680.164	672.910	622.428	584.517	569.334
46.5	669.816	662.369	612.757	575.330	560.243
47.0	659.661	651.924	603.279	566.239	551.055
47.5	649.313	641.480	593.705	557.148	541.965
48.0	639.158	631.228	584.227	547.961	532.874
48.5	629.004	620.977	574.653	538.870	523.880
49.0	618.849	610.822	565.175	529.586	514.982
49.5	608.791	600.668	555.601	520.592	506.085
50.0	598.830	590.610	546.123	511.598	497.284
50.5	588.772	580.552	536.549	502.604	488.677
51.0	578.715	570.591	526.975	493.706	480.070
51.5	568.753	560.630	517.497	484.809	471.463
52.0	558.696	550.669	508.213	476.008	462.856
52.5	548.638	540.901	498.929	467.304	454.345
53.0	538.580	531.036	489.838	458.600	445.931
53.5	528.619	521.269	480.844	449.896	437.227
54.0	518.754	511.694	471.946	441.386	428.717
54.5	508.890	502.023	463.146	432.682	420.206

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	499.122	492.546	454.345	424.075	411.696
55.5	489.354	483.165	445.641	415.661	403.282
56.0	479.683	473.784	436.937	407.150	394.772
56.5	470.109	464.596	428.233	398.930	386.551
57.0	460.631	455.312	419.529	390.613	378.427
57.5	451.250	446.028	410.825	382.489	370.497
58.0	442.063	436.744	402.218	374.366	362.567
58.5	432.875	427.556	393.611	366.435	354.927
59.0	424.075	418.562	385.197	358.505	347.190
59.5	415.371	409.665	376.687	350.672	339.647
60.0	406.667	400.768	368.370	342.935	332.200
60.5	398.060	391.967	360.149	335.295	324.753
61.0	389.356	383.166	352.026	327.751	317.403
61.5	380.652	374.559	343.902	320.305	310.150
62.0	371.851	365.952	335.875	312.858	303.090
62.5	363.147	357.441	327.945	305.508	296.030
63.0	354.540	349.028	320.208	298.351	289.067
63.5	346.030	340.614	312.374	291.195	282.104
64.0	337.519	332.103	304.638	284.038	275.238
64.5	329.009	323.689	296.997	276.978	268.371
65.0	320.691	315.372	289.357	270.015	261.698
65.5	312.278	307.055	281.814	263.052	255.025
66.0	303.961	298.835	274.367	256.186	248.352
66.5	295.547	290.615	266.824	249.222	241.679
67.0	287.133	282.588	259.377	242.163	234.909
67.5	278.816	274.464	252.027	235.296	228.236
68.0	270.595	266.340	244.677	228.430	221.660
68.5	262.375	258.313	237.230	221.660	215.084
69.0	254.251	250.190	229.977	214.890	208.507
69.5	246.128	242.259	222.627	208.121	202.125
70.0	237.907	234.329	215.471	201.448	195.645
70.5	229.784	226.496	208.314	194.871	189.359
71.0	221.757	218.565	201.157	188.392	183.169
71.5	213.730	210.732	194.194	181.912	177.173
72.0	205.896	202.898	187.521	175.626	171.274
72.5	198.063	195.258	180.752	169.533	165.375
73.0	190.326	187.715	173.982	163.440	159.572
73.5	182.589	180.268	167.309	157.444	153.866
74.0	175.046	172.821	160.733	151.545	148.160
74.5	167.502	165.568	154.350	145.742	142.551
75.0	160.056	158.412	147.967	140.037	136.942
75.5	152.802	151.255	141.681	134.427	131.526
76.0	145.549	144.292	135.491	128.915	126.207
76.5	138.489	137.425	129.398	123.402	120.985
77.0	131.526	130.656	123.402	117.987	115.666
77.5	124.563	123.983	117.503	112.764	110.540
78.0	117.793	117.406	111.797	107.445	105.318
78.5	111.120	111.023	106.091	102.320	100.289
79.0	104.641	104.737	100.675	97.194	95.453
79.5	98.258	98.548	95.260	92.262	90.618
80.0	91.972	92.552	90.037	87.329	85.879
80.5	85.782	86.749	84.815	82.494	81.237
81.0	79.883	81.043	79.689	77.852	76.691
81.5	74.177	75.531	74.660	73.210	72.243
82.0	68.471	70.115	69.728	68.568	67.794
82.5	62.958	64.699	64.989	64.119	63.539

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	57.639	59.574	60.154	59.767	59.187
83.5	52.417	54.545	55.512	55.415	55.028
84.0	47.388	49.806	51.063	51.160	50.966
84.5	42.553	45.164	46.614	47.001	46.808
85.0	37.910	40.618	42.262	42.939	42.746
85.5	33.462	36.266	38.104	38.974	38.878
86.0	29.110	31.914	34.042	35.009	35.009
86.5	24.951	27.853	30.077	31.237	31.237
87.0	20.889	23.791	26.208	27.562	27.562
87.5	16.924	19.922	22.340	23.887	23.887
88.0	13.056	16.151	18.665	20.309	20.406
88.5	9.187	12.476	14.990	17.021	17.118
89.0	5.319	8.414	11.122	13.153	12.669
89.5	2.611	5.029	7.060	8.317	7.834
90.0	2.321	3.675	4.545	4.836	3.965
90.5	2.611	5.416	7.350	7.834	7.737
91.0	5.319	6.673	8.511	10.155	10.251
91.5	9.284	8.897	9.768	10.928	11.025
92.0	13.830	11.992	11.605	12.476	12.476
92.5	18.472	15.377	13.539	14.216	14.216
93.0	23.114	19.149	15.764	16.054	15.957
93.5	27.853	22.920	18.568	17.988	17.891
94.0	32.591	26.692	21.760	20.019	19.826
94.5	37.330	30.657	25.241	22.243	21.857
95.0	42.069	34.816	29.013	24.855	23.984
95.5	46.711	39.168	32.882	27.756	26.499
96.0	51.450	43.713	36.653	30.947	29.303
96.5	56.092	48.355	40.328	34.429	32.301
97.0	60.831	53.094	43.810	38.104	35.783
97.5	65.570	57.736	47.291	41.876	39.361
98.0	70.308	62.475	50.870	45.551	43.036
98.5	75.047	67.117	54.351	49.129	46.711
99.0	79.786	71.856	57.833	52.610	50.289
99.5	84.525	76.595	61.508	56.092	53.868
100.0	89.264	81.333	65.183	59.477	57.253
100.5	94.099	86.169	68.954	62.958	60.734
101.0	98.838	91.004	72.823	66.440	64.216
101.5	103.770	95.840	76.691	70.018	67.697
102.0	108.702	100.772	80.850	73.500	71.276
102.5	113.828	105.801	85.008	77.078	74.854
103.0	118.954	110.927	89.167	80.753	78.335
103.5	124.273	116.149	93.519	84.525	82.010
104.0	129.689	121.468	98.064	88.297	85.782
104.5	135.008	126.884	102.610	92.262	89.650
105.0	140.423	132.396	107.348	96.227	93.616
105.5	145.936	138.006	112.184	100.289	97.581
106.0	151.642	143.712	117.213	104.447	101.739
106.5	157.541	149.611	122.435	108.799	105.898
107.0	163.634	155.704	127.851	113.151	110.250
107.5	169.823	161.893	133.460	117.696	114.602
108.0	176.303	168.276	139.166	122.435	119.147
108.5	182.976	174.852	145.162	127.367	123.789
109.0	189.842	181.622	151.255	132.396	128.625
109.5	196.805	188.488	157.638	137.619	133.654
110.0	204.155	195.645	164.214	143.035	138.779
110.5	211.602	203.092	171.081	148.740	144.098

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

111.0	219.436	210.635	178.237	154.640	149.611
111.5	227.366	218.469	185.684	160.926	155.413
112.0	235.780	226.689	193.421	167.406	161.603
112.5	244.387	235.103	201.448	174.272	167.889
113.0	253.284	243.903	209.861	181.332	174.562
113.5	262.472	252.897	218.565	188.682	181.332
114.0	272.046	262.182	227.559	196.419	188.682
114.5	281.814	271.756	236.940	204.542	196.225
115.0	291.968	281.717	246.611	212.956	204.252
115.5	302.413	291.968	256.766	221.757	212.473
116.0	313.051	302.510	267.211	231.041	221.176
116.5	324.076	313.438	278.042	240.809	230.171
117.0	335.585	324.463	289.261	250.867	239.745
117.5	347.383	335.972	300.769	261.408	249.706
118.0	359.569	347.674	312.664	272.336	259.957
118.5	372.045	359.859	324.947	283.555	270.595
119.0	384.810	372.335	337.422	295.160	281.717
119.5	397.770	385.100	350.381	307.345	293.226
120.0	410.825	398.253	363.728	319.821	305.121
120.5	424.268	411.696	377.364	332.780	317.403
121.0	438.001	425.525	391.387	346.223	330.169
121.5	452.121	439.645	405.700	360.149	343.515
122.0	466.531	454.152	420.400	374.366	357.248
122.5	481.327	468.755	435.390	389.162	371.561
123.0	496.414	483.648	450.573	404.249	386.164
123.5	511.694	498.735	466.047	419.626	401.154
124.0	527.071	514.112	481.714	435.390	416.531
124.5	542.738	529.489	497.575	451.637	432.392
125.0	558.405	545.156	513.725	468.175	448.833
125.5	573.976	560.920	529.973	485.099	465.467
126.0	589.449	576.780	546.317	502.217	482.294
126.5	605.020	592.641	562.661	519.625	499.509
127.0	620.880	608.695	579.295	537.226	517.207
127.5	636.837	624.749	595.832	555.021	535.001
128.0	652.698	640.996	612.370	572.815	552.990
128.5	668.462	657.050	628.810	590.610	570.978
129.0	683.839	673.007	645.058	608.501	589.063
129.5	699.409	688.868	661.305	626.296	607.438
130.0	712.948	704.148	677.359	644.187	626.006
130.5	725.714	717.300	693.220	661.885	644.381
131.0	740.414	732.000	707.339	679.390	662.853
131.5	755.211	746.507	721.943	695.927	681.227
132.0	769.717	761.400	735.385	712.078	697.572
132.5	784.224	776.004	750.375	728.519	715.560
133.0	798.537	790.220	765.269	742.929	733.258
133.5	812.367	804.630	779.872	758.692	748.441
134.0	825.809	818.363	794.379	774.263	765.559
134.5	839.155	832.096	808.402	789.543	782.193
135.0	851.631	845.151	822.425	804.533	798.247
135.5	864.300	858.111	836.157	818.943	813.624
136.0	876.582	870.780	849.503	833.353	828.807
136.5	888.091	883.255	862.656	847.086	843.701
137.0	899.503	895.054	875.905	861.012	858.014
137.5	910.624	907.046	887.897	874.358	872.037
138.0	921.746	918.458	900.373	887.317	885.383
138.5	932.674	929.870	912.075	899.793	898.052

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	942.635	940.895	923.390	912.172	910.914
139.5	952.693	951.726	934.705	923.874	922.907
140.0	962.655	961.687	945.343	935.866	934.802
140.5	971.939	971.939	955.885	946.987	946.020
141.0	981.610	981.610	966.620	958.012	956.949
141.5	990.314	991.281	976.774	969.037	968.070
142.0	999.018	1000.952	987.412	978.708	978.708
142.5	1007.722	1009.656	996.116	989.347	988.379
143.0	1016.425	1018.360	1005.787	999.018	999.018
143.5	1024.162	1027.064	1015.458	1008.689	1008.689
144.0	1031.899	1034.800	1024.162	1018.360	1018.360
144.5	1039.636	1043.504	1031.899	1028.031	1028.031
145.0	1047.373	1051.241	1040.603	1036.735	1037.702
145.5	1055.110	1058.978	1048.340	1045.439	1047.373
146.0	1061.879	1066.715	1056.077	1054.142	1056.077
146.5	1069.616	1073.485	1063.814	1062.846	1065.748
147.0	1076.386	1080.254	1071.550	1070.583	1073.485
147.5	1082.188	1087.991	1078.320	1078.320	1082.188
148.0	1089.925	1094.761	1086.057	1086.057	1089.925
148.5	1096.695	1101.531	1092.827	1092.827	1097.662
149.0	1103.465	1108.300	1099.596	1099.596	1104.432
149.5	1109.267	1115.070	1106.366	1106.366	1111.202
150.0	1116.037	1120.873	1113.136	1112.169	1117.004
150.5	1121.840	1127.642	1119.905	1117.971	1122.807
151.0	1127.642	1133.445	1126.675	1124.741	1128.609
151.5	1134.412	1140.215	1132.478	1130.544	1133.445
152.0	1140.215	1146.017	1139.248	1136.346	1138.280
152.5	1146.017	1151.820	1146.017	1142.149	1144.083
153.0	1151.820	1157.623	1151.820	1147.951	1148.919
153.5	1157.623	1162.458	1157.623	1153.754	1153.754
154.0	1162.458	1168.261	1163.425	1159.557	1158.590
154.5	1168.261	1174.063	1169.228	1165.359	1164.392
155.0	1173.096	1178.899	1175.030	1171.162	1169.228
155.5	1177.932	1183.734	1180.833	1176.965	1175.030
156.0	1182.767	1188.570	1185.669	1182.767	1180.833
156.5	1187.603	1193.405	1191.471	1188.570	1186.636
157.0	1191.471	1198.241	1196.307	1194.372	1191.471
157.5	1196.307	1203.076	1201.142	1200.175	1197.274
158.0	1201.142	1207.912	1205.978	1205.011	1203.076
158.5	1205.978	1211.780	1210.813	1210.813	1207.912
159.0	1209.846	1216.616	1214.682	1215.649	1212.747
159.5	1213.714	1220.484	1219.517	1221.451	1218.550
160.0	1217.583	1224.353	1224.353	1226.287	1223.386
160.5	1221.451	1228.221	1228.221	1230.155	1228.221
161.0	1225.320	1232.089	1232.089	1234.991	1233.057
161.5	1229.188	1235.958	1235.958	1238.859	1236.925
162.0	1233.057	1239.826	1239.826	1242.728	1241.760
162.5	1236.925	1243.695	1243.695	1246.596	1245.629
163.0	1240.793	1246.596	1247.563	1250.464	1249.497
163.5	1244.662	1250.464	1250.464	1253.366	1252.399
164.0	1248.530	1254.333	1254.333	1256.267	1256.267
164.5	1251.432	1258.201	1257.234	1259.168	1259.168
165.0	1255.300	1261.103	1260.135	1262.070	1262.070
165.5	1258.201	1264.004	1262.070	1264.971	1264.971
166.0	1262.070	1267.872	1264.971	1266.905	1267.872
166.5	1264.971	1270.774	1266.905	1269.806	1269.806

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1267.872	1273.675	1269.806	1272.708	1273.675
167.5	1270.774	1276.576	1271.741	1274.642	1275.609
168.0	1273.675	1278.510	1274.642	1277.543	1277.543
168.5	1276.576	1281.412	1276.576	1279.478	1280.445
169.0	1278.510	1283.346	1278.510	1282.379	1283.346
169.5	1281.412	1286.247	1280.445	1284.313	1285.280
170.0	1283.346	1288.181	1282.379	1286.247	1288.181
170.5	1286.247	1290.116	1284.313	1288.181	1290.116
171.0	1288.181	1292.050	1285.280	1290.116	1292.050
171.5	1289.149	1293.017	1287.214	1292.050	1294.951
172.0	1292.050	1294.951	1289.149	1293.984	1296.885
172.5	1293.017	1296.885	1290.116	1295.918	1298.820
173.0	1294.951	1297.852	1292.050	1296.885	1300.754
173.5	1296.885	1299.787	1293.017	1297.852	1302.688
174.0	1297.852	1300.754	1293.984	1299.787	1303.655
174.5	1299.787	1301.721	1295.918	1300.754	1304.622
175.0	1300.754	1302.688	1296.885	1301.721	1305.589
175.5	1301.721	1303.655	1296.885	1302.688	1306.556
176.0	1303.655	1304.622	1298.820	1303.655	1307.524
176.5	1304.622	1305.589	1298.820	1303.655	1307.524
177.0	1304.622	1305.589	1299.787	1304.622	1307.524
177.5	1305.589	1306.556	1300.754	1304.622	1307.524
178.0	1306.556	1307.524	1300.754	1304.622	1308.491
178.5	1307.524	1307.524	1301.721	1305.589	1307.524
179.0	1307.524	1307.524	1301.721	1305.589	1307.524
179.5	1307.524	1307.524	1302.688	1305.589	1307.524
180.0	1305.589	1305.589	1305.589	1305.589	1305.589

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-L8-935D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	462.81	N.A.	7.60
0-30	950.83	N.A.	15.70
0-40	1488.51	N.A.	24.60
0-60	2396.09	N.A.	39.60
0-80	2843.54	N.A.	47.00
0-90	2890.68	N.A.	47.70
10-90	2768.65	N.A.	45.70
20-40	1025.7	N.A.	16.90
20-50	1524.35	N.A.	25.20
40-70	1196.59	N.A.	19.80
60-80	447.45	N.A.	7.40
70-80	158.44	N.A.	2.60
80-90	47.14	N.A.	0.80
90-110	157.22	N.A.	2.60
90-120	407.16	N.A.	6.70
90-130	862.60	N.A.	14.20
90-150	2144.84	N.A.	35.40
90-180	3165.6	N.A.	52.30
110-180	3008.37	N.A.	49.70
0-180	6056.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.03
10-20	340.78
20-30	488.02
30-40	537.68
40-50	498.65
50-60	408.93
60-70	289.01
70-80	158.44
80-90	47.14
90-100	35.74
100-110	121.48
110-120	249.94
120-130	455.43
130-140	631.62
140-150	650.63
150-160	541.26
160-170	355.79
170-180	123.70

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-L8-935U-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	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-5-00-L8-935U-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	11.4	12.2	12.4	13.2	14.5	UGR Viewed Endwise			
	3H	12.5	13.2	13.5	14.2	15.5	12.5	13.4	13.5	14.3
	4H	12.8	13.5	13.8	14.5	15.8	14.0	14.8	15.0	15.8
	6H	12.9	13.5	13.9	14.5	15.9	14.6	15.3	15.6	16.3
	8H	12.9	13.5	13.9	14.5	15.9	14.9	15.6	16.0	16.6
	12H	12.9	13.5	13.9	14.5	15.8	15.1	15.7	16.1	16.7

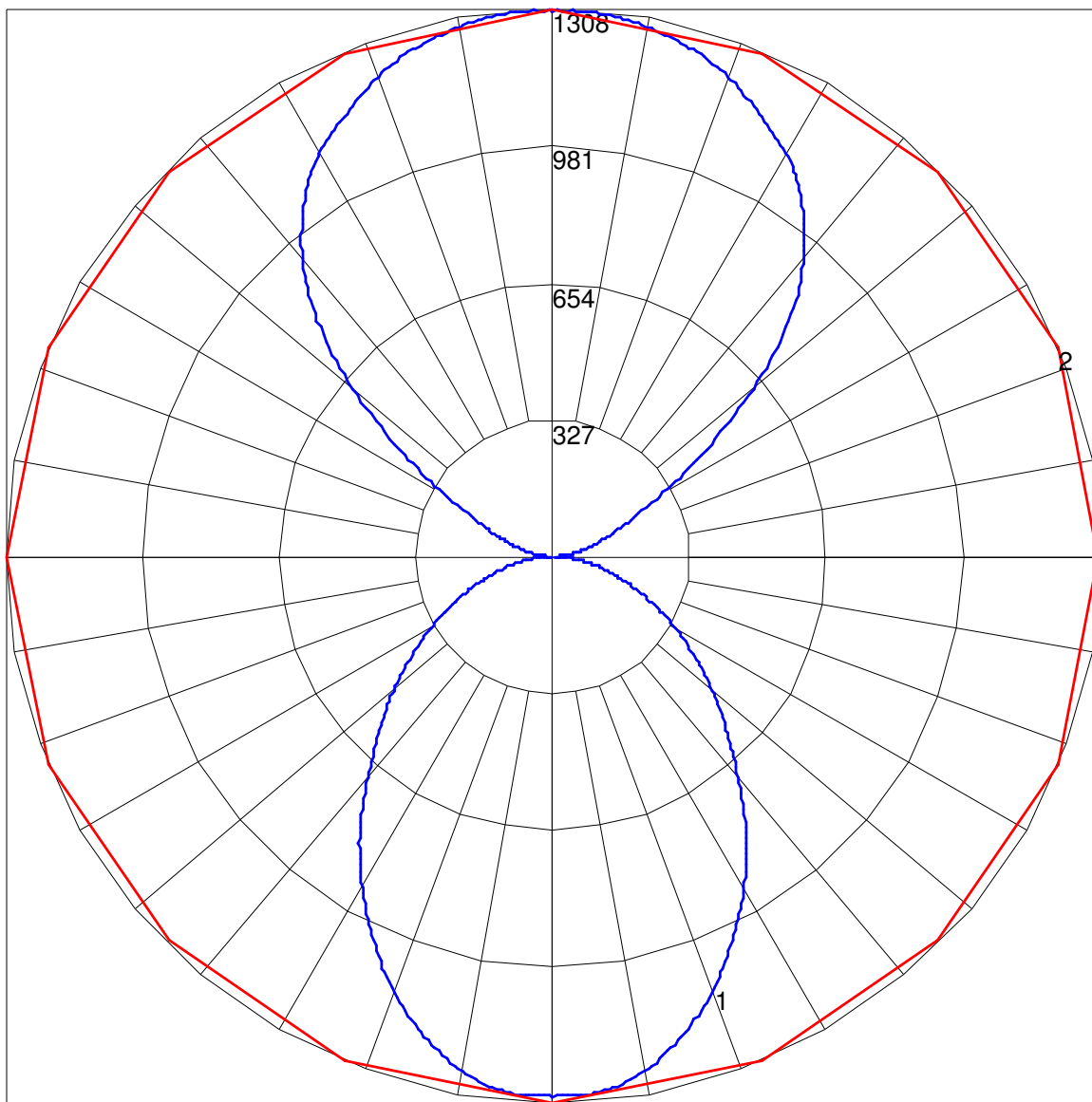
4H	2H	11.7	12.4	12.8	13.5	14.8	12.5	13.4	13.7	14.4
	3H	13.0	13.6	14.0	14.6	16.0	14.3	14.9	15.4	16.0
	4H	13.4	13.9	14.4	14.9	16.3	14.9	15.5	16.0	16.5
	6H	13.6	14.0	14.6	15.1	16.5	15.4	15.9	16.4	16.9
	8H	13.6	14.0	14.6	15.1	16.5	15.6	16.0	16.6	17.0
	12H	13.6	14.0	14.6	15.0	16.4	15.7	16.0	16.7	17.1

8H	4H	13.5	13.9	14.5	15.0	16.3	15.0	15.4	16.0	16.4
	6H	13.8	14.1	14.8	15.2	16.6	15.5	15.8	16.5	16.9
	8H	13.8	14.1	14.9	15.2	16.6	15.7	16.0	16.7	17.0
	12H	13.8	14.1	14.9	15.2	16.6	15.8	16.1	16.9	17.1

12H	4H	13.5	13.9	14.5	14.9	16.3	14.9	15.3	16.0	16.3
	6H	13.8	14.1	14.8	15.1	16.5	15.4	15.7	16.5	16.8
	8H	13.8	14.1	14.9	15.2	16.6	15.6	15.9	16.7	17.0

Maximum UGR = 18.6

POLAR GRAPH



Maximum Candela = 1308.491 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.)