



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #13012869.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 6-20-2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] MX2D-4-00-L8-935-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs
[BALLAST] One Philips Advance XI040C110V054BST1 Driver

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2764
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.96 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15447	14137	12957
55	13627	12389	11219
65	11980	10776	9757
75	9878	9049	8401
85	7125	7663	7836

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-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	1222.169	1222.169	1222.169	1222.169	1222.169
0.5	1220.312	1229.599	1219.383	1219.383	1217.526
1.0	1219.383	1229.599	1219.383	1219.383	1217.526
1.5	1219.383	1228.670	1219.383	1219.383	1217.526
2.0	1219.383	1228.670	1218.454	1219.383	1217.526
2.5	1218.454	1227.741	1218.454	1219.383	1217.526
3.0	1217.526	1227.741	1217.526	1219.383	1216.597
3.5	1216.597	1226.813	1216.597	1218.454	1215.668
4.0	1215.668	1225.884	1215.668	1217.526	1214.740
4.5	1214.740	1224.955	1213.811	1216.597	1213.811
5.0	1212.882	1223.098	1212.882	1215.668	1211.953
5.5	1211.953	1222.169	1211.025	1213.811	1211.025
6.0	1210.096	1220.312	1210.096	1211.953	1209.167
6.5	1208.239	1218.454	1208.239	1209.167	1206.381
7.0	1206.381	1216.597	1206.381	1206.381	1203.595
7.5	1204.524	1214.740	1204.524	1203.595	1200.809
8.0	1202.666	1212.882	1201.738	1199.880	1198.023
8.5	1199.880	1210.096	1199.880	1197.094	1194.308
9.0	1197.094	1208.239	1197.094	1193.379	1190.593
9.5	1195.237	1205.453	1194.308	1189.665	1185.950
10.0	1192.451	1202.666	1190.593	1185.021	1181.306
10.5	1189.665	1199.880	1187.807	1181.306	1176.663
11.0	1186.879	1197.094	1183.164	1176.663	1171.091
11.5	1183.164	1193.379	1179.449	1172.019	1166.447
12.0	1180.378	1190.593	1175.734	1167.376	1160.875
12.5	1176.663	1186.879	1171.091	1161.804	1155.303
13.0	1172.948	1183.164	1166.447	1157.160	1149.731
13.5	1169.233	1179.449	1161.804	1151.588	1145.087
14.0	1165.518	1175.734	1157.160	1146.016	1138.586
14.5	1160.875	1171.091	1151.588	1140.444	1132.085
15.0	1156.231	1166.447	1146.016	1133.943	1126.513
15.5	1152.517	1162.732	1140.444	1127.442	1120.012
16.0	1147.873	1157.160	1134.871	1121.870	1113.511
16.5	1143.230	1152.517	1129.299	1115.369	1107.010
17.0	1138.586	1146.944	1122.798	1107.939	1099.581
17.5	1133.943	1142.301	1116.297	1101.438	1093.080
18.0	1128.370	1136.729	1109.796	1094.009	1085.650
18.5	1123.727	1131.157	1103.296	1087.508	1078.221
19.0	1118.155	1125.584	1096.795	1080.078	1070.791
19.5	1112.583	1119.083	1090.294	1072.648	1063.361
20.0	1107.010	1113.511	1082.864	1065.219	1055.932
20.5	1101.438	1107.010	1075.435	1056.861	1047.574
21.0	1094.937	1100.509	1068.934	1048.502	1039.215
21.5	1089.365	1094.009	1061.504	1040.144	1030.857
22.0	1082.864	1087.508	1054.074	1031.786	1021.570
22.5	1077.292	1081.007	1046.645	1023.427	1012.283
23.0	1070.791	1074.506	1038.287	1014.140	1003.925
23.5	1064.290	1067.076	1030.857	1005.782	993.709
24.0	1056.861	1060.575	1023.427	996.495	984.422
24.5	1050.360	1053.146	1015.069	987.208	975.135
25.0	1042.930	1045.716	1006.711	978.850	965.848
25.5	1036.429	1037.358	999.281	969.563	956.561
26.0	1028.071	1029.928	989.994	959.347	947.274
26.5	1020.641	1021.570	981.636	950.060	937.987

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.0	1012.283	1014.140	973.278	941.702	928.607
27.5	1004.853	1005.782	963.991	932.415	919.041
28.0	996.495	997.424	955.632	922.292	909.847
28.5	988.137	989.065	946.345	913.098	900.467
29.0	979.778	979.778	937.058	903.811	891.273
29.5	969.563	971.420	927.586	894.245	881.336
30.0	961.204	962.133	918.113	885.144	871.585
30.5	952.846	952.846	908.269	875.207	861.834
31.0	943.559	943.559	898.331	865.641	852.175
31.5	934.272	934.272	888.394	855.518	841.774
32.0	925.264	924.707	878.457	845.303	831.744
32.5	916.070	914.491	868.334	834.901	821.899
33.0	906.876	904.647	858.212	824.500	811.312
33.5	897.496	894.524	847.996	813.913	801.282
34.0	888.023	884.308	837.409	803.325	790.324
34.5	878.457	874.000	827.286	792.553	779.736
35.0	869.170	863.877	816.792	781.594	768.871
35.5	859.419	853.754	806.204	771.007	757.541
36.0	849.482	843.167	795.896	759.862	746.118
36.5	840.288	832.858	785.216	748.718	734.137
37.0	830.165	822.550	774.257	737.574	722.250
37.5	820.135	812.241	763.484	726.336	710.455
38.0	810.384	801.747	752.526	715.099	698.661
38.5	800.261	791.531	741.753	703.490	688.817
39.0	789.952	781.222	731.165	692.810	679.158
39.5	779.644	771.007	720.485	683.802	667.921
40.0	769.149	760.884	709.713	673.586	656.962
40.5	758.841	750.668	699.311	662.627	646.375
41.0	748.718	740.638	691.139	652.040	636.159
41.5	738.316	730.515	681.294	641.825	626.222
42.0	728.101	720.207	672.100	631.795	616.657
42.5	717.699	710.084	661.977	622.229	607.370
43.0	707.669	699.775	652.226	612.849	598.361
43.5	698.011	691.789	642.568	603.655	589.446
44.0	689.560	682.594	633.095	594.647	580.716
44.5	681.480	672.843	623.715	585.731	571.893
45.0	671.357	663.278	614.428	577.001	563.164
45.5	661.513	653.248	605.234	568.272	554.527
46.0	651.669	643.310	596.133	559.635	545.797
46.5	641.917	633.466	587.124	550.905	537.253
47.0	632.073	623.808	578.116	542.268	528.616
47.5	622.322	614.149	569.014	533.445	519.979
48.0	612.756	604.491	559.913	524.715	511.435
48.5	603.284	594.925	550.719	516.079	502.891
49.0	593.811	585.360	541.525	507.442	494.440
49.5	584.338	575.980	532.238	498.898	486.082
50.0	574.865	566.507	523.137	490.354	477.723
50.5	565.393	557.034	514.035	481.902	469.458
51.0	555.920	547.654	505.027	473.544	461.192
51.5	546.261	538.275	496.112	465.093	452.927
52.0	536.789	528.709	487.289	456.735	444.662
52.5	527.223	519.422	478.745	448.376	436.489
53.0	517.843	510.135	470.201	440.111	428.224
53.5	508.463	500.941	461.842	431.845	419.958
54.0	499.083	491.840	453.391	423.580	411.786
54.5	489.703	482.831	445.033	415.315	403.613

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

55.0	480.416	473.823	436.768	407.142	395.533
55.5	471.315	464.907	428.502	399.062	387.546
56.0	462.307	455.899	420.237	391.168	379.653
56.5	453.391	446.983	411.971	383.274	372.037
57.0	444.662	438.161	403.613	375.473	364.515
57.5	435.932	429.524	395.348	367.765	357.085
58.0	427.388	420.980	387.082	360.057	349.748
58.5	418.844	412.436	378.910	352.442	342.412
59.0	410.300	403.984	370.923	344.919	335.168
59.5	401.848	395.533	362.843	337.582	328.017
60.0	393.583	387.082	354.856	330.339	320.959
60.5	385.225	378.724	347.055	323.095	313.808
61.0	376.959	370.458	339.347	315.944	306.842
61.5	368.601	362.379	331.639	308.793	299.970
62.0	360.336	354.299	324.023	301.827	293.283
62.5	352.070	346.312	316.501	294.955	286.504
63.0	343.898	338.233	309.071	288.083	279.817
63.5	335.725	330.153	301.735	281.210	273.224
64.0	327.552	322.073	294.398	274.524	266.630
64.5	319.380	313.993	287.154	267.744	260.036
65.0	311.207	306.007	279.910	261.058	253.442
65.5	303.128	298.113	272.759	254.278	246.941
66.0	295.048	290.219	265.608	247.591	240.812
66.5	286.968	282.418	258.457	240.905	234.311
67.0	279.074	274.431	251.306	234.218	227.903
67.5	271.088	266.537	244.155	227.624	221.402
68.0	263.101	258.643	237.097	221.031	215.087
68.5	255.207	250.842	229.946	214.530	208.772
69.0	247.313	243.134	222.888	208.122	202.549
69.5	239.326	235.425	215.830	201.714	196.327
70.0	231.618	227.717	208.957	195.398	190.291
70.5	223.910	220.102	202.085	189.176	184.254
71.0	216.201	212.394	195.306	182.954	178.310
71.5	208.679	204.964	188.526	176.917	172.460
72.0	201.156	197.534	181.839	170.881	166.702
72.5	193.727	190.291	175.339	164.937	161.037
73.0	186.297	183.047	168.931	159.086	155.372
73.5	178.868	175.896	162.522	153.235	149.799
74.0	171.531	168.745	156.207	147.478	144.320
74.5	164.287	161.687	150.078	141.905	138.934
75.0	157.136	154.814	143.948	136.333	133.640
75.5	150.078	147.942	137.912	130.854	128.439
76.0	143.020	141.348	131.875	125.374	123.238
76.5	136.147	134.661	126.025	119.988	118.131
77.0	129.275	128.161	120.174	114.787	113.116
77.5	122.588	121.660	114.602	109.587	108.101
78.0	115.995	115.345	109.029	104.572	103.179
78.5	109.494	109.122	103.550	99.557	98.349
79.0	103.179	102.993	98.256	94.727	93.613
79.5	96.863	97.142	92.963	89.898	88.969
80.0	90.827	91.384	87.669	85.069	84.326
80.5	84.883	85.719	82.654	80.425	79.775
81.0	79.125	80.147	77.732	75.782	75.318
81.5	73.460	74.760	72.717	71.231	70.860
82.0	67.981	69.374	67.981	66.774	66.588
82.5	62.594	64.173	63.152	62.409	62.223

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

83.0	57.487	59.065	58.508	58.137	58.044
83.5	52.379	54.143	53.957	53.865	53.865
84.0	47.549	49.407	49.500	49.685	49.871
84.5	42.813	44.763	45.228	45.692	45.878
85.0	38.170	40.213	41.049	41.699	41.977
85.5	33.805	35.848	36.962	37.798	38.262
86.0	29.533	31.576	32.969	33.990	34.455
86.5	25.446	27.582	29.068	30.276	30.926
87.0	21.453	23.589	25.261	26.654	27.397
87.5	17.552	19.781	21.639	23.125	23.868
88.0	13.745	16.067	18.017	19.596	20.524
88.5	10.030	12.352	14.395	16.252	17.274
89.0	6.222	8.544	10.680	12.352	13.373
89.5	2.507	4.643	6.037	6.780	7.430
90.0	0.557	2.136	3.250	4.179	4.551
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	438.03	N.A.	15.80
0-30	901.71	N.A.	32.60
0-40	1413.59	N.A.	51.10
0-60	2283.67	N.A.	82.60
0-80	2717.95	N.A.	98.30
0-90	2764.14	N.A.	100.00
10-90	2648.84	N.A.	95.80
20-40	975.55	N.A.	35.30
20-50	1452.47	N.A.	52.50
40-70	1149.87	N.A.	41.60
60-80	434.28	N.A.	15.70
70-80	154.49	N.A.	5.60
80-90	46.20	N.A.	1.70
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2764.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.31
10-20	322.73
20-30	463.68
30-40	511.88
40-50	476.91
50-60	393.17
60-70	279.79
70-80	154.49
80-90	46.20
90-100	0.08
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-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	132	132	132	132	129	129	129	129	123	123	123	118	118	118	113	113	113	111
1	121	116	112	108	118	114	110	106	109	106	103	105	102	100	101	99	97	94
2	111	102	95	89	108	100	94	88	96	91	86	93	88	84	89	86	82	80
3	102	91	82	75	99	89	81	75	86	79	73	83	77	72	80	75	71	68
4	94	81	72	65	91	80	71	64	77	69	63	74	68	62	72	66	62	59
5	86	73	63	56	84	72	63	56	69	61	55	67	60	55	65	59	54	52
6	80	66	57	50	78	65	56	49	63	55	49	61	54	49	59	53	48	46
7	75	60	51	44	73	59	50	44	58	50	44	56	49	44	55	48	43	41
8	70	55	46	40	68	54	46	40	53	45	39	52	44	39	50	44	39	37
9	65	51	42	36	64	50	42	36	49	41	36	48	41	36	47	40	35	34
10	61	47	39	33	60	47	38	33	45	38	33	44	37	33	43	37	32	31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-F-DIM-UNV_.IES

UGR TABLE - CORRECTED

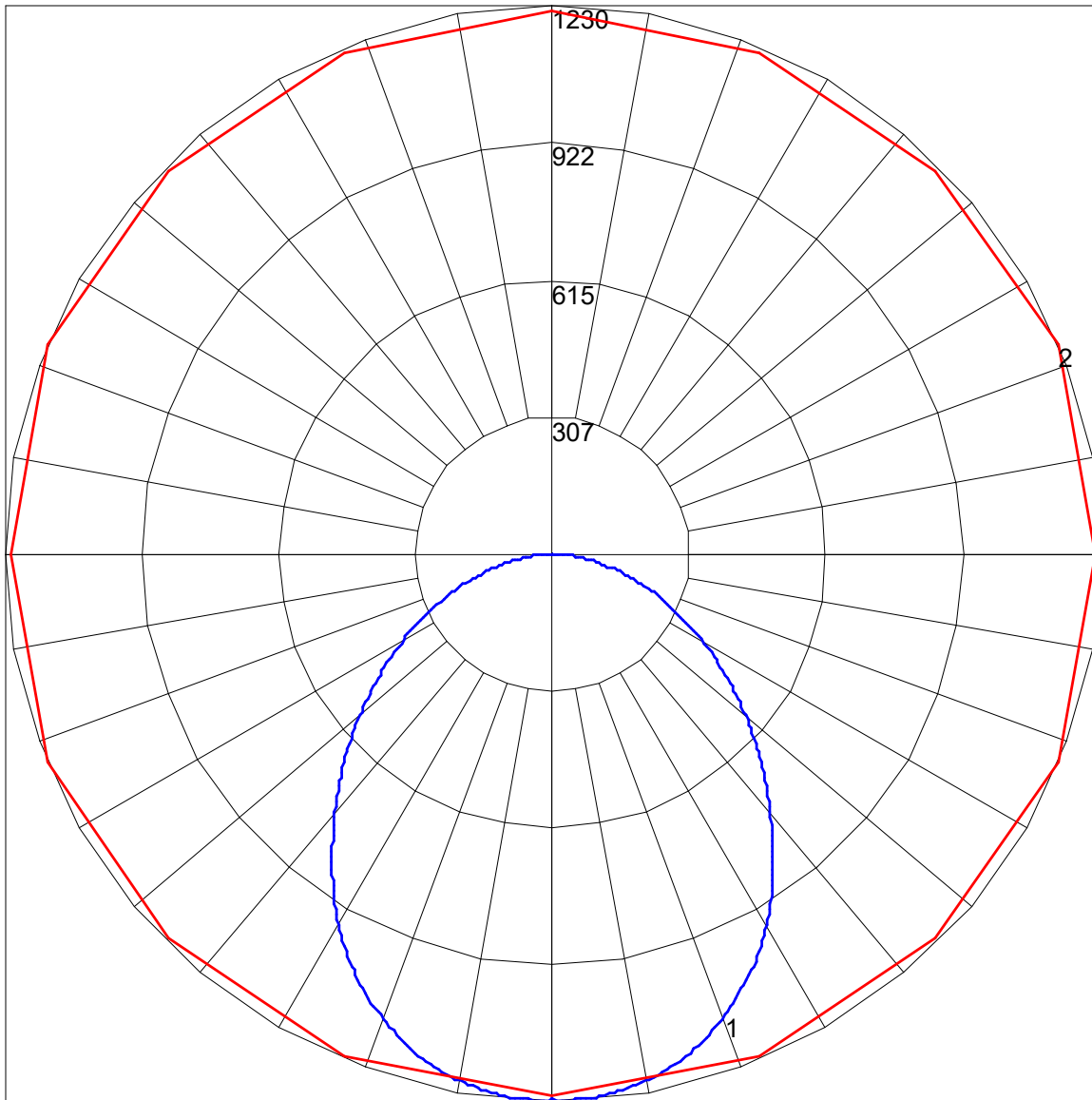
Reflectances

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	20.6	22.2	21.0	22.5	22.8	19.5	21.1	19.9	21.4	21.7
	3H	22.3	23.7	22.7	24.0	24.4	21.1	22.5	21.5	22.9	23.2
	4H	22.9	24.2	23.3	24.6	24.9	21.7	23.0	22.1	23.4	23.8
	6H	23.3	24.5	23.7	24.9	25.3	22.2	23.4	22.6	23.8	24.2
	8H	23.4	24.6	23.8	25.0	25.4	22.4	23.5	22.8	23.9	24.3
	12H	23.5	24.6	23.9	25.0	25.4	22.5	23.6	22.9	24.0	24.4
4H	2H	21.1	22.4	21.5	22.8	23.1	20.2	21.5	20.6	21.9	22.2
	3H	23.0	24.1	23.4	24.5	24.9	22.0	23.1	22.4	23.5	23.9
	4H	23.7	24.7	24.1	25.1	25.5	22.7	23.7	23.1	24.1	24.6
	6H	24.2	25.1	24.7	25.6	26.0	23.3	24.2	23.8	24.6	25.1
	8H	24.4	25.2	24.9	25.7	26.1	23.5	24.3	24.0	24.8	25.3
	12H	24.5	25.3	25.0	25.7	26.2	23.7	24.4	24.2	24.9	25.4
8H	4H	23.9	24.7	24.4	25.2	25.6	23.0	23.9	23.5	24.3	24.8
	6H	24.6	25.3	25.1	25.7	26.2	23.8	24.4	24.3	24.9	25.4
	8H	24.8	25.4	25.4	25.9	26.4	24.1	24.7	24.6	25.2	25.7
	12H	25.0	25.6	25.5	26.1	26.6	24.3	24.9	24.8	25.4	25.9
12H	4H	23.9	24.7	24.4	25.1	25.6	23.1	23.8	23.6	24.3	24.8
	6H	24.6	25.2	25.1	25.7	26.2	23.8	24.5	24.4	24.9	25.5
	8H	24.9	25.5	25.4	25.9	26.5	24.2	24.7	24.7	25.2	25.8

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 1229.599 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)