



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #13052732.21
[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-R-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted lens enclosure
[LAMP] 144 White LEDs
[BALLAST] One Philips XI040C110V054BST1 Driver
[OTHER] 24.8 C, 120.018 V, 0.225756 A, 26.9244 W, 0.993712 PF, 60 Hz
[OTHER] This test was performed using the calibrated photodetector method
[MORE] of absolute photometry.
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Indoor, Architectural, Direct, Direct-Indirect, Indirect, Linear
[SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2515
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17073	11819	9202
55	15363	9301	7250
65	13451	7151	5611
75	11092	5376	4970
85	7911	4435	4257

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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	1355.944	1355.944	1355.944	1355.944	1355.944
0.5	1348.261	1361.705	1353.063	1355.944	1354.023
1.0	1348.261	1360.745	1352.102	1354.983	1353.063
1.5	1348.261	1359.785	1351.142	1353.063	1352.102
2.0	1347.301	1359.785	1349.222	1351.142	1350.182
2.5	1346.341	1357.864	1348.261	1350.182	1348.261
3.0	1345.380	1356.904	1346.341	1348.261	1346.341
3.5	1344.420	1354.983	1344.420	1345.380	1343.460
4.0	1343.460	1354.023	1341.539	1342.499	1339.619
4.5	1341.539	1352.102	1339.619	1338.658	1333.857
5.0	1339.619	1349.222	1335.777	1333.857	1329.055
5.5	1338.658	1347.301	1332.896	1329.055	1324.254
6.0	1335.777	1344.420	1328.095	1323.293	1318.492
6.5	1333.857	1341.539	1324.254	1317.532	1312.730
7.0	1331.936	1338.658	1319.452	1311.770	1306.008
7.5	1329.055	1335.777	1314.651	1305.048	1299.286
8.0	1326.174	1332.896	1308.889	1298.326	1291.604
8.5	1323.293	1329.055	1304.087	1291.604	1284.881
9.0	1320.413	1325.214	1298.326	1283.921	1276.239
9.5	1316.571	1320.413	1292.564	1276.239	1267.596
10.0	1313.690	1316.571	1285.842	1268.556	1257.993
10.5	1309.849	1311.770	1280.080	1259.914	1248.390
11.0	1306.008	1306.968	1273.358	1250.311	1238.787
11.5	1302.167	1302.167	1265.675	1241.668	1228.224
12.0	1298.326	1296.405	1257.993	1231.105	1217.660
12.5	1293.524	1291.604	1250.311	1221.502	1207.097
13.0	1289.683	1286.802	1242.628	1210.938	1195.574
13.5	1284.881	1281.040	1233.986	1200.375	1185.010
14.0	1280.080	1275.278	1225.343	1189.812	1172.526
14.5	1275.278	1268.556	1216.700	1178.288	1161.003
15.0	1270.477	1262.795	1207.097	1167.725	1148.519
15.5	1265.675	1256.072	1198.454	1155.241	1136.035
16.0	1259.914	1249.350	1188.851	1143.717	1123.551
16.5	1254.152	1242.628	1179.248	1132.194	1111.067
17.0	1248.390	1235.906	1168.685	1119.710	1097.623
17.5	1242.628	1228.224	1159.082	1107.226	1085.139
18.0	1237.827	1221.502	1148.519	1094.742	1071.695
18.5	1231.105	1213.819	1137.956	1082.258	1059.211
19.0	1225.343	1206.137	1126.432	1069.774	1044.806
19.5	1219.581	1198.454	1116.829	1057.290	1032.323
20.0	1212.859	1189.812	1105.305	1043.846	1018.878
20.5	1206.137	1182.129	1094.742	1031.362	1005.434
21.0	1198.454	1173.487	1083.218	1017.918	991.990
21.5	1191.732	1164.844	1071.695	1004.474	977.585
22.0	1185.010	1156.201	1061.132	991.990	964.141
22.5	1178.288	1147.559	1049.608	978.546	950.697
23.0	1170.606	1137.956	1038.084	965.102	936.581
23.5	1162.923	1129.313	1026.561	952.137	922.848
24.0	1155.241	1119.710	1014.077	938.789	909.500
24.5	1147.559	1110.107	1002.553	925.441	895.288
25.0	1140.836	1101.464	991.030	911.997	881.267
25.5	1132.194	1090.901	979.506	898.937	867.631
26.0	1124.511	1081.298	967.022	885.589	853.611
26.5	1115.869	1071.695	955.499	872.433	840.551

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CANDELA TABULATION - (Cont.)

27.0	1107.226	1061.132	943.591	859.372	827.298
27.5	1098.583	1051.529	931.203	846.120	813.662
28.0	1089.941	1040.965	919.487	832.580	800.218
28.5	1081.298	1030.402	907.195	819.040	786.774
29.0	1072.655	1019.839	894.808	806.172	773.522
29.5	1063.052	1009.275	882.516	792.824	760.077
30.0	1053.449	998.712	870.032	780.148	746.921
30.5	1043.846	987.188	857.452	766.800	734.726
31.0	1035.203	976.625	844.968	753.643	723.202
31.5	1025.600	966.062	832.388	740.968	709.662
32.0	1015.997	954.250	820.000	729.732	696.890
32.5	1006.394	943.111	807.132	716.576	684.982
33.0	996.791	931.971	794.936	703.900	672.690
33.5	987.188	921.024	782.452	691.704	660.014
34.0	977.585	909.500	769.969	680.469	647.338
34.5	967.982	898.265	757.581	667.793	634.566
35.0	958.187	886.453	745.481	655.117	621.986
35.5	948.392	875.217	734.245	642.729	609.406
36.0	938.501	863.790	723.010	630.437	596.826
36.5	928.226	852.170	710.910	618.241	584.727
37.0	918.527	840.935	698.906	606.141	572.627
37.5	908.060	829.315	688.055	594.138	560.623
38.0	897.592	817.888	677.108	582.134	548.907
38.5	886.933	806.556	665.200	570.226	537.192
39.0	876.370	794.936	653.484	558.414	525.668
39.5	865.807	783.701	641.865	546.891	514.337
40.0	855.723	772.273	630.245	535.559	503.389
40.5	844.968	761.038	618.721	524.324	492.634
41.0	834.213	749.610	607.102	513.280	482.071
41.5	823.361	738.087	595.770	502.333	471.699
42.0	812.702	728.388	584.343	491.578	461.424
42.5	802.331	717.344	573.299	481.014	451.245
43.0	791.479	706.013	562.256	470.835	441.546
43.5	780.916	695.641	551.308	460.848	432.039
44.0	770.257	685.558	540.553	451.053	422.628
44.5	760.077	674.323	529.798	441.354	413.409
45.0	749.898	663.087	519.138	431.751	404.190
45.5	739.335	651.948	508.671	422.340	395.452
46.0	729.540	641.000	498.396	413.217	386.617
46.5	719.361	630.149	488.217	404.094	378.070
47.0	710.814	619.201	478.133	395.356	369.812
47.5	702.652	608.350	468.146	386.521	361.649
48.0	692.280	597.499	458.351	377.878	353.679
48.5	682.005	586.839	448.460	369.331	345.900
49.0	671.634	576.276	438.761	360.977	338.314
49.5	661.359	565.713	429.254	352.814	330.823
50.0	651.083	555.342	419.843	344.844	323.621
50.5	640.808	544.778	410.528	337.065	316.515
51.0	630.341	534.407	401.309	329.383	309.601
51.5	619.778	523.940	392.187	321.701	302.783
52.0	609.310	513.664	383.160	314.306	296.060
52.5	598.843	503.389	374.325	307.008	289.434
53.0	588.568	493.306	365.586	299.902	283.096
53.5	578.197	483.127	356.944	292.988	276.758
54.0	567.825	473.140	348.301	286.169	270.517
54.5	557.550	463.057	339.850	279.351	264.371

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CANDELA TABULATION - (Cont.)

55.0	547.371	453.070	331.400	272.725	258.321
55.5	537.096	443.274	323.141	266.195	252.271
56.0	527.109	433.575	314.978	259.857	246.413
56.5	517.122	423.780	306.912	253.615	240.651
57.0	507.327	414.177	298.941	247.469	234.985
57.5	497.435	404.478	291.067	241.419	229.224
58.0	487.640	394.971	283.289	235.274	223.558
58.5	477.845	385.560	275.702	229.320	217.988
59.0	468.050	376.246	268.212	223.462	212.418
59.5	458.543	367.027	260.914	217.700	206.945
60.0	448.844	357.808	253.711	212.034	201.471
60.5	439.241	348.685	246.701	206.368	195.997
61.0	429.542	339.562	239.595	200.703	190.620
61.5	419.939	330.631	232.777	195.133	185.050
62.0	410.240	321.797	225.959	189.563	179.576
62.5	400.637	312.962	219.429	183.993	174.102
63.0	391.130	304.223	212.899	178.520	168.533
63.5	381.527	295.484	206.465	172.950	162.579
64.0	372.020	286.842	200.127	167.476	156.625
64.5	362.609	278.295	193.885	161.811	151.727
65.0	353.102	269.844	187.739	155.953	147.310
65.5	343.787	261.682	181.785	149.999	142.701
66.0	334.472	253.327	175.831	144.909	137.803
66.5	325.350	245.261	169.877	140.396	133.962
67.0	316.035	237.098	164.115	135.786	130.793
67.5	306.912	229.128	158.257	130.889	127.528
68.0	297.885	221.253	152.496	126.664	124.359
68.5	289.050	213.475	146.734	123.399	121.094
69.0	280.216	205.888	141.068	120.230	117.829
69.5	271.381	198.206	135.402	116.965	114.660
70.0	262.546	190.620	129.641	113.700	111.395
70.5	253.807	183.225	123.783	110.435	108.130
71.0	245.261	175.831	118.021	107.073	104.961
71.5	236.714	168.629	113.315	103.808	101.696
72.0	228.167	161.618	108.610	100.543	98.623
72.5	219.813	154.512	103.808	97.278	95.454
73.0	211.266	147.502	99.967	94.109	92.285
73.5	202.911	140.684	96.510	90.844	89.116
74.0	194.653	133.866	93.149	87.579	86.043
74.5	186.394	127.336	89.692	84.410	82.970
75.0	178.328	120.902	86.427	81.241	79.897
75.5	170.357	114.564	83.066	78.168	76.824
76.0	162.483	108.322	79.609	74.999	73.751
76.5	154.512	102.080	76.344	71.926	70.774
77.0	146.734	96.030	72.983	68.854	67.797
77.5	139.147	90.076	69.718	65.781	64.820
78.0	131.753	84.218	66.453	62.804	61.939
78.5	124.455	78.457	63.188	59.827	58.962
79.0	117.157	72.791	60.019	56.850	56.082
79.5	110.050	67.413	56.754	53.873	53.201
80.0	103.136	62.708	53.585	50.992	50.320
80.5	96.414	58.098	50.512	48.015	47.535
81.0	89.788	54.353	47.439	45.134	44.654
81.5	83.354	50.800	44.366	42.349	41.869
82.0	77.112	47.247	41.389	39.468	39.180
82.5	70.966	43.598	38.412	36.683	36.395

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CANDELA TABULATION - (Cont.)

83.0	65.012	40.141	35.435	33.899	33.611
83.5	59.251	36.683	32.458	31.114	30.922
84.0	53.681	33.322	29.673	28.425	28.329
84.5	48.207	30.057	26.792	25.736	25.640
85.0	42.829	26.888	24.008	23.047	23.047
85.5	37.548	23.719	21.319	20.454	20.454
86.0	32.362	20.550	18.630	17.862	17.958
86.5	27.369	17.573	15.941	15.269	15.461
87.0	22.567	14.693	13.348	12.772	12.964
87.5	17.766	11.908	10.851	10.275	10.563
88.0	13.060	9.219	8.355	7.874	8.163
88.5	8.451	6.530	5.858	5.474	5.762
89.0	4.802	4.033	3.649	3.745	4.033
89.5	2.209	2.113	2.209	2.497	2.785
90.0	0.672	0.960	1.056	1.152	1.440
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

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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-R-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-R-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-R-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	465.98	N.A.	18.50
0-30	926.83	N.A.	36.90
0-40	1407.45	N.A.	56.00
0-60	2158.12	N.A.	85.80
0-80	2484.66	N.A.	98.80
0-90	2514.96	N.A.	100.00
10-90	2388.77	N.A.	95.00
20-40	941.47	N.A.	37.40
20-50	1364.8	N.A.	54.30
40-70	965.98	N.A.	38.40
60-80	326.55	N.A.	13.00
70-80	111.24	N.A.	4.40
80-90	30.29	N.A.	1.20
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2514.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.18
10-20	339.80
20-30	460.85
30-40	480.62
40-50	423.33
50-60	327.34
60-70	215.31
70-80	111.24
80-90	30.29
90-100	0.03
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-R-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	114	114	114	114	112	112	112	112	107	107	107	102	102	102	98	98	98	96
1	106	102	98	95	103	100	96	93	96	93	90	92	90	88	88	87	85	83
2	97	90	84	80	95	89	83	79	85	81	77	82	78	75	79	76	73	71
3	90	81	74	68	87	79	73	67	76	71	66	74	69	65	71	67	64	62
4	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54
5	77	66	58	52	75	64	57	52	62	56	51	61	55	50	59	54	50	48
6	71	60	52	46	70	59	51	46	57	50	45	56	50	45	54	49	45	43
7	67	55	47	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39
8	62	50	43	37	61	50	42	37	48	42	37	47	41	37	46	41	37	35
9	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	34	32
10	55	43	36	31	54	43	36	31	42	35	31	41	35	31	40	35	31	29

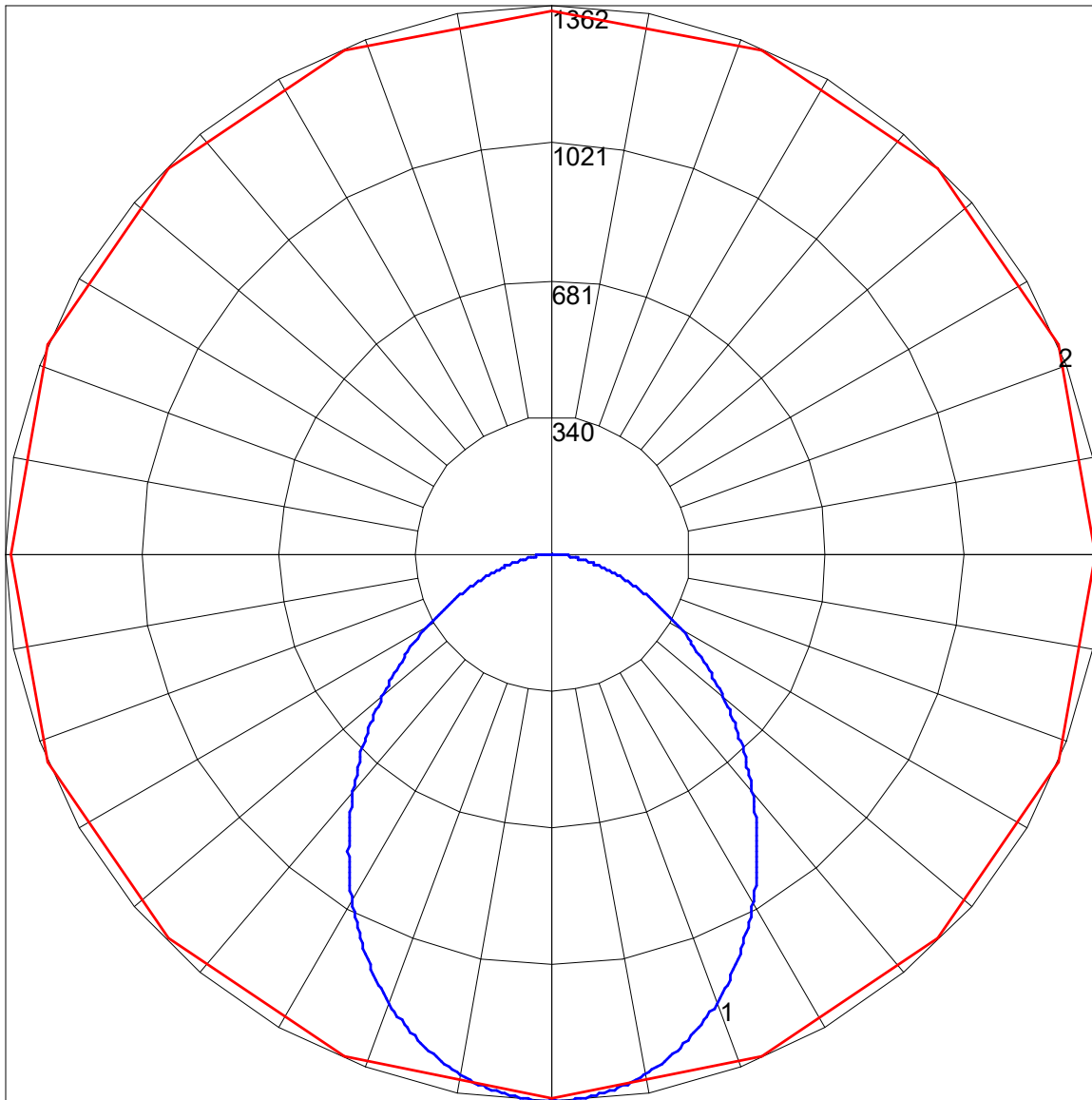
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2D-4-00-L8-935-R-DIM-UNV_.IES

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	21.4	22.9	21.7	23.2	23.5	17.4	18.9	17.8	19.2	19.6
	3H	23.1	24.4	23.4	24.7	25.1	18.7	20.1	19.1	20.4	20.8
	4H	23.7	24.9	24.1	25.3	25.7	19.3	20.5	19.7	20.9	21.3
	6H	24.1	25.3	24.5	25.7	26.1	19.7	20.9	20.1	21.2	21.6
	8H	24.3	25.4	24.7	25.8	26.2	19.9	21.0	20.3	21.4	21.8
	12H	24.4	25.4	24.8	25.8	26.2	20.0	21.0	20.4	21.4	21.8
4H	2H	21.5	22.7	21.9	23.1	23.5	18.1	19.4	18.5	19.8	20.1
	3H	23.3	24.4	23.8	24.8	25.2	19.6	20.7	20.0	21.1	21.5
	4H	24.1	25.0	24.5	25.4	25.9	20.3	21.2	20.7	21.6	22.1
	6H	24.6	25.4	25.1	25.9	26.3	20.8	21.6	21.3	22.1	22.5
	8H	24.8	25.6	25.3	26.0	26.5	21.0	21.8	21.5	22.2	22.7
	12H	25.0	25.6	25.4	26.1	26.6	21.2	21.8	21.6	22.3	22.8
8H	4H	24.1	24.9	24.6	25.3	25.8	20.6	21.4	21.1	21.8	22.3
	6H	24.7	25.4	25.2	25.8	26.3	21.3	21.9	21.8	22.4	22.9
	8H	24.9	25.5	25.5	26.0	26.5	21.5	22.1	22.1	22.6	23.1
	12H	25.1	25.7	25.6	26.1	26.7	21.8	22.3	22.3	22.8	23.3
12H	4H	24.1	24.8	24.6	25.3	25.7	20.7	21.4	21.2	21.8	22.3
	6H	24.7	25.3	25.2	25.8	26.3	21.4	21.9	21.9	22.4	22.9
	8H	25.0	25.5	25.5	26.0	26.5	21.7	22.2	22.2	22.7	23.2

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 1361.705 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.)