



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WD-4-00-L8-835-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13012869.06
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 03-12-2024
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] MX2WD-4-00-L8-835-F-DIM-UNV
[LUMINAIRE] Formed White aluminum housing, frosted plastic lens
[LAMP] 144 White LEDs
[BALLAST] One Philips Advance XI040C110V054BST1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3006
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	26.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	16836	15456	14243
55	14963	13501	12261
65	12965	11581	10507
75	10662	9784	9114
85	7888	8557	8594

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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	1328.164	1328.164	1328.164	1328.164	1328.164
0.5	1325.226	1328.164	1328.164	1327.185	1335.021
1.0	1325.226	1328.164	1327.185	1327.185	1335.021
1.5	1324.246	1328.164	1327.185	1326.205	1334.041
2.0	1323.267	1327.185	1326.205	1325.226	1333.062
2.5	1323.267	1327.185	1326.205	1324.246	1332.082
3.0	1322.287	1326.205	1325.226	1323.267	1330.123
3.5	1321.308	1325.226	1324.246	1322.287	1328.164
4.0	1319.349	1324.246	1323.267	1320.329	1327.185
4.5	1318.370	1322.287	1322.287	1319.349	1324.246
5.0	1316.411	1321.308	1320.329	1317.390	1323.267
5.5	1315.431	1319.349	1318.370	1315.431	1320.329
6.0	1313.472	1317.390	1316.411	1312.493	1318.370
6.5	1311.513	1315.431	1314.452	1309.554	1315.431
7.0	1308.575	1313.472	1311.513	1306.616	1312.493
7.5	1306.616	1310.534	1308.575	1303.678	1309.554
8.0	1303.678	1307.595	1305.636	1300.739	1306.616
8.5	1301.719	1305.636	1302.698	1296.821	1302.698
9.0	1298.780	1301.719	1298.780	1292.903	1297.801
9.5	1295.842	1298.780	1294.862	1288.006	1293.883
10.0	1291.924	1295.842	1290.944	1284.088	1288.985
10.5	1288.985	1291.924	1286.047	1279.191	1283.109
11.0	1285.068	1288.006	1282.129	1274.293	1278.211
11.5	1281.150	1284.088	1277.232	1268.417	1272.334
12.0	1277.232	1280.170	1272.334	1262.540	1265.478
12.5	1273.314	1276.252	1267.437	1256.663	1259.601
13.0	1269.396	1271.355	1262.540	1250.786	1252.745
13.5	1264.499	1267.437	1256.663	1243.930	1245.889
14.0	1260.581	1262.540	1250.786	1238.053	1239.032
14.5	1255.683	1257.642	1244.909	1231.197	1232.176
15.0	1250.786	1251.765	1239.032	1224.340	1225.320
15.5	1245.889	1246.868	1233.156	1216.504	1217.484
16.0	1240.991	1240.991	1226.299	1209.648	1209.648
16.5	1235.114	1236.094	1220.422	1201.812	1201.812
17.0	1229.238	1230.217	1213.566	1193.977	1193.977
17.5	1224.340	1224.340	1206.710	1186.141	1185.161
18.0	1218.463	1217.484	1198.874	1178.305	1177.326
18.5	1212.587	1211.607	1192.018	1169.490	1168.510
19.0	1205.730	1204.751	1184.182	1161.654	1159.695
19.5	1199.853	1197.895	1176.346	1152.839	1150.880
20.0	1192.997	1191.038	1168.510	1144.024	1142.065
20.5	1186.141	1184.182	1160.675	1135.208	1132.270
21.0	1179.285	1177.326	1151.859	1126.393	1123.455
21.5	1173.408	1170.469	1144.024	1117.578	1113.660
22.0	1165.572	1162.634	1135.208	1107.783	1103.865
22.5	1158.716	1154.798	1126.393	1098.968	1094.070
23.0	1151.859	1146.962	1118.557	1089.173	1084.276
23.5	1144.024	1139.126	1109.742	1079.378	1074.481
24.0	1136.188	1131.290	1100.927	1069.584	1064.686
24.5	1129.331	1122.475	1091.132	1059.789	1053.912
25.0	1121.496	1114.639	1082.317	1049.994	1044.117
25.5	1112.680	1105.824	1072.522	1040.199	1033.343
26.0	1104.845	1097.009	1063.707	1030.405	1023.548
26.5	1096.029	1088.194	1053.912	1019.631	1012.774

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CANDELA TABULATION - (Cont.)

27.0	1088.194	1079.378	1045.097	1008.856	1002.980
27.5	1079.378	1070.563	1035.302	999.062	992.205
28.0	1070.563	1061.748	1025.507	988.287	981.431
28.5	1061.748	1052.933	1015.713	978.591	971.245
29.0	1053.912	1043.138	1005.918	968.208	960.568
29.5	1044.117	1034.323	996.123	957.924	949.892
30.0	1035.302	1024.528	986.329	947.443	939.216
30.5	1026.487	1015.713	975.848	937.257	928.540
31.0	1017.672	1005.918	965.760	926.875	917.863
31.5	1008.856	996.123	955.573	916.590	907.383
32.0	999.062	986.329	945.485	906.208	896.707
32.5	990.246	977.121	935.298	895.727	886.031
33.0	980.452	967.327	925.112	885.345	875.452
33.5	971.343	957.630	914.925	874.669	864.776
34.0	961.744	947.737	904.738	864.090	854.296
34.5	952.243	937.943	894.454	853.512	843.815
35.0	942.448	927.952	884.268	842.934	833.237
35.5	932.653	917.961	874.179	832.355	822.855
36.0	922.859	907.873	863.992	821.777	812.178
36.5	912.770	897.784	853.708	811.297	801.796
37.0	902.584	887.696	843.326	800.816	791.218
37.5	892.593	877.313	833.139	790.434	780.737
38.0	882.504	867.127	822.855	779.856	770.355
38.5	872.122	856.842	812.472	769.473	759.972
39.0	861.838	846.754	802.188	759.189	749.394
39.5	851.749	836.371	791.805	748.904	739.012
40.0	841.367	826.185	781.521	738.522	728.727
40.5	831.278	815.900	771.236	728.238	718.247
41.0	821.092	805.616	760.952	718.051	707.669
41.5	810.807	795.429	750.668	707.767	697.188
42.0	800.621	785.145	740.285	697.678	686.904
42.5	790.532	774.958	730.001	687.492	676.521
43.0	780.346	764.576	719.912	677.207	666.237
43.5	770.257	754.292	709.530	666.923	655.757
44.0	759.875	743.811	699.343	656.736	645.668
44.5	749.590	733.527	689.059	646.648	635.482
45.0	739.502	723.144	678.872	636.559	625.589
45.5	729.315	712.664	668.686	626.372	615.500
46.0	718.933	702.184	658.499	616.382	605.510
46.5	708.550	691.899	648.215	606.489	595.715
47.0	698.168	681.419	638.028	596.597	585.920
47.5	687.589	671.232	627.842	586.802	576.224
48.0	677.109	660.752	617.949	577.105	566.723
48.5	666.727	650.468	607.860	567.506	557.124
49.0	656.148	640.085	597.772	557.907	547.721
49.5	645.766	629.801	587.781	548.309	538.318
50.0	635.188	619.712	577.791	538.906	528.915
50.5	625.001	609.526	567.996	529.503	519.512
51.0	614.521	599.437	558.103	520.198	510.305
51.5	604.236	589.446	548.309	510.893	500.902
52.0	593.854	579.358	538.514	501.588	491.695
52.5	583.667	569.367	528.817	492.381	482.390
53.0	573.383	559.475	519.120	483.076	473.183
53.5	563.197	549.484	509.521	473.967	463.976
54.0	553.108	539.395	500.021	464.760	454.867
54.5	543.117	529.405	490.520	455.748	445.856

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CANDELA TABULATION - (Cont.)

55.0	533.127	519.512	481.019	446.639	436.845
55.5	523.136	509.717	471.812	437.824	428.029
56.0	513.145	499.825	462.507	428.911	419.214
56.5	503.155	489.932	453.104	419.998	410.497
57.0	493.164	480.137	443.897	411.280	402.073
57.5	483.272	470.441	434.690	402.563	393.650
58.0	473.477	460.744	425.483	394.238	385.324
58.5	463.682	451.047	416.374	385.814	377.195
59.0	453.789	441.448	407.362	377.391	369.065
59.5	443.995	432.045	398.351	369.065	360.936
60.0	434.200	422.544	389.340	360.838	352.806
60.5	424.405	413.141	380.427	352.806	344.872
61.0	414.806	404.032	371.612	344.774	336.938
61.5	405.306	394.825	362.992	336.743	329.103
62.0	395.805	385.618	354.177	328.809	321.365
62.5	386.206	376.411	345.656	321.071	313.529
63.0	376.901	367.400	337.134	313.235	305.889
63.5	367.596	358.389	328.711	305.497	298.249
64.0	358.487	349.378	320.483	297.760	290.707
64.5	349.378	340.367	312.354	290.218	283.165
65.0	340.367	331.551	304.028	282.774	275.819
65.5	331.355	322.638	295.899	275.330	268.375
66.0	322.344	313.725	287.965	267.690	261.127
66.5	313.333	304.910	280.031	260.442	254.075
67.0	304.518	296.192	272.097	253.096	246.925
67.5	295.801	287.573	264.262	246.043	240.069
68.0	286.789	278.954	256.426	238.893	233.310
68.5	278.072	270.334	248.786	231.939	226.552
69.0	269.257	261.911	241.146	225.083	219.892
69.5	260.540	253.487	233.506	218.324	213.133
70.0	251.822	245.064	225.964	211.566	207.060
70.5	243.203	236.934	218.618	205.395	200.890
71.0	234.682	228.805	211.272	199.225	194.523
71.5	226.454	220.871	204.710	192.760	188.255
72.0	218.226	212.741	197.560	186.394	182.084
72.5	209.901	205.101	190.507	180.125	175.717
73.0	202.555	197.755	183.553	173.758	169.645
73.5	194.523	190.116	176.697	167.588	163.474
74.0	186.687	182.476	169.938	161.417	157.891
74.5	178.950	175.032	163.376	156.030	152.406
75.0	171.408	167.588	157.303	150.055	146.529
75.5	163.768	160.340	151.035	143.982	140.750
76.0	157.009	153.581	144.668	138.106	135.069
76.5	149.565	146.333	138.301	132.229	129.486
77.0	142.317	139.183	132.131	126.450	123.903
77.5	135.069	132.229	126.058	120.867	118.516
78.0	127.919	125.372	120.083	115.186	113.227
78.5	120.867	118.614	114.109	109.701	107.938
79.0	114.011	112.052	108.330	104.314	102.747
79.5	107.252	105.489	102.551	99.025	97.555
80.0	100.592	99.221	96.870	93.833	92.560
80.5	94.029	93.148	91.385	88.740	87.663
81.0	87.663	87.075	85.900	83.745	82.765
81.5	81.492	81.296	80.611	78.848	77.966
82.0	75.419	75.615	75.321	73.950	73.265
82.5	69.543	70.032	70.228	69.249	68.563

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CANDELA TABULATION - (Cont.)

83.0	63.764	64.645	65.233	64.547	63.960
83.5	58.279	59.356	60.335	60.042	59.454
84.0	52.891	54.263	55.536	55.536	55.046
84.5	47.700	49.365	50.835	51.128	50.737
85.0	42.705	44.468	46.329	46.819	46.525
85.5	37.906	39.767	41.823	42.509	42.313
86.0	33.302	35.261	37.514	38.395	38.297
86.5	28.796	30.755	33.302	34.282	34.379
87.0	24.487	26.446	29.188	30.462	30.560
87.5	20.275	22.234	25.172	26.642	26.838
88.0	16.063	18.218	21.255	21.842	21.548
88.5	12.145	14.398	16.847	17.435	17.435
89.0	9.599	11.656	14.104	14.986	15.084
89.5	7.444	9.599	11.754	12.831	13.125
90.0	5.289	7.640	9.795	10.774	11.068
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 : MX2WD-4-00-L8-835-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 : MX2WD-4-00-L8-835-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 : MX2WD-4-00-L8-835-F-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	473.30	N.A.	15.70
0-30	970.81	N.A.	32.30
0-40	1524.34	N.A.	50.70
0-60	2481.56	N.A.	82.50
0-80	2954.22	N.A.	98.30
0-90	3006.03	N.A.	100.00
10-90	2880.99	N.A.	95.80
20-40	1051.04	N.A.	35.00
20-50	1575.8	N.A.	52.40
40-70	1261.47	N.A.	42.00
60-80	472.66	N.A.	15.70
70-80	168.40	N.A.	5.60
80-90	51.81	N.A.	1.70
90-110	0.25	N.A.	0.00
90-120	0.25	N.A.	0.00
90-130	0.25	N.A.	0.00
90-150	0.25	N.A.	0.00
90-180	0.25	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3006.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.04
10-20	348.26
20-30	497.51
30-40	553.53
40-50	524.76
50-60	432.45
60-70	304.26
70-80	168.40
80-90	51.81
90-100	0.25
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 : MX2WD-4-00-L8-835-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	98	90	84	79	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	66	57	51	76	65	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	45	70	59	50	44	57	49	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2WD-4-00-L8-835-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	21.3	22.8	21.6	23.1	23.4	20.1	21.7	20.5	22.0	22.3
	3H	22.9	24.3	23.2	24.6	25.0	21.7	23.1	22.1	23.4	23.8
	4H	23.4	24.8	23.8	25.1	25.5	22.3	23.6	22.7	24.0	24.3
	6H	23.9	25.1	24.3	25.5	25.9	22.8	24.0	23.2	24.4	24.8
	8H	24.0	25.2	24.4	25.6	26.0	22.9	24.1	23.4	24.5	24.9
	12H	24.1	25.2	24.5	25.6	26.0	23.1	24.2	23.5	24.6	25.0

UGR Viewed Endwise

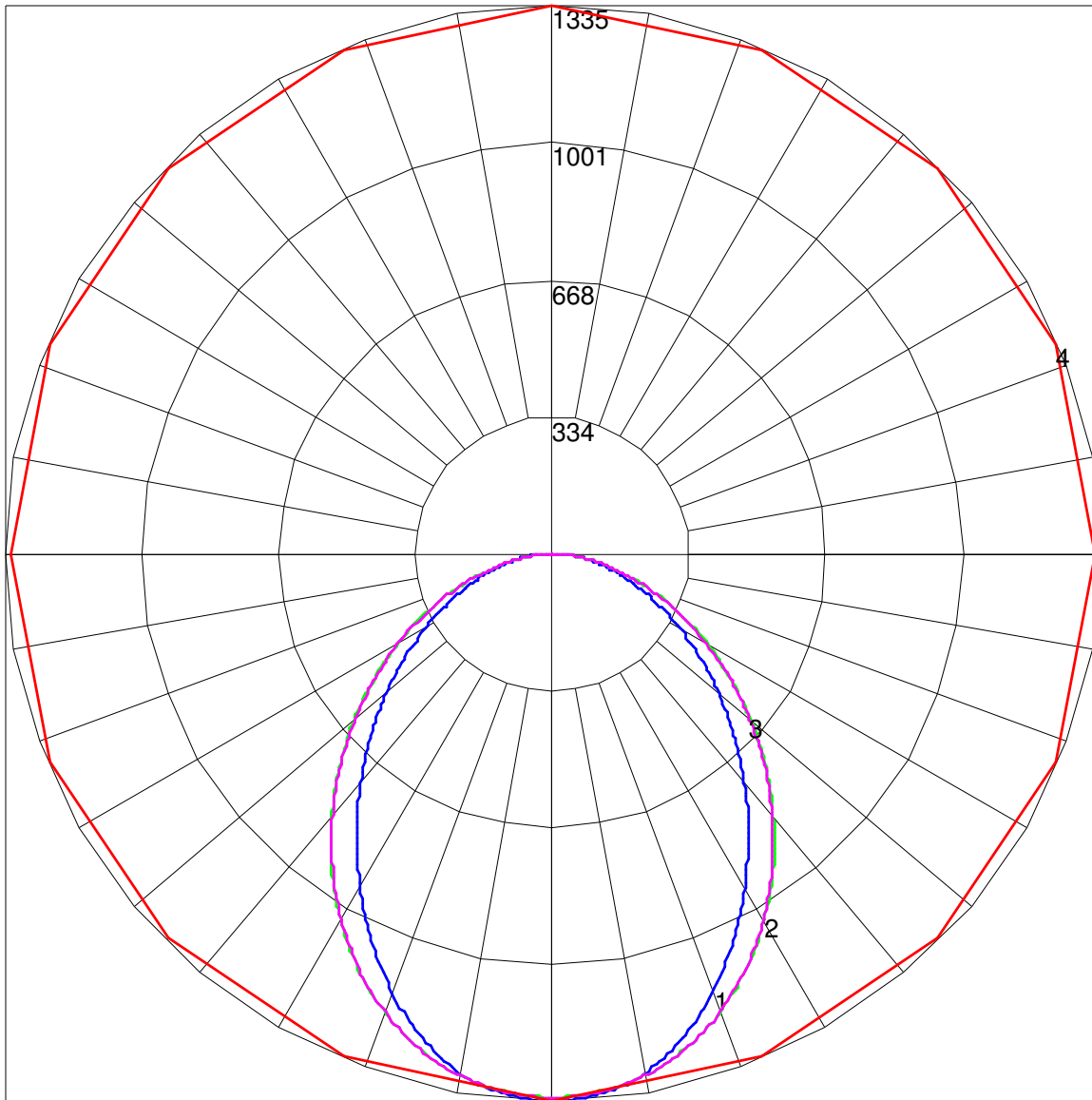
4H	2H	21.7	23.0	22.1	23.4	23.7	20.8	22.1	21.2	22.4	22.8
	3H	23.5	24.7	24.0	25.0	25.5	22.6	23.7	23.0	24.1	24.5
	4H	24.3	25.3	24.7	25.7	26.1	23.3	24.3	23.7	24.7	25.1
	6H	24.8	25.7	25.3	26.1	26.6	23.9	24.8	24.4	25.2	25.7
	8H	25.0	25.8	25.5	26.3	26.7	24.1	24.9	24.6	25.4	25.9
	12H	25.1	25.9	25.6	26.3	26.8	24.3	25.0	24.8	25.5	26.0

8H	4H	24.5	25.3	24.9	25.7	26.2	23.6	24.4	24.1	24.9	25.4
	6H	25.1	25.8	25.6	26.3	26.8	24.4	25.0	24.8	25.5	26.0
	8H	25.4	26.0	25.9	26.5	27.0	24.6	25.3	25.2	25.8	26.3
	12H	25.6	26.1	26.1	26.6	27.2	24.9	25.5	25.4	26.0	26.5

12H	4H	24.5	25.2	25.0	25.7	26.2	23.7	24.4	24.1	24.9	25.3
	6H	25.2	25.8	25.7	26.3	26.8	24.4	25.0	24.9	25.5	26.0
	8H	25.5	26.0	26.0	26.5	27.1	24.8	25.3	25.3	25.8	26.4

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1335.021 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (5 - 185)
3 - Vertical Plane Through Horizontal Angles (10 - 190)
4 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)