



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL 13012869.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 03-APR-2020
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2WUD-4'00-L8/835U/L8/835D-F/F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, lens enclosures
 [LAMP] 144 White Downlight LEDs/144 White Uplight LEDs
 [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	6262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	50.7654
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)	3.96 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	15380	6185	4670
55	13069	4301	3138
65	10814	2775	1974
75	7917	1483	1054
85	3730	458	347

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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	1337.0	1337.0	1337.0	1337.0	1337.0
0.5	1333.0	1345.0	1334.0	1335.0	1335.0
1.0	1333.0	1344.0	1334.0	1335.0	1335.0
1.5	1333.0	1344.0	1334.0	1335.0	1336.0
2.0	1332.0	1344.0	1333.0	1335.0	1336.0
2.5	1332.0	1343.0	1333.0	1336.0	1336.0
3.0	1331.0	1342.0	1332.0	1335.0	1335.0
3.5	1330.0	1341.0	1331.0	1335.0	1335.0
4.0	1328.0	1340.0	1330.0	1334.0	1334.0
4.5	1327.0	1339.0	1329.0	1333.0	1333.0
5.0	1326.0	1337.0	1327.0	1332.0	1331.0
5.5	1324.0	1336.0	1326.0	1330.0	1329.0
6.0	1322.0	1334.0	1324.0	1328.0	1327.0
6.5	1320.0	1332.0	1322.0	1325.0	1325.0
7.0	1318.0	1330.0	1320.0	1322.0	1322.0
7.5	1315.0	1328.0	1317.0	1319.0	1318.0
8.0	1313.0	1325.0	1315.0	1315.0	1314.0
8.5	1310.0	1322.0	1312.0	1311.0	1310.0
9.0	1307.0	1320.0	1309.0	1307.0	1306.0
9.5	1304.0	1317.0	1306.0	1303.0	1301.0
10.0	1301.0	1314.0	1302.0	1298.0	1295.0
10.5	1298.0	1311.0	1299.0	1294.0	1289.0
11.0	1295.0	1307.0	1294.0	1289.0	1284.0
11.5	1291.0	1303.0	1290.0	1283.0	1278.0
12.0	1287.0	1300.0	1285.0	1278.0	1271.0
12.5	1283.0	1296.0	1280.0	1272.0	1265.0
13.0	1279.0	1292.0	1275.0	1266.0	1258.0
13.5	1275.0	1287.0	1270.0	1260.0	1251.0
14.0	1270.0	1283.0	1264.0	1254.0	1245.0
14.5	1266.0	1278.0	1258.0	1247.0	1238.0
15.0	1261.0	1273.0	1252.0	1240.0	1230.0
15.5	1255.0	1268.0	1246.0	1233.0	1223.0
16.0	1250.0	1263.0	1240.0	1226.0	1215.0
16.5	1245.0	1257.0	1233.0	1218.0	1207.0
17.0	1240.0	1251.0	1226.0	1211.0	1200.0
17.5	1234.0	1246.0	1219.0	1203.0	1192.0
18.0	1228.0	1239.0	1212.0	1195.0	1184.0
18.5	1223.0	1233.0	1205.0	1188.0	1176.0
19.0	1217.0	1227.0	1197.0	1179.0	1167.0
19.5	1211.0	1220.0	1189.0	1171.0	1159.0
20.0	1204.0	1213.0	1181.0	1163.0	1150.0
20.5	1198.0	1207.0	1173.0	1154.0	1140.0
21.0	1192.0	1199.0	1165.0	1144.0	1132.0
21.5	1185.0	1192.0	1157.0	1135.0	1121.0
22.0	1178.0	1185.0	1149.0	1126.0	1112.0
22.5	1171.0	1177.0	1140.0	1116.0	1103.0
23.0	1164.0	1170.0	1132.0	1106.0	1092.0
23.5	1157.0	1162.0	1123.0	1096.0	1082.0
24.0	1149.0	1154.0	1114.0	1086.0	1071.0
24.5	1142.0	1146.0	1106.0	1076.0	1061.0
25.0	1133.0	1138.0	1096.0	1065.0	1050.0
25.5	1125.0	1130.0	1087.0	1055.0	1040.0
26.0	1117.0	1121.0	1078.0	1045.0	1030.0
26.5	1108.0	1112.0	1068.0	1035.0	1019.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1100.0	1103.0	1059.0	1024.0	1008.0
27.5	1091.0	1094.0	1049.0	1014.0	997.8
28.0	1081.0	1085.0	1040.0	1003.0	987.2
28.5	1072.0	1076.0	1029.0	992.9	977.0
29.0	1062.0	1066.0	1019.0	982.5	966.9
29.5	1053.0	1057.0	1009.0	972.1	956.1
30.0	1043.0	1047.0	998.4	962.0	945.2
30.5	1034.0	1036.0	987.9	951.4	935.2
31.0	1024.0	1027.0	977.2	940.7	923.9
31.5	1013.0	1016.0	966.2	929.9	913.1
32.0	1004.0	1005.0	955.3	918.8	902.2
32.5	993.1	994.5	944.2	907.1	891.4
33.0	983.4	983.3	932.8	895.8	879.7
33.5	972.9	972.7	921.6	884.5	868.3
34.0	962.3	961.5	910.2	873.0	857.6
34.5	952.0	950.0	898.7	861.2	846.3
35.0	941.7	938.8	887.5	849.4	834.2
35.5	931.4	927.0	876.1	837.5	821.9
36.0	921.0	915.9	864.2	825.9	810.1
36.5	910.4	904.4	852.8	813.8	798.0
37.0	899.7	893.2	841.1	801.9	784.9
37.5	888.3	881.8	829.7	789.8	772.1
38.0	877.6	870.4	817.9	777.5	759.4
38.5	866.3	858.8	806.5	765.1	747.1
39.0	855.0	847.5	794.5	753.2	736.7
39.5	843.5	836.4	782.9	743.0	725.4
40.0	832.2	825.5	771.1	731.4	713.2
40.5	820.6	814.0	759.5	720.3	701.2
41.0	809.5	802.7	749.0	708.3	689.7
41.5	798.3	791.7	739.5	696.5	678.5
42.0	786.8	780.3	728.2	685.2	667.6
42.5	775.4	769.2	717.6	674.2	657.1
43.0	764.3	758.1	706.4	663.5	646.8
43.5	753.7	748.0	695.5	653.1	636.8
44.0	743.5	738.9	684.8	643.0	627.0
44.5	735.7	728.0	674.2	633.1	617.4
45.0	724.7	717.3	663.8	623.4	607.7
45.5	713.9	706.7	653.6	613.8	598.2
46.0	703.3	695.8	643.6	604.4	588.7
46.5	692.6	684.9	633.6	594.9	579.3
47.0	682.1	674.1	623.8	585.5	569.8
47.5	671.4	663.3	613.9	576.1	560.4
48.0	660.9	652.7	604.1	566.6	551.0
48.5	650.4	642.1	594.2	557.2	541.7
49.0	639.9	631.6	584.4	547.6	532.5
49.5	629.5	621.1	574.5	538.3	523.3
50.0	619.2	610.7	564.7	529.0	514.2
50.5	608.8	600.3	554.8	519.7	505.3
51.0	598.4	590.0	544.9	510.5	496.4
51.5	588.1	579.7	535.1	501.3	487.5
52.0	577.7	569.4	525.5	492.2	478.6
52.5	567.3	559.3	515.9	483.2	469.8
53.0	556.9	549.1	506.5	474.2	461.1
53.5	546.6	539.0	497.2	465.2	452.1
54.0	536.4	529.1	488.0	456.4	443.3
54.5	526.2	519.1	478.9	447.4	434.5

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55.0	516.1	509.3	469.8	438.5	425.7
55.5	506.0	499.6	460.8	429.8	417.0
56.0	496.0	489.9	451.8	421.0	408.2
56.5	486.1	480.4	442.8	412.5	399.7
57.0	476.3	470.8	433.8	403.9	391.3
57.5	466.6	461.2	424.8	395.5	383.1
58.0	457.1	451.6	415.9	387.1	374.9
58.5	447.6	442.1	407.0	378.9	367.0
59.0	438.5	432.8	398.3	370.7	359.0
59.5	429.5	423.6	389.5	362.6	351.2
60.0	420.5	414.4	380.9	354.6	343.5
60.5	411.6	405.3	372.4	346.7	335.8
61.0	402.6	396.2	364.0	338.9	328.2
61.5	393.6	387.3	355.6	331.2	320.7
62.0	384.5	378.4	347.3	323.5	313.4
62.5	375.5	369.6	339.1	315.9	306.1
63.0	366.6	360.9	331.1	308.5	298.9
63.5	357.8	352.2	323.0	301.1	291.7
64.0	349.0	343.4	315.0	293.7	284.6
64.5	340.2	334.7	307.1	286.4	277.5
65.0	331.6	326.1	299.2	279.2	270.6
65.5	322.9	317.5	291.4	272.0	263.7
66.0	314.3	309.0	283.7	264.9	256.8
66.5	305.6	300.5	275.9	257.7	249.9
67.0	296.9	292.2	268.2	250.4	242.9
67.5	288.3	283.8	260.6	243.3	236.0
68.0	279.8	275.4	253.0	236.2	229.2
68.5	271.3	267.1	245.3	229.2	222.4
69.0	262.9	258.7	237.8	222.2	215.6
69.5	254.5	250.5	230.2	215.2	209.0
70.0	246.0	242.3	222.8	208.3	202.3
70.5	237.6	234.2	215.4	201.5	195.8
71.0	229.3	226.0	208.0	194.8	189.4
71.5	221.0	217.9	200.8	188.1	183.2
72.0	212.9	209.8	193.9	181.6	177.1
72.5	204.8	201.9	186.9	175.3	171.0
73.0	196.8	194.1	179.9	169.0	165.0
73.5	188.8	186.4	173.0	162.8	159.1
74.0	181.0	178.7	166.2	156.7	153.2
74.5	173.2	171.2	159.6	150.7	147.4
75.0	165.5	163.8	153.0	144.8	141.6
75.5	158.0	156.4	146.5	139.0	136.0
76.0	150.5	149.2	140.1	133.3	130.5
76.5	143.2	142.1	133.8	127.6	125.1
77.0	136.0	135.1	127.6	122.0	119.6
77.5	128.8	128.2	121.5	116.6	114.3
78.0	121.8	121.4	115.6	111.1	108.9
78.5	114.9	114.8	109.7	105.8	103.7
79.0	108.2	108.3	104.1	100.5	98.7
79.5	101.6	101.9	98.5	95.4	93.7
80.0	95.1	95.7	93.1	90.3	88.8
80.5	88.7	89.7	87.7	85.3	84.0
81.0	82.6	83.8	82.4	80.5	79.3
81.5	76.7	78.1	77.2	75.7	74.7
82.0	70.8	72.5	72.1	70.9	70.1
82.5	65.1	66.9	67.2	66.3	65.7

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83.0	59.6	61.6	62.2	61.8	61.2
83.5	54.2	56.4	57.4	57.3	56.9
84.0	49.0	51.5	52.8	52.9	52.7
84.5	44.0	46.7	48.2	48.6	48.4
85.0	39.2	42.0	43.7	44.4	44.2
85.5	34.6	37.5	39.4	40.3	40.2
86.0	30.1	33.0	35.2	36.2	36.2
86.5	25.8	28.8	31.1	32.3	32.3
87.0	21.6	24.6	27.1	28.5	28.5
87.5	17.5	20.6	23.1	24.7	24.7
88.0	13.5	16.7	19.3	21.0	21.1
88.5	9.5	12.9	15.5	17.6	17.7
89.0	5.5	8.7	11.5	13.6	13.1
89.5	2.7	5.2	7.3	8.6	8.1
90.0	2.4	3.8	4.7	5.0	4.1
90.5	2.7	5.6	7.6	8.1	8.0
91.0	5.5	6.9	8.8	10.5	10.6
91.5	9.6	9.2	10.1	11.3	11.4
92.0	14.3	12.4	12.0	12.9	12.9
92.5	19.1	15.9	14.0	14.7	14.7
93.0	23.9	19.8	16.3	16.6	16.5
93.5	28.8	23.7	19.2	18.6	18.5
94.0	33.7	27.6	22.5	20.7	20.5
94.5	38.6	31.7	26.1	23.0	22.6
95.0	43.5	36.0	30.0	25.7	24.8
95.5	48.3	40.5	34.0	28.7	27.4
96.0	53.2	45.2	37.9	32.0	30.3
96.5	58.0	50.0	41.7	35.6	33.4
97.0	62.9	54.9	45.3	39.4	37.0
97.5	67.8	59.7	48.9	43.3	40.7
98.0	72.7	64.6	52.6	47.1	44.5
98.5	77.6	69.4	56.2	50.8	48.3
99.0	82.5	74.3	59.8	54.4	52.0
99.5	87.4	79.2	63.6	58.0	55.7
100.0	92.3	84.1	67.4	61.5	59.2
100.5	97.3	89.1	71.3	65.1	62.8
101.0	102.2	94.1	75.3	68.7	66.4
101.5	107.3	99.1	79.3	72.4	70.0
102.0	112.4	104.2	83.6	76.0	73.7
102.5	117.7	109.4	87.9	79.7	77.4
103.0	123.0	114.7	92.2	83.5	81.0
103.5	128.5	120.1	96.7	87.4	84.8
104.0	134.1	125.6	101.4	91.3	88.7
104.5	139.6	131.2	106.1	95.4	92.7
105.0	145.2	136.9	111.0	99.5	96.8
105.5	150.9	142.7	116.0	103.7	100.9
106.0	156.8	148.6	121.2	108.0	105.2
106.5	162.9	154.7	126.6	112.5	109.5
107.0	169.2	161.0	132.2	117.0	114.0
107.5	175.6	167.4	138.0	121.7	118.5
108.0	182.3	174.0	143.9	126.6	123.2
108.5	189.2	180.8	150.1	131.7	128.0
109.0	196.3	187.8	156.4	136.9	133.0
109.5	203.5	194.9	163.0	142.3	138.2
110.0	211.1	202.3	169.8	147.9	143.5
110.5	218.8	210.0	176.9	153.8	149.0

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111.0	226.9	217.8	184.3	159.9	154.7
111.5	235.1	225.9	192.0	166.4	160.7
112.0	243.8	234.4	200.0	173.1	167.1
112.5	252.7	243.1	208.3	180.2	173.6
113.0	261.9	252.2	217.0	187.5	180.5
113.5	271.4	261.5	226.0	195.1	187.5
114.0	281.3	271.1	235.3	203.1	195.1
114.5	291.4	281.0	245.0	211.5	202.9
115.0	301.9	291.3	255.0	220.2	211.2
115.5	312.7	301.9	265.5	229.3	219.7
116.0	323.7	312.8	276.3	238.9	228.7
116.5	335.1	324.1	287.5	249.0	238.0
117.0	347.0	335.5	299.1	259.4	247.9
117.5	359.2	347.4	311.0	270.3	258.2
118.0	371.8	359.5	323.3	281.6	268.8
118.5	384.7	372.1	336.0	293.2	279.8
119.0	397.9	385.0	348.9	305.2	291.3
119.5	411.3	398.2	362.3	317.8	303.2
120.0	424.8	411.8	376.1	330.7	315.5
120.5	438.7	425.7	390.2	344.1	328.2
121.0	452.9	440.0	404.7	358.0	341.4
121.5	467.5	454.6	419.5	372.4	355.2
122.0	482.4	469.6	434.7	387.1	369.4
122.5	497.7	484.7	450.2	402.4	384.2
123.0	513.3	500.1	465.9	418.0	399.3
123.5	529.1	515.7	481.9	433.9	414.8
124.0	545.0	531.6	498.1	450.2	430.7
124.5	561.2	547.5	514.5	467.0	447.1
125.0	577.4	563.7	531.2	484.1	464.1
125.5	593.5	580.0	548.0	501.6	481.3
126.0	609.5	596.4	564.9	519.3	498.7
126.5	625.6	612.8	581.8	537.3	516.5
127.0	642.0	629.4	599.0	555.5	534.8
127.5	658.5	646.0	616.1	573.9	553.2
128.0	674.9	662.8	633.2	592.3	571.8
128.5	691.2	679.4	650.2	610.7	590.4
129.0	707.1	695.9	667.0	629.2	609.1
129.5	723.2	712.3	683.8	647.6	628.1
130.0	737.2	728.1	700.4	666.1	647.3
130.5	750.4	741.7	716.8	684.4	666.3
131.0	765.6	756.9	731.4	702.5	685.4
131.5	780.9	771.9	746.5	719.6	704.4
132.0	795.9	787.3	760.4	736.3	721.3
132.5	810.9	802.4	775.9	753.3	739.9
133.0	825.7	817.1	791.3	768.2	758.2
133.5	840.0	832.0	806.4	784.5	773.9
134.0	853.9	846.2	821.4	800.6	791.6
134.5	867.7	860.4	835.9	816.4	808.8
135.0	880.6	873.9	850.4	831.9	825.4
135.5	893.7	887.3	864.6	846.8	841.3
136.0	906.4	900.4	878.4	861.7	857.0
136.5	918.3	913.3	892.0	875.9	872.4
137.0	930.1	925.5	905.7	890.3	887.2
137.5	941.6	937.9	918.1	904.1	901.7
138.0	953.1	949.7	931.0	917.5	915.5
138.5	964.4	961.5	943.1	930.4	928.6

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	974.7	972.9	954.8	943.2	941.9
139.5	985.1	984.1	966.5	955.3	954.3
140.0	995.4	994.4	977.5	967.7	966.6
140.5	1005.0	1005.0	988.4	979.2	978.2
141.0	1015.0	1015.0	999.5	990.6	989.5
141.5	1024.0	1025.0	1010.0	1002.0	1001.0
142.0	1033.0	1035.0	1021.0	1012.0	1012.0
142.5	1042.0	1044.0	1030.0	1023.0	1022.0
143.0	1051.0	1053.0	1040.0	1033.0	1033.0
143.5	1059.0	1062.0	1050.0	1043.0	1043.0
144.0	1067.0	1070.0	1059.0	1053.0	1053.0
144.5	1075.0	1079.0	1067.0	1063.0	1063.0
145.0	1083.0	1087.0	1076.0	1072.0	1073.0
145.5	1091.0	1095.0	1084.0	1081.0	1083.0
146.0	1098.0	1103.0	1092.0	1090.0	1092.0
146.5	1106.0	1110.0	1100.0	1099.0	1102.0
147.0	1113.0	1117.0	1108.0	1107.0	1110.0
147.5	1119.0	1125.0	1115.0	1115.0	1119.0
148.0	1127.0	1132.0	1123.0	1123.0	1127.0
148.5	1134.0	1139.0	1130.0	1130.0	1135.0
149.0	1141.0	1146.0	1137.0	1137.0	1142.0
149.5	1147.0	1153.0	1144.0	1144.0	1149.0
150.0	1154.0	1159.0	1151.0	1150.0	1155.0
150.5	1160.0	1166.0	1158.0	1156.0	1161.0
151.0	1166.0	1172.0	1165.0	1163.0	1167.0
151.5	1173.0	1179.0	1171.0	1169.0	1172.0
152.0	1179.0	1185.0	1178.0	1175.0	1177.0
152.5	1185.0	1191.0	1185.0	1181.0	1183.0
153.0	1191.0	1197.0	1191.0	1187.0	1188.0
153.5	1197.0	1202.0	1197.0	1193.0	1193.0
154.0	1202.0	1208.0	1203.0	1199.0	1198.0
154.5	1208.0	1214.0	1209.0	1205.0	1204.0
155.0	1213.0	1219.0	1215.0	1211.0	1209.0
155.5	1218.0	1224.0	1221.0	1217.0	1215.0
156.0	1223.0	1229.0	1226.0	1223.0	1221.0
156.5	1228.0	1234.0	1232.0	1229.0	1227.0
157.0	1232.0	1239.0	1237.0	1235.0	1232.0
157.5	1237.0	1244.0	1242.0	1241.0	1238.0
158.0	1242.0	1249.0	1247.0	1246.0	1244.0
158.5	1247.0	1253.0	1252.0	1252.0	1249.0
159.0	1251.0	1258.0	1256.0	1257.0	1254.0
159.5	1255.0	1262.0	1261.0	1263.0	1260.0
160.0	1259.0	1266.0	1266.0	1268.0	1265.0
160.5	1263.0	1270.0	1270.0	1272.0	1270.0
161.0	1267.0	1274.0	1274.0	1277.0	1275.0
161.5	1271.0	1278.0	1278.0	1281.0	1279.0
162.0	1275.0	1282.0	1282.0	1285.0	1284.0
162.5	1279.0	1286.0	1286.0	1289.0	1288.0
163.0	1283.0	1289.0	1290.0	1293.0	1292.0
163.5	1287.0	1293.0	1293.0	1296.0	1295.0
164.0	1291.0	1297.0	1297.0	1299.0	1299.0
164.5	1294.0	1301.0	1300.0	1302.0	1302.0
165.0	1298.0	1304.0	1303.0	1305.0	1305.0
165.5	1301.0	1307.0	1305.0	1308.0	1308.0
166.0	1305.0	1311.0	1308.0	1310.0	1311.0
166.5	1308.0	1314.0	1310.0	1313.0	1313.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1311.0	1317.0	1313.0	1316.0	1317.0
167.5	1314.0	1320.0	1315.0	1318.0	1319.0
168.0	1317.0	1322.0	1318.0	1321.0	1321.0
168.5	1320.0	1325.0	1320.0	1323.0	1324.0
169.0	1322.0	1327.0	1322.0	1326.0	1327.0
169.5	1325.0	1330.0	1324.0	1328.0	1329.0
170.0	1327.0	1332.0	1326.0	1330.0	1332.0
170.5	1330.0	1334.0	1328.0	1332.0	1334.0
171.0	1332.0	1336.0	1329.0	1334.0	1336.0
171.5	1333.0	1337.0	1331.0	1336.0	1339.0
172.0	1336.0	1339.0	1333.0	1338.0	1341.0
172.5	1337.0	1341.0	1334.0	1340.0	1343.0
173.0	1339.0	1342.0	1336.0	1341.0	1345.0
173.5	1341.0	1344.0	1337.0	1342.0	1347.0
174.0	1342.0	1345.0	1338.0	1344.0	1348.0
174.5	1344.0	1346.0	1340.0	1345.0	1349.0
175.0	1345.0	1347.0	1341.0	1346.0	1350.0
175.5	1346.0	1348.0	1341.0	1347.0	1351.0
176.0	1348.0	1349.0	1343.0	1348.0	1352.0
176.5	1349.0	1350.0	1343.0	1348.0	1352.0
177.0	1349.0	1350.0	1344.0	1349.0	1352.0
177.5	1350.0	1351.0	1345.0	1349.0	1352.0
178.0	1351.0	1352.0	1345.0	1349.0	1353.0
178.5	1352.0	1352.0	1346.0	1350.0	1352.0
179.0	1352.0	1352.0	1346.0	1350.0	1352.0
179.5	1352.0	1352.0	1347.0	1350.0	1352.0
180.0	1350.0	1350.0	1350.0	1350.0	1350.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	478.55	N.A.	7.60
0-30	983.17	N.A.	15.70
0-40	1539.15	N.A.	24.60
0-60	2477.6	N.A.	39.60
0-80	2940.27	N.A.	47.00
0-90	2989.01	N.A.	47.70
10-90	2862.83	N.A.	45.70
20-40	1060.59	N.A.	16.90
20-50	1576.2	N.A.	25.20
40-70	1237.29	N.A.	19.80
60-80	462.67	N.A.	7.40
70-80	163.83	N.A.	2.60
80-90	48.74	N.A.	0.80
90-110	162.57	N.A.	2.60
90-120	421.01	N.A.	6.70
90-130	891.94	N.A.	14.20
90-150	2217.8	N.A.	35.40
90-180	3273.28	N.A.	52.30
110-180	3110.71	N.A.	49.70
0-180	6262.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.18
10-20	352.38
20-30	504.62
30-40	555.97
40-50	515.61
50-60	422.84
60-70	298.84
70-80	163.83
80-90	48.74
90-100	36.96
100-110	125.61
110-120	258.44
120-130	470.93
130-140	653.10
140-150	672.76
150-160	559.67
160-170	367.89
170-180	127.91

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L8-835U-L8-835D-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 : MX2WUD-4-00-L8-835U-L8-835D-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	12.3	13.1	13.3	14.1	15.4	13.4	14.2	14.4	15.2	16.5
	3H	13.4	14.1	14.4	15.1	16.4	14.9	15.6	15.9	16.6	18.0
	4H	13.7	14.4	14.7	15.4	16.7	15.4	16.1	16.4	17.1	18.4
	6H	13.8	14.4	14.8	15.4	16.8	15.8	16.4	16.8	17.4	18.8
	8H	13.8	14.4	14.8	15.4	16.8	15.9	16.5	16.9	17.5	18.9
	12H	13.8	14.4	14.8	15.4	16.7	16.0	16.6	17.0	17.6	18.9

UGR Viewed Endwise

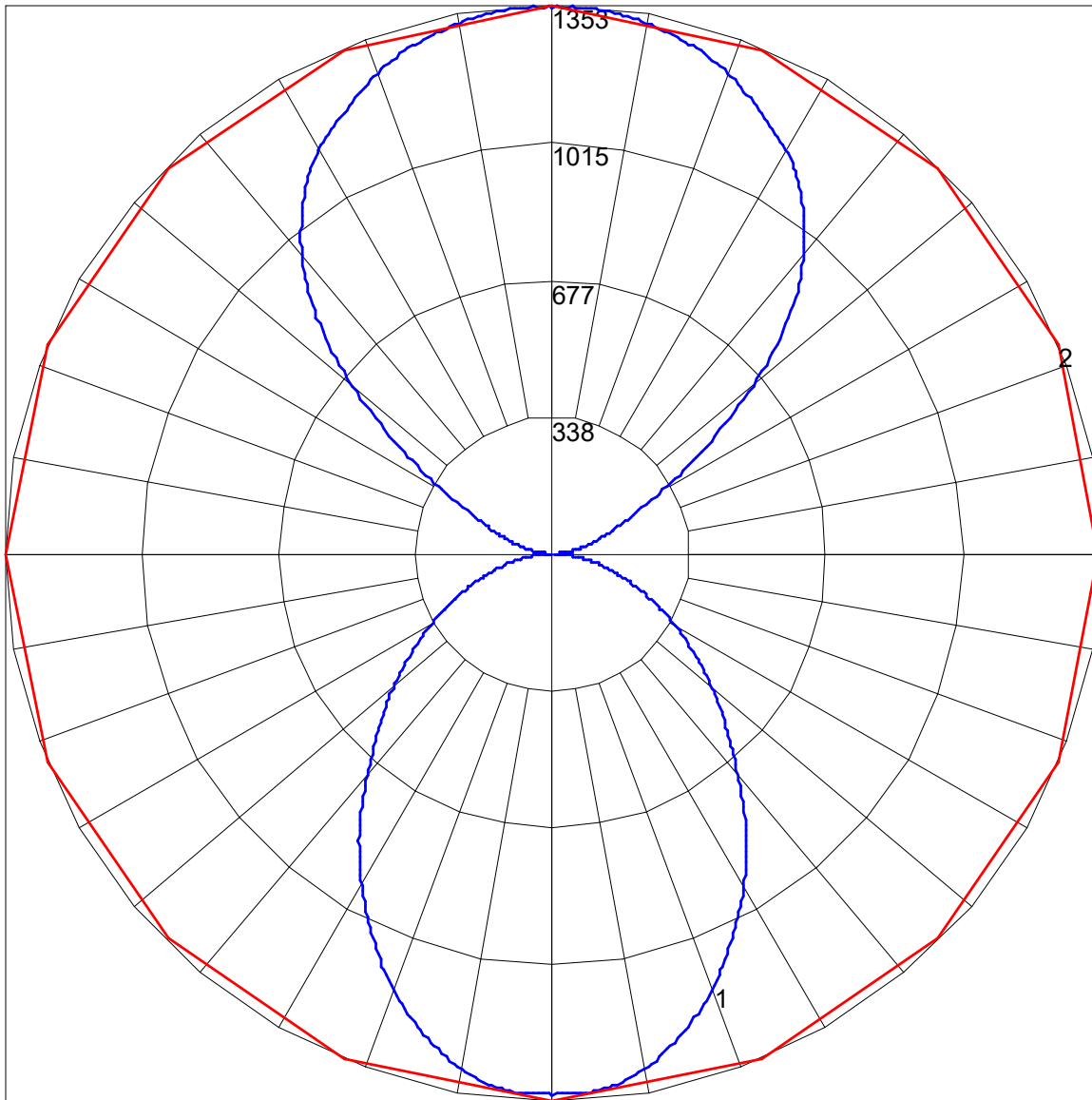
4H	2H	12.6	13.4	13.7	14.4	15.7	13.6	14.3	14.6	15.3	16.6
	3H	13.9	14.5	14.9	15.5	16.9	15.2	15.8	16.2	16.8	18.2
	4H	14.3	14.8	15.3	15.8	17.2	15.8	16.3	16.8	17.4	18.7
	6H	14.5	14.9	15.5	16.0	17.4	16.3	16.7	17.3	17.8	19.1
	8H	14.5	14.9	15.5	16.0	17.4	16.4	16.8	17.4	17.9	19.2
	12H	14.5	14.9	15.5	15.9	17.3	16.5	16.9	17.6	17.9	19.3

8H	4H	14.4	14.8	15.4	15.9	17.2	15.8	16.2	16.8	17.3	18.7
	6H	14.7	15.0	15.7	16.1	17.5	16.3	16.7	17.4	17.8	19.1
	8H	14.7	15.0	15.8	16.1	17.5	16.5	16.8	17.6	17.9	19.3
	12H	14.7	15.0	15.8	16.1	17.5	16.6	16.9	17.7	18.0	19.4

12H	4H	14.4	14.8	15.4	15.8	17.2	15.8	16.2	16.8	17.2	18.6
	6H	14.7	15.0	15.7	16.0	17.4	16.3	16.6	17.4	17.7	19.1
	8H	14.7	15.0	15.8	16.1	17.5	16.5	16.8	17.6	17.8	19.3

Maximum UGR = 19.4

POLAR GRAPH



Maximum Candela = 1353 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.)