

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244581

Luminaire Tested: **LD8B30D010 ER8B309727 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B309727 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2154.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

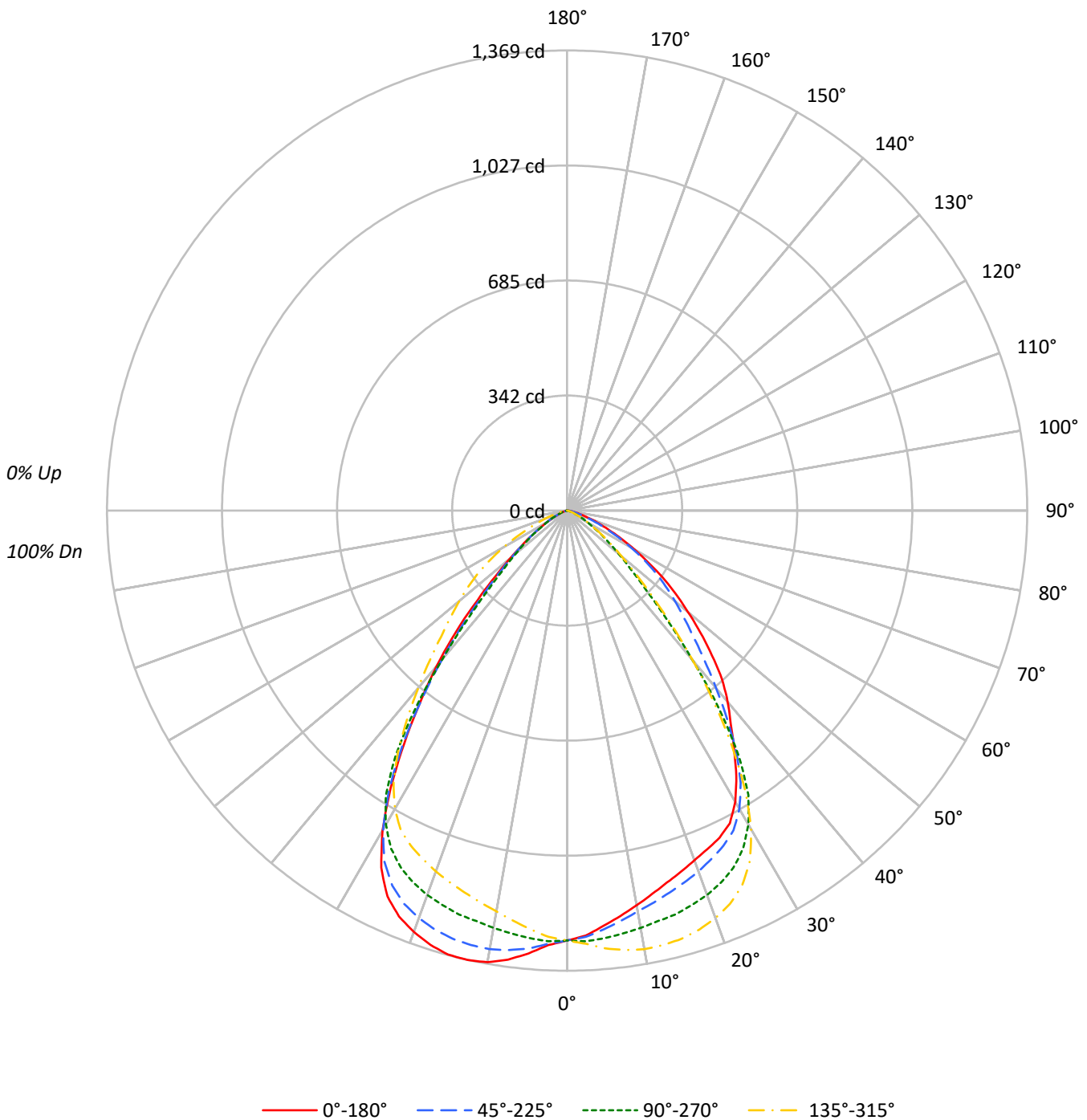
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	5.7
10°-20°	352.5	16.4
20°-30°	533.7	24.8
30°-40°	534.9	24.8
40°-50°	335.9	15.6
50°-60°	179.0	8.3
60°-70°	73.6	3.4
70°-80°	19.4	0.9
80°-90°	3.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1007.9	46.8
0°-40°	1542.8	71.6
0°-60°	2057.7	95.5
0°-90°	2154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1279	1279	1279	1279	1279	
5°	1240	1277	1322	1277	1240	117
15°	1146	1244	1367	1244	1146	324
25°	1073	1171	1266	1171	1073	492
35°	865	890	844	890	865	542
45°	609	326	377	326	609	469
55°	346	120	127	120	346	309
65°	138	37	34	37	138	143
75°	39	8	6	8	39	44
85°	8	0	1	0	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1265.7	1264.4	1263.8	1265.0	1265.7	1268.1	1267.5	1268.8	1268.8	1269.4	1270.6
5°	1240.1	1239.4	1240.1	1240.1	1242.5	1245.0	1244.4	1246.3	1247.5	1250.7	1251.9
7.5°	1216.3	1216.3	1215.7	1218.2	1219.4	1223.2	1222.6	1225.7	1227.6	1230.7	1235.0
10°	1192.0	1192.0	1192.6	1194.5	1195.1	1200.7	1200.7	1205.1	1207.6	1210.7	1216.3
12.5°	1168.2	1168.2	1172.0	1170.7	1173.2	1177.6	1179.5	1183.8	1187.6	1193.8	1199.5
15°	1145.8	1145.8	1147.0	1150.1	1152.0	1157.6	1160.7	1165.8	1170.1	1176.4	1184.5
17.5°	1126.4	1125.8	1126.4	1130.2	1133.9	1138.9	1141.4	1147.6	1152.0	1160.1	1167.6
20°	1107.1	1108.3	1108.3	1111.4	1113.9	1120.2	1122.7	1129.5	1134.5	1142.0	1150.8
22.5°	1090.2	1089.6	1089.6	1093.9	1095.8	1101.4	1103.9	1110.2	1115.8	1122.0	1130.2
25°	1073.3	1072.1	1074.6	1075.2	1076.4	1082.7	1084.6	1088.9	1094.6	1100.2	1108.3
27.5°	1048.4	1047.1	1047.7	1050.2	1052.1	1057.1	1058.4	1062.7	1067.1	1072.1	1079.0
30°	1000.3	999.0	998.4	1002.8	1004.7	1008.4	1010.3	1017.8	1019.0	1024.6	1029.6
32.5°	936.6	936.0	937.2	941.0	942.8	947.8	950.3	954.7	957.8	960.9	965.9
35°	865.4	864.2	865.4	869.2	869.2	873.5	875.4	877.3	876.6	877.3	876.0
37.5°	799.2	798.6	799.2	801.1	799.2	801.1	799.2	795.5	788.6	781.1	773.6
40°	743.0	743.6	739.9	742.4	735.5	734.3	727.4	718.1	704.3	689.3	668.1
42.5°	683.1	681.2	678.7	680.0	674.4	670.0	658.7	646.9	629.4	604.4	578.8
45°	609.4	608.8	607.5	606.9	603.2	598.8	589.4	575.7	556.3	530.7	500.1
47.5°	537.6	535.7	535.7	536.3	532.0	531.4	523.9	512.0	495.1	470.2	438.3
50°	468.9	468.3	469.6	472.0	468.9	467.7	462.7	454.6	439.6	418.4	388.4
52.5°	407.1	406.5	407.7	410.9	409.6	410.9	405.9	399.6	389.6	369.0	342.8
55°	346.5	346.5	346.5	350.3	350.3	350.3	347.8	344.1	334.7	319.7	295.4
57.5°	283.5	284.1	287.8	288.5	287.8	289.1	288.5	284.7	278.5	267.9	249.1
60°	230.4	230.4	232.3	234.2	233.5	234.2	234.2	232.3	226.0	217.3	202.3
62.5°	182.3	184.2	182.9	184.2	186.7	184.2	182.9	181.7	177.3	171.7	159.2
65°	138.0	139.2	139.2	139.9	138.6	139.2	136.8	134.9	132.4	126.1	118.0
67.5°	104.9	104.9	104.9	104.9	104.3	103.7	103.0	101.2	96.8	94.3	85.5
70°	80.5	76.8	76.8	76.8	76.8	77.4	75.6	73.1	71.8	67.4	61.2
72.5°	53.7	54.9	53.7	53.7	52.5	53.1	50.6	49.3	48.1	45.6	41.8
75°	38.7	35.6	36.8	37.5	35.6	36.8	34.3	31.8	31.8	30.0	28.1
77.5°	25.0	24.4	25.0	25.6	25.0	24.4	23.1	21.8	21.8	21.2	19.4
80°	18.1	17.5	17.5	17.5	16.9	17.5	16.2	16.2	15.0	14.4	13.1
82.5°	11.9	11.9	11.2	11.9	11.2	11.9	10.0	10.0	10.0	9.4	8.1
85°	8.1	6.9	6.9	7.5	6.2	7.5	6.9	6.2	5.6	5.6	5.0
87.5°	3.8	4.4	3.8	4.4	3.8	3.8	4.4	3.8	3.8	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1272.5	1273.1	1273.1	1275.7	1276.9	1277.5	1277.5	1282.5	1280.6	1281.9	1283.1
5°	1254.4	1258.1	1259.4	1259.4	1266.3	1268.8	1271.3	1276.9	1277.5	1281.3	1285.6
7.5°	1236.9	1241.3	1243.8	1249.4	1253.8	1258.1	1265.7	1269.4	1273.1	1278.1	1283.7
10°	1220.1	1225.1	1230.1	1234.4	1241.3	1246.9	1251.9	1260.6	1265.0	1271.9	1279.4
12.5°	1203.8	1210.7	1215.1	1222.6	1230.1	1235.0	1242.5	1250.7	1257.5	1264.4	1273.1
15°	1189.5	1197.6	1202.6	1210.7	1218.8	1225.7	1233.8	1243.8	1248.8	1256.9	1265.0
17.5°	1173.9	1182.6	1188.9	1196.3	1206.3	1213.8	1220.7	1230.7	1236.9	1245.7	1255.0
20°	1157.6	1166.4	1173.9	1181.4	1191.4	1198.8	1207.0	1217.0	1223.8	1232.6	1240.1
22.5°	1138.3	1146.4	1154.5	1163.2	1173.2	1179.5	1188.9	1197.6	1205.1	1213.2	1220.7
25°	1113.3	1123.3	1129.5	1137.6	1145.8	1152.6	1162.6	1171.4	1177.6	1185.1	1192.0
27.5°	1084.0	1091.5	1096.4	1103.3	1111.4	1117.7	1125.1	1133.9	1140.2	1147.0	1152.0
30°	1034.0	1040.9	1045.2	1050.2	1058.4	1064.0	1070.2	1078.3	1082.7	1087.7	1092.1
32.5°	968.4	974.1	976.5	980.3	985.9	991.5	996.5	1003.4	1005.3	1008.4	1008.4
35°	873.5	874.8	874.2	875.4	877.9	881.0	885.4	889.8	892.2	892.2	890.4
37.5°	762.4	754.9	746.8	740.5	738.7	737.4	739.9	741.8	744.3	745.5	742.4
40°	646.9	630.0	611.9	595.7	584.4	579.4	577.6	578.8	578.8	583.2	583.2
42.5°	547.6	521.4	494.5	470.2	453.9	441.5	435.8	435.8	436.4	439.6	441.5
45°	465.2	432.1	400.9	374.0	351.5	335.3	327.8	325.9	325.3	326.6	330.9
47.5°	402.1	367.8	335.3	302.2	278.5	262.2	255.4	252.9	250.4	252.9	253.5
50°	352.8	317.2	282.9	249.8	224.8	210.4	201.7	197.9	197.3	197.3	198.6
52.5°	307.8	274.7	240.4	206.7	180.4	166.7	158.6	156.7	154.2	156.7	156.7
55°	265.4	232.3	198.6	166.7	144.8	130.5	123.0	120.5	119.3	121.1	121.1
57.5°	219.2	191.1	159.9	131.1	109.3	99.3	93.7	90.5	89.9	91.2	89.9
60°	179.8	156.1	129.2	103.0	86.2	75.6	71.2	69.9	68.7	69.9	69.9
62.5°	142.4	122.4	100.5	80.5	66.2	58.7	53.7	53.7	53.1	53.1	53.7
65°	105.5	89.9	74.3	57.4	46.2	40.6	36.8	36.8	36.2	36.8	36.2
67.5°	76.8	66.2	53.7	41.8	33.1	30.0	27.5	25.6	26.9	25.6	25.0
70°	56.2	47.4	38.7	31.8	25.6	22.5	20.6	20.0	18.7	18.7	18.7
72.5°	37.5	31.8	26.2	20.6	16.9	13.7	13.1	11.9	10.6	11.2	12.5
75°	25.0	21.2	18.7	15.0	11.2	11.2	7.5	7.5	6.2	7.5	5.6
77.5°	17.5	14.4	11.2	9.4	7.5	6.9	5.0	5.0	4.4	4.4	4.4
80°	12.5	10.6	8.1	6.9	5.0	5.0	4.4	3.8	3.1	3.1	3.8
82.5°	7.5	5.6	5.6	5.0	3.1	2.5	1.9	2.5	1.3	1.3	1.3
85°	4.4	3.8	3.1	1.9	1.3	1.3	0.6	0.0	0.6	0.6	0.0
87.5°	2.5	1.3	1.3	0.6	0.0	0.6	0.6	0.0	0.0	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1286.3	1285.6	1286.9	1286.9	1290.6	1290.0	1291.9	1291.9	1290.6	1291.3	1293.7
5°	1290.6	1292.5	1296.2	1299.4	1305.0	1307.5	1310.6	1313.7	1314.4	1316.2	1318.1
7.5°	1290.6	1296.9	1301.2	1306.9	1314.4	1318.7	1325.6	1331.2	1333.7	1336.8	1340.6
10°	1288.1	1294.4	1302.5	1308.7	1318.1	1325.0	1331.8	1340.6	1344.3	1349.3	1354.3
12.5°	1283.1	1290.0	1298.7	1306.9	1317.5	1323.7	1332.5	1340.6	1346.2	1353.1	1358.7
15°	1275.7	1283.7	1291.9	1300.0	1311.2	1318.7	1326.8	1336.2	1341.8	1349.3	1354.3
17.5°	1263.8	1272.5	1280.0	1287.5	1298.1	1306.9	1314.4	1323.1	1328.7	1335.0	1341.8
20°	1249.4	1257.5	1265.7	1271.9	1282.5	1290.0	1298.1	1306.2	1310.6	1311.9	1322.5
22.5°	1231.3	1236.9	1243.2	1253.2	1259.4	1266.3	1273.8	1281.3	1285.6	1292.5	1296.2
25°	1201.3	1207.0	1213.8	1218.2	1225.7	1231.3	1238.8	1246.9	1249.4	1254.4	1258.1
27.5°	1159.5	1162.6	1165.8	1169.5	1173.9	1177.0	1181.4	1185.1	1187.6	1190.1	1192.6
30°	1093.3	1093.3	1093.3	1090.8	1092.7	1094.6	1095.2	1094.6	1094.6	1093.9	1093.9
32.5°	1005.9	1000.9	995.3	990.3	988.4	985.9	984.7	982.8	979.7	977.8	978.4
35°	887.9	876.6	869.8	863.5	858.6	854.8	852.9	851.1	850.4	847.9	845.4
37.5°	740.5	732.4	727.4	723.7	719.3	715.6	716.2	716.8	718.7	717.4	718.1
40°	584.4	582.6	584.4	580.1	578.8	580.1	583.2	587.6	590.1	592.6	596.9
42.5°	444.6	447.7	452.1	452.1	453.9	456.4	460.2	467.1	470.8	475.2	480.2
45°	334.7	338.4	344.1	345.9	347.2	350.3	354.7	360.3	362.8	366.5	370.9
47.5°	257.9	260.4	263.5	266.6	269.7	271.0	275.4	275.4	278.5	281.0	282.2
50°	201.1	203.5	206.0	207.9	209.2	211.1	212.3	214.2	214.8	216.0	216.7
52.5°	157.3	160.5	160.5	161.7	163.6	165.5	164.8	165.5	166.1	166.1	168.0
55°	123.0	123.0	124.9	124.9	126.1	125.5	126.1	126.1	126.1	126.1	126.8
57.5°	91.8	92.4	94.3	93.0	92.4	93.7	92.4	93.7	93.0	94.3	92.4
60°	70.5	70.5	71.2	71.2	71.8	71.8	71.8	71.2	71.2	70.5	70.5
62.5°	53.1	53.7	54.3	53.7	53.7	53.7	53.1	53.1	52.5	51.8	51.8
65°	35.6	35.0	36.2	35.0	35.6	35.6	35.0	35.6	33.7	34.3	33.7
67.5°	25.6	25.0	24.4	25.0	24.4	23.7	23.7	24.4	25.0	23.1	23.1
70°	16.9	17.5	16.9	17.5	18.1	18.1	17.5	16.9	17.5	16.2	16.9
72.5°	10.6	10.6	10.6	10.6	10.6	11.2	11.2	11.2	10.0	10.0	9.4
75°	5.0	6.9	5.6	5.0	6.9	6.9	6.2	6.2	5.6	5.6	5.6
77.5°	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.1	3.8	3.1
80°	2.5	2.5	2.5	1.9	2.5	2.5	3.1	2.5	2.5	1.9	3.1
82.5°	1.3	1.3	1.3	0.0	0.6	1.3	1.3	0.6	1.3	1.3	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244581

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1293.1	1292.5	1293.1	1293.7	1293.1	1292.5	1293.1	1293.7	1291.3	1290.6	1291.9
5°	1320.6	1320.6	1321.8	1322.5	1321.8	1320.6	1320.6	1318.1	1316.2	1314.4	1313.7
7.5°	1344.3	1345.6	1346.8	1347.4	1346.8	1345.6	1344.3	1340.6	1336.8	1333.7	1331.2
10°	1358.7	1360.6	1363.1	1364.3	1363.1	1360.6	1358.7	1354.3	1349.3	1344.3	1340.6
12.5°	1364.9	1366.8	1369.9	1369.3	1369.9	1366.8	1364.9	1358.7	1353.1	1346.2	1340.6
15°	1360.6	1363.1	1366.2	1367.4	1366.2	1363.1	1360.6	1354.3	1349.3	1341.8	1336.2
17.5°	1346.8	1350.6	1352.4	1354.3	1352.4	1350.6	1346.8	1341.8	1335.0	1328.7	1323.1
20°	1328.1	1330.6	1333.1	1333.7	1333.1	1330.6	1328.1	1322.5	1311.9	1310.6	1306.2
22.5°	1301.2	1303.1	1308.7	1306.9	1308.7	1303.1	1301.2	1296.2	1292.5	1285.6	1281.3
25°	1262.5	1264.4	1265.0	1265.7	1265.0	1264.4	1262.5	1258.1	1254.4	1249.4	1246.9
27.5°	1195.7	1195.7	1197.0	1197.6	1197.0	1195.7	1195.7	1192.6	1190.1	1187.6	1185.1
30°	1094.6	1094.6	1094.6	1097.7	1094.6	1094.6	1094.6	1093.9	1093.9	1094.6	1094.6
32.5°	977.8	976.5	975.3	976.5	975.3	976.5	977.8	978.4	977.8	979.7	982.8
35°	845.4	844.8	846.7	844.2	846.7	844.8	845.4	845.4	847.9	850.4	851.1
37.5°	718.7	717.4	719.9	717.4	719.9	717.4	718.7	718.1	717.4	718.7	716.8
40°	598.2	599.4	599.4	604.4	599.4	599.4	598.2	596.9	592.6	590.1	587.6
42.5°	482.7	486.4	485.2	488.9	485.2	486.4	482.7	480.2	475.2	470.8	467.1
45°	373.4	375.9	375.9	377.1	375.9	375.9	373.4	370.9	366.5	362.8	360.3
47.5°	286.6	286.6	286.6	287.2	286.6	286.6	286.6	282.2	281.0	278.5	275.4
50°	217.9	218.5	219.2	219.8	219.2	218.5	217.9	216.7	216.0	214.8	214.2
52.5°	167.3	168.0	166.7	168.0	166.7	168.0	167.3	168.0	166.1	166.1	165.5
55°	126.8	126.1	126.8	127.4	126.8	126.1	126.8	126.8	126.1	126.1	126.1
57.5°	93.0	91.8	91.8	91.8	91.8	91.8	93.0	92.4	94.3	93.0	93.7
60°	69.3	69.9	69.9	70.5	69.9	69.9	69.3	70.5	70.5	71.2	71.2
62.5°	51.2	53.1	51.8	53.1	51.8	53.1	51.2	51.8	51.8	52.5	53.1
65°	33.1	33.1	33.1	33.7	33.1	33.1	33.1	33.7	34.3	33.7	35.6
67.5°	22.5	23.1	24.4	23.7	24.4	23.1	22.5	23.1	23.1	25.0	24.4
70°	18.1	16.2	16.2	18.1	16.2	16.2	18.1	16.9	16.2	17.5	16.9
72.5°	10.6	9.4	10.6	10.6	10.6	9.4	10.6	9.4	10.0	10.0	11.2
75°	5.6	5.0	4.4	6.2	4.4	5.0	5.6	5.6	5.6	5.6	6.2
77.5°	3.8	3.1	4.4	4.4	4.4	3.1	3.8	3.1	3.8	3.1	3.8
80°	1.9	2.5	1.9	3.1	1.9	2.5	1.9	3.1	1.9	2.5	2.5
82.5°	0.6	1.3	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.3	0.6
85°	0.0	1.3	0.6	0.6	0.6	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244581

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1291.9	1290.0	1290.6	1286.9	1286.9	1285.6	1286.3	1283.1	1281.9	1280.6	1282.5
5°	1310.6	1307.5	1305.0	1299.4	1296.2	1292.5	1290.6	1285.6	1281.3	1277.5	1276.9
7.5°	1325.6	1318.7	1314.4	1306.9	1301.2	1296.9	1290.6	1283.7	1278.1	1273.1	1269.4
10°	1331.8	1325.0	1318.1	1308.7	1302.5	1294.4	1288.1	1279.4	1271.9	1265.0	1260.6
12.5°	1332.5	1323.7	1317.5	1306.9	1298.7	1290.0	1283.1	1273.1	1264.4	1257.5	1250.7
15°	1326.8	1318.7	1311.2	1300.0	1291.9	1283.7	1275.7	1265.0	1256.9	1248.8	1243.8
17.5°	1314.4	1306.9	1298.1	1287.5	1280.0	1272.5	1263.8	1255.0	1245.7	1236.9	1230.7
20°	1298.1	1290.0	1282.5	1271.9	1265.7	1257.5	1249.4	1240.1	1232.6	1223.8	1217.0
22.5°	1273.8	1266.3	1259.4	1253.2	1243.2	1236.9	1231.3	1220.7	1213.2	1205.1	1197.6
25°	1238.8	1231.3	1225.7	1218.2	1213.8	1207.0	1201.3	1192.0	1185.1	1177.6	1171.4
27.5°	1181.4	1177.0	1173.9	1169.5	1165.8	1162.6	1159.5	1152.0	1147.0	1140.2	1133.9
30°	1095.2	1094.6	1092.7	1090.8	1093.3	1093.3	1093.3	1092.1	1087.7	1082.7	1078.3
32.5°	984.7	985.9	988.4	990.3	995.3	1000.9	1005.9	1008.4	1008.4	1005.3	1003.4
35°	852.9	854.8	858.6	863.5	869.8	876.6	887.9	890.4	892.2	892.2	889.8
37.5°	716.2	715.6	719.3	723.7	727.4	732.4	740.5	742.4	745.5	744.3	741.8
40°	583.2	580.1	578.8	580.1	584.4	582.6	584.4	583.2	583.2	578.8	578.8
42.5°	460.2	456.4	453.9	452.1	452.1	447.7	444.6	441.5	439.6	436.4	435.8
45°	354.7	350.3	347.2	345.9	344.1	338.4	334.7	330.9	326.6	325.3	325.9
47.5°	275.4	271.0	269.7	266.6	263.5	260.4	257.9	253.5	252.9	250.4	252.9
50°	212.3	211.1	209.2	207.9	206.0	203.5	201.1	198.6	197.3	197.3	197.9
52.5°	164.8	165.5	163.6	161.7	160.5	160.5	157.3	156.7	156.7	154.2	156.7
55°	126.1	125.5	126.1	124.9	124.9	123.0	123.0	121.1	121.1	119.3	120.5
57.5°	92.4	93.7	92.4	93.0	94.3	92.4	91.8	89.9	91.2	89.9	90.5
60°	71.8	71.8	71.8	71.2	71.2	70.5	70.5	69.9	69.9	68.7	69.9
62.5°	53.1	53.7	53.7	53.7	54.3	53.7	53.1	53.7	53.1	53.1	53.7
65°	35.0	35.6	35.6	35.0	36.2	35.0	35.6	36.2	36.8	36.2	36.8
67.5°	23.7	23.7	24.4	25.0	24.4	25.0	25.6	25.0	25.6	26.9	25.6
70°	17.5	18.1	18.1	17.5	16.9	17.5	16.9	18.7	18.7	18.7	20.0
72.5°	11.2	11.2	10.6	10.6	10.6	10.6	10.6	12.5	11.2	10.6	11.9
75°	6.2	6.9	6.9	5.0	5.6	6.9	5.0	5.6	7.5	6.2	7.5
77.5°	3.8	3.8	3.8	3.8	3.8	3.8	5.0	4.4	4.4	4.4	5.0
80°	3.1	2.5	2.5	1.9	2.5	2.5	2.5	3.8	3.1	3.1	3.8
82.5°	1.3	1.3	0.6	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244581

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1277.5	1277.5	1276.9	1275.7	1273.1	1273.1	1272.5	1270.6	1269.4	1268.8	1268.8
5°	1271.3	1268.8	1266.3	1259.4	1259.4	1258.1	1254.4	1251.9	1250.7	1247.5	1246.3
7.5°	1265.7	1258.1	1253.8	1249.4	1243.8	1241.3	1236.9	1235.0	1230.7	1227.6	1225.7
10°	1251.9	1246.9	1241.3	1234.4	1230.1	1225.1	1220.1	1216.3	1210.7	1207.6	1205.1
12.5°	1242.5	1235.0	1230.1	1222.6	1215.1	1210.7	1203.8	1199.5	1193.8	1187.6	1183.8
15°	1233.8	1225.7	1218.8	1210.7	1202.6	1197.6	1189.5	1184.5	1176.4	1170.1	1165.8
17.5°	1220.7	1213.8	1206.3	1196.3	1188.9	1182.6	1173.9	1167.6	1160.1	1152.0	1147.6
20°	1207.0	1198.8	1191.4	1181.4	1173.9	1166.4	1157.6	1150.8	1142.0	1134.5	1129.5
22.5°	1188.9	1179.5	1173.2	1163.2	1154.5	1146.4	1138.3	1130.2	1122.0	1115.8	1110.2
25°	1162.6	1152.6	1145.8	1137.6	1129.5	1123.3	1113.3	1108.3	1100.2	1094.6	1088.9
27.5°	1125.1	1117.7	1111.4	1103.3	1096.4	1091.5	1084.0	1079.0	1072.1	1067.1	1062.7
30°	1070.2	1064.0	1058.4	1050.2	1045.2	1040.9	1034.0	1029.6	1024.6	1019.0	1017.8
32.5°	996.5	991.5	985.9	980.3	976.5	974.1	968.4	965.9	960.9	957.8	954.7
35°	885.4	881.0	877.9	875.4	874.2	874.8	873.5	876.0	877.3	876.6	877.3
37.5°	739.9	737.4	738.7	740.5	746.8	754.9	762.4	773.6	781.1	788.6	795.5
40°	577.6	579.4	584.4	595.7	611.9	630.0	646.9	668.1	689.3	704.3	718.1
42.5°	435.8	441.5	453.9	470.2	494.5	521.4	547.6	578.8	604.4	629.4	646.9
45°	327.8	335.3	351.5	374.0	400.9	432.1	465.2	500.1	530.7	556.3	575.7
47.5°	255.4	262.2	278.5	302.2	335.3	367.8	402.1	438.3	470.2	495.1	512.0
50°	201.7	210.4	224.8	249.8	282.9	317.2	352.8	388.4	418.4	439.6	454.6
52.5°	158.6	166.7	180.4	206.7	240.4	274.7	307.8	342.8	369.0	389.6	399.6
55°	123.0	130.5	144.8	166.7	198.6	232.3	265.4	295.4	319.7	334.7	344.1
57.5°	93.7	99.3	109.3	131.1	159.9	191.1	219.2	249.1	267.9	278.5	284.7
60°	71.2	75.6	86.2	103.0	129.2	156.1	179.8	202.3	217.3	226.0	232.3
62.5°	53.7	58.7	66.2	80.5	100.5	122.4	142.4	159.2	171.7	177.3	181.7
65°	36.8	40.6	46.2	57.4	74.3	89.9	105.5	118.0	126.1	132.4	134.9
67.5°	27.5	30.0	33.1	41.8	53.7	66.2	76.8	85.5	94.3	96.8	101.2
70°	20.6	22.5	25.6	31.8	38.7	47.4	56.2	61.2	67.4	71.8	73.1
72.5°	13.1	13.7	16.9	20.6	26.2	31.8	37.5	41.8	45.6	48.1	49.3
75°	7.5	11.2	11.2	15.0	18.7	21.2	25.0	28.1	30.0	31.8	31.8
77.5°	5.0	6.9	7.5	9.4	11.2	14.4	17.5	19.4	21.2	21.8	21.8
80°	4.4	5.0	5.0	6.9	8.1	10.6	12.5	13.1	14.4	15.0	16.2
82.5°	1.9	2.5	3.1	5.0	5.6	5.6	7.5	8.1	9.4	10.0	10.0
85°	0.6	1.3	1.3	1.9	3.1	3.8	4.4	5.0	5.6	5.6	6.2
87.5°	0.6	0.6	0.0	0.6	1.3	1.3	2.5	2.5	2.5	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P244581

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8	1278.8
2.5°	1267.5	1268.1	1265.7	1265.0	1263.8	1264.4	1265.7
5°	1244.4	1245.0	1242.5	1240.1	1240.1	1239.4	1240.1
7.5°	1222.6	1223.2	1219.4	1218.2	1215.7	1216.3	1216.3
10°	1200.7	1200.7	1195.1	1194.5	1192.6	1192.0	1192.0
12.5°	1179.5	1177.6	1173.2	1170.7	1172.0	1168.2	1168.2
15°	1160.7	1157.6	1152.0	1150.1	1147.0	1145.8	1145.8
17.5°	1141.4	1138.9	1133.9	1130.2	1126.4	1125.8	1126.4
20°	1122.7	1120.2	1113.9	1111.4	1108.3	1108.3	1107.1
22.5°	1103.9	1101.4	1095.8	1093.9	1089.6	1089.6	1090.2
25°	1084.6	1082.7	1076.4	1075.2	1074.6	1072.1	1073.3
27.5°	1058.4	1057.1	1052.1	1050.2	1047.7	1047.1	1048.4
30°	1010.3	1008.4	1004.7	1002.8	998.4	999.0	1000.3
32.5°	950.3	947.8	942.8	941.0	937.2	936.0	936.6
35°	875.4	873.5	869.2	869.2	865.4	864.2	865.4
37.5°	799.2	801.1	799.2	801.1	799.2	798.6	799.2
40°	727.4	734.3	735.5	742.4	739.9	743.6	743.0
42.5°	658.7	670.0	674.4	680.0	678.7	681.2	683.1
45°	589.4	598.8	603.2	606.9	607.5	608.8	609.4
47.5°	523.9	531.4	532.0	536.3	535.7	535.7	537.6
50°	462.7	467.7	468.9	472.0	469.6	468.3	468.9
52.5°	405.9	410.9	409.6	410.9	407.7	406.5	407.1
55°	347.8	350.3	350.3	350.3	346.5	346.5	346.5
57.5°	288.5	289.1	287.8	288.5	287.8	284.1	283.5
60°	234.2	234.2	233.5	234.2	232.3	230.4	230.4
62.5°	182.9	184.2	186.7	184.2	182.9	184.2	182.3
65°	136.8	139.2	138.6	139.9	139.2	139.2	138.0
67.5°	103.0	103.7	104.3	104.9	104.9	104.9	104.9
70°	75.6	77.4	76.8	76.8	76.8	76.8	80.5
72.5°	50.6	53.1	52.5	53.7	53.7	54.9	53.7
75°	34.3	36.8	35.6	37.5	36.8	35.6	38.7
77.5°	23.1	24.4	25.0	25.6	25.0	24.4	25.0
80°	16.2	17.5	16.9	17.5	17.5	17.5	18.1
82.5°	10.0	11.9	11.2	11.9	11.2	11.9	11.9
85°	6.9	7.5	6.2	7.5	6.9	6.9	8.1
87.5°	4.4	3.8	3.8	4.4	3.8	4.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)