

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: P246021

Luminaire Tested: **LD8B30D010 ER8B309727 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246021
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2131.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

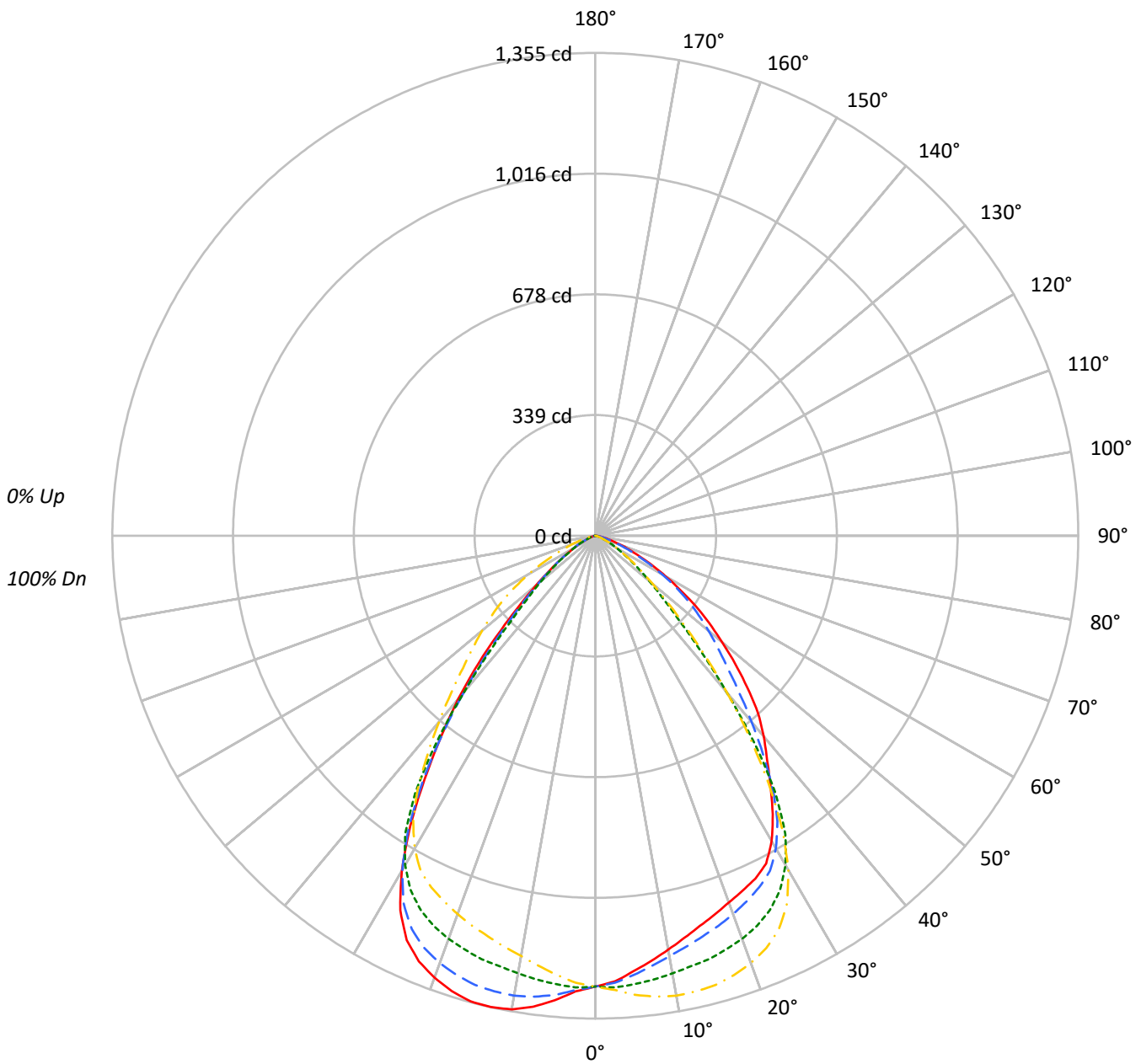
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90	90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81	81	81	81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72	72	72	72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65	65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58	58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53	53	53	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	44	44	44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37	37	37	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°	120.4	5.7
10°-20°	348.7	16.4
20°-30°	528.0	24.8
30°-40°	529.2	24.8
40°-50°	332.3	15.6
50°-60°	177.1	8.3
60°-70°	72.8	3.4
70°-80°	19.2	0.9
80°-90°	3.2	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°	997.1	46.8
0°-40°	1526.3	71.6
0°-60°	2035.7	95.5
0°-90°	2131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2131.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1265	1265	1265	1265	1265	
5°	1227	1263	1308	1263	1227	116
15°	1134	1230	1353	1230	1134	321
25°	1062	1159	1252	1159	1062	487
35°	856	880	835	880	856	536
45°	603	322	373	322	603	464
55°	343	119	126	119	343	306
65°	136	36	33	36	136	142
75°	38	7	6	7	38	43
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°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1252.1	1250.9	1250.3	1251.5	1252.1	1254.6	1254.0	1255.2	1255.2	1255.9	1257.1
5°	1226.8	1226.2	1226.8	1226.8	1229.3	1231.7	1231.1	1233.0	1234.2	1237.3	1238.5
7.5°	1203.3	1203.3	1202.7	1205.2	1206.4	1210.1	1209.5	1212.6	1214.5	1217.5	1221.9
10°	1179.2	1179.2	1179.9	1181.7	1182.3	1187.9	1187.9	1192.2	1194.7	1197.8	1203.3
12.5°	1155.8	1155.8	1159.5	1158.2	1160.7	1165.0	1166.9	1171.2	1174.9	1181.1	1186.7
15°	1133.5	1133.5	1134.8	1137.8	1139.7	1145.3	1148.3	1153.3	1157.6	1163.8	1171.8
17.5°	1114.4	1113.8	1114.4	1118.1	1121.8	1126.7	1129.2	1135.4	1139.7	1147.7	1155.2
20°	1095.2	1096.5	1096.5	1099.6	1102.0	1108.2	1110.7	1117.5	1122.4	1129.8	1138.5
22.5°	1078.6	1077.9	1077.9	1082.3	1084.1	1089.7	1092.1	1098.3	1103.9	1110.1	1118.1
25°	1061.9	1060.6	1063.1	1063.7	1065.0	1071.1	1073.0	1077.3	1082.9	1088.4	1096.5
27.5°	1037.2	1035.9	1036.6	1039.0	1040.9	1045.8	1047.1	1051.4	1055.7	1060.6	1067.4
30°	989.6	988.4	987.8	992.1	993.9	997.6	999.5	1006.9	1008.1	1013.7	1018.6
32.5°	926.6	926.0	927.2	930.9	932.8	937.7	940.2	944.5	947.6	950.7	955.6
35°	856.2	854.9	856.2	859.9	859.9	864.2	866.1	867.9	867.3	867.9	866.7
37.5°	790.7	790.1	790.7	792.5	790.7	792.5	790.7	787.0	780.2	772.8	765.4
40°	735.1	735.7	732.0	734.5	727.7	726.5	719.7	710.4	696.8	682.0	661.0
42.5°	675.8	673.9	671.5	672.7	667.2	662.8	651.7	640.0	622.7	598.0	572.6
45°	602.9	602.3	601.1	600.4	596.7	592.4	583.1	569.5	550.4	525.1	494.8
47.5°	531.9	530.0	530.0	530.6	526.3	525.7	518.3	506.5	489.9	465.1	433.6
50°	463.9	463.3	464.5	467.0	463.9	462.7	457.7	449.7	434.9	413.9	384.2
52.5°	402.8	402.1	403.4	406.5	405.2	406.5	401.5	395.4	385.5	365.1	339.1
55°	342.8	342.8	342.8	346.5	346.5	346.5	344.1	340.4	331.1	316.3	292.2
57.5°	280.5	281.1	284.8	285.4	284.8	286.0	285.4	281.7	275.5	265.0	246.5
60°	227.9	227.9	229.8	231.7	231.0	231.7	231.7	229.8	223.6	215.0	200.2
62.5°	180.4	182.2	181.0	182.2	184.7	182.2	181.0	179.8	175.4	169.9	157.5
65°	136.5	137.8	137.8	138.4	137.1	137.8	135.3	133.4	131.0	124.8	116.8
67.5°	103.8	103.8	103.8	103.8	103.2	102.5	101.9	100.1	95.8	93.3	84.6
70°	79.7	76.0	76.0	76.0	76.0	76.6	74.8	72.3	71.0	66.7	60.5
72.5°	53.1	54.4	53.1	53.1	51.9	52.5	50.0	48.8	47.6	45.1	41.4
75°	38.3	35.2	36.4	37.1	35.2	36.4	34.0	31.5	31.5	29.6	27.8
77.5°	24.7	24.1	24.7	25.3	24.7	24.1	22.9	21.6	21.6	21.0	19.1
80°	17.9	17.3	17.3	17.3	16.7	17.3	16.1	16.1	14.8	14.2	13.0
82.5°	11.7	11.7	11.1	11.7	11.1	11.7	9.9	9.9	9.9	9.3	8.0
85°	8.0	6.8	6.8	7.4	6.2	7.4	6.8	6.2	5.6	5.6	4.9
87.5°	3.7	4.3	3.7	4.3	3.7	3.7	4.3	3.7	3.7	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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CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1258.9	1259.5	1259.5	1262.0	1263.3	1263.9	1263.9	1268.8	1267.0	1268.2	1269.4
5°	1241.0	1244.7	1246.0	1246.0	1252.8	1255.2	1257.7	1263.3	1263.9	1267.6	1271.9
7.5°	1223.7	1228.0	1230.5	1236.1	1240.4	1244.7	1252.1	1255.9	1259.5	1264.5	1270.0
10°	1207.0	1212.0	1216.9	1221.2	1228.0	1233.6	1238.5	1247.2	1251.5	1258.3	1265.7
12.5°	1191.0	1197.8	1202.1	1209.5	1216.9	1221.9	1229.3	1237.3	1244.1	1250.9	1259.5
15°	1176.8	1184.8	1189.7	1197.8	1205.8	1212.6	1220.6	1230.5	1235.5	1243.5	1251.5
17.5°	1161.3	1170.0	1176.2	1183.6	1193.5	1200.9	1207.7	1217.5	1223.7	1232.4	1241.6
20°	1145.3	1153.9	1161.3	1168.7	1178.6	1186.0	1194.1	1204.0	1210.7	1219.4	1226.8
22.5°	1126.1	1134.2	1142.2	1150.8	1160.7	1166.9	1176.2	1184.8	1192.2	1200.2	1207.7
25°	1101.4	1111.3	1117.5	1125.5	1133.5	1140.3	1150.2	1158.9	1165.0	1172.5	1179.2
27.5°	1072.4	1079.8	1084.7	1091.5	1099.6	1105.7	1113.1	1121.8	1128.0	1134.8	1139.7
30°	1022.9	1029.8	1034.1	1039.0	1047.1	1052.6	1058.8	1066.8	1071.1	1076.1	1080.4
32.5°	958.1	963.7	966.1	969.8	975.4	980.9	985.9	992.7	994.5	997.6	997.6
35°	864.2	865.4	864.8	866.1	868.5	871.6	875.9	880.3	882.7	882.7	880.9
37.5°	754.2	746.8	738.8	732.6	730.8	729.5	732.0	733.9	736.3	737.6	734.5
40°	640.0	623.3	605.4	589.3	578.2	573.3	571.4	572.6	572.6	576.9	576.9
42.5°	541.8	515.8	489.3	465.1	449.1	436.7	431.2	431.2	431.8	434.9	436.7
45°	460.2	427.5	396.6	370.0	347.8	331.7	324.3	322.5	321.8	323.1	327.4
47.5°	397.8	363.8	331.7	299.0	275.5	259.4	252.7	250.2	247.7	250.2	250.8
50°	349.0	313.8	279.8	247.1	222.4	208.2	199.5	195.8	195.2	195.2	196.4
52.5°	304.5	271.8	237.8	204.5	178.5	164.9	156.9	155.0	152.6	155.0	155.0
55°	262.5	229.8	196.4	164.9	143.3	129.1	121.7	119.2	118.0	119.8	119.8
57.5°	216.8	189.0	158.2	129.7	108.1	98.2	92.7	89.6	88.9	90.2	88.9
60°	177.9	154.4	127.9	101.9	85.3	74.8	70.4	69.2	67.9	69.2	69.2
62.5°	140.8	121.1	99.4	79.7	65.5	58.1	53.1	53.1	52.5	52.5	53.1
65°	104.4	88.9	73.5	56.8	45.7	40.1	36.4	36.4	35.8	36.4	35.8
67.5°	76.0	65.5	53.1	41.4	32.7	29.6	27.2	25.3	26.6	25.3	24.7
70°	55.6	46.9	38.3	31.5	25.3	22.2	20.4	19.8	18.5	18.5	18.5
72.5°	37.1	31.5	25.9	20.4	16.7	13.6	13.0	11.7	10.5	11.1	12.4
75°	24.7	21.0	18.5	14.8	11.1	11.1	7.4	7.4	6.2	7.4	5.6
77.5°	17.3	14.2	11.1	9.3	7.4	6.8	4.9	4.9	4.3	4.3	4.3
80°	12.4	10.5	8.0	6.8	4.9	4.9	4.3	3.7	3.1	3.1	3.7
82.5°	7.4	5.6	5.6	4.9	3.1	2.5	1.9	2.5	1.2	1.2	1.2
85°	4.3	3.7	3.1	1.9	1.2	1.2	0.6	0.0	0.6	0.6	0.0
87.5°	2.5	1.2	1.2	0.6	0.0	0.6	0.6	0.0	0.0	0.0	1.2
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°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1272.5	1271.9	1273.1	1273.1	1276.9	1276.2	1278.1	1278.1	1276.9	1277.5	1279.9
5°	1276.9	1278.7	1282.4	1285.5	1291.0	1293.5	1296.6	1299.7	1300.3	1302.2	1304.0
7.5°	1276.9	1283.0	1287.4	1292.9	1300.3	1304.6	1311.4	1317.0	1319.5	1322.5	1326.3
10°	1274.4	1280.5	1288.6	1294.8	1304.0	1310.8	1317.6	1326.3	1330.0	1334.9	1339.9
12.5°	1269.4	1276.2	1284.9	1292.9	1303.4	1309.6	1318.2	1326.3	1331.8	1338.6	1344.2
15°	1262.0	1270.0	1278.1	1286.1	1297.2	1304.6	1312.7	1321.9	1327.5	1334.9	1339.9
17.5°	1250.3	1258.9	1266.4	1273.8	1284.3	1292.9	1300.3	1309.0	1314.5	1320.7	1327.5
20°	1236.1	1244.1	1252.1	1258.3	1268.8	1276.2	1284.3	1292.3	1296.6	1297.9	1308.4
22.5°	1218.2	1223.7	1229.9	1239.8	1246.0	1252.8	1260.2	1267.6	1271.9	1278.7	1282.4
25°	1188.5	1194.1	1200.9	1205.2	1212.6	1218.2	1225.6	1233.6	1236.1	1241.0	1244.7
27.5°	1147.1	1150.2	1153.3	1157.0	1161.3	1164.4	1168.7	1172.5	1174.9	1177.4	1179.9
30°	1081.6	1081.6	1081.6	1079.2	1081.0	1082.9	1083.5	1082.9	1082.9	1082.3	1082.3
32.5°	995.2	990.2	984.7	979.7	977.9	975.4	974.2	972.3	969.2	967.4	968.0
35°	878.4	867.3	860.5	854.3	849.4	845.7	843.8	842.0	841.4	838.9	836.4
37.5°	732.6	724.6	719.7	716.0	711.6	707.9	708.5	709.2	711.0	709.8	710.4
40°	578.2	576.3	578.2	573.9	572.6	573.9	576.9	581.3	583.8	586.2	590.5
42.5°	439.8	442.9	447.2	447.2	449.1	451.6	455.3	462.1	465.8	470.1	475.0
45°	331.1	334.8	340.4	342.2	343.5	346.5	350.9	356.4	358.9	362.6	366.9
47.5°	255.1	257.6	260.7	263.8	266.8	268.1	272.4	272.4	275.5	278.0	279.2
50°	198.9	201.4	203.8	205.7	206.9	208.8	210.0	211.9	212.5	213.7	214.3
52.5°	155.7	158.8	158.8	160.0	161.8	163.7	163.1	163.7	164.3	164.3	166.2
55°	121.7	121.7	123.5	123.5	124.8	124.2	124.8	124.8	124.8	124.8	125.4
57.5°	90.8	91.4	93.3	92.0	91.4	92.7	91.4	92.7	92.0	93.3	91.4
60°	69.8	69.8	70.4	70.4	71.0	71.0	71.0	70.4	70.4	69.8	69.8
62.5°	52.5	53.1	53.8	53.1	53.1	53.1	52.5	52.5	51.9	51.3	51.3
65°	35.2	34.6	35.8	34.6	35.2	35.2	34.6	35.2	33.4	34.0	33.4
67.5°	25.3	24.7	24.1	24.7	24.1	23.5	23.5	24.1	24.7	22.9	22.9
70°	16.7	17.3	16.7	17.3	17.9	17.9	17.3	16.7	17.3	16.1	16.7
72.5°	10.5	10.5	10.5	10.5	10.5	11.1	11.1	11.1	9.9	9.9	9.3
75°	4.9	6.8	5.6	4.9	6.8	6.8	6.2	6.2	5.6	5.6	5.6
77.5°	4.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.1	3.7	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°	1.2	1.2	1.2	0.0	0.6	1.2	1.2	0.6	1.2	1.2	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1279.3	1278.7	1279.3	1279.9	1279.3	1278.7	1279.3	1279.9	1277.5	1276.9	1278.1
5°	1306.5	1306.5	1307.7	1308.4	1307.7	1306.5	1306.5	1304.0	1302.2	1300.3	1299.7
7.5°	1330.0	1331.2	1332.4	1333.0	1332.4	1331.2	1330.0	1326.3	1322.5	1319.5	1317.0
10°	1344.2	1346.0	1348.5	1349.7	1348.5	1346.0	1344.2	1339.9	1334.9	1330.0	1326.3
12.5°	1350.4	1352.2	1355.3	1354.7	1355.3	1352.2	1350.4	1344.2	1338.6	1331.8	1326.3
15°	1346.0	1348.5	1351.6	1352.8	1351.6	1348.5	1346.0	1339.9	1334.9	1327.5	1321.9
17.5°	1332.4	1336.1	1338.0	1339.9	1338.0	1336.1	1332.4	1327.5	1320.7	1314.5	1309.0
20°	1313.9	1316.4	1318.9	1319.5	1318.9	1316.4	1313.9	1308.4	1297.9	1296.6	1292.3
22.5°	1287.4	1289.2	1294.8	1292.9	1294.8	1289.2	1287.4	1282.4	1278.7	1271.9	1267.6
25°	1249.0	1250.9	1251.5	1252.1	1251.5	1250.9	1249.0	1244.7	1241.0	1236.1	1233.6
27.5°	1183.0	1183.0	1184.2	1184.8	1184.2	1183.0	1183.0	1179.9	1177.4	1174.9	1172.5
30°	1082.9	1082.9	1082.9	1086.0	1082.9	1082.9	1082.9	1082.3	1082.3	1082.9	1082.9
32.5°	967.4	966.1	964.9	966.1	964.9	966.1	967.4	968.0	967.4	969.2	972.3
35°	836.4	835.8	837.6	835.2	837.6	835.8	836.4	836.4	838.9	841.4	842.0
37.5°	711.0	709.8	712.2	709.8	712.2	709.8	711.0	710.4	709.8	711.0	709.2
40°	591.8	593.0	593.0	598.0	593.0	593.0	591.8	590.5	586.2	583.8	581.3
42.5°	477.5	481.2	480.0	483.7	480.0	481.2	477.5	475.0	470.1	465.8	462.1
45°	369.4	371.9	371.9	373.1	371.9	371.9	369.4	366.9	362.6	358.9	356.4
47.5°	283.5	283.5	283.5	284.2	283.5	283.5	283.5	279.2	278.0	275.5	272.4
50°	215.6	216.2	216.8	217.4	216.8	216.2	215.6	214.3	213.7	212.5	211.9
52.5°	165.6	166.2	164.9	166.2	164.9	166.2	165.6	166.2	164.3	164.3	163.7
55°	125.4	124.8	125.4	126.0	125.4	124.8	125.4	125.4	124.8	124.8	124.8
57.5°	92.0	90.8	90.8	90.8	90.8	90.8	92.0	91.4	93.3	92.0	92.7
60°	68.6	69.2	69.2	69.8	69.2	69.2	68.6	69.8	69.8	70.4	70.4
62.5°	50.6	52.5	51.3	52.5	51.3	52.5	50.6	51.3	51.3	51.9	52.5
65°	32.7	32.7	32.7	33.4	32.7	32.7	32.7	33.4	34.0	33.4	35.2
67.5°	22.2	22.9	24.1	23.5	24.1	22.9	22.2	22.9	22.9	24.7	24.1
70°	17.9	16.1	16.1	17.9	16.1	16.1	17.9	16.7	16.1	17.3	16.7
72.5°	10.5	9.3	10.5	10.5	10.5	9.3	10.5	9.3	9.9	9.9	11.1
75°	5.6	4.9	4.3	6.2	4.3	4.9	5.6	5.6	5.6	5.6	6.2
77.5°	3.7	3.1	4.3	4.3	4.3	3.1	3.7	3.1	3.7	3.1	3.7
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	1.2	1.2	1.2	1.2	1.2	0.6	0.6	1.2	1.2	0.6
85°	0.0	1.2	0.6	0.6	0.6	1.2	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1278.1	1276.2	1276.9	1273.1	1273.1	1271.9	1272.5	1269.4	1268.2	1267.0	1268.8
5°	1296.6	1293.5	1291.0	1285.5	1282.4	1278.7	1276.9	1271.9	1267.6	1263.9	1263.3
7.5°	1311.4	1304.6	1300.3	1292.9	1287.4	1283.0	1276.9	1270.0	1264.5	1259.5	1255.9
10°	1317.6	1310.8	1304.0	1294.8	1288.6	1280.5	1274.4	1265.7	1258.3	1251.5	1247.2
12.5°	1318.2	1309.6	1303.4	1292.9	1284.9	1276.2	1269.4	1259.5	1250.9	1244.1	1237.3
15°	1312.7	1304.6	1297.2	1286.1	1278.1	1270.0	1262.0	1251.5	1243.5	1235.5	1230.5
17.5°	1300.3	1292.9	1284.3	1273.8	1266.4	1258.9	1250.3	1241.6	1232.4	1223.7	1217.5
20°	1284.3	1276.2	1268.8	1258.3	1252.1	1244.1	1236.1	1226.8	1219.4	1210.7	1204.0
22.5°	1260.2	1252.8	1246.0	1239.8	1229.9	1223.7	1218.2	1207.7	1200.2	1192.2	1184.8
25°	1225.6	1218.2	1212.6	1205.2	1200.9	1194.1	1188.5	1179.2	1172.5	1165.0	1158.9
27.5°	1168.7	1164.4	1161.3	1157.0	1153.3	1150.2	1147.1	1139.7	1134.8	1128.0	1121.8
30°	1083.5	1082.9	1081.0	1079.2	1081.6	1081.6	1081.6	1080.4	1076.1	1071.1	1066.8
32.5°	974.2	975.4	977.9	979.7	984.7	990.2	995.2	997.6	997.6	994.5	992.7
35°	843.8	845.7	849.4	854.3	860.5	867.3	878.4	880.9	882.7	882.7	880.3
37.5°	708.5	707.9	711.6	716.0	719.7	724.6	732.6	734.5	737.6	736.3	733.9
40°	576.9	573.9	572.6	573.9	578.2	576.3	578.2	576.9	576.9	572.6	572.6
42.5°	455.3	451.6	449.1	447.2	447.2	442.9	439.8	436.7	434.9	431.8	431.2
45°	350.9	346.5	343.5	342.2	340.4	334.8	331.1	327.4	323.1	321.8	322.5
47.5°	272.4	268.1	266.8	263.8	260.7	257.6	255.1	250.8	250.2	247.7	250.2
50°	210.0	208.8	206.9	205.7	203.8	201.4	198.9	196.4	195.2	195.2	195.8
52.5°	163.1	163.7	161.8	160.0	158.8	158.8	155.7	155.0	155.0	152.6	155.0
55°	124.8	124.2	124.8	123.5	123.5	121.7	121.7	119.8	119.8	118.0	119.2
57.5°	91.4	92.7	91.4	92.0	93.3	91.4	90.8	88.9	90.2	88.9	89.6
60°	71.0	71.0	71.0	70.4	70.4	69.8	69.8	69.2	69.2	67.9	69.2
62.5°	52.5	53.1	53.1	53.1	53.8	53.1	52.5	53.1	52.5	52.5	53.1
65°	34.6	35.2	35.2	34.6	35.8	34.6	35.2	35.8	36.4	35.8	36.4
67.5°	23.5	23.5	24.1	24.7	24.1	24.7	25.3	24.7	25.3	26.6	25.3
70°	17.3	17.9	17.9	17.3	16.7	17.3	16.7	18.5	18.5	18.5	19.8
72.5°	11.1	11.1	10.5	10.5	10.5	10.5	10.5	12.4	11.1	10.5	11.7
75°	6.2	6.8	6.8	4.9	5.6	6.8	4.9	5.6	7.4	6.2	7.4
77.5°	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.3	4.3	4.3	4.9
80°	3.1	2.5	2.5	1.9	2.5	2.5	2.5	3.7	3.1	3.1	3.7
82.5°	1.2	1.2	0.6	0.0	1.2	1.2	1.2	1.2	1.2	1.2	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	1.2	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: P246021

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1263.9	1263.9	1263.3	1262.0	1259.5	1259.5	1258.9	1257.1	1255.9	1255.2	1255.2
5°	1257.7	1255.2	1252.8	1246.0	1246.0	1244.7	1241.0	1238.5	1237.3	1234.2	1233.0
7.5°	1252.1	1244.7	1240.4	1236.1	1230.5	1228.0	1223.7	1221.9	1217.5	1214.5	1212.6
10°	1238.5	1233.6	1228.0	1221.2	1216.9	1212.0	1207.0	1203.3	1197.8	1194.7	1192.2
12.5°	1229.3	1221.9	1216.9	1209.5	1202.1	1197.8	1191.0	1186.7	1181.1	1174.9	1171.2
15°	1220.6	1212.6	1205.8	1197.8	1189.7	1184.8	1176.8	1171.8	1163.8	1157.6	1153.3
17.5°	1207.7	1200.9	1193.5	1183.6	1176.2	1170.0	1161.3	1155.2	1147.7	1139.7	1135.4
20°	1194.1	1186.0	1178.6	1168.7	1161.3	1153.9	1145.3	1138.5	1129.8	1122.4	1117.5
22.5°	1176.2	1166.9	1160.7	1150.8	1142.2	1134.2	1126.1	1118.1	1110.1	1103.9	1098.3
25°	1150.2	1140.3	1133.5	1125.5	1117.5	1111.3	1101.4	1096.5	1088.4	1082.9	1077.3
27.5°	1113.1	1105.7	1099.6	1091.5	1084.7	1079.8	1072.4	1067.4	1060.6	1055.7	1051.4
30°	1058.8	1052.6	1047.1	1039.0	1034.1	1029.8	1022.9	1018.6	1013.7	1008.1	1006.9
32.5°	985.9	980.9	975.4	969.8	966.1	963.7	958.1	955.6	950.7	947.6	944.5
35°	875.9	871.6	868.5	866.1	864.8	865.4	864.2	866.7	867.9	867.3	867.9
37.5°	732.0	729.5	730.8	732.6	738.8	746.8	754.2	765.4	772.8	780.2	787.0
40°	571.4	573.3	578.2	589.3	605.4	623.3	640.0	661.0	682.0	696.8	710.4
42.5°	431.2	436.7	449.1	465.1	489.3	515.8	541.8	572.6	598.0	622.7	640.0
45°	324.3	331.7	347.8	370.0	396.6	427.5	460.2	494.8	525.1	550.4	569.5
47.5°	252.7	259.4	275.5	299.0	331.7	363.8	397.8	433.6	465.1	489.9	506.5
50°	199.5	208.2	222.4	247.1	279.8	313.8	349.0	384.2	413.9	434.9	449.7
52.5°	156.9	164.9	178.5	204.5	237.8	271.8	304.5	339.1	365.1	385.5	395.4
55°	121.7	129.1	143.3	164.9	196.4	229.8	262.5	292.2	316.3	331.1	340.4
57.5°	92.7	98.2	108.1	129.7	158.2	189.0	216.8	246.5	265.0	275.5	281.7
60°	70.4	74.8	85.3	101.9	127.9	154.4	177.9	200.2	215.0	223.6	229.8
62.5°	53.1	58.1	65.5	79.7	99.4	121.1	140.8	157.5	169.9	175.4	179.8
65°	36.4	40.1	45.7	56.8	73.5	88.9	104.4	116.8	124.8	131.0	133.4
67.5°	27.2	29.6	32.7	41.4	53.1	65.5	76.0	84.6	93.3	95.8	100.1
70°	20.4	22.2	25.3	31.5	38.3	46.9	55.6	60.5	66.7	71.0	72.3
72.5°	13.0	13.6	16.7	20.4	25.9	31.5	37.1	41.4	45.1	47.6	48.8
75°	7.4	11.1	11.1	14.8	18.5	21.0	24.7	27.8	29.6	31.5	31.5
77.5°	4.9	6.8	7.4	9.3	11.1	14.2	17.3	19.1	21.0	21.6	21.6
80°	4.3	4.9	4.9	6.8	8.0	10.5	12.4	13.0	14.2	14.8	16.1
82.5°	1.9	2.5	3.1	4.9	5.6	5.6	7.4	8.0	9.3	9.9	9.9
85°	0.6	1.2	1.2	1.9	3.1	3.7	4.3	4.9	5.6	5.6	6.2
87.5°	0.6	0.6	0.0	0.6	1.2	1.2	2.5	2.5	2.5	3.7	3.7
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: P246021

CATALOG NUMBER: LD8B30D010 ER8B309727 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1	1265.1
2.5°	1254.0	1254.6	1252.1	1251.5	1250.3	1250.9	1252.1
5°	1231.1	1231.7	1229.3	1226.8	1226.8	1226.2	1226.8
7.5°	1209.5	1210.1	1206.4	1205.2	1202.7	1203.3	1203.3
10°	1187.9	1187.9	1182.3	1181.7	1179.9	1179.2	1179.2
12.5°	1166.9	1165.0	1160.7	1158.2	1159.5	1155.8	1155.8
15°	1148.3	1145.3	1139.7	1137.8	1134.8	1133.5	1133.5
17.5°	1129.2	1126.7	1121.8	1118.1	1114.4	1113.8	1114.4
20°	1110.7	1108.2	1102.0	1099.6	1096.5	1096.5	1095.2
22.5°	1092.1	1089.7	1084.1	1082.3	1077.9	1077.9	1078.6
25°	1073.0	1071.1	1065.0	1063.7	1063.1	1060.6	1061.9
27.5°	1047.1	1045.8	1040.9	1039.0	1036.6	1035.9	1037.2
30°	999.5	997.6	993.9	992.1	987.8	988.4	989.6
32.5°	940.2	937.7	932.8	930.9	927.2	926.0	926.6
35°	866.1	864.2	859.9	859.9	856.2	854.9	856.2
37.5°	790.7	792.5	790.7	792.5	790.7	790.1	790.7
40°	719.7	726.5	727.7	734.5	732.0	735.7	735.1
42.5°	651.7	662.8	667.2	672.7	671.5	673.9	675.8
45°	583.1	592.4	596.7	600.4	601.1	602.3	602.9
47.5°	518.3	525.7	526.3	530.6	530.0	530.0	531.9
50°	457.7	462.7	463.9	467.0	464.5	463.3	463.9
52.5°	401.5	406.5	405.2	406.5	403.4	402.1	402.8
55°	344.1	346.5	346.5	346.5	342.8	342.8	342.8
57.5°	285.4	286.0	284.8	285.4	284.8	281.1	280.5
60°	231.7	231.7	231.0	231.7	229.8	227.9	227.9
62.5°	181.0	182.2	184.7	182.2	181.0	182.2	180.4
65°	135.3	137.8	137.1	138.4	137.8	137.8	136.5
67.5°	101.9	102.5	103.2	103.8	103.8	103.8	103.8
70°	74.8	76.6	76.0	76.0	76.0	76.0	79.7
72.5°	50.0	52.5	51.9	53.1	53.1	54.4	53.1
75°	34.0	36.4	35.2	37.1	36.4	35.2	38.3
77.5°	22.9	24.1	24.7	25.3	24.7	24.1	24.7
80°	16.1	17.3	16.7	17.3	17.3	17.3	17.9
82.5°	9.9	11.7	11.1	11.7	11.1	11.7	11.7
85°	6.8	7.4	6.2	7.4	6.8	6.8	8.0
87.5°	4.3	3.7	3.7	4.3	3.7	4.3	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)