

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: P245937

Luminaire Tested: **LD8B30D010 ER8B30940 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245937
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 ER8B30940 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2105.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

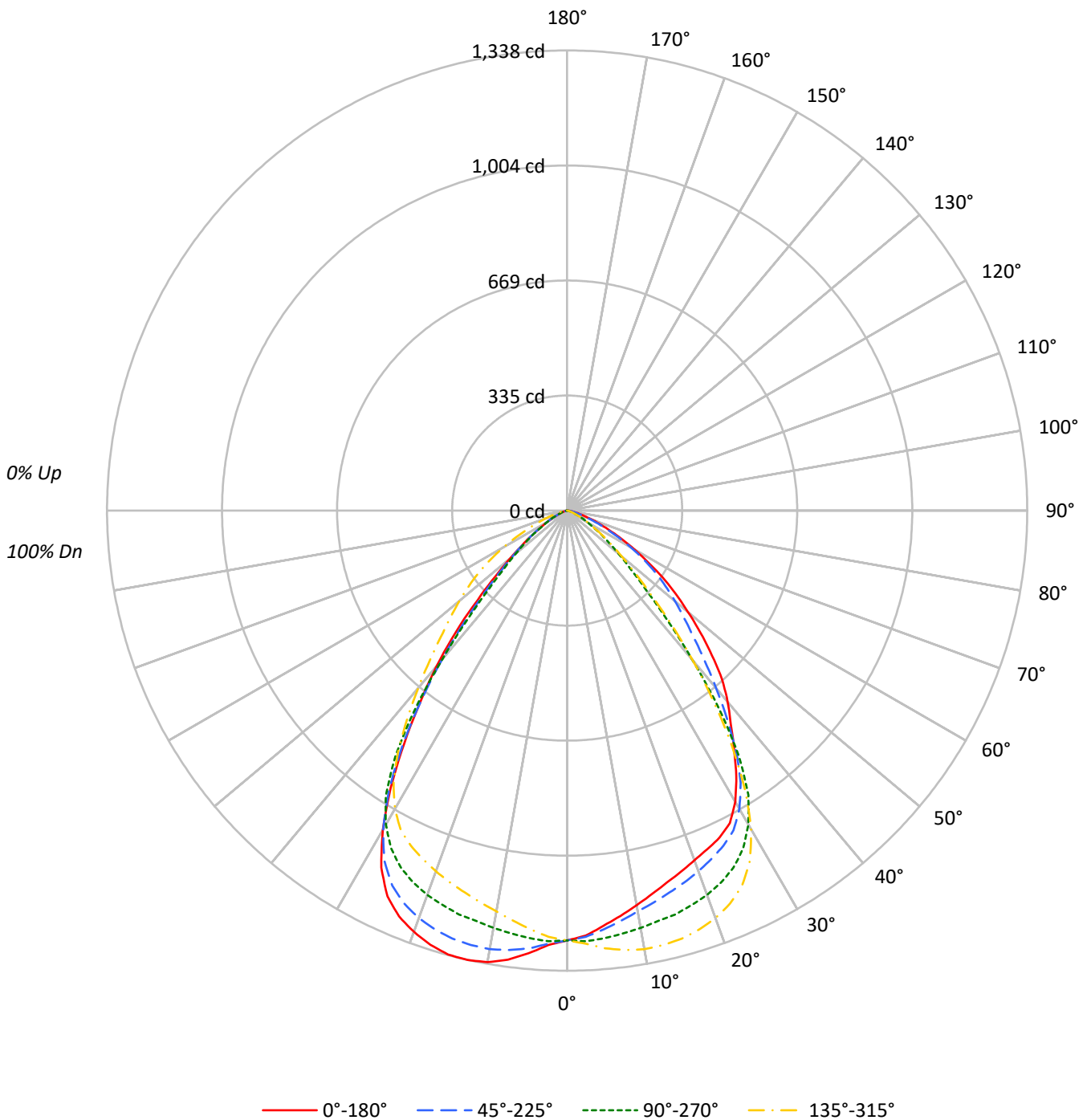
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	38536	38536	38536	38536
5°	37510	38625	40005	38625
10°	36475	38576	41748	38576
15°	35745	38804	42660	38804
20°	35503	39027	42771	39027
25°	35688	38947	42084	38947
30°	34806	37522	38195	37522
35°	31836	32732	31056	32732
40°	29228	22768	23778	22768
45°	25974	13890	16074	13890
50°	21981	9278	10305	9278
55°	18209	6333	6693	6333
60°	13889	4212	4249	4212
65°	9836	2627	2408	2627
70°	7096	1758	1596	1758
75°	4504	870	727	870
80°	3143	657	533	657
85°	2795	0	212	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	5.7
10°-20°	344.4	16.4
20°-30°	521.6	24.8
30°-40°	522.7	24.8
40°-50°	328.2	15.6
50°-60°	174.9	8.3
60°-70°	71.9	3.4
70°-80°	19.0	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°	984.9	46.8
0°-40°	1507.7	71.6
0°-60°	2010.9	95.5
0°-90°	2105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2105.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1250	1250	1250	1250	1250	
5°	1212	1248	1292	1248	1212	114
15°	1120	1216	1336	1216	1120	317
25°	1049	1145	1237	1145	1049	481
35°	846	870	825	870	846	530
45°	596	318	369	318	596	458
55°	339	118	124	118	339	302
65°	135	36	33	36	135	140
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°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1236.9	1235.6	1235.0	1236.3	1236.9	1239.3	1238.7	1239.9	1239.9	1240.5	1241.7
5°	1211.8	1211.2	1211.8	1211.8	1214.3	1216.7	1216.1	1218.0	1219.2	1222.2	1223.4
7.5°	1188.7	1188.7	1188.0	1190.5	1191.7	1195.4	1194.7	1197.8	1199.6	1202.7	1206.9
10°	1164.9	1164.9	1165.5	1167.3	1167.9	1173.4	1173.4	1177.7	1180.1	1183.2	1188.7
12.5°	1141.7	1141.7	1145.3	1144.1	1146.5	1150.8	1152.6	1156.9	1160.6	1166.7	1172.2
15°	1119.7	1119.7	1120.9	1124.0	1125.8	1131.3	1134.3	1139.2	1143.5	1149.6	1157.5
17.5°	1100.8	1100.2	1100.8	1104.5	1108.1	1113.0	1115.4	1121.5	1125.8	1133.7	1141.1
20°	1081.9	1083.1	1083.1	1086.1	1088.6	1094.7	1097.1	1103.8	1108.7	1116.0	1124.6
22.5°	1065.4	1064.8	1064.8	1069.1	1070.9	1076.4	1078.8	1084.9	1090.4	1096.5	1104.5
25°	1048.9	1047.7	1050.2	1050.8	1052.0	1058.1	1059.9	1064.2	1069.7	1075.2	1083.1
27.5°	1024.5	1023.3	1023.9	1026.3	1028.2	1033.0	1034.3	1038.5	1042.8	1047.7	1054.4
30°	977.5	976.3	975.7	980.0	981.8	985.5	987.3	994.6	995.8	1001.3	1006.2
32.5°	915.3	914.7	915.9	919.5	921.4	926.3	928.7	933.0	936.0	939.1	944.0
35°	845.7	844.5	845.7	849.4	849.4	853.7	855.5	857.3	856.7	857.3	856.1
37.5°	781.1	780.4	781.1	782.9	781.1	782.9	781.1	777.4	770.7	763.4	756.0
40°	726.1	726.7	723.1	725.5	718.8	717.6	710.9	701.7	688.3	673.7	652.9
42.5°	667.6	665.7	663.3	664.5	659.0	654.7	643.7	632.2	615.1	590.7	565.6
45°	595.6	594.9	593.7	593.1	589.4	585.2	576.0	562.6	543.7	518.7	488.8
47.5°	525.4	523.5	523.5	524.1	519.9	519.3	511.9	500.4	483.9	459.5	428.4
50°	458.2	457.6	458.9	461.3	458.2	457.0	452.2	444.2	429.6	408.8	379.5
52.5°	397.8	397.2	398.5	401.5	400.3	401.5	396.6	390.5	380.8	360.6	335.0
55°	338.7	338.7	338.7	342.3	342.3	342.3	339.9	336.2	327.1	312.4	288.6
57.5°	277.0	277.6	281.3	281.9	281.3	282.5	281.9	278.2	272.2	261.8	243.5
60°	225.2	225.2	227.0	228.8	228.2	228.8	228.8	227.0	220.9	212.4	197.7
62.5°	178.2	180.0	178.8	180.0	182.4	180.0	178.8	177.6	173.3	167.8	155.6
65°	134.8	136.1	136.1	136.7	135.5	136.1	133.6	131.8	129.4	123.3	115.3
67.5°	102.5	102.5	102.5	102.5	101.9	101.3	100.7	98.9	94.6	92.2	83.6
70°	78.7	75.0	75.0	75.0	75.0	75.7	73.8	71.4	70.2	65.9	59.8
72.5°	52.5	53.7	52.5	52.5	51.3	51.9	49.4	48.2	47.0	44.6	40.9
75°	37.8	34.8	36.0	36.6	34.8	36.0	33.6	31.1	31.1	29.3	27.5
77.5°	24.4	23.8	24.4	25.0	24.4	23.8	22.6	21.3	21.3	20.7	18.9
80°	17.7	17.1	17.1	17.1	16.5	17.1	15.9	15.9	14.6	14.0	12.8
82.5°	11.6	11.6	11.0	11.6	11.0	11.6	9.8	9.8	9.8	9.1	7.9
85°	7.9	6.7	6.7	7.3	6.1	7.3	6.7	6.1	5.5	5.5	4.9
87.5°	3.7	4.3	3.7	4.3	3.7	3.7	4.3	3.7	3.7	2.4	2.4
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°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1243.6	1244.2	1244.2	1246.6	1247.8	1248.4	1248.4	1253.3	1251.5	1252.7	1253.9
5°	1225.9	1229.5	1230.8	1230.8	1237.5	1239.9	1242.3	1247.8	1248.4	1252.1	1256.4
7.5°	1208.8	1213.1	1215.5	1221.0	1225.3	1229.5	1236.9	1240.5	1244.2	1249.1	1254.5
10°	1192.3	1197.2	1202.1	1206.3	1213.1	1218.6	1223.4	1232.0	1236.3	1243.0	1250.3
12.5°	1176.5	1183.2	1187.4	1194.7	1202.1	1206.9	1214.3	1222.2	1228.9	1235.6	1244.2
15°	1162.4	1170.4	1175.2	1183.2	1191.1	1197.8	1205.7	1215.5	1220.4	1228.3	1236.3
17.5°	1147.1	1155.7	1161.8	1169.1	1178.9	1186.2	1192.9	1202.7	1208.8	1217.3	1226.5
20°	1131.3	1139.8	1147.1	1154.5	1164.3	1171.6	1179.5	1189.3	1196.0	1204.5	1211.8
22.5°	1112.4	1120.3	1128.2	1136.8	1146.5	1152.6	1161.8	1170.4	1177.7	1185.6	1192.9
25°	1088.0	1097.7	1103.8	1111.8	1119.7	1126.4	1136.2	1144.7	1150.8	1158.1	1164.9
27.5°	1059.3	1066.6	1071.5	1078.2	1086.1	1092.2	1099.6	1108.1	1114.2	1120.9	1125.8
30°	1010.5	1017.2	1021.5	1026.3	1034.3	1039.8	1045.9	1053.8	1058.1	1063.0	1067.2
32.5°	946.4	951.9	954.3	958.0	963.5	969.0	973.9	980.6	982.4	985.5	985.5
35°	853.7	854.9	854.3	855.5	857.9	861.0	865.2	869.5	872.0	872.0	870.1
37.5°	745.0	737.7	729.8	723.7	721.9	720.6	723.1	724.9	727.4	728.6	725.5
40°	632.2	615.7	598.0	582.1	571.1	566.3	564.4	565.6	565.6	569.9	569.9
42.5°	535.1	509.5	483.3	459.5	443.6	431.4	425.9	425.9	426.5	429.6	431.4
45°	454.6	422.3	391.7	365.5	343.5	327.7	320.4	318.5	317.9	319.1	323.4
47.5°	393.0	359.4	327.7	295.3	272.2	256.3	249.6	247.1	244.7	247.1	247.7
50°	344.8	310.0	276.4	244.1	219.7	205.6	197.1	193.4	192.8	192.8	194.0
52.5°	300.8	268.5	234.9	202.0	176.3	162.9	155.0	153.2	150.7	153.2	153.2
55°	259.3	227.0	194.0	162.9	141.6	127.5	120.2	117.8	116.5	118.4	118.4
57.5°	214.2	186.7	156.2	128.1	106.8	97.0	91.5	88.5	87.9	89.1	87.9
60°	175.7	152.6	126.3	100.7	84.2	73.8	69.6	68.3	67.1	68.3	68.3
62.5°	139.1	119.6	98.2	78.7	64.7	57.4	52.5	52.5	51.9	51.9	52.5
65°	103.1	87.9	72.6	56.1	45.2	39.7	36.0	36.0	35.4	36.0	35.4
67.5°	75.0	64.7	52.5	40.9	32.3	29.3	26.8	25.0	26.2	25.0	24.4
70°	54.9	46.4	37.8	31.1	25.0	22.0	20.1	19.5	18.3	18.3	18.3
72.5°	36.6	31.1	25.6	20.1	16.5	13.4	12.8	11.6	10.4	11.0	12.2
75°	24.4	20.7	18.3	14.6	11.0	11.0	7.3	7.3	6.1	7.3	5.5
77.5°	17.1	14.0	11.0	9.1	7.3	6.7	4.9	4.9	4.3	4.3	4.3
80°	12.2	10.4	7.9	6.7	4.9	4.9	4.3	3.7	3.0	3.0	3.7
82.5°	7.3	5.5	5.5	4.9	3.0	2.4	1.8	2.4	1.2	1.2	1.2
85°	4.3	3.7	3.0	1.8	1.2	1.2	0.6	0.0	0.6	0.6	0.0
87.5°	2.4	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°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1257.0	1256.4	1257.6	1257.6	1261.3	1260.6	1262.5	1262.5	1261.3	1261.9	1264.3
5°	1261.3	1263.1	1266.8	1269.8	1275.3	1277.8	1280.8	1283.9	1284.5	1286.3	1288.1
7.5°	1261.3	1267.4	1271.6	1277.1	1284.5	1288.7	1295.4	1300.9	1303.4	1306.4	1310.1
10°	1258.8	1264.9	1272.9	1279.0	1288.1	1294.8	1301.5	1310.1	1313.7	1318.6	1323.5
12.5°	1253.9	1260.6	1269.2	1277.1	1287.5	1293.6	1302.1	1310.1	1315.6	1322.3	1327.8
15°	1246.6	1254.5	1262.5	1270.4	1281.4	1288.7	1296.7	1305.8	1311.3	1318.6	1323.5
17.5°	1235.0	1243.6	1250.9	1258.2	1268.6	1277.1	1284.5	1293.0	1298.5	1304.6	1311.3
20°	1221.0	1228.9	1236.9	1243.0	1253.3	1260.6	1268.6	1276.5	1280.8	1282.0	1292.4
22.5°	1203.3	1208.8	1214.9	1224.7	1230.8	1237.5	1244.8	1252.1	1256.4	1263.1	1266.8
25°	1174.0	1179.5	1186.2	1190.5	1197.8	1203.3	1210.6	1218.6	1221.0	1225.9	1229.5
27.5°	1133.1	1136.2	1139.2	1142.9	1147.1	1150.2	1154.5	1158.1	1160.6	1163.0	1165.5
30°	1068.4	1068.4	1068.4	1066.0	1067.8	1069.7	1070.3	1069.7	1069.7	1069.1	1069.1
32.5°	983.0	978.1	972.6	967.8	965.9	963.5	962.3	960.4	957.4	955.6	956.2
35°	867.7	856.7	850.0	843.9	839.0	835.4	833.5	831.7	831.1	828.7	826.2
37.5°	723.7	715.8	710.9	707.2	702.9	699.3	699.9	700.5	702.3	701.1	701.7
40°	571.1	569.3	571.1	566.9	565.6	566.9	569.9	574.2	576.6	579.1	583.3
42.5°	434.5	437.5	441.8	441.8	443.6	446.1	449.7	456.4	460.1	464.3	469.2
45°	327.1	330.7	336.2	338.0	339.3	342.3	346.6	352.1	354.5	358.2	362.4
47.5°	252.0	254.5	257.5	260.6	263.6	264.8	269.1	269.1	272.2	274.6	275.8
50°	196.5	198.9	201.4	203.2	204.4	206.3	207.5	209.3	209.9	211.1	211.7
52.5°	153.8	156.8	156.8	158.0	159.9	161.7	161.1	161.7	162.3	162.3	164.1
55°	120.2	120.2	122.0	122.0	123.3	122.6	123.3	123.3	123.3	123.3	123.9
57.5°	89.7	90.3	92.2	90.9	90.3	91.5	90.3	91.5	90.9	92.2	90.3
60°	68.9	68.9	69.6	69.6	70.2	70.2	70.2	69.6	69.6	68.9	68.9
62.5°	51.9	52.5	53.1	52.5	52.5	52.5	51.9	51.9	51.3	50.6	50.6
65°	34.8	34.2	35.4	34.2	34.8	34.8	34.2	34.8	33.0	33.6	33.0
67.5°	25.0	24.4	23.8	24.4	23.8	23.2	23.2	23.8	24.4	22.6	22.6
70°	16.5	17.1	16.5	17.1	17.7	17.7	17.1	16.5	17.1	15.9	16.5
72.5°	10.4	10.4	10.4	10.4	10.4	11.0	11.0	11.0	9.8	9.8	9.1
75°	4.9	6.7	5.5	4.9	6.7	6.7	6.1	6.1	5.5	5.5	5.5
77.5°	4.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.0	3.7	3.0
80°	2.4	2.4	2.4	1.8	2.4	2.4	3.0	2.4	2.4	1.8	3.0
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: P245937

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1263.7	1263.1	1263.7	1264.3	1263.7	1263.1	1263.7	1264.3	1261.9	1261.3	1262.5
5°	1290.6	1290.6	1291.8	1292.4	1291.8	1290.6	1290.6	1288.1	1286.3	1284.5	1283.9
7.5°	1313.7	1315.0	1316.2	1316.8	1316.2	1315.0	1313.7	1310.1	1306.4	1303.4	1300.9
10°	1327.8	1329.6	1332.1	1333.3	1332.1	1329.6	1327.8	1323.5	1318.6	1313.7	1310.1
12.5°	1333.9	1335.7	1338.8	1338.2	1338.8	1335.7	1333.9	1327.8	1322.3	1315.6	1310.1
15°	1329.6	1332.1	1335.1	1336.3	1335.1	1332.1	1329.6	1323.5	1318.6	1311.3	1305.8
17.5°	1316.2	1319.8	1321.7	1323.5	1321.7	1319.8	1316.2	1311.3	1304.6	1298.5	1293.0
20°	1297.9	1300.3	1302.8	1303.4	1302.8	1300.3	1297.9	1292.4	1282.0	1280.8	1276.5
22.5°	1271.6	1273.5	1279.0	1277.1	1279.0	1273.5	1271.6	1266.8	1263.1	1256.4	1252.1
25°	1233.8	1235.6	1236.3	1236.9	1236.3	1235.6	1233.8	1229.5	1225.9	1221.0	1218.6
27.5°	1168.5	1168.5	1169.7	1170.4	1169.7	1168.5	1168.5	1165.5	1163.0	1160.6	1158.1
30°	1069.7	1069.7	1069.7	1072.7	1069.7	1069.7	1069.7	1069.1	1069.1	1069.7	1069.7
32.5°	955.6	954.3	953.1	954.3	953.1	954.3	955.6	956.2	955.6	957.4	960.4
35°	826.2	825.6	827.4	825.0	827.4	825.6	826.2	826.2	828.7	831.1	831.7
37.5°	702.3	701.1	703.5	701.1	703.5	701.1	702.3	701.7	701.1	702.3	700.5
40°	584.6	585.8	585.8	590.7	585.8	585.8	584.6	583.3	579.1	576.6	574.2
42.5°	471.7	475.3	474.1	477.8	474.1	475.3	471.7	469.2	464.3	460.1	456.4
45°	364.9	367.3	367.3	368.6	367.3	367.3	364.9	362.4	358.2	354.5	352.1
47.5°	280.1	280.1	280.1	280.7	280.1	280.1	280.1	275.8	274.6	272.2	269.1
50°	213.0	213.6	214.2	214.8	214.2	213.6	213.0	211.7	211.1	209.9	209.3
52.5°	163.5	164.1	162.9	164.1	162.9	164.1	163.5	164.1	162.3	162.3	161.7
55°	123.9	123.3	123.9	124.5	123.9	123.3	123.9	123.9	123.3	123.3	123.3
57.5°	90.9	89.7	89.7	89.7	89.7	89.7	90.9	90.3	92.2	90.9	91.5
60°	67.7	68.3	68.3	68.9	68.3	68.3	67.7	68.9	68.9	69.6	69.6
62.5°	50.0	51.9	50.6	51.9	50.6	51.9	50.0	50.6	50.6	51.3	51.9
65°	32.3	32.3	32.3	33.0	32.3	32.3	32.3	33.0	33.6	33.0	34.8
67.5°	22.0	22.6	23.8	23.2	23.8	22.6	22.0	22.6	22.6	24.4	23.8
70°	17.7	15.9	15.9	17.7	15.9	15.9	17.7	16.5	15.9	17.1	16.5
72.5°	10.4	9.1	10.4	10.4	10.4	9.1	10.4	9.1	9.8	9.8	11.0
75°	5.5	4.9	4.3	6.1	4.3	4.9	5.5	5.5	5.5	5.5	6.1
77.5°	3.7	3.0	4.3	4.3	4.3	3.0	3.7	3.0	3.7	3.0	3.7
80°	1.8	2.4	1.8	3.0	1.8	2.4	1.8	3.0	1.8	2.4	2.4
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: P245937

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1262.5	1260.6	1261.3	1257.6	1257.6	1256.4	1257.0	1253.9	1252.7	1251.5	1253.3
5°	1280.8	1277.8	1275.3	1269.8	1266.8	1263.1	1261.3	1256.4	1252.1	1248.4	1247.8
7.5°	1295.4	1288.7	1284.5	1277.1	1271.6	1267.4	1261.3	1254.5	1249.1	1244.2	1240.5
10°	1301.5	1294.8	1288.1	1279.0	1272.9	1264.9	1258.8	1250.3	1243.0	1236.3	1232.0
12.5°	1302.1	1293.6	1287.5	1277.1	1269.2	1260.6	1253.9	1244.2	1235.6	1228.9	1222.2
15°	1296.7	1288.7	1281.4	1270.4	1262.5	1254.5	1246.6	1236.3	1228.3	1220.4	1215.5
17.5°	1284.5	1277.1	1268.6	1258.2	1250.9	1243.6	1235.0	1226.5	1217.3	1208.8	1202.7
20°	1268.6	1260.6	1253.3	1243.0	1236.9	1228.9	1221.0	1211.8	1204.5	1196.0	1189.3
22.5°	1244.8	1237.5	1230.8	1224.7	1214.9	1208.8	1203.3	1192.9	1185.6	1177.7	1170.4
25°	1210.6	1203.3	1197.8	1190.5	1186.2	1179.5	1174.0	1164.9	1158.1	1150.8	1144.7
27.5°	1154.5	1150.2	1147.1	1142.9	1139.2	1136.2	1133.1	1125.8	1120.9	1114.2	1108.1
30°	1070.3	1069.7	1067.8	1066.0	1068.4	1068.4	1068.4	1067.2	1063.0	1058.1	1053.8
32.5°	962.3	963.5	965.9	967.8	972.6	978.1	983.0	985.5	985.5	982.4	980.6
35°	833.5	835.4	839.0	843.9	850.0	856.7	867.7	870.1	872.0	872.0	869.5
37.5°	699.9	699.3	702.9	707.2	710.9	715.8	723.7	725.5	728.6	727.4	724.9
40°	569.9	566.9	565.6	566.9	571.1	569.3	571.1	569.9	569.9	565.6	565.6
42.5°	449.7	446.1	443.6	441.8	441.8	437.5	434.5	431.4	429.6	426.5	425.9
45°	346.6	342.3	339.3	338.0	336.2	330.7	327.1	323.4	319.1	317.9	318.5
47.5°	269.1	264.8	263.6	260.6	257.5	254.5	252.0	247.7	247.1	244.7	247.1
50°	207.5	206.3	204.4	203.2	201.4	198.9	196.5	194.0	192.8	192.8	193.4
52.5°	161.1	161.7	159.9	158.0	156.8	156.8	153.8	153.2	153.2	150.7	153.2
55°	123.3	122.6	123.3	122.0	122.0	120.2	120.2	118.4	118.4	116.5	117.8
57.5°	90.3	91.5	90.3	90.9	92.2	90.3	89.7	87.9	89.1	87.9	88.5
60°	70.2	70.2	70.2	69.6	69.6	68.9	68.9	68.3	68.3	67.1	68.3
62.5°	51.9	52.5	52.5	52.5	53.1	52.5	51.9	52.5	51.9	51.9	52.5
65°	34.2	34.8	34.8	34.2	35.4	34.2	34.8	35.4	36.0	35.4	36.0
67.5°	23.2	23.2	23.8	24.4	23.8	24.4	25.0	24.4	25.0	26.2	25.0
70°	17.1	17.7	17.7	17.1	16.5	17.1	16.5	18.3	18.3	18.3	19.5
72.5°	11.0	11.0	10.4	10.4	10.4	10.4	10.4	12.2	11.0	10.4	11.6
75°	6.1	6.7	6.7	4.9	5.5	6.7	4.9	5.5	7.3	6.1	7.3
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°	3.0	2.4	2.4	1.8	2.4	2.4	2.4	3.7	3.0	3.0	3.7
82.5°	1.2	1.2	0.6	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4
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: P245937

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1248.4	1248.4	1247.8	1246.6	1244.2	1244.2	1243.6	1241.7	1240.5	1239.9	1239.9
5°	1242.3	1239.9	1237.5	1230.8	1230.8	1229.5	1225.9	1223.4	1222.2	1219.2	1218.0
7.5°	1236.9	1229.5	1225.3	1221.0	1215.5	1213.1	1208.8	1206.9	1202.7	1199.6	1197.8
10°	1223.4	1218.6	1213.1	1206.3	1202.1	1197.2	1192.3	1188.7	1183.2	1180.1	1177.7
12.5°	1214.3	1206.9	1202.1	1194.7	1187.4	1183.2	1176.5	1172.2	1166.7	1160.6	1156.9
15°	1205.7	1197.8	1191.1	1183.2	1175.2	1170.4	1162.4	1157.5	1149.6	1143.5	1139.2
17.5°	1192.9	1186.2	1178.9	1169.1	1161.8	1155.7	1147.1	1141.1	1133.7	1125.8	1121.5
20°	1179.5	1171.6	1164.3	1154.5	1147.1	1139.8	1131.3	1124.6	1116.0	1108.7	1103.8
22.5°	1161.8	1152.6	1146.5	1136.8	1128.2	1120.3	1112.4	1104.5	1096.5	1090.4	1084.9
25°	1136.2	1126.4	1119.7	1111.8	1103.8	1097.7	1088.0	1083.1	1075.2	1069.7	1064.2
27.5°	1099.6	1092.2	1086.1	1078.2	1071.5	1066.6	1059.3	1054.4	1047.7	1042.8	1038.5
30°	1045.9	1039.8	1034.3	1026.3	1021.5	1017.2	1010.5	1006.2	1001.3	995.8	994.6
32.5°	973.9	969.0	963.5	958.0	954.3	951.9	946.4	944.0	939.1	936.0	933.0
35°	865.2	861.0	857.9	855.5	854.3	854.9	853.7	856.1	857.3	856.7	857.3
37.5°	723.1	720.6	721.9	723.7	729.8	737.7	745.0	756.0	763.4	770.7	777.4
40°	564.4	566.3	571.1	582.1	598.0	615.7	632.2	652.9	673.7	688.3	701.7
42.5°	425.9	431.4	443.6	459.5	483.3	509.5	535.1	565.6	590.7	615.1	632.2
45°	320.4	327.7	343.5	365.5	391.7	422.3	454.6	488.8	518.7	543.7	562.6
47.5°	249.6	256.3	272.2	295.3	327.7	359.4	393.0	428.4	459.5	483.9	500.4
50°	197.1	205.6	219.7	244.1	276.4	310.0	344.8	379.5	408.8	429.6	444.2
52.5°	155.0	162.9	176.3	202.0	234.9	268.5	300.8	335.0	360.6	380.8	390.5
55°	120.2	127.5	141.6	162.9	194.0	227.0	259.3	288.6	312.4	327.1	336.2
57.5°	91.5	97.0	106.8	128.1	156.2	186.7	214.2	243.5	261.8	272.2	278.2
60°	69.6	73.8	84.2	100.7	126.3	152.6	175.7	197.7	212.4	220.9	227.0
62.5°	52.5	57.4	64.7	78.7	98.2	119.6	139.1	155.6	167.8	173.3	177.6
65°	36.0	39.7	45.2	56.1	72.6	87.9	103.1	115.3	123.3	129.4	131.8
67.5°	26.8	29.3	32.3	40.9	52.5	64.7	75.0	83.6	92.2	94.6	98.9
70°	20.1	22.0	25.0	31.1	37.8	46.4	54.9	59.8	65.9	70.2	71.4
72.5°	12.8	13.4	16.5	20.1	25.6	31.1	36.6	40.9	44.6	47.0	48.2
75°	7.3	11.0	11.0	14.6	18.3	20.7	24.4	27.5	29.3	31.1	31.1
77.5°	4.9	6.7	7.3	9.1	11.0	14.0	17.1	18.9	20.7	21.3	21.3
80°	4.3	4.9	4.9	6.7	7.9	10.4	12.2	12.8	14.0	14.6	15.9
82.5°	1.8	2.4	3.0	4.9	5.5	5.5	7.3	7.9	9.1	9.8	9.8
85°	0.6	1.2	1.2	1.8	3.0	3.7	4.3	4.9	5.5	5.5	6.1
87.5°	0.6	0.6	0.0	0.6	1.2	1.2	2.4	2.4	2.4	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: P245937

CATALOG NUMBER: LD8B30D010 ER8B30940 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7	1249.7
2.5°	1238.7	1239.3	1236.9	1236.3	1235.0	1235.6	1236.9
5°	1216.1	1216.7	1214.3	1211.8	1211.8	1211.2	1211.8
7.5°	1194.7	1195.4	1191.7	1190.5	1188.0	1188.7	1188.7
10°	1173.4	1173.4	1167.9	1167.3	1165.5	1164.9	1164.9
12.5°	1152.6	1150.8	1146.5	1144.1	1145.3	1141.7	1141.7
15°	1134.3	1131.3	1125.8	1124.0	1120.9	1119.7	1119.7
17.5°	1115.4	1113.0	1108.1	1104.5	1100.8	1100.2	1100.8
20°	1097.1	1094.7	1088.6	1086.1	1083.1	1083.1	1081.9
22.5°	1078.8	1076.4	1070.9	1069.1	1064.8	1064.8	1065.4
25°	1059.9	1058.1	1052.0	1050.8	1050.2	1047.7	1048.9
27.5°	1034.3	1033.0	1028.2	1026.3	1023.9	1023.3	1024.5
30°	987.3	985.5	981.8	980.0	975.7	976.3	977.5
32.5°	928.7	926.3	921.4	919.5	915.9	914.7	915.3
35°	855.5	853.7	849.4	849.4	845.7	844.5	845.7
37.5°	781.1	782.9	781.1	782.9	781.1	780.4	781.1
40°	710.9	717.6	718.8	725.5	723.1	726.7	726.1
42.5°	643.7	654.7	659.0	664.5	663.3	665.7	667.6
45°	576.0	585.2	589.4	593.1	593.7	594.9	595.6
47.5°	511.9	519.3	519.9	524.1	523.5	523.5	525.4
50°	452.2	457.0	458.2	461.3	458.9	457.6	458.2
52.5°	396.6	401.5	400.3	401.5	398.5	397.2	397.8
55°	339.9	342.3	342.3	342.3	338.7	338.7	338.7
57.5°	281.9	282.5	281.3	281.9	281.3	277.6	277.0
60°	228.8	228.8	228.2	228.8	227.0	225.2	225.2
62.5°	178.8	180.0	182.4	180.0	178.8	180.0	178.2
65°	133.6	136.1	135.5	136.7	136.1	136.1	134.8
67.5°	100.7	101.3	101.9	102.5	102.5	102.5	102.5
70°	73.8	75.7	75.0	75.0	75.0	75.0	78.7
72.5°	49.4	51.9	51.3	52.5	52.5	53.7	52.5
75°	33.6	36.0	34.8	36.6	36.0	34.8	37.8
77.5°	22.6	23.8	24.4	25.0	24.4	23.8	24.4
80°	15.9	17.1	16.5	17.1	17.1	17.1	17.7
82.5°	9.8	11.6	11.0	11.6	11.0	11.6	11.6
85°	6.7	7.3	6.1	7.3	6.7	6.7	7.9
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)