

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: P245931

Luminaire Tested: **LD8B30D010 ER8B30935 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245931  
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 ER8B30935 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2016.0 lumens  
Efficiency: N/A  
Efficacy: 74.4 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

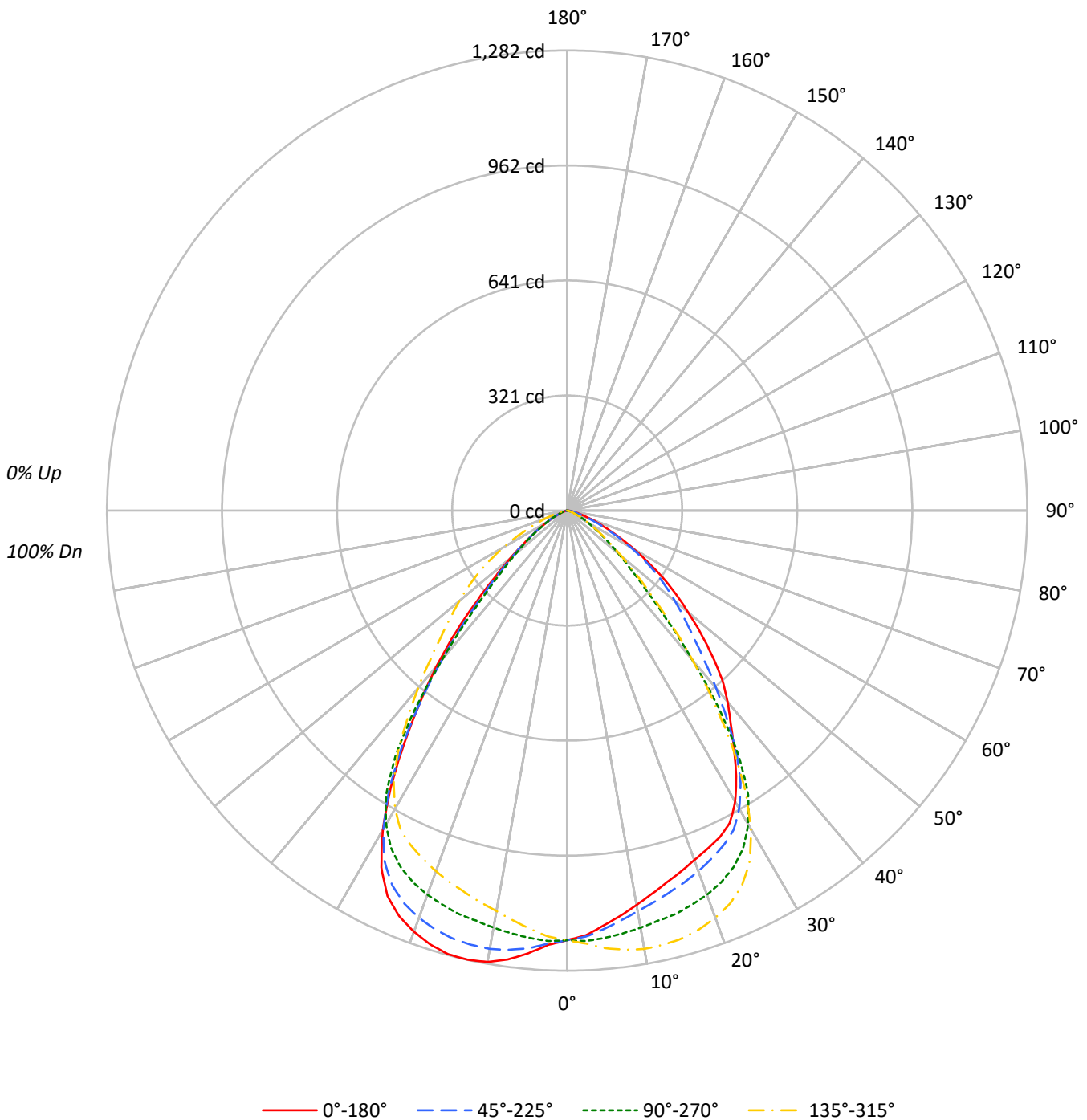
Input Watts (W): 27.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	36905	36905	36905	36905
5°	35925	36993	38315	36993
10°	34932	36945	39982	36945
15°	34235	37163	40856	37163
20°	34000	37377	40963	37377
25°	34181	37301	40305	37301
30°	33335	35934	36582	35934
35°	30492	31350	29743	31350
40°	27993	21806	22772	21806
45°	24875	13305	15394	13305
50°	21055	8885	9868	8885
55°	17435	6064	6408	6064
60°	13297	4040	4070	4040
65°	9420	2517	2306	2517
70°	6798	1686	1533	1686
75°	4313	834	691	834
80°	3019	622	515	622
85°	2689	0	212	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	5.7
10°-20°	329.9	16.4
20°-30°	499.5	24.8
30°-40°	500.6	24.8
40°-50°	314.4	15.6
50°-60°	167.5	8.3
60°-70°	68.9	3.4
70°-80°	18.2	0.9
80°-90°	3.1	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°	943.3	46.8
0°-40°	1443.9	71.6
0°-60°	1925.8	95.5
0°-90°	2016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2016.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1197	1197	1197	1197	1197	
5°	1161	1195	1238	1195	1161	109
15°	1072	1164	1280	1164	1072	303
25°	1005	1096	1185	1096	1005	461
35°	810	833	790	833	810	507
45°	570	305	353	305	570	439
55°	324	113	119	113	324	289
65°	129	34	32	34	129	134
75°	36	7	6	7	36	41
85°	8	0	1	0	8	8
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°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1184.6	1183.4	1182.8	1184.0	1184.6	1186.9	1186.3	1187.5	1187.5	1188.1	1189.2
5°	1160.6	1160.0	1160.6	1160.6	1162.9	1165.3	1164.7	1166.5	1167.6	1170.5	1171.7
7.5°	1138.4	1138.4	1137.8	1140.1	1141.3	1144.8	1144.2	1147.2	1148.9	1151.8	1155.9
10°	1115.6	1115.6	1116.2	1117.9	1118.5	1123.8	1123.8	1127.9	1130.2	1133.1	1138.4
12.5°	1093.4	1093.4	1096.9	1095.7	1098.1	1102.2	1103.9	1108.0	1111.5	1117.4	1122.6
15°	1072.4	1072.4	1073.5	1076.4	1078.2	1083.5	1086.4	1091.1	1095.2	1101.0	1108.6
17.5°	1054.2	1053.7	1054.2	1057.8	1061.3	1065.9	1068.3	1074.1	1078.2	1085.8	1092.8
20°	1036.1	1037.3	1037.3	1040.2	1042.6	1048.4	1050.7	1057.2	1061.8	1068.8	1077.0
22.5°	1020.4	1019.8	1019.8	1023.9	1025.6	1030.9	1033.2	1039.0	1044.3	1050.2	1057.8
25°	1004.6	1003.4	1005.7	1006.3	1007.5	1013.3	1015.1	1019.2	1024.4	1029.7	1037.3
27.5°	981.2	980.0	980.6	982.9	984.7	989.4	990.5	994.6	998.7	1003.4	1009.8
30°	936.2	935.0	934.5	938.5	940.3	943.8	945.5	952.6	953.7	959.0	963.7
32.5°	876.6	876.0	877.2	880.7	882.4	887.1	889.4	893.5	896.4	899.4	904.0
35°	810.0	808.8	810.0	813.5	813.5	817.6	819.3	821.1	820.5	821.1	819.9
37.5°	748.0	747.4	748.0	749.8	748.0	749.8	748.0	744.5	738.1	731.1	724.1
40°	695.4	696.0	692.5	694.9	688.4	687.2	680.8	672.0	659.2	645.2	625.3
42.5°	639.3	637.6	635.2	636.4	631.2	627.0	616.5	605.4	589.1	565.7	541.7
45°	570.4	569.8	568.6	568.0	564.5	560.4	551.7	538.8	520.7	496.7	468.1
47.5°	503.2	501.4	501.4	502.0	497.9	497.3	490.3	479.2	463.4	440.0	410.2
50°	438.9	438.3	439.5	441.8	438.9	437.7	433.0	425.4	411.4	391.6	363.5
52.5°	381.0	380.4	381.6	384.5	383.4	384.5	379.9	374.0	364.7	345.4	320.8
55°	324.3	324.3	324.3	327.8	327.8	327.8	325.5	322.0	313.2	299.2	276.4
57.5°	265.3	265.9	269.4	270.0	269.4	270.6	270.0	266.5	260.7	250.7	233.2
60°	215.6	215.6	217.4	219.2	218.6	219.2	219.2	217.4	211.6	203.4	189.4
62.5°	170.6	172.4	171.2	172.4	174.7	172.4	171.2	170.1	166.0	160.7	149.0
65°	129.1	130.3	130.3	130.9	129.7	130.3	128.0	126.2	123.9	118.1	110.5
67.5°	98.2	98.2	98.2	98.2	97.6	97.0	96.4	94.7	90.6	88.3	80.1
70°	75.4	71.9	71.9	71.9	71.9	72.5	70.7	68.4	67.2	63.1	57.3
72.5°	50.2	51.4	50.2	50.2	49.1	49.7	47.3	46.2	45.0	42.7	39.2
75°	36.2	33.3	34.5	35.1	33.3	34.5	32.1	29.8	29.8	28.0	26.3
77.5°	23.4	22.8	23.4	24.0	23.4	22.8	21.6	20.4	20.4	19.9	18.1
80°	17.0	16.4	16.4	16.4	15.8	16.4	15.2	15.2	14.0	13.4	12.3
82.5°	11.1	11.1	10.5	11.1	10.5	11.1	9.4	9.4	9.4	8.8	7.6
85°	7.6	6.4	6.4	7.0	5.8	7.0	6.4	5.8	5.3	5.3	4.7
87.5°	3.5	4.1	3.5	4.1	3.5	3.5	4.1	3.5	3.5	2.3	2.3
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1191.0	1191.6	1191.6	1193.9	1195.1	1195.7	1195.7	1200.3	1198.6	1199.8	1200.9
5°	1174.1	1177.5	1178.7	1178.7	1185.1	1187.5	1189.8	1195.1	1195.7	1199.2	1203.3
7.5°	1157.7	1161.8	1164.1	1169.4	1173.5	1177.5	1184.6	1188.1	1191.6	1196.3	1201.5
10°	1141.9	1146.6	1151.3	1155.3	1161.8	1167.0	1171.7	1179.9	1184.0	1190.4	1197.4
12.5°	1126.7	1133.1	1137.2	1144.2	1151.3	1155.9	1162.9	1170.5	1177.0	1183.4	1191.6
15°	1113.3	1120.9	1125.5	1133.1	1140.7	1147.2	1154.8	1164.1	1168.8	1176.4	1184.0
17.5°	1098.6	1106.8	1112.7	1119.7	1129.1	1136.1	1142.5	1151.8	1157.7	1165.9	1174.6
20°	1083.5	1091.6	1098.6	1105.7	1115.0	1122.0	1129.6	1139.0	1145.4	1153.6	1160.6
22.5°	1065.4	1073.0	1080.5	1088.7	1098.1	1103.9	1112.7	1120.9	1127.9	1135.5	1142.5
25°	1042.0	1051.3	1057.2	1064.8	1072.4	1078.8	1088.1	1096.3	1102.2	1109.2	1115.6
27.5°	1014.5	1021.5	1026.2	1032.6	1040.2	1046.1	1053.1	1061.3	1067.1	1073.5	1078.2
30°	967.7	974.2	978.3	982.9	990.5	995.8	1001.7	1009.2	1013.3	1018.0	1022.1
32.5°	906.4	911.7	914.0	917.5	922.8	928.0	932.7	939.1	940.9	943.8	943.8
35°	817.6	818.7	818.2	819.3	821.7	824.6	828.7	832.8	835.1	835.1	833.4
37.5°	713.5	706.5	698.9	693.1	691.3	690.2	692.5	694.2	696.6	697.8	694.9
40°	605.4	589.7	572.7	557.5	547.0	542.3	540.6	541.7	541.7	545.8	545.8
42.5°	512.5	488.0	462.8	440.0	424.8	413.2	407.9	407.9	408.5	411.4	413.2
45°	435.4	404.4	375.2	350.1	329.0	313.8	306.8	305.1	304.5	305.6	309.7
47.5°	376.4	344.2	313.8	282.9	260.7	245.4	239.0	236.7	234.3	236.7	237.3
50°	330.2	296.9	264.7	233.8	210.4	196.9	188.8	185.2	184.7	184.7	185.8
52.5°	288.1	257.1	225.0	193.4	168.9	156.0	148.4	146.7	144.3	146.7	146.7
55°	248.4	217.4	185.8	156.0	135.6	122.1	115.1	112.8	111.6	113.4	113.4
57.5°	205.1	178.8	149.6	122.7	102.3	92.9	87.7	84.7	84.1	85.3	84.1
60°	168.3	146.1	121.0	96.4	80.7	70.7	66.6	65.5	64.3	65.5	65.5
62.5°	133.2	114.5	94.1	75.4	61.9	54.9	50.2	50.2	49.7	49.7	50.2
65°	98.8	84.1	69.5	53.8	43.2	38.0	34.5	34.5	33.9	34.5	33.9
67.5°	71.9	61.9	50.2	39.2	31.0	28.0	25.7	24.0	25.1	24.0	23.4
70°	52.6	44.4	36.2	29.8	24.0	21.0	19.3	18.7	17.5	17.5	17.5
72.5°	35.1	29.8	24.5	19.3	15.8	12.8	12.3	11.1	9.9	10.5	11.7
75°	23.4	19.9	17.5	14.0	10.5	10.5	7.0	7.0	5.8	7.0	5.3
77.5°	16.4	13.4	10.5	8.8	7.0	6.4	4.7	4.7	4.1	4.1	4.1
80°	11.7	9.9	7.6	6.4	4.7	4.7	4.1	3.5	2.9	2.9	3.5
82.5°	7.0	5.3	5.3	4.7	2.9	2.3	1.8	2.3	1.2	1.2	1.2
85°	4.1	3.5	2.9	1.8	1.2	1.2	0.6	0.0	0.6	0.6	0.0
87.5°	2.3	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°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1203.9	1203.3	1204.4	1204.4	1207.9	1207.3	1209.1	1209.1	1207.9	1208.5	1210.9
5°	1207.9	1209.7	1213.2	1216.1	1221.4	1223.7	1226.6	1229.6	1230.2	1231.9	1233.7
7.5°	1207.9	1213.8	1217.9	1223.1	1230.2	1234.2	1240.7	1245.9	1248.3	1251.2	1254.7
10°	1205.6	1211.4	1219.0	1224.9	1233.7	1240.1	1246.5	1254.7	1258.2	1262.9	1267.6
12.5°	1200.9	1207.3	1215.5	1223.1	1233.1	1238.9	1247.1	1254.7	1260.0	1266.4	1271.6
15°	1193.9	1201.5	1209.1	1216.7	1227.2	1234.2	1241.8	1250.6	1255.9	1262.9	1267.6
17.5°	1182.8	1191.0	1198.0	1205.0	1214.9	1223.1	1230.2	1238.3	1243.6	1249.4	1255.9
20°	1169.4	1177.0	1184.6	1190.4	1200.3	1207.3	1214.9	1222.5	1226.6	1227.8	1237.8
22.5°	1152.4	1157.7	1163.5	1172.9	1178.7	1185.1	1192.2	1199.2	1203.3	1209.7	1213.2
25°	1124.4	1129.6	1136.1	1140.1	1147.2	1152.4	1159.4	1167.0	1169.4	1174.1	1177.5
27.5°	1085.2	1088.1	1091.1	1094.6	1098.6	1101.6	1105.7	1109.2	1111.5	1113.8	1116.2
30°	1023.3	1023.3	1023.3	1020.9	1022.7	1024.4	1025.0	1024.4	1024.4	1023.9	1023.9
32.5°	941.5	936.8	931.5	926.9	925.1	922.8	921.6	919.8	916.9	915.2	915.7
35°	831.0	820.5	814.1	808.2	803.6	800.0	798.3	796.5	795.9	793.6	791.3
37.5°	693.1	685.5	680.8	677.3	673.2	669.7	670.3	670.9	672.6	671.5	672.0
40°	547.0	545.2	547.0	542.9	541.7	542.9	545.8	549.9	552.3	554.6	558.7
42.5°	416.1	419.0	423.1	423.1	424.8	427.2	430.7	437.1	440.6	444.7	449.4
45°	313.2	316.7	322.0	323.7	324.9	327.8	331.9	337.2	339.5	343.0	347.1
47.5°	241.4	243.7	246.6	249.5	252.4	253.6	257.7	257.7	260.7	263.0	264.1
50°	188.2	190.5	192.8	194.6	195.8	197.5	198.7	200.4	201.0	202.2	202.8
52.5°	147.3	150.2	150.2	151.3	153.1	154.9	154.3	154.9	155.4	155.4	157.2
55°	115.1	115.1	116.9	116.9	118.1	117.5	118.1	118.1	118.1	118.1	118.6
57.5°	85.9	86.5	88.3	87.1	86.5	87.7	86.5	87.7	87.1	88.3	86.5
60°	66.0	66.0	66.6	66.6	67.2	67.2	67.2	66.6	66.6	66.0	66.0
62.5°	49.7	50.2	50.9	50.2	50.2	50.2	49.7	49.7	49.1	48.5	48.5
65°	33.3	32.7	33.9	32.7	33.3	33.3	32.7	33.3	31.6	32.1	31.6
67.5°	24.0	23.4	22.8	23.4	22.8	22.2	22.2	22.8	23.4	21.6	21.6
70°	15.8	16.4	15.8	16.4	17.0	17.0	16.4	15.8	16.4	15.2	15.8
72.5°	9.9	9.9	9.9	9.9	9.9	10.5	10.5	10.5	9.4	9.4	8.8
75°	4.7	6.4	5.3	4.7	6.4	6.4	5.8	5.8	5.3	5.3	5.3
77.5°	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.9	3.5	2.9
80°	2.3	2.3	2.3	1.8	2.3	2.3	2.9	2.3	2.3	1.8	2.9
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: P245931

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1210.3	1209.7	1210.3	1210.9	1210.3	1209.7	1210.3	1210.9	1208.5	1207.9	1209.1
5°	1236.0	1236.0	1237.2	1237.8	1237.2	1236.0	1236.0	1233.7	1231.9	1230.2	1229.6
7.5°	1258.2	1259.4	1260.5	1261.1	1260.5	1259.4	1258.2	1254.7	1251.2	1248.3	1245.9
10°	1271.6	1273.4	1275.7	1276.9	1275.7	1273.4	1271.6	1267.6	1262.9	1258.2	1254.7
12.5°	1277.5	1279.2	1282.2	1281.6	1282.2	1279.2	1277.5	1271.6	1266.4	1260.0	1254.7
15°	1273.4	1275.7	1278.6	1279.8	1278.6	1275.7	1273.4	1267.6	1262.9	1255.9	1250.6
17.5°	1260.5	1264.0	1265.8	1267.6	1265.8	1264.0	1260.5	1255.9	1249.4	1243.6	1238.3
20°	1243.0	1245.4	1247.7	1248.3	1247.7	1245.4	1243.0	1237.8	1227.8	1226.6	1222.5
22.5°	1217.9	1219.6	1224.9	1223.1	1224.9	1219.6	1217.9	1213.2	1209.7	1203.3	1199.2
25°	1181.6	1183.4	1184.0	1184.6	1184.0	1183.4	1181.6	1177.5	1174.1	1169.4	1167.0
27.5°	1119.1	1119.1	1120.3	1120.9	1120.3	1119.1	1119.1	1116.2	1113.8	1111.5	1109.2
30°	1024.4	1024.4	1024.4	1027.4	1024.4	1024.4	1024.4	1023.9	1023.9	1024.4	1024.4
32.5°	915.2	914.0	912.8	914.0	912.8	914.0	915.2	915.7	915.2	916.9	919.8
35°	791.3	790.7	792.4	790.1	792.4	790.7	791.3	791.3	793.6	795.9	796.5
37.5°	672.6	671.5	673.8	671.5	673.8	671.5	672.6	672.0	671.5	672.6	670.9
40°	559.9	561.0	561.0	565.7	561.0	561.0	559.9	558.7	554.6	552.3	549.9
42.5°	451.7	455.2	454.1	457.6	454.1	455.2	451.7	449.4	444.7	440.6	437.1
45°	349.5	351.8	351.8	353.0	351.8	351.8	349.5	347.1	343.0	339.5	337.2
47.5°	268.2	268.2	268.2	268.8	268.2	268.2	268.2	264.1	263.0	260.7	257.7
50°	204.0	204.5	205.1	205.7	205.1	204.5	204.0	202.8	202.2	201.0	200.4
52.5°	156.6	157.2	156.0	157.2	156.0	157.2	156.6	157.2	155.4	155.4	154.9
55°	118.6	118.1	118.6	119.2	118.6	118.1	118.6	118.6	118.1	118.1	118.1
57.5°	87.1	85.9	85.9	85.9	85.9	85.9	87.1	86.5	88.3	87.1	87.7
60°	64.9	65.5	65.5	66.0	65.5	65.5	64.9	66.0	66.0	66.6	66.6
62.5°	47.9	49.7	48.5	49.7	48.5	49.7	47.9	48.5	48.5	49.1	49.7
65°	31.0	31.0	31.0	31.6	31.0	31.0	31.0	31.6	32.1	31.6	33.3
67.5°	21.0	21.6	22.8	22.2	22.8	21.6	21.0	21.6	21.6	23.4	22.8
70°	17.0	15.2	15.2	17.0	15.2	15.2	17.0	15.8	15.2	16.4	15.8
72.5°	9.9	8.8	9.9	9.9	9.9	8.8	9.9	8.8	9.4	9.4	10.5
75°	5.3	4.7	4.1	5.8	4.1	4.7	5.3	5.3	5.3	5.3	5.8
77.5°	3.5	2.9	4.1	4.1	4.1	2.9	3.5	2.9	3.5	2.9	3.5
80°	1.8	2.3	1.8	2.9	1.8	2.3	1.8	2.9	1.8	2.3	2.3
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: P245931

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1209.1	1207.3	1207.9	1204.4	1204.4	1203.3	1203.9	1200.9	1199.8	1198.6	1200.3
5°	1226.6	1223.7	1221.4	1216.1	1213.2	1209.7	1207.9	1203.3	1199.2	1195.7	1195.1
7.5°	1240.7	1234.2	1230.2	1223.1	1217.9	1213.8	1207.9	1201.5	1196.3	1191.6	1188.1
10°	1246.5	1240.1	1233.7	1224.9	1219.0	1211.4	1205.6	1197.4	1190.4	1184.0	1179.9
12.5°	1247.1	1238.9	1233.1	1223.1	1215.5	1207.3	1200.9	1191.6	1183.4	1177.0	1170.5
15°	1241.8	1234.2	1227.2	1216.7	1209.1	1201.5	1193.9	1184.0	1176.4	1168.8	1164.1
17.5°	1230.2	1223.1	1214.9	1205.0	1198.0	1191.0	1182.8	1174.6	1165.9	1157.7	1151.8
20°	1214.9	1207.3	1200.3	1190.4	1184.6	1177.0	1169.4	1160.6	1153.6	1145.4	1139.0
22.5°	1192.2	1185.1	1178.7	1172.9	1163.5	1157.7	1152.4	1142.5	1135.5	1127.9	1120.9
25°	1159.4	1152.4	1147.2	1140.1	1136.1	1129.6	1124.4	1115.6	1109.2	1102.2	1096.3
27.5°	1105.7	1101.6	1098.6	1094.6	1091.1	1088.1	1085.2	1078.2	1073.5	1067.1	1061.3
30°	1025.0	1024.4	1022.7	1020.9	1023.3	1023.3	1023.3	1022.1	1018.0	1013.3	1009.2
32.5°	921.6	922.8	925.1	926.9	931.5	936.8	941.5	943.8	943.8	940.9	939.1
35°	798.3	800.0	803.6	808.2	814.1	820.5	831.0	833.4	835.1	835.1	832.8
37.5°	670.3	669.7	673.2	677.3	680.8	685.5	693.1	694.9	697.8	696.6	694.2
40°	545.8	542.9	541.7	542.9	547.0	545.2	547.0	545.8	545.8	541.7	541.7
42.5°	430.7	427.2	424.8	423.1	423.1	419.0	416.1	413.2	411.4	408.5	407.9
45°	331.9	327.8	324.9	323.7	322.0	316.7	313.2	309.7	305.6	304.5	305.1
47.5°	257.7	253.6	252.4	249.5	246.6	243.7	241.4	237.3	236.7	234.3	236.7
50°	198.7	197.5	195.8	194.6	192.8	190.5	188.2	185.8	184.7	184.7	185.2
52.5°	154.3	154.9	153.1	151.3	150.2	150.2	147.3	146.7	146.7	144.3	146.7
55°	118.1	117.5	118.1	116.9	116.9	115.1	115.1	113.4	113.4	111.6	112.8
57.5°	86.5	87.7	86.5	87.1	88.3	86.5	85.9	84.1	85.3	84.1	84.7
60°	67.2	67.2	67.2	66.6	66.6	66.0	66.0	65.5	65.5	64.3	65.5
62.5°	49.7	50.2	50.2	50.2	50.9	50.2	49.7	50.2	49.7	49.7	50.2
65°	32.7	33.3	33.3	32.7	33.9	32.7	33.3	33.9	34.5	33.9	34.5
67.5°	22.2	22.2	22.8	23.4	22.8	23.4	24.0	23.4	24.0	25.1	24.0
70°	16.4	17.0	17.0	16.4	15.8	16.4	15.8	17.5	17.5	17.5	18.7
72.5°	10.5	10.5	9.9	9.9	9.9	9.9	9.9	11.7	10.5	9.9	11.1
75°	5.8	6.4	6.4	4.7	5.3	6.4	4.7	5.3	7.0	5.8	7.0
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.1	4.1	4.1	4.7
80°	2.9	2.3	2.3	1.8	2.3	2.3	2.3	3.5	2.9	2.9	3.5
82.5°	1.2	1.2	0.6	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3
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: P245931

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1195.7	1195.7	1195.1	1193.9	1191.6	1191.6	1191.0	1189.2	1188.1	1187.5	1187.5
5°	1189.8	1187.5	1185.1	1178.7	1178.7	1177.5	1174.1	1171.7	1170.5	1167.6	1166.5
7.5°	1184.6	1177.5	1173.5	1169.4	1164.1	1161.8	1157.7	1155.9	1151.8	1148.9	1147.2
10°	1171.7	1167.0	1161.8	1155.3	1151.3	1146.6	1141.9	1138.4	1133.1	1130.2	1127.9
12.5°	1162.9	1155.9	1151.3	1144.2	1137.2	1133.1	1126.7	1122.6	1117.4	1111.5	1108.0
15°	1154.8	1147.2	1140.7	1133.1	1125.5	1120.9	1113.3	1108.6	1101.0	1095.2	1091.1
17.5°	1142.5	1136.1	1129.1	1119.7	1112.7	1106.8	1098.6	1092.8	1085.8	1078.2	1074.1
20°	1129.6	1122.0	1115.0	1105.7	1098.6	1091.6	1083.5	1077.0	1068.8	1061.8	1057.2
22.5°	1112.7	1103.9	1098.1	1088.7	1080.5	1073.0	1065.4	1057.8	1050.2	1044.3	1039.0
25°	1088.1	1078.8	1072.4	1064.8	1057.2	1051.3	1042.0	1037.3	1029.7	1024.4	1019.2
27.5°	1053.1	1046.1	1040.2	1032.6	1026.2	1021.5	1014.5	1009.8	1003.4	998.7	994.6
30°	1001.7	995.8	990.5	982.9	978.3	974.2	967.7	963.7	959.0	953.7	952.6
32.5°	932.7	928.0	922.8	917.5	914.0	911.7	906.4	904.0	899.4	896.4	893.5
35°	828.7	824.6	821.7	819.3	818.2	818.7	817.6	819.9	821.1	820.5	821.1
37.5°	692.5	690.2	691.3	693.1	698.9	706.5	713.5	724.1	731.1	738.1	744.5
40°	540.6	542.3	547.0	557.5	572.7	589.7	605.4	625.3	645.2	659.2	672.0
42.5°	407.9	413.2	424.8	440.0	462.8	488.0	512.5	541.7	565.7	589.1	605.4
45°	306.8	313.8	329.0	350.1	375.2	404.4	435.4	468.1	496.7	520.7	538.8
47.5°	239.0	245.4	260.7	282.9	313.8	344.2	376.4	410.2	440.0	463.4	479.2
50°	188.8	196.9	210.4	233.8	264.7	296.9	330.2	363.5	391.6	411.4	425.4
52.5°	148.4	156.0	168.9	193.4	225.0	257.1	288.1	320.8	345.4	364.7	374.0
55°	115.1	122.1	135.6	156.0	185.8	217.4	248.4	276.4	299.2	313.2	322.0
57.5°	87.7	92.9	102.3	122.7	149.6	178.8	205.1	233.2	250.7	260.7	266.5
60°	66.6	70.7	80.7	96.4	121.0	146.1	168.3	189.4	203.4	211.6	217.4
62.5°	50.2	54.9	61.9	75.4	94.1	114.5	133.2	149.0	160.7	166.0	170.1
65°	34.5	38.0	43.2	53.8	69.5	84.1	98.8	110.5	118.1	123.9	126.2
67.5°	25.7	28.0	31.0	39.2	50.2	61.9	71.9	80.1	88.3	90.6	94.7
70°	19.3	21.0	24.0	29.8	36.2	44.4	52.6	57.3	63.1	67.2	68.4
72.5°	12.3	12.8	15.8	19.3	24.5	29.8	35.1	39.2	42.7	45.0	46.2
75°	7.0	10.5	10.5	14.0	17.5	19.9	23.4	26.3	28.0	29.8	29.8
77.5°	4.7	6.4	7.0	8.8	10.5	13.4	16.4	18.1	19.9	20.4	20.4
80°	4.1	4.7	4.7	6.4	7.6	9.9	11.7	12.3	13.4	14.0	15.2
82.5°	1.8	2.3	2.9	4.7	5.3	5.3	7.0	7.6	8.8	9.4	9.4
85°	0.6	1.2	1.2	1.8	2.9	3.5	4.1	4.7	5.3	5.3	5.8
87.5°	0.6	0.6	0.0	0.6	1.2	1.2	2.3	2.3	2.3	3.5	3.5
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: P245931

CATALOG NUMBER: LD8B30D010 ER8B30935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8	1196.8
2.5°	1186.3	1186.9	1184.6	1184.0	1182.8	1183.4	1184.6
5°	1164.7	1165.3	1162.9	1160.6	1160.6	1160.0	1160.6
7.5°	1144.2	1144.8	1141.3	1140.1	1137.8	1138.4	1138.4
10°	1123.8	1123.8	1118.5	1117.9	1116.2	1115.6	1115.6
12.5°	1103.9	1102.2	1098.1	1095.7	1096.9	1093.4	1093.4
15°	1086.4	1083.5	1078.2	1076.4	1073.5	1072.4	1072.4
17.5°	1068.3	1065.9	1061.3	1057.8	1054.2	1053.7	1054.2
20°	1050.7	1048.4	1042.6	1040.2	1037.3	1037.3	1036.1
22.5°	1033.2	1030.9	1025.6	1023.9	1019.8	1019.8	1020.4
25°	1015.1	1013.3	1007.5	1006.3	1005.7	1003.4	1004.6
27.5°	990.5	989.4	984.7	982.9	980.6	980.0	981.2
30°	945.5	943.8	940.3	938.5	934.5	935.0	936.2
32.5°	889.4	887.1	882.4	880.7	877.2	876.0	876.6
35°	819.3	817.6	813.5	813.5	810.0	808.8	810.0
37.5°	748.0	749.8	748.0	749.8	748.0	747.4	748.0
40°	680.8	687.2	688.4	694.9	692.5	696.0	695.4
42.5°	616.5	627.0	631.2	636.4	635.2	637.6	639.3
45°	551.7	560.4	564.5	568.0	568.6	569.8	570.4
47.5°	490.3	497.3	497.9	502.0	501.4	501.4	503.2
50°	433.0	437.7	438.9	441.8	439.5	438.3	438.9
52.5°	379.9	384.5	383.4	384.5	381.6	380.4	381.0
55°	325.5	327.8	327.8	327.8	324.3	324.3	324.3
57.5°	270.0	270.6	269.4	270.0	269.4	265.9	265.3
60°	219.2	219.2	218.6	219.2	217.4	215.6	215.6
62.5°	171.2	172.4	174.7	172.4	171.2	172.4	170.6
65°	128.0	130.3	129.7	130.9	130.3	130.3	129.1
67.5°	96.4	97.0	97.6	98.2	98.2	98.2	98.2
70°	70.7	72.5	71.9	71.9	71.9	71.9	75.4
72.5°	47.3	49.7	49.1	50.2	50.2	51.4	50.2
75°	32.1	34.5	33.3	35.1	34.5	33.3	36.2
77.5°	21.6	22.8	23.4	24.0	23.4	22.8	23.4
80°	15.2	16.4	15.8	16.4	16.4	16.4	17.0
82.5°	9.4	11.1	10.5	11.1	10.5	11.1	11.1
85°	6.4	7.0	5.8	7.0	6.4	6.4	7.6
87.5°	4.1	3.5	3.5	4.1	3.5	4.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)