

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: P245941

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245941  
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: LSR8B15D010 EC8B15950 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1088.0 lumens  
Efficiency: N/A  
Efficacy: 75.6 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

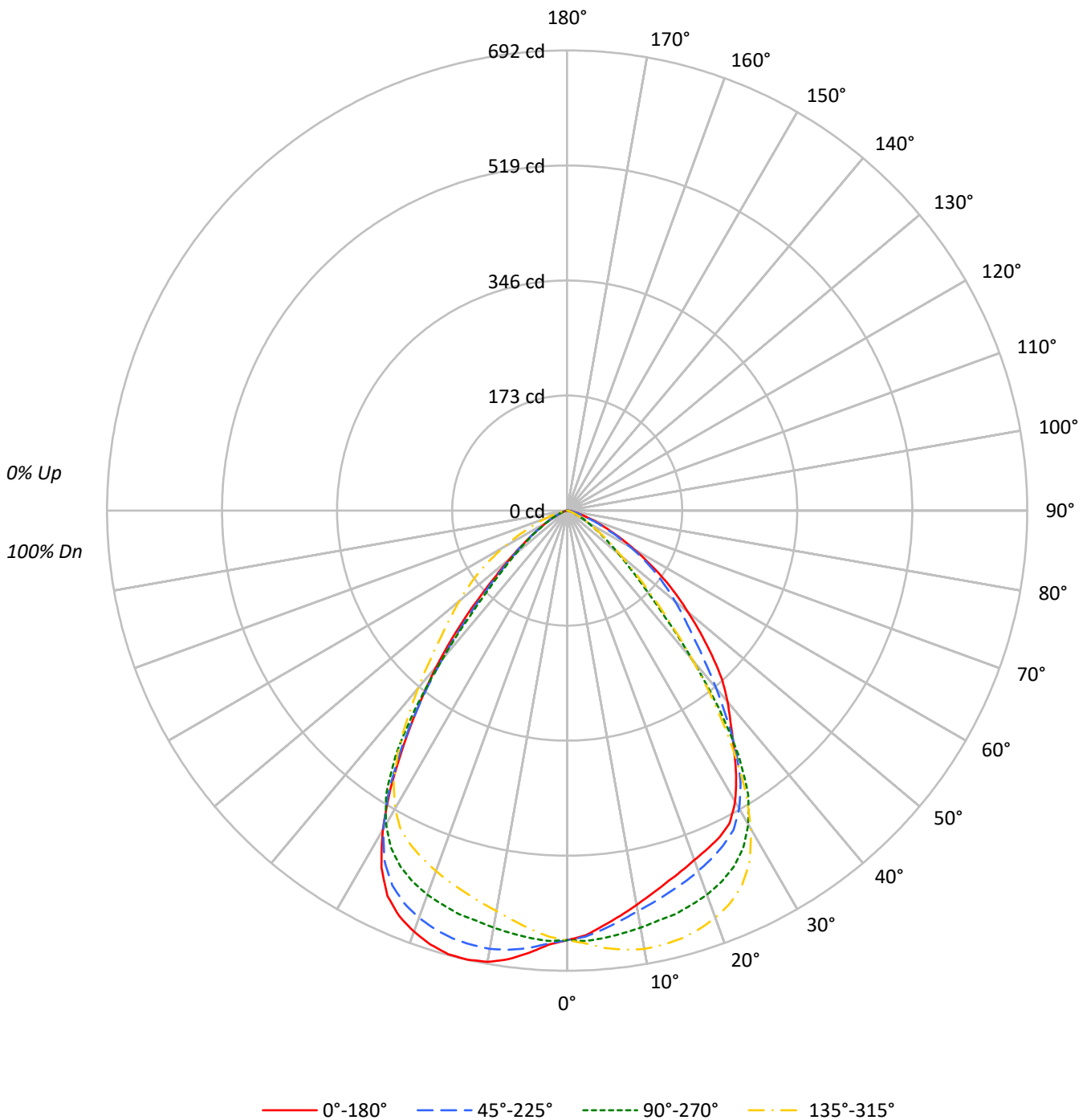
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	19917	19917	19917	19917
5°	19390	19965	20677	19965
10°	18853	19939	21577	19939
15°	18474	20058	22050	20058
20°	18350	20172	22108	20172
25°	18444	20132	21752	20132
30°	17989	19395	19744	19395
35°	16454	16917	16051	16917
40°	15107	11770	12290	11770
45°	13423	7178	8308	7178
50°	11360	4797	5325	4797
55°	9408	3274	3457	3274
60°	7179	2177	2196	2177
65°	5086	1357	1240	1357
70°	3669	911	829	911
75°	2335	453	381	453
80°	1634	337	284	337
85°	1451	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.5	5.7
10°-20°	178.0	16.4
20°-30°	269.6	24.8
30°-40°	270.2	24.8
40°-50°	169.7	15.6
50°-60°	90.4	8.3
60°-70°	37.2	3.4
70°-80°	9.8	0.9
80°-90°	1.7	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°	509.1	46.8
0°-40°	779.3	71.6
0°-60°	1039.3	95.5
0°-90°	1088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	646	646	646	646	646	
5°	626	645	668	645	626	59
15°	579	628	691	628	579	164
25°	542	592	639	592	542	249
35°	437	449	426	449	437	274
45°	308	165	190	165	308	237
55°	175	61	64	61	175	156
65°	70	19	17	19	70	72
75°	20	4	3	4	20	22
85°	4	0	0	0	4	5
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°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	639.3	638.7	638.3	639.0	639.3	640.5	640.2	640.9	640.9	641.2	641.8
5°	626.4	626.0	626.4	626.4	627.6	628.9	628.6	629.5	630.1	631.7	632.3
7.5°	614.4	614.4	614.1	615.3	615.9	617.8	617.5	619.1	620.1	621.6	623.8
10°	602.1	602.1	602.4	603.3	603.7	606.5	606.5	608.7	610.0	611.5	614.4
12.5°	590.1	590.1	592.0	591.3	592.6	594.8	595.8	598.0	599.9	603.0	605.9
15°	578.7	578.7	579.4	580.9	581.9	584.7	586.3	588.8	591.0	594.2	598.3
17.5°	569.0	568.6	569.0	570.9	572.7	575.3	576.5	579.7	581.9	586.0	589.8
20°	559.2	559.8	559.8	561.4	562.6	565.8	567.1	570.5	573.1	576.8	581.3
22.5°	550.7	550.4	550.4	552.6	553.5	556.3	557.6	560.8	563.6	566.7	570.9
25°	542.1	541.5	542.8	543.1	543.7	546.9	547.8	550.0	552.9	555.7	559.8
27.5°	529.5	528.9	529.2	530.5	531.4	533.9	534.6	536.8	539.0	541.5	545.0
30°	505.2	504.6	504.3	506.5	507.5	509.3	510.3	514.1	514.7	517.5	520.1
32.5°	473.1	472.8	473.4	475.3	476.2	478.8	480.0	482.2	483.8	485.4	487.9
35°	437.1	436.5	437.1	439.0	439.0	441.2	442.2	443.1	442.8	443.1	442.5
37.5°	403.7	403.4	403.7	404.6	403.7	404.6	403.7	401.8	398.3	394.5	390.8
40°	375.3	375.6	373.7	375.0	371.5	370.9	367.4	362.7	355.8	348.2	337.5
42.5°	345.0	344.1	342.8	343.5	340.6	338.4	332.7	326.7	317.9	305.3	292.4
45°	307.8	307.5	306.9	306.6	304.7	302.5	297.7	290.8	281.0	268.1	252.6
47.5°	271.5	270.6	270.6	270.9	268.7	268.4	264.6	258.6	250.1	237.5	221.4
50°	236.8	236.5	237.2	238.4	236.8	236.2	233.7	229.6	222.0	211.3	196.2
52.5°	205.6	205.3	206.0	207.5	206.9	207.5	205.0	201.9	196.8	186.4	173.1
55°	175.0	175.0	175.0	176.9	176.9	176.9	175.7	173.8	169.0	161.5	149.2
57.5°	143.2	143.5	145.4	145.7	145.4	146.0	145.7	143.8	140.7	135.3	125.8
60°	116.4	116.4	117.3	118.3	118.0	118.3	118.3	117.3	114.2	109.8	102.2
62.5°	92.1	93.0	92.4	93.0	94.3	93.0	92.4	91.8	89.6	86.7	80.4
65°	69.7	70.3	70.3	70.6	70.0	70.3	69.1	68.1	66.9	63.7	59.6
67.5°	53.0	53.0	53.0	53.0	52.7	52.4	52.0	51.1	48.9	47.6	43.2
70°	40.7	38.8	38.8	38.8	38.8	39.1	38.2	36.9	36.3	34.1	30.9
72.5°	27.1	27.8	27.1	27.1	26.5	26.8	25.5	24.9	24.3	23.0	21.1
75°	19.6	18.0	18.6	18.9	18.0	18.6	17.3	16.1	16.1	15.1	14.2
77.5°	12.6	12.3	12.6	12.9	12.6	12.3	11.7	11.0	11.0	10.7	9.8
80°	9.2	8.8	8.8	8.8	8.5	8.8	8.2	8.2	7.6	7.3	6.6
82.5°	6.0	6.0	5.7	6.0	5.7	6.0	5.0	5.0	5.0	4.7	4.1
85°	4.1	3.5	3.5	3.8	3.2	3.8	3.5	3.2	2.8	2.8	2.5
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	1.3	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	642.8	643.1	643.1	644.3	645.0	645.3	645.3	647.8	646.9	647.5	648.1
5°	633.6	635.5	636.1	636.1	639.6	640.9	642.1	645.0	645.3	647.2	649.4
7.5°	624.8	627.0	628.3	631.1	633.3	635.5	639.3	641.2	643.1	645.6	648.4
10°	616.3	618.8	621.3	623.5	627.0	629.8	632.3	636.8	639.0	642.4	646.2
12.5°	608.1	611.5	613.7	617.5	621.3	623.8	627.6	631.7	635.2	638.7	643.1
15°	600.8	604.9	607.4	611.5	615.6	619.1	623.2	628.3	630.8	634.9	639.0
17.5°	592.9	597.3	600.5	604.3	609.3	613.1	616.6	621.6	624.8	629.2	633.9
20°	584.7	589.1	592.9	596.7	601.8	605.5	609.6	614.7	618.2	622.6	626.4
22.5°	575.0	579.1	583.1	587.6	592.6	595.8	600.5	604.9	608.7	612.8	616.6
25°	562.3	567.4	570.5	574.6	578.7	582.2	587.2	591.7	594.8	598.6	602.1
27.5°	547.5	551.3	553.8	557.3	561.4	564.5	568.3	572.7	575.9	579.4	581.9
30°	522.3	525.8	528.0	530.5	534.6	537.4	540.6	544.7	546.9	549.4	551.6
32.5°	489.2	492.0	493.3	495.2	498.0	500.8	503.4	506.8	507.8	509.3	509.3
35°	441.2	441.9	441.5	442.2	443.4	445.0	447.2	449.4	450.7	450.7	449.7
37.5°	385.1	381.3	377.2	374.1	373.1	372.5	373.7	374.7	375.9	376.6	375.0
40°	326.7	318.2	309.1	300.9	295.2	292.7	291.7	292.4	292.4	294.6	294.6
42.5°	276.6	263.3	249.8	237.5	229.3	223.0	220.1	220.1	220.5	222.0	223.0
45°	235.0	218.2	202.5	188.9	177.6	169.4	165.6	164.6	164.3	164.9	167.2
47.5°	203.1	185.8	169.4	152.7	140.7	132.5	129.0	127.7	126.5	127.7	128.1
50°	178.2	160.2	142.9	126.2	113.5	106.3	101.9	100.0	99.7	99.7	100.3
52.5°	155.5	138.8	121.4	104.4	91.1	84.2	80.1	79.2	77.9	79.2	79.2
55°	134.0	117.3	100.3	84.2	73.2	65.9	62.1	60.9	60.2	61.2	61.2
57.5°	110.7	96.5	80.7	66.2	55.2	50.1	47.3	45.7	45.4	46.0	45.4
60°	90.8	78.9	65.3	52.0	43.5	38.2	36.0	35.3	34.7	35.3	35.3
62.5°	71.9	61.8	50.8	40.7	33.4	29.6	27.1	27.1	26.8	26.8	27.1
65°	53.3	45.4	37.5	29.0	23.3	20.5	18.6	18.6	18.3	18.6	18.3
67.5°	38.8	33.4	27.1	21.1	16.7	15.1	13.9	12.9	13.6	12.9	12.6
70°	28.4	24.0	19.6	16.1	12.9	11.4	10.4	10.1	9.5	9.5	9.5
72.5°	18.9	16.1	13.2	10.4	8.5	6.9	6.6	6.0	5.4	5.7	6.3
75°	12.6	10.7	9.5	7.6	5.7	5.7	3.8	3.8	3.2	3.8	2.8
77.5°	8.8	7.3	5.7	4.7	3.8	3.5	2.5	2.5	2.2	2.2	2.2
80°	6.3	5.4	4.1	3.5	2.5	2.5	2.2	1.9	1.6	1.6	1.9
82.5°	3.8	2.8	2.8	2.5	1.6	1.3	0.9	1.3	0.6	0.6	0.6
85°	2.2	1.9	1.6	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.6	0.6	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.6
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°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	649.7	649.4	650.0	650.0	651.9	651.6	652.5	652.5	651.9	652.2	653.5
5°	651.9	652.9	654.7	656.3	659.2	660.4	662.0	663.6	663.9	664.8	665.8
7.5°	651.9	655.1	657.3	660.1	663.9	666.1	669.6	672.4	673.7	675.2	677.1
10°	650.6	653.8	657.9	661.0	665.8	669.3	672.7	677.1	679.0	681.5	684.1
12.5°	648.1	651.6	656.0	660.1	665.5	668.6	673.0	677.1	680.0	683.4	686.3
15°	644.3	648.4	652.5	656.6	662.3	666.1	670.2	674.9	677.8	681.5	684.1
17.5°	638.3	642.8	646.5	650.3	655.7	660.1	663.9	668.3	671.1	674.3	677.8
20°	631.1	635.2	639.3	642.4	647.8	651.6	655.7	659.8	662.0	662.6	668.0
22.5°	621.9	624.8	627.9	633.0	636.1	639.6	643.4	647.2	649.4	652.9	654.7
25°	606.8	609.6	613.1	615.3	619.1	621.9	625.7	629.8	631.1	633.6	635.5
27.5°	585.7	587.2	588.8	590.7	592.9	594.5	596.7	598.6	599.9	601.1	602.4
30°	552.2	552.2	552.2	551.0	551.9	552.9	553.2	552.9	552.9	552.6	552.6
32.5°	508.1	505.6	502.7	500.2	499.3	498.0	497.4	496.4	494.8	493.9	494.2
35°	448.5	442.8	439.3	436.2	433.7	431.8	430.8	429.9	429.6	428.3	427.0
37.5°	374.1	369.9	367.4	365.5	363.3	361.4	361.7	362.1	363.0	362.4	362.7
40°	295.2	294.3	295.2	293.0	292.4	293.0	294.6	296.8	298.0	299.3	301.5
42.5°	224.6	226.1	228.3	228.3	229.3	230.6	232.4	235.9	237.8	240.0	242.5
45°	169.0	170.9	173.8	174.7	175.4	176.9	179.1	182.0	183.2	185.1	187.3
47.5°	130.3	131.5	133.1	134.7	136.2	136.9	139.1	139.1	140.7	141.9	142.6
50°	101.6	102.8	104.1	105.0	105.7	106.6	107.2	108.2	108.5	109.1	109.4
52.5°	79.5	81.1	81.1	81.7	82.6	83.6	83.3	83.6	83.9	83.9	84.8
55°	62.1	62.1	63.1	63.1	63.7	63.4	63.7	63.7	63.7	63.7	64.0
57.5°	46.4	46.7	47.6	47.0	46.7	47.3	46.7	47.3	47.0	47.6	46.7
60°	35.6	35.6	36.0	36.0	36.3	36.3	36.3	36.0	36.0	35.6	35.6
62.5°	26.8	27.1	27.4	27.1	27.1	27.1	26.8	26.8	26.5	26.2	26.2
65°	18.0	17.7	18.3	17.7	18.0	18.0	17.7	18.0	17.0	17.3	17.0
67.5°	12.9	12.6	12.3	12.6	12.3	12.0	12.0	12.3	12.6	11.7	11.7
70°	8.5	8.8	8.5	8.8	9.2	9.2	8.8	8.5	8.8	8.2	8.5
72.5°	5.4	5.4	5.4	5.4	5.4	5.7	5.7	5.7	5.0	5.0	4.7
75°	2.5	3.5	2.8	2.5	3.5	3.5	3.2	3.2	2.8	2.8	2.8
77.5°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6
80°	1.3	1.3	1.3	0.9	1.3	1.3	1.6	1.3	1.3	0.9	1.6
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	0.3
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





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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	653.2	652.9	653.2	653.5	653.2	652.9	653.2	653.5	652.2	651.9	652.5
5°	667.0	667.0	667.7	668.0	667.7	667.0	667.0	665.8	664.8	663.9	663.6
7.5°	679.0	679.7	680.3	680.6	680.3	679.7	679.0	677.1	675.2	673.7	672.4
10°	686.3	687.2	688.5	689.1	688.5	687.2	686.3	684.1	681.5	679.0	677.1
12.5°	689.4	690.4	692.0	691.6	692.0	690.4	689.4	686.3	683.4	680.0	677.1
15°	687.2	688.5	690.1	690.7	690.1	688.5	687.2	684.1	681.5	677.8	674.9
17.5°	680.3	682.2	683.1	684.1	683.1	682.2	680.3	677.8	674.3	671.1	668.3
20°	670.8	672.1	673.4	673.7	673.4	672.1	670.8	668.0	662.6	662.0	659.8
22.5°	657.3	658.2	661.0	660.1	661.0	658.2	657.3	654.7	652.9	649.4	647.2
25°	637.7	638.7	639.0	639.3	639.0	638.7	637.7	635.5	633.6	631.1	629.8
27.5°	604.0	604.0	604.6	604.9	604.6	604.0	604.0	602.4	601.1	599.9	598.6
30°	552.9	552.9	552.9	554.5	552.9	552.9	552.9	552.6	552.6	552.9	552.9
32.5°	493.9	493.3	492.6	493.3	492.6	493.3	493.9	494.2	493.9	494.8	496.4
35°	427.0	426.7	427.7	426.4	427.7	426.7	427.0	427.0	428.3	429.6	429.9
37.5°	363.0	362.4	363.6	362.4	363.6	362.4	363.0	362.7	362.4	363.0	362.1
40°	302.1	302.8	302.8	305.3	302.8	302.8	302.1	301.5	299.3	298.0	296.8
42.5°	243.8	245.7	245.1	246.9	245.1	245.7	243.8	242.5	240.0	237.8	235.9
45°	188.6	189.9	189.9	190.5	189.9	189.9	188.6	187.3	185.1	183.2	182.0
47.5°	144.8	144.8	144.8	145.1	144.8	144.8	144.8	142.6	141.9	140.7	139.1
50°	110.1	110.4	110.7	111.0	110.7	110.4	110.1	109.4	109.1	108.5	108.2
52.5°	84.5	84.8	84.2	84.8	84.2	84.8	84.5	84.8	83.9	83.9	83.6
55°	64.0	63.7	64.0	64.3	64.0	63.7	64.0	64.0	63.7	63.7	63.7
57.5°	47.0	46.4	46.4	46.4	46.4	46.4	47.0	46.7	47.6	47.0	47.3
60°	35.0	35.3	35.3	35.6	35.3	35.3	35.0	35.6	35.6	36.0	36.0
62.5°	25.9	26.8	26.2	26.8	26.2	26.8	25.9	26.2	26.2	26.5	26.8
65°	16.7	16.7	16.7	17.0	16.7	16.7	16.7	17.0	17.3	17.0	18.0
67.5°	11.4	11.7	12.3	12.0	12.3	11.7	11.4	11.7	11.7	12.6	12.3
70°	9.2	8.2	8.2	9.2	8.2	8.2	9.2	8.5	8.2	8.8	8.5
72.5°	5.4	4.7	5.4	5.4	5.4	4.7	5.4	4.7	5.0	5.0	5.7
75°	2.8	2.5	2.2	3.2	2.2	2.5	2.8	2.8	2.8	2.8	3.2
77.5°	1.9	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	0.9	1.3	0.9	1.6	0.9	1.3	0.9	1.6	0.9	1.3	1.3
82.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.3	0.0	0.0	0.3	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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	652.5	651.6	651.9	650.0	650.0	649.4	649.7	648.1	647.5	646.9	647.8
5°	662.0	660.4	659.2	656.3	654.7	652.9	651.9	649.4	647.2	645.3	645.0
7.5°	669.6	666.1	663.9	660.1	657.3	655.1	651.9	648.4	645.6	643.1	641.2
10°	672.7	669.3	665.8	661.0	657.9	653.8	650.6	646.2	642.4	639.0	636.8
12.5°	673.0	668.6	665.5	660.1	656.0	651.6	648.1	643.1	638.7	635.2	631.7
15°	670.2	666.1	662.3	656.6	652.5	648.4	644.3	639.0	634.9	630.8	628.3
17.5°	663.9	660.1	655.7	650.3	646.5	642.8	638.3	633.9	629.2	624.8	621.6
20°	655.7	651.6	647.8	642.4	639.3	635.2	631.1	626.4	622.6	618.2	614.7
22.5°	643.4	639.6	636.1	633.0	627.9	624.8	621.9	616.6	612.8	608.7	604.9
25°	625.7	621.9	619.1	615.3	613.1	609.6	606.8	602.1	598.6	594.8	591.7
27.5°	596.7	594.5	592.9	590.7	588.8	587.2	585.7	581.9	579.4	575.9	572.7
30°	553.2	552.9	551.9	551.0	552.2	552.2	552.2	551.6	549.4	546.9	544.7
32.5°	497.4	498.0	499.3	500.2	502.7	505.6	508.1	509.3	509.3	507.8	506.8
35°	430.8	431.8	433.7	436.2	439.3	442.8	448.5	449.7	450.7	450.7	449.4
37.5°	361.7	361.4	363.3	365.5	367.4	369.9	374.1	375.0	376.6	375.9	374.7
40°	294.6	293.0	292.4	293.0	295.2	294.3	295.2	294.6	294.6	292.4	292.4
42.5°	232.4	230.6	229.3	228.3	228.3	226.1	224.6	223.0	222.0	220.5	220.1
45°	179.1	176.9	175.4	174.7	173.8	170.9	169.0	167.2	164.9	164.3	164.6
47.5°	139.1	136.9	136.2	134.7	133.1	131.5	130.3	128.1	127.7	126.5	127.7
50°	107.2	106.6	105.7	105.0	104.1	102.8	101.6	100.3	99.7	99.7	100.0
52.5°	83.3	83.6	82.6	81.7	81.1	81.1	79.5	79.2	79.2	77.9	79.2
55°	63.7	63.4	63.7	63.1	63.1	62.1	62.1	61.2	61.2	60.2	60.9
57.5°	46.7	47.3	46.7	47.0	47.6	46.7	46.4	45.4	46.0	45.4	45.7
60°	36.3	36.3	36.3	36.0	36.0	35.6	35.6	35.3	35.3	34.7	35.3
62.5°	26.8	27.1	27.1	27.1	27.4	27.1	26.8	27.1	26.8	26.8	27.1
65°	17.7	18.0	18.0	17.7	18.3	17.7	18.0	18.3	18.6	18.3	18.6
67.5°	12.0	12.0	12.3	12.6	12.3	12.6	12.9	12.6	12.9	13.6	12.9
70°	8.8	9.2	9.2	8.8	8.5	8.8	8.5	9.5	9.5	9.5	10.1
72.5°	5.7	5.7	5.4	5.4	5.4	5.4	5.4	6.3	5.7	5.4	6.0
75°	3.2	3.5	3.5	2.5	2.8	3.5	2.5	2.8	3.8	3.2	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.2	2.2	2.2	2.5
80°	1.6	1.3	1.3	0.9	1.3	1.3	1.3	1.9	1.6	1.6	1.9
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	645.3	645.3	645.0	644.3	643.1	643.1	642.8	641.8	641.2	640.9	640.9
5°	642.1	640.9	639.6	636.1	636.1	635.5	633.6	632.3	631.7	630.1	629.5
7.5°	639.3	635.5	633.3	631.1	628.3	627.0	624.8	623.8	621.6	620.1	619.1
10°	632.3	629.8	627.0	623.5	621.3	618.8	616.3	614.4	611.5	610.0	608.7
12.5°	627.6	623.8	621.3	617.5	613.7	611.5	608.1	605.9	603.0	599.9	598.0
15°	623.2	619.1	615.6	611.5	607.4	604.9	600.8	598.3	594.2	591.0	588.8
17.5°	616.6	613.1	609.3	604.3	600.5	597.3	592.9	589.8	586.0	581.9	579.7
20°	609.6	605.5	601.8	596.7	592.9	589.1	584.7	581.3	576.8	573.1	570.5
22.5°	600.5	595.8	592.6	587.6	583.1	579.1	575.0	570.9	566.7	563.6	560.8
25°	587.2	582.2	578.7	574.6	570.5	567.4	562.3	559.8	555.7	552.9	550.0
27.5°	568.3	564.5	561.4	557.3	553.8	551.3	547.5	545.0	541.5	539.0	536.8
30°	540.6	537.4	534.6	530.5	528.0	525.8	522.3	520.1	517.5	514.7	514.1
32.5°	503.4	500.8	498.0	495.2	493.3	492.0	489.2	487.9	485.4	483.8	482.2
35°	447.2	445.0	443.4	442.2	441.5	441.9	441.2	442.5	443.1	442.8	443.1
37.5°	373.7	372.5	373.1	374.1	377.2	381.3	385.1	390.8	394.5	398.3	401.8
40°	291.7	292.7	295.2	300.9	309.1	318.2	326.7	337.5	348.2	355.8	362.7
42.5°	220.1	223.0	229.3	237.5	249.8	263.3	276.6	292.4	305.3	317.9	326.7
45°	165.6	169.4	177.6	188.9	202.5	218.2	235.0	252.6	268.1	281.0	290.8
47.5°	129.0	132.5	140.7	152.7	169.4	185.8	203.1	221.4	237.5	250.1	258.6
50°	101.9	106.3	113.5	126.2	142.9	160.2	178.2	196.2	211.3	222.0	229.6
52.5°	80.1	84.2	91.1	104.4	121.4	138.8	155.5	173.1	186.4	196.8	201.9
55°	62.1	65.9	73.2	84.2	100.3	117.3	134.0	149.2	161.5	169.0	173.8
57.5°	47.3	50.1	55.2	66.2	80.7	96.5	110.7	125.8	135.3	140.7	143.8
60°	36.0	38.2	43.5	52.0	65.3	78.9	90.8	102.2	109.8	114.2	117.3
62.5°	27.1	29.6	33.4	40.7	50.8	61.8	71.9	80.4	86.7	89.6	91.8
65°	18.6	20.5	23.3	29.0	37.5	45.4	53.3	59.6	63.7	66.9	68.1
67.5°	13.9	15.1	16.7	21.1	27.1	33.4	38.8	43.2	47.6	48.9	51.1
70°	10.4	11.4	12.9	16.1	19.6	24.0	28.4	30.9	34.1	36.3	36.9
72.5°	6.6	6.9	8.5	10.4	13.2	16.1	18.9	21.1	23.0	24.3	24.9
75°	3.8	5.7	5.7	7.6	9.5	10.7	12.6	14.2	15.1	16.1	16.1
77.5°	2.5	3.5	3.8	4.7	5.7	7.3	8.8	9.8	10.7	11.0	11.0
80°	2.2	2.5	2.5	3.5	4.1	5.4	6.3	6.6	7.3	7.6	8.2
82.5°	0.9	1.3	1.6	2.5	2.8	2.8	3.8	4.1	4.7	5.0	5.0
85°	0.3	0.6	0.6	0.9	1.6	1.9	2.2	2.5	2.8	2.8	3.2
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.3	1.3	1.3	1.9	1.9
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: P245941

CATALOG NUMBER: LSR8B15D010 EC8B15950 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	645.9	645.9	645.9	645.9	645.9	645.9	645.9
2.5°	640.2	640.5	639.3	639.0	638.3	638.7	639.3
5°	628.6	628.9	627.6	626.4	626.4	626.0	626.4
7.5°	617.5	617.8	615.9	615.3	614.1	614.4	614.4
10°	606.5	606.5	603.7	603.3	602.4	602.1	602.1
12.5°	595.8	594.8	592.6	591.3	592.0	590.1	590.1
15°	586.3	584.7	581.9	580.9	579.4	578.7	578.7
17.5°	576.5	575.3	572.7	570.9	569.0	568.6	569.0
20°	567.1	565.8	562.6	561.4	559.8	559.8	559.2
22.5°	557.6	556.3	553.5	552.6	550.4	550.4	550.7
25°	547.8	546.9	543.7	543.1	542.8	541.5	542.1
27.5°	534.6	533.9	531.4	530.5	529.2	528.9	529.5
30°	510.3	509.3	507.5	506.5	504.3	504.6	505.2
32.5°	480.0	478.8	476.2	475.3	473.4	472.8	473.1
35°	442.2	441.2	439.0	439.0	437.1	436.5	437.1
37.5°	403.7	404.6	403.7	404.6	403.7	403.4	403.7
40°	367.4	370.9	371.5	375.0	373.7	375.6	375.3
42.5°	332.7	338.4	340.6	343.5	342.8	344.1	345.0
45°	297.7	302.5	304.7	306.6	306.9	307.5	307.8
47.5°	264.6	268.4	268.7	270.9	270.6	270.6	271.5
50°	233.7	236.2	236.8	238.4	237.2	236.5	236.8
52.5°	205.0	207.5	206.9	207.5	206.0	205.3	205.6
55°	175.7	176.9	176.9	176.9	175.0	175.0	175.0
57.5°	145.7	146.0	145.4	145.7	145.4	143.5	143.2
60°	118.3	118.3	118.0	118.3	117.3	116.4	116.4
62.5°	92.4	93.0	94.3	93.0	92.4	93.0	92.1
65°	69.1	70.3	70.0	70.6	70.3	70.3	69.7
67.5°	52.0	52.4	52.7	53.0	53.0	53.0	53.0
70°	38.2	39.1	38.8	38.8	38.8	38.8	40.7
72.5°	25.5	26.8	26.5	27.1	27.1	27.8	27.1
75°	17.3	18.6	18.0	18.9	18.6	18.0	19.6
77.5°	11.7	12.3	12.6	12.9	12.6	12.3	12.6
80°	8.2	8.8	8.5	8.8	8.8	8.8	9.2
82.5°	5.0	6.0	5.7	6.0	5.7	6.0	6.0
85°	3.5	3.8	3.2	3.8	3.5	3.5	4.1
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)