

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: P244585

Luminaire Tested: **LSR8B15D010 EC8B159730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244585
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 EC8B159730 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.0 lumens
Efficiency: N/A
Efficacy: 79.0 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

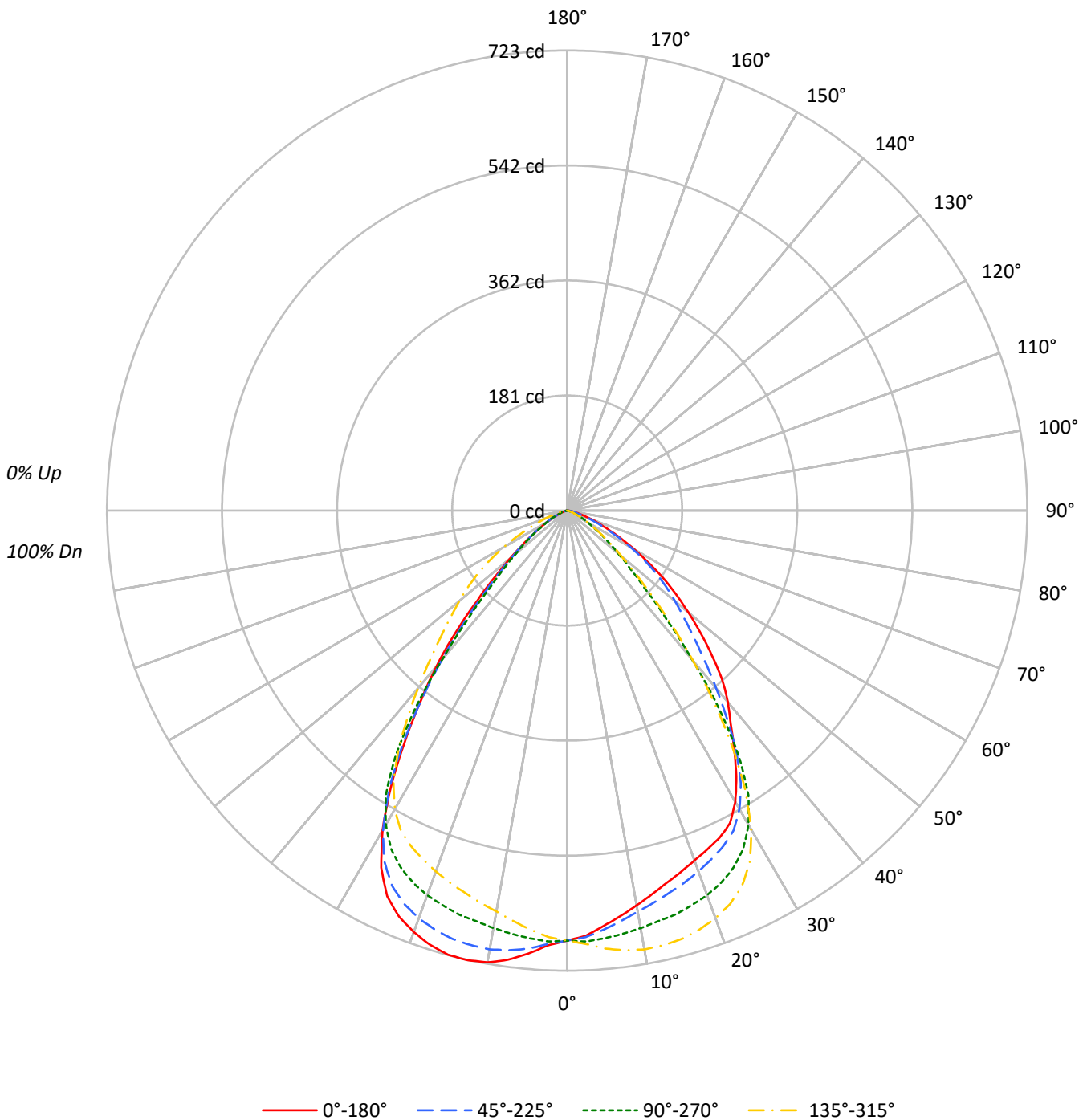
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	64.3	5.7
10°-20°	186.2	16.4
20°-30°	282.0	24.8
30°-40°	282.6	24.8
40°-50°	177.5	15.6
50°-60°	94.6	8.3
60°-70°	38.9	3.4
70°-80°	10.3	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°	532.5	46.8
0°-40°	815.1	71.6
0°-60°	1087.1	95.5
0°-90°	1138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	676	676	676	676	676	
5°	655	675	699	675	655	62
15°	605	657	722	657	605	171
25°	567	619	669	619	567	260
35°	457	470	446	470	457	286
45°	322	172	199	172	322	248
55°	183	64	67	64	183	163
65°	73	20	18	20	73	76
75°	20	4	3	4	20	23
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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	668.7	668.0	667.7	668.3	668.7	670.0	669.7	670.3	670.3	670.7	671.3
5°	655.1	654.8	655.1	655.1	656.5	657.8	657.5	658.4	659.1	660.8	661.4
7.5°	642.6	642.6	642.3	643.6	644.3	646.2	645.9	647.6	648.5	650.2	652.5
10°	629.7	629.7	630.1	631.1	631.4	634.4	634.4	636.7	638.0	639.6	642.6
12.5°	617.2	617.2	619.2	618.5	619.8	622.2	623.1	625.5	627.4	630.7	633.7
15°	605.3	605.3	606.0	607.6	608.6	611.6	613.2	615.9	618.2	621.5	625.8
17.5°	595.1	594.8	595.1	597.1	599.1	601.7	603.0	606.3	608.6	612.9	616.9
20°	584.9	585.5	585.5	587.2	588.5	591.8	593.1	596.8	599.4	603.3	608.0
22.5°	576.0	575.6	575.6	578.0	578.9	581.9	583.2	586.5	589.5	592.8	597.1
25°	567.1	566.4	567.7	568.1	568.7	572.0	573.0	575.3	578.3	581.3	585.5
27.5°	553.9	553.2	553.5	554.9	555.8	558.5	559.1	561.5	563.8	566.4	570.0
30°	528.5	527.8	527.5	529.8	530.8	532.8	533.7	537.7	538.4	541.3	544.0
32.5°	494.8	494.5	495.2	497.1	498.1	500.8	502.1	504.4	506.0	507.7	510.3
35°	457.2	456.6	457.2	459.2	459.2	461.5	462.5	463.5	463.2	463.5	462.8
37.5°	422.3	421.9	422.3	423.2	422.3	423.2	422.3	420.3	416.6	412.7	408.7
40°	392.6	392.9	390.9	392.2	388.6	387.9	384.3	379.4	372.1	364.2	353.0
42.5°	360.9	359.9	358.6	359.2	356.3	354.0	348.0	341.8	332.5	319.3	305.8
45°	322.0	321.6	321.0	320.6	318.7	316.4	311.4	304.2	293.9	280.4	264.2
47.5°	284.0	283.0	283.0	283.4	281.1	280.7	276.8	270.5	261.6	248.4	231.6
50°	247.7	247.4	248.1	249.4	247.7	247.1	244.4	240.2	232.2	221.0	205.2
52.5°	215.1	214.8	215.4	217.1	216.4	217.1	214.4	211.1	205.8	195.0	181.1
55°	183.1	183.1	183.1	185.1	185.1	185.1	183.7	181.8	176.8	168.9	156.0
57.5°	149.8	150.1	152.1	152.4	152.1	152.7	152.4	150.4	147.1	141.5	131.6
60°	121.7	121.7	122.7	123.7	123.4	123.7	123.7	122.7	119.4	114.8	106.9
62.5°	96.3	97.3	96.6	97.3	98.6	97.3	96.6	96.0	93.7	90.7	84.1
65°	72.9	73.6	73.6	73.9	73.2	73.6	72.2	71.3	69.9	66.6	62.4
67.5°	55.4	55.4	55.4	55.4	55.1	54.8	54.4	53.4	51.1	49.8	45.2
70°	42.6	40.6	40.6	40.6	40.6	40.9	39.9	38.6	37.9	35.6	32.3
72.5°	28.4	29.0	28.4	28.4	27.7	28.0	26.7	26.1	25.4	24.1	22.1
75°	20.4	18.8	19.5	19.8	18.8	19.5	18.1	16.8	16.8	15.8	14.8
77.5°	13.2	12.9	13.2	13.5	13.2	12.9	12.2	11.5	11.5	11.2	10.2
80°	9.6	9.2	9.2	9.2	8.9	9.2	8.6	8.6	7.9	7.6	6.9
82.5°	6.3	6.3	5.9	6.3	5.9	6.3	5.3	5.3	5.3	4.9	4.3
85°	4.3	3.6	3.6	4.0	3.3	4.0	3.6	3.3	3.0	3.0	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	672.3	672.6	672.6	674.0	674.6	674.9	674.9	677.6	676.6	677.3	677.9
5°	662.7	664.7	665.4	665.4	669.0	670.3	671.6	674.6	674.9	676.9	679.2
7.5°	653.5	655.8	657.1	660.1	662.4	664.7	668.7	670.7	672.6	675.3	678.2
10°	644.6	647.2	649.9	652.2	655.8	658.8	661.4	666.0	668.3	672.0	675.9
12.5°	636.0	639.6	641.9	645.9	649.9	652.5	656.5	660.8	664.4	668.0	672.6
15°	628.4	632.7	635.3	639.6	643.9	647.6	651.8	657.1	659.8	664.1	668.3
17.5°	620.2	624.8	628.1	632.0	637.3	641.3	644.9	650.2	653.5	658.1	663.1
20°	611.6	616.2	620.2	624.1	629.4	633.4	637.7	642.9	646.6	651.2	655.1
22.5°	601.4	605.7	609.9	614.6	619.8	623.1	628.1	632.7	636.7	641.0	644.9
25°	588.2	593.5	596.8	601.0	605.3	609.0	614.2	618.9	622.2	626.1	629.7
27.5°	572.7	576.6	579.3	582.9	587.2	590.5	594.4	599.1	602.4	606.0	608.6
30°	546.3	549.9	552.2	554.9	559.1	562.1	565.4	569.7	572.0	574.7	577.0
32.5°	511.6	514.6	515.9	517.9	520.9	523.8	526.5	530.1	531.1	532.8	532.8
35°	461.5	462.2	461.8	462.5	463.8	465.5	467.8	470.1	471.4	471.4	470.4
37.5°	402.8	398.8	394.5	391.2	390.2	389.6	390.9	391.9	393.2	393.9	392.2
40°	341.8	332.9	323.3	314.7	308.8	306.1	305.1	305.8	305.8	308.1	308.1
42.5°	289.3	275.4	261.3	248.4	239.8	233.2	230.3	230.3	230.6	232.2	233.2
45°	245.8	228.3	211.8	197.6	185.7	177.1	173.2	172.2	171.9	172.5	174.8
47.5°	212.4	194.3	177.1	159.7	147.1	138.6	134.9	133.6	132.3	133.6	133.9
50°	186.4	167.6	149.4	132.0	118.8	111.2	106.5	104.6	104.2	104.2	104.9
52.5°	162.6	145.2	127.0	109.2	95.3	88.1	83.8	82.8	81.5	82.8	82.8
55°	140.2	122.7	104.9	88.1	76.5	68.9	65.0	63.7	63.0	64.0	64.0
57.5°	115.8	100.9	84.5	69.3	57.7	52.5	49.5	47.8	47.5	48.2	47.5
60°	95.0	82.5	68.3	54.4	45.5	39.9	37.6	36.9	36.3	36.9	36.9
62.5°	75.2	64.7	53.1	42.6	35.0	31.0	28.4	28.4	28.0	28.0	28.4
65°	55.8	47.5	39.3	30.3	24.4	21.4	19.5	19.5	19.1	19.5	19.1
67.5°	40.6	35.0	28.4	22.1	17.5	15.8	14.5	13.5	14.2	13.5	13.2
70°	29.7	25.1	20.4	16.8	13.5	11.9	10.9	10.6	9.9	9.9	9.9
72.5°	19.8	16.8	13.8	10.9	8.9	7.3	6.9	6.3	5.6	5.9	6.6
75°	13.2	11.2	9.9	7.9	5.9	5.9	4.0	4.0	3.3	4.0	3.0
77.5°	9.2	7.6	5.9	4.9	4.0	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	4.0	3.0	3.0	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.7
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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	679.6	679.2	679.9	679.9	681.9	681.5	682.5	682.5	681.9	682.2	683.5
5°	681.9	682.9	684.8	686.5	689.4	690.8	692.4	694.1	694.4	695.4	696.4
7.5°	681.9	685.2	687.5	690.4	694.4	696.7	700.3	703.3	704.6	706.3	708.3
10°	680.5	683.8	688.1	691.4	696.4	700.0	703.6	708.3	710.2	712.9	715.5
12.5°	677.9	681.5	686.1	690.4	696.0	699.3	704.0	708.3	711.2	714.8	717.8
15°	674.0	678.2	682.5	686.8	692.7	696.7	701.0	705.9	708.9	712.9	715.5
17.5°	667.7	672.3	676.3	680.2	685.8	690.4	694.4	699.0	702.0	705.3	708.9
20°	660.1	664.4	668.7	672.0	677.6	681.5	685.8	690.1	692.4	693.1	698.7
22.5°	650.5	653.5	656.8	662.1	665.4	669.0	673.0	676.9	679.2	682.9	684.8
25°	634.7	637.7	641.3	643.6	647.6	650.5	654.5	658.8	660.1	662.7	664.7
27.5°	612.6	614.2	615.9	617.9	620.2	621.8	624.1	626.1	627.4	628.7	630.1
30°	577.6	577.6	577.6	576.3	577.3	578.3	578.6	578.3	578.3	578.0	578.0
32.5°	531.4	528.8	525.8	523.2	522.2	520.9	520.2	519.2	517.6	516.6	516.9
35°	469.1	463.2	459.5	456.2	453.6	451.6	450.6	449.6	449.3	448.0	446.7
37.5°	391.2	387.0	384.3	382.3	380.0	378.0	378.4	378.7	379.7	379.0	379.4
40°	308.8	307.8	308.8	306.5	305.8	306.5	308.1	310.4	311.7	313.1	315.4
42.5°	234.9	236.5	238.8	238.8	239.8	241.1	243.1	246.8	248.7	251.0	253.7
45°	176.8	178.8	181.8	182.7	183.4	185.1	187.4	190.3	191.7	193.6	195.9
47.5°	136.2	137.6	139.2	140.9	142.5	143.2	145.5	145.5	147.1	148.4	149.1
50°	106.2	107.5	108.9	109.8	110.5	111.5	112.2	113.1	113.5	114.1	114.5
52.5°	83.1	84.8	84.8	85.4	86.4	87.4	87.1	87.4	87.7	87.7	88.7
55°	65.0	65.0	66.0	66.0	66.6	66.3	66.6	66.6	66.6	66.6	67.0
57.5°	48.5	48.8	49.8	49.2	48.8	49.5	48.8	49.5	49.2	49.8	48.8
60°	37.3	37.3	37.6	37.6	37.9	37.9	37.9	37.6	37.6	37.3	37.3
62.5°	28.0	28.4	28.7	28.4	28.4	28.4	28.0	28.0	27.7	27.4	27.4
65°	18.8	18.5	19.1	18.5	18.8	18.8	18.5	18.8	17.8	18.1	17.8
67.5°	13.5	13.2	12.9	13.2	12.9	12.5	12.5	12.9	13.2	12.2	12.2
70°	8.9	9.2	8.9	9.2	9.6	9.6	9.2	8.9	9.2	8.6	8.9
72.5°	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9	5.3	5.3	4.9
75°	2.6	3.6	3.0	2.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	683.2	682.9	683.2	683.5	683.2	682.9	683.2	683.5	682.2	681.9	682.5
5°	697.7	697.7	698.4	698.7	698.4	697.7	697.7	696.4	695.4	694.4	694.1
7.5°	710.2	710.9	711.5	711.9	711.5	710.9	710.2	708.3	706.3	704.6	703.3
10°	717.8	718.8	720.1	720.8	720.1	718.8	717.8	715.5	712.9	710.2	708.3
12.5°	721.1	722.1	723.8	723.4	723.8	722.1	721.1	717.8	714.8	711.2	708.3
15°	718.8	720.1	721.8	722.4	721.8	720.1	718.8	715.5	712.9	708.9	705.9
17.5°	711.5	713.5	714.5	715.5	714.5	713.5	711.5	708.9	705.3	702.0	699.0
20°	701.7	703.0	704.3	704.6	704.3	703.0	701.7	698.7	693.1	692.4	690.1
22.5°	687.5	688.5	691.4	690.4	691.4	688.5	687.5	684.8	682.9	679.2	676.9
25°	667.0	668.0	668.3	668.7	668.3	668.0	667.0	664.7	662.7	660.1	658.8
27.5°	631.7	631.7	632.4	632.7	632.4	631.7	631.7	630.1	628.7	627.4	626.1
30°	578.3	578.3	578.3	579.9	578.3	578.3	578.3	578.0	578.0	578.3	578.3
32.5°	516.6	515.9	515.3	515.9	515.3	515.9	516.6	516.9	516.6	517.6	519.2
35°	446.7	446.3	447.3	446.0	447.3	446.3	446.7	446.7	448.0	449.3	449.6
37.5°	379.7	379.0	380.4	379.0	380.4	379.0	379.7	379.4	379.0	379.7	378.7
40°	316.0	316.7	316.7	319.3	316.7	316.7	316.0	315.4	313.1	311.7	310.4
42.5°	255.0	257.0	256.3	258.3	256.3	257.0	255.0	253.7	251.0	248.7	246.8
45°	197.3	198.6	198.6	199.2	198.6	198.6	197.3	195.9	193.6	191.7	190.3
47.5°	151.4	151.4	151.4	151.7	151.4	151.4	151.4	149.1	148.4	147.1	145.5
50°	115.1	115.5	115.8	116.1	115.8	115.5	115.1	114.5	114.1	113.5	113.1
52.5°	88.4	88.7	88.1	88.7	88.1	88.7	88.4	88.7	87.7	87.7	87.4
55°	67.0	66.6	67.0	67.3	67.0	66.6	67.0	67.0	66.6	66.6	66.6
57.5°	49.2	48.5	48.5	48.5	48.5	48.5	49.2	48.8	49.8	49.2	49.5
60°	36.6	36.9	36.9	37.3	36.9	36.9	36.6	37.3	37.3	37.6	37.6
62.5°	27.0	28.0	27.4	28.0	27.4	28.0	27.0	27.4	27.4	27.7	28.0
65°	17.5	17.5	17.5	17.8	17.5	17.5	17.5	17.8	18.1	17.8	18.8
67.5°	11.9	12.2	12.9	12.5	12.9	12.2	11.9	12.2	12.2	13.2	12.9
70°	9.6	8.6	8.6	9.6	8.6	8.6	9.6	8.9	8.6	9.2	8.9
72.5°	5.6	4.9	5.6	5.6	5.6	4.9	5.6	4.9	5.3	5.3	5.9
75°	3.0	2.6	2.3	3.3	2.3	2.6	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	682.5	681.5	681.9	679.9	679.9	679.2	679.6	677.9	677.3	676.6	677.6
5°	692.4	690.8	689.4	686.5	684.8	682.9	681.9	679.2	676.9	674.9	674.6
7.5°	700.3	696.7	694.4	690.4	687.5	685.2	681.9	678.2	675.3	672.6	670.7
10°	703.6	700.0	696.4	691.4	688.1	683.8	680.5	675.9	672.0	668.3	666.0
12.5°	704.0	699.3	696.0	690.4	686.1	681.5	677.9	672.6	668.0	664.4	660.8
15°	701.0	696.7	692.7	686.8	682.5	678.2	674.0	668.3	664.1	659.8	657.1
17.5°	694.4	690.4	685.8	680.2	676.3	672.3	667.7	663.1	658.1	653.5	650.2
20°	685.8	681.5	677.6	672.0	668.7	664.4	660.1	655.1	651.2	646.6	642.9
22.5°	673.0	669.0	665.4	662.1	656.8	653.5	650.5	644.9	641.0	636.7	632.7
25°	654.5	650.5	647.6	643.6	641.3	637.7	634.7	629.7	626.1	622.2	618.9
27.5°	624.1	621.8	620.2	617.9	615.9	614.2	612.6	608.6	606.0	602.4	599.1
30°	578.6	578.3	577.3	576.3	577.6	577.6	577.6	577.0	574.7	572.0	569.7
32.5°	520.2	520.9	522.2	523.2	525.8	528.8	531.4	532.8	532.8	531.1	530.1
35°	450.6	451.6	453.6	456.2	459.5	463.2	469.1	470.4	471.4	471.4	470.1
37.5°	378.4	378.0	380.0	382.3	384.3	387.0	391.2	392.2	393.9	393.2	391.9
40°	308.1	306.5	305.8	306.5	308.8	307.8	308.8	308.1	308.1	305.8	305.8
42.5°	243.1	241.1	239.8	238.8	238.8	236.5	234.9	233.2	232.2	230.6	230.3
45°	187.4	185.1	183.4	182.7	181.8	178.8	176.8	174.8	172.5	171.9	172.2
47.5°	145.5	143.2	142.5	140.9	139.2	137.6	136.2	133.9	133.6	132.3	133.6
50°	112.2	111.5	110.5	109.8	108.9	107.5	106.2	104.9	104.2	104.2	104.6
52.5°	87.1	87.4	86.4	85.4	84.8	84.8	83.1	82.8	82.8	81.5	82.8
55°	66.6	66.3	66.6	66.0	66.0	65.0	65.0	64.0	64.0	63.0	63.7
57.5°	48.8	49.5	48.8	49.2	49.8	48.8	48.5	47.5	48.2	47.5	47.8
60°	37.9	37.9	37.9	37.6	37.6	37.3	37.3	36.9	36.9	36.3	36.9
62.5°	28.0	28.4	28.4	28.4	28.7	28.4	28.0	28.4	28.0	28.0	28.4
65°	18.5	18.8	18.8	18.5	19.1	18.5	18.8	19.1	19.5	19.1	19.5
67.5°	12.5	12.5	12.9	13.2	12.9	13.2	13.5	13.2	13.5	14.2	13.5
70°	9.2	9.6	9.6	9.2	8.9	9.2	8.9	9.9	9.9	9.9	10.6
72.5°	5.9	5.9	5.6	5.6	5.6	5.6	5.6	6.6	5.9	5.6	6.3
75°	3.3	3.6	3.6	2.6	3.0	3.6	2.6	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	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	0.7	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°	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	674.9	674.9	674.6	674.0	672.6	672.6	672.3	671.3	670.7	670.3	670.3
5°	671.6	670.3	669.0	665.4	665.4	664.7	662.7	661.4	660.8	659.1	658.4
7.5°	668.7	664.7	662.4	660.1	657.1	655.8	653.5	652.5	650.2	648.5	647.6
10°	661.4	658.8	655.8	652.2	649.9	647.2	644.6	642.6	639.6	638.0	636.7
12.5°	656.5	652.5	649.9	645.9	641.9	639.6	636.0	633.7	630.7	627.4	625.5
15°	651.8	647.6	643.9	639.6	635.3	632.7	628.4	625.8	621.5	618.2	615.9
17.5°	644.9	641.3	637.3	632.0	628.1	624.8	620.2	616.9	612.9	608.6	606.3
20°	637.7	633.4	629.4	624.1	620.2	616.2	611.6	608.0	603.3	599.4	596.8
22.5°	628.1	623.1	619.8	614.6	609.9	605.7	601.4	597.1	592.8	589.5	586.5
25°	614.2	609.0	605.3	601.0	596.8	593.5	588.2	585.5	581.3	578.3	575.3
27.5°	594.4	590.5	587.2	582.9	579.3	576.6	572.7	570.0	566.4	563.8	561.5
30°	565.4	562.1	559.1	554.9	552.2	549.9	546.3	544.0	541.3	538.4	537.7
32.5°	526.5	523.8	520.9	517.9	515.9	514.6	511.6	510.3	507.7	506.0	504.4
35°	467.8	465.5	463.8	462.5	461.8	462.2	461.5	462.8	463.5	463.2	463.5
37.5°	390.9	389.6	390.2	391.2	394.5	398.8	402.8	408.7	412.7	416.6	420.3
40°	305.1	306.1	308.8	314.7	323.3	332.9	341.8	353.0	364.2	372.1	379.4
42.5°	230.3	233.2	239.8	248.4	261.3	275.4	289.3	305.8	319.3	332.5	341.8
45°	173.2	177.1	185.7	197.6	211.8	228.3	245.8	264.2	280.4	293.9	304.2
47.5°	134.9	138.6	147.1	159.7	177.1	194.3	212.4	231.6	248.4	261.6	270.5
50°	106.5	111.2	118.8	132.0	149.4	167.6	186.4	205.2	221.0	232.2	240.2
52.5°	83.8	88.1	95.3	109.2	127.0	145.2	162.6	181.1	195.0	205.8	211.1
55°	65.0	68.9	76.5	88.1	104.9	122.7	140.2	156.0	168.9	176.8	181.8
57.5°	49.5	52.5	57.7	69.3	84.5	100.9	115.8	131.6	141.5	147.1	150.4
60°	37.6	39.9	45.5	54.4	68.3	82.5	95.0	106.9	114.8	119.4	122.7
62.5°	28.4	31.0	35.0	42.6	53.1	64.7	75.2	84.1	90.7	93.7	96.0
65°	19.5	21.4	24.4	30.3	39.3	47.5	55.8	62.4	66.6	69.9	71.3
67.5°	14.5	15.8	17.5	22.1	28.4	35.0	40.6	45.2	49.8	51.1	53.4
70°	10.9	11.9	13.5	16.8	20.4	25.1	29.7	32.3	35.6	37.9	38.6
72.5°	6.9	7.3	8.9	10.9	13.8	16.8	19.8	22.1	24.1	25.4	26.1
75°	4.0	5.9	5.9	7.9	9.9	11.2	13.2	14.8	15.8	16.8	16.8
77.5°	2.6	3.6	4.0	4.9	5.9	7.6	9.2	10.2	11.2	11.5	11.5
80°	2.3	2.6	2.6	3.6	4.3	5.6	6.6	6.9	7.6	7.9	8.6
82.5°	1.0	1.3	1.6	2.6	3.0	3.0	4.0	4.3	4.9	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	3.0	3.0	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P244585

CATALOG NUMBER: LSR8B15D010 EC8B159730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	675.6	675.6	675.6	675.6	675.6	675.6	675.6
2.5°	669.7	670.0	668.7	668.3	667.7	668.0	668.7
5°	657.5	657.8	656.5	655.1	655.1	654.8	655.1
7.5°	645.9	646.2	644.3	643.6	642.3	642.6	642.6
10°	634.4	634.4	631.4	631.1	630.1	629.7	629.7
12.5°	623.1	622.2	619.8	618.5	619.2	617.2	617.2
15°	613.2	611.6	608.6	607.6	606.0	605.3	605.3
17.5°	603.0	601.7	599.1	597.1	595.1	594.8	595.1
20°	593.1	591.8	588.5	587.2	585.5	585.5	584.9
22.5°	583.2	581.9	578.9	578.0	575.6	575.6	576.0
25°	573.0	572.0	568.7	568.1	567.7	566.4	567.1
27.5°	559.1	558.5	555.8	554.9	553.5	553.2	553.9
30°	533.7	532.8	530.8	529.8	527.5	527.8	528.5
32.5°	502.1	500.8	498.1	497.1	495.2	494.5	494.8
35°	462.5	461.5	459.2	459.2	457.2	456.6	457.2
37.5°	422.3	423.2	422.3	423.2	422.3	421.9	422.3
40°	384.3	387.9	388.6	392.2	390.9	392.9	392.6
42.5°	348.0	354.0	356.3	359.2	358.6	359.9	360.9
45°	311.4	316.4	318.7	320.6	321.0	321.6	322.0
47.5°	276.8	280.7	281.1	283.4	283.0	283.0	284.0
50°	244.4	247.1	247.7	249.4	248.1	247.4	247.7
52.5°	214.4	217.1	216.4	217.1	215.4	214.8	215.1
55°	183.7	185.1	185.1	185.1	183.1	183.1	183.1
57.5°	152.4	152.7	152.1	152.4	152.1	150.1	149.8
60°	123.7	123.7	123.4	123.7	122.7	121.7	121.7
62.5°	96.6	97.3	98.6	97.3	96.6	97.3	96.3
65°	72.2	73.6	73.2	73.9	73.6	73.6	72.9
67.5°	54.4	54.8	55.1	55.4	55.4	55.4	55.4
70°	39.9	40.9	40.6	40.6	40.6	40.6	42.6
72.5°	26.7	28.0	27.7	28.4	28.4	29.0	28.4
75°	18.1	19.5	18.8	19.8	19.5	18.8	20.4
77.5°	12.2	12.9	13.2	13.5	13.2	12.9	13.2
80°	8.6	9.2	8.9	9.2	9.2	9.2	9.6
82.5°	5.3	6.3	5.9	6.3	5.9	6.3	6.3
85°	3.6	4.0	3.3	4.0	3.6	3.6	4.3
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)