

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: P245875

Luminaire Tested: **LD8B15D010 ER8B159727 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245875
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: LD8B15D010 ER8B159727 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 995.0 lumens
Efficiency: N/A
Efficacy: 69.1 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

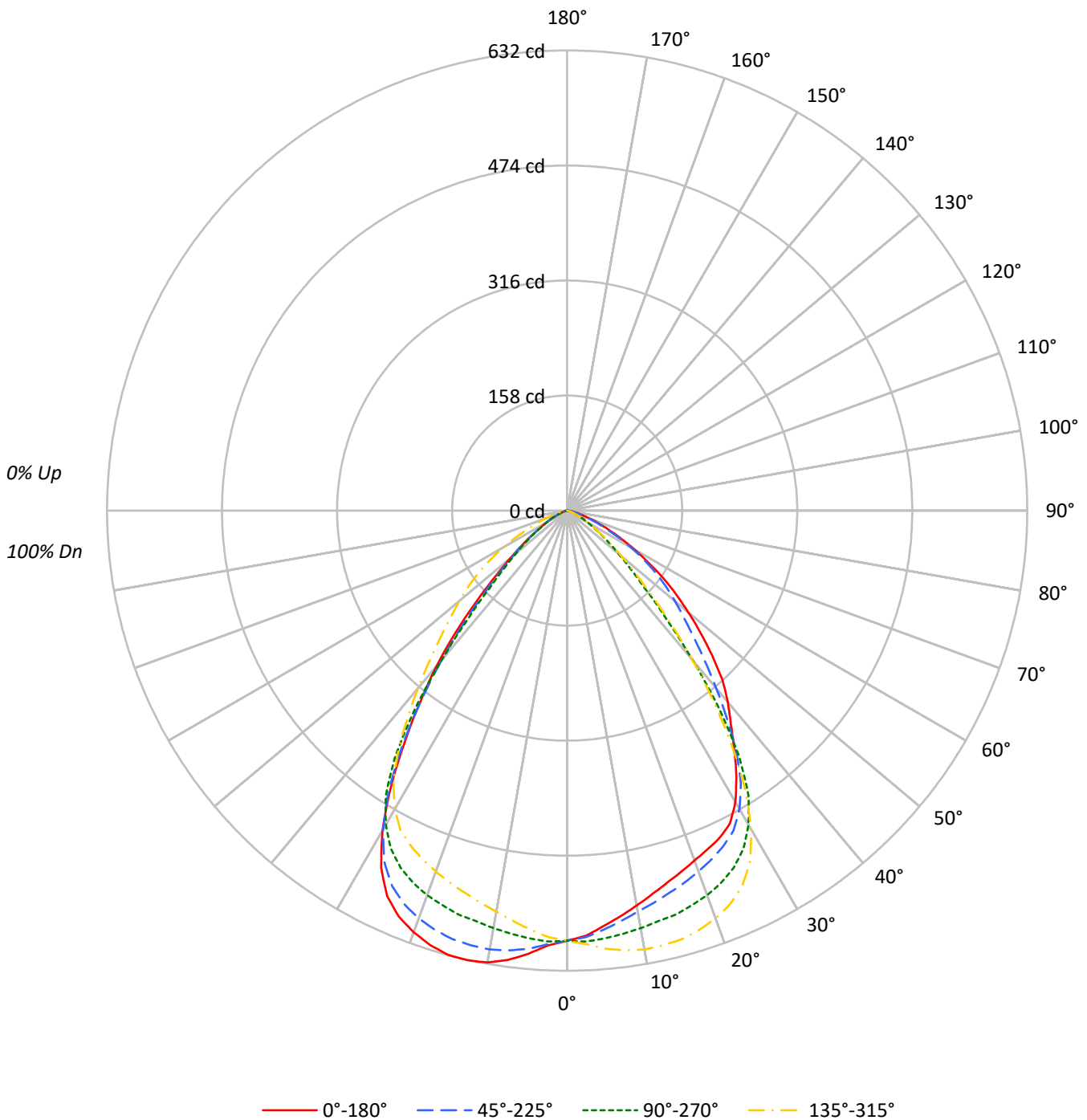
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	98	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°	56.2	5.7
10°-20°	162.8	16.4
20°-30°	246.5	24.8
30°-40°	247.1	24.8
40°-50°	155.2	15.6
50°-60°	82.7	8.3
60°-70°	34.0	3.4
70°-80°	9.0	0.9
80°-90°	1.5	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°	465.6	46.8
0°-40°	712.7	71.6
0°-60°	950.5	95.5
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	591	591	591	591	591	
5°	573	590	611	590	573	54
15°	529	575	632	575	529	150
25°	496	541	585	541	496	227
35°	400	411	390	411	400	250
45°	282	151	174	151	282	216
55°	160	56	59	56	160	143
65°	64	17	16	17	64	66
75°	18	4	3	4	18	20
85°	4	0	0	0	4	4
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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	584.6	584.1	583.8	584.4	584.6	585.8	585.5	586.1	586.1	586.4	586.9
5°	572.8	572.5	572.8	572.8	574.0	575.1	574.8	575.7	576.3	577.7	578.3
7.5°	561.9	561.9	561.6	562.7	563.3	565.0	564.7	566.2	567.1	568.5	570.5
10°	550.6	550.6	550.9	551.8	552.1	554.6	554.6	556.7	557.8	559.3	561.9
12.5°	539.7	539.7	541.4	540.8	542.0	544.0	544.8	546.9	548.6	551.5	554.1
15°	529.3	529.3	529.8	531.3	532.1	534.7	536.2	538.5	540.5	543.4	547.2
17.5°	520.3	520.0	520.3	522.1	523.8	526.1	527.2	530.1	532.1	535.9	539.4
20°	511.4	512.0	512.0	513.4	514.6	517.4	518.6	521.8	524.1	527.5	531.6
22.5°	503.6	503.3	503.3	505.3	506.2	508.8	509.9	512.8	515.4	518.3	522.1
25°	495.8	495.2	496.4	496.7	497.2	500.1	501.0	503.0	505.6	508.2	512.0
27.5°	484.3	483.7	484.0	485.1	486.0	488.3	488.9	490.9	492.9	495.2	498.4
30°	462.1	461.5	461.2	463.2	464.1	465.8	466.7	470.1	470.7	473.3	475.6
32.5°	432.6	432.4	432.9	434.7	435.5	437.8	439.0	441.0	442.4	443.9	446.2
35°	399.8	399.2	399.8	401.5	401.5	403.5	404.4	405.2	405.0	405.2	404.7
37.5°	369.2	368.9	369.2	370.0	369.2	370.0	369.2	367.5	364.3	360.8	357.4
40°	343.2	343.5	341.8	342.9	339.8	339.2	336.0	331.7	325.4	318.4	308.6
42.5°	315.5	314.7	313.5	314.1	311.5	309.5	304.3	298.8	290.7	279.2	267.4
45°	281.5	281.2	280.6	280.4	278.6	276.6	272.3	265.9	257.0	245.2	231.0
47.5°	248.3	247.5	247.5	247.8	245.7	245.5	242.0	236.5	228.7	217.2	202.5
50°	216.6	216.3	216.9	218.1	216.6	216.0	213.7	210.0	203.1	193.3	179.4
52.5°	188.1	187.8	188.3	189.8	189.2	189.8	187.5	184.6	180.0	170.5	158.3
55°	160.1	160.1	160.1	161.8	161.8	161.8	160.7	158.9	154.6	147.7	136.4
57.5°	130.9	131.2	133.0	133.3	133.0	133.5	133.3	131.5	128.6	123.7	115.1
60°	106.4	106.4	107.3	108.2	107.9	108.2	108.2	107.3	104.4	100.4	93.5
62.5°	84.2	85.1	84.5	85.1	86.2	85.1	84.5	83.9	81.9	79.3	73.5
65°	63.7	64.3	64.3	64.6	64.0	64.3	63.2	62.3	61.2	58.3	54.5
67.5°	48.5	48.5	48.5	48.5	48.2	47.9	47.6	46.7	44.7	43.6	39.5
70°	37.2	35.5	35.5	35.5	35.5	35.8	34.9	33.8	33.2	31.2	28.3
72.5°	24.8	25.4	24.8	24.8	24.2	24.5	23.4	22.8	22.2	21.1	19.3
75°	17.9	16.4	17.0	17.3	16.4	17.0	15.9	14.7	14.7	13.8	13.0
77.5°	11.5	11.3	11.5	11.8	11.5	11.3	10.7	10.1	10.1	9.8	8.9
80°	8.4	8.1	8.1	8.1	7.8	8.1	7.5	7.5	6.9	6.6	6.1
82.5°	5.5	5.5	5.2	5.5	5.2	5.5	4.6	4.6	4.6	4.3	3.8
85°	3.8	3.2	3.2	3.5	2.9	3.5	3.2	2.9	2.6	2.6	2.3
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	1.7	1.7	1.2	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	587.8	588.1	588.1	589.3	589.8	590.1	590.1	592.4	591.6	592.1	592.7
5°	579.5	581.2	581.8	581.8	584.9	586.1	587.2	589.8	590.1	591.9	593.9
7.5°	571.4	573.4	574.6	577.1	579.2	581.2	584.6	586.4	588.1	590.4	593.0
10°	563.6	565.9	568.2	570.2	573.4	576.0	578.3	582.3	584.4	587.5	591.0
12.5°	556.1	559.3	561.3	564.7	568.2	570.5	574.0	577.7	580.9	584.1	588.1
15°	549.5	553.2	555.5	559.3	563.0	566.2	569.9	574.6	576.9	580.6	584.4
17.5°	542.2	546.3	549.2	552.6	557.2	560.7	563.9	568.5	571.4	575.4	579.7
20°	534.7	538.8	542.2	545.7	550.3	553.8	557.5	562.1	565.3	569.4	572.8
22.5°	525.8	529.6	533.3	537.3	542.0	544.8	549.2	553.2	556.7	560.4	563.9
25°	514.3	518.9	521.8	525.5	529.3	532.4	537.1	541.1	544.0	547.4	550.6
27.5°	500.7	504.2	506.5	509.7	513.4	516.3	519.7	523.8	526.7	529.8	532.1
30°	477.6	480.8	482.8	485.1	488.9	491.5	494.4	498.1	500.1	502.4	504.5
32.5°	447.3	449.9	451.1	452.8	455.4	458.0	460.3	463.5	464.4	465.8	465.8
35°	403.5	404.1	403.8	404.4	405.5	407.0	409.0	411.0	412.2	412.2	411.3
37.5°	352.2	348.7	345.0	342.1	341.2	340.6	341.8	342.6	343.8	344.4	342.9
40°	298.8	291.0	282.7	275.2	270.0	267.7	266.8	267.4	267.4	269.4	269.4
42.5°	253.0	240.8	228.4	217.2	209.7	203.9	201.3	201.3	201.6	203.1	203.9
45°	214.9	199.6	185.2	172.8	162.4	154.9	151.4	150.6	150.3	150.8	152.9
47.5°	185.7	169.9	154.9	139.6	128.6	121.1	118.0	116.8	115.7	116.8	117.1
50°	163.0	146.5	130.7	115.4	103.8	97.2	93.2	91.4	91.1	91.1	91.7
52.5°	142.2	126.9	111.1	95.5	83.4	77.0	73.3	72.4	71.2	72.4	72.4
55°	122.6	107.3	91.7	77.0	66.9	60.3	56.8	55.7	55.1	56.0	56.0
57.5°	101.2	88.3	73.8	60.6	50.5	45.9	43.3	41.8	41.5	42.1	41.5
60°	83.1	72.1	59.7	47.6	39.8	34.9	32.9	32.3	31.7	32.3	32.3
62.5°	65.8	56.5	46.4	37.2	30.6	27.1	24.8	24.8	24.5	24.5	24.8
65°	48.7	41.5	34.3	26.5	21.3	18.7	17.0	17.0	16.7	17.0	16.7
67.5°	35.5	30.6	24.8	19.3	15.3	13.8	12.7	11.8	12.4	11.8	11.5
70°	26.0	21.9	17.9	14.7	11.8	10.4	9.5	9.2	8.7	8.7	8.7
72.5°	17.3	14.7	12.1	9.5	7.8	6.3	6.1	5.5	4.9	5.2	5.8
75°	11.5	9.8	8.7	6.9	5.2	5.2	3.5	3.5	2.9	3.5	2.6
77.5°	8.1	6.6	5.2	4.3	3.5	3.2	2.3	2.3	2.0	2.0	2.0
80°	5.8	4.9	3.8	3.2	2.3	2.3	2.0	1.7	1.4	1.4	1.7
82.5°	3.5	2.6	2.6	2.3	1.4	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.0	1.7	1.4	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.2	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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	594.2	593.9	594.5	594.5	596.2	595.9	596.8	596.8	596.2	596.5	597.6
5°	596.2	597.1	598.8	600.2	602.8	604.0	605.4	606.9	607.1	608.0	608.9
7.5°	596.2	599.1	601.1	603.7	607.1	609.2	612.3	614.9	616.1	617.5	619.3
10°	595.0	597.9	601.7	604.5	608.9	612.0	615.2	619.3	621.0	623.3	625.6
12.5°	592.7	595.9	599.9	603.7	608.6	611.5	615.5	619.3	621.9	625.0	627.6
15°	589.3	593.0	596.8	600.5	605.7	609.2	612.9	617.2	619.8	623.3	625.6
17.5°	583.8	587.8	591.3	594.7	599.6	603.7	607.1	611.2	613.8	616.7	619.8
20°	577.1	580.9	584.6	587.5	592.4	595.9	599.6	603.4	605.4	606.0	610.9
22.5°	568.8	571.4	574.3	578.9	581.8	584.9	588.4	591.9	593.9	597.1	598.8
25°	554.9	557.5	560.7	562.7	566.2	568.8	572.2	576.0	577.1	579.5	581.2
27.5°	535.6	537.1	538.5	540.2	542.2	543.7	545.7	547.4	548.6	549.7	550.9
30°	505.0	505.0	505.0	503.9	504.7	505.6	505.9	505.6	505.6	505.3	505.3
32.5°	464.7	462.4	459.8	457.4	456.6	455.4	454.8	454.0	452.5	451.7	452.0
35°	410.1	405.0	401.8	398.9	396.6	394.9	394.0	393.1	392.8	391.7	390.5
37.5°	342.1	338.3	336.0	334.3	332.3	330.5	330.8	331.1	332.0	331.4	331.7
40°	270.0	269.1	270.0	267.9	267.4	267.9	269.4	271.4	272.6	273.7	275.7
42.5°	205.4	206.8	208.8	208.8	209.7	210.8	212.6	215.7	217.5	219.5	221.8
45°	154.6	156.3	158.9	159.8	160.4	161.8	163.8	166.4	167.6	169.3	171.3
47.5°	119.1	120.3	121.7	123.2	124.6	125.2	127.2	127.2	128.6	129.8	130.4
50°	92.9	94.0	95.2	96.0	96.6	97.5	98.1	98.9	99.2	99.8	100.1
52.5°	72.7	74.1	74.1	74.7	75.6	76.4	76.1	76.4	76.7	76.7	77.6
55°	56.8	56.8	57.7	57.7	58.3	58.0	58.3	58.3	58.3	58.3	58.6
57.5°	42.4	42.7	43.6	43.0	42.7	43.3	42.7	43.3	43.0	43.6	42.7
60°	32.6	32.6	32.9	32.9	33.2	33.2	33.2	32.9	32.9	32.6	32.6
62.5°	24.5	24.8	25.1	24.8	24.8	24.8	24.5	24.5	24.2	23.9	23.9
65°	16.4	16.2	16.7	16.2	16.4	16.4	16.2	16.4	15.6	15.9	15.6
67.5°	11.8	11.5	11.3	11.5	11.3	11.0	11.0	11.3	11.5	10.7	10.7
70°	7.8	8.1	7.8	8.1	8.4	8.4	8.1	7.8	8.1	7.5	7.8
72.5°	4.9	4.9	4.9	4.9	4.9	5.2	5.2	5.2	4.6	4.6	4.3
75°	2.3	3.2	2.6	2.3	3.2	3.2	2.9	2.9	2.6	2.6	2.6
77.5°	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.7	1.4
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.4	1.2	1.2	0.9	1.4
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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	597.3	597.1	597.3	597.6	597.3	597.1	597.3	597.6	596.5	596.2	596.8
5°	610.0	610.0	610.6	610.9	610.6	610.0	610.0	608.9	608.0	607.1	606.9
7.5°	621.0	621.6	622.1	622.4	622.1	621.6	621.0	619.3	617.5	616.1	614.9
10°	627.6	628.5	629.6	630.2	629.6	628.5	627.6	625.6	623.3	621.0	619.3
12.5°	630.5	631.4	632.8	632.5	632.8	631.4	630.5	627.6	625.0	621.9	619.3
15°	628.5	629.6	631.1	631.7	631.1	629.6	628.5	625.6	623.3	619.8	617.2
17.5°	622.1	623.9	624.7	625.6	624.7	623.9	622.1	619.8	616.7	613.8	611.2
20°	613.5	614.6	615.8	616.1	615.8	614.6	613.5	610.9	606.0	605.4	603.4
22.5°	601.1	602.0	604.5	603.7	604.5	602.0	601.1	598.8	597.1	593.9	591.9
25°	583.2	584.1	584.4	584.6	584.4	584.1	583.2	581.2	579.5	577.1	576.0
27.5°	552.3	552.3	552.9	553.2	552.9	552.3	552.3	550.9	549.7	548.6	547.4
30°	505.6	505.6	505.6	507.1	505.6	505.6	505.6	505.3	505.3	505.6	505.6
32.5°	451.7	451.1	450.5	451.1	450.5	451.1	451.7	452.0	451.7	452.5	454.0
35°	390.5	390.2	391.1	390.0	391.1	390.2	390.5	390.5	391.7	392.8	393.1
37.5°	332.0	331.4	332.6	331.4	332.6	331.4	332.0	331.7	331.4	332.0	331.1
40°	276.3	276.9	276.9	279.2	276.9	276.9	276.3	275.7	273.7	272.6	271.4
42.5°	223.0	224.7	224.1	225.8	224.1	224.7	223.0	221.8	219.5	217.5	215.7
45°	172.5	173.6	173.6	174.2	173.6	173.6	172.5	171.3	169.3	167.6	166.4
47.5°	132.4	132.4	132.4	132.7	132.4	132.4	132.4	130.4	129.8	128.6	127.2
50°	100.7	100.9	101.2	101.5	101.2	100.9	100.7	100.1	99.8	99.2	98.9
52.5°	77.3	77.6	77.0	77.6	77.0	77.6	77.3	77.6	76.7	76.7	76.4
55°	58.6	58.3	58.6	58.8	58.6	58.3	58.6	58.6	58.3	58.3	58.3
57.5°	43.0	42.4	42.4	42.4	42.4	42.4	43.0	42.7	43.6	43.0	43.3
60°	32.0	32.3	32.3	32.6	32.3	32.3	32.0	32.6	32.6	32.9	32.9
62.5°	23.6	24.5	23.9	24.5	23.9	24.5	23.6	23.9	23.9	24.2	24.5
65°	15.3	15.3	15.3	15.6	15.3	15.3	15.3	15.6	15.9	15.6	16.4
67.5°	10.4	10.7	11.3	11.0	11.3	10.7	10.4	10.7	10.7	11.5	11.3
70°	8.4	7.5	7.5	8.4	7.5	7.5	8.4	7.8	7.5	8.1	7.8
72.5°	4.9	4.3	4.9	4.9	4.9	4.3	4.9	4.3	4.6	4.6	5.2
75°	2.6	2.3	2.0	2.9	2.0	2.3	2.6	2.6	2.6	2.6	2.9
77.5°	1.7	1.4	2.0	2.0	2.0	1.4	1.7	1.4	1.7	1.4	1.7
80°	0.9	1.2	0.9	1.4	0.9	1.2	0.9	1.4	0.9	1.2	1.2
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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	596.8	595.9	596.2	594.5	594.5	593.9	594.2	592.7	592.1	591.6	592.4
5°	605.4	604.0	602.8	600.2	598.8	597.1	596.2	593.9	591.9	590.1	589.8
7.5°	612.3	609.2	607.1	603.7	601.1	599.1	596.2	593.0	590.4	588.1	586.4
10°	615.2	612.0	608.9	604.5	601.7	597.9	595.0	591.0	587.5	584.4	582.3
12.5°	615.5	611.5	608.6	603.7	599.9	595.9	592.7	588.1	584.1	580.9	577.7
15°	612.9	609.2	605.7	600.5	596.8	593.0	589.3	584.4	580.6	576.9	574.6
17.5°	607.1	603.7	599.6	594.7	591.3	587.8	583.8	579.7	575.4	571.4	568.5
20°	599.6	595.9	592.4	587.5	584.6	580.9	577.1	572.8	569.4	565.3	562.1
22.5°	588.4	584.9	581.8	578.9	574.3	571.4	568.8	563.9	560.4	556.7	553.2
25°	572.2	568.8	566.2	562.7	560.7	557.5	554.9	550.6	547.4	544.0	541.1
27.5°	545.7	543.7	542.2	540.2	538.5	537.1	535.6	532.1	529.8	526.7	523.8
30°	505.9	505.6	504.7	503.9	505.0	505.0	505.0	504.5	502.4	500.1	498.1
32.5°	454.8	455.4	456.6	457.4	459.8	462.4	464.7	465.8	465.8	464.4	463.5
35°	394.0	394.9	396.6	398.9	401.8	405.0	410.1	411.3	412.2	412.2	411.0
37.5°	330.8	330.5	332.3	334.3	336.0	338.3	342.1	342.9	344.4	343.8	342.6
40°	269.4	267.9	267.4	267.9	270.0	269.1	270.0	269.4	269.4	267.4	267.4
42.5°	212.6	210.8	209.7	208.8	208.8	206.8	205.4	203.9	203.1	201.6	201.3
45°	163.8	161.8	160.4	159.8	158.9	156.3	154.6	152.9	150.8	150.3	150.6
47.5°	127.2	125.2	124.6	123.2	121.7	120.3	119.1	117.1	116.8	115.7	116.8
50°	98.1	97.5	96.6	96.0	95.2	94.0	92.9	91.7	91.1	91.1	91.4
52.5°	76.1	76.4	75.6	74.7	74.1	74.1	72.7	72.4	72.4	71.2	72.4
55°	58.3	58.0	58.3	57.7	57.7	56.8	56.8	56.0	56.0	55.1	55.7
57.5°	42.7	43.3	42.7	43.0	43.6	42.7	42.4	41.5	42.1	41.5	41.8
60°	33.2	33.2	33.2	32.9	32.9	32.6	32.6	32.3	32.3	31.7	32.3
62.5°	24.5	24.8	24.8	24.8	25.1	24.8	24.5	24.8	24.5	24.5	24.8
65°	16.2	16.4	16.4	16.2	16.7	16.2	16.4	16.7	17.0	16.7	17.0
67.5°	11.0	11.0	11.3	11.5	11.3	11.5	11.8	11.5	11.8	12.4	11.8
70°	8.1	8.4	8.4	8.1	7.8	8.1	7.8	8.7	8.7	8.7	9.2
72.5°	5.2	5.2	4.9	4.9	4.9	4.9	4.9	5.8	5.2	4.9	5.5
75°	2.9	3.2	3.2	2.3	2.6	3.2	2.3	2.6	3.5	2.9	3.5
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.0	2.0	2.0	2.3
80°	1.4	1.2	1.2	0.9	1.2	1.2	1.2	1.7	1.4	1.4	1.7
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	590.1	590.1	589.8	589.3	588.1	588.1	587.8	586.9	586.4	586.1	586.1
5°	587.2	586.1	584.9	581.8	581.8	581.2	579.5	578.3	577.7	576.3	575.7
7.5°	584.6	581.2	579.2	577.1	574.6	573.4	571.4	570.5	568.5	567.1	566.2
10°	578.3	576.0	573.4	570.2	568.2	565.9	563.6	561.9	559.3	557.8	556.7
12.5°	574.0	570.5	568.2	564.7	561.3	559.3	556.1	554.1	551.5	548.6	546.9
15°	569.9	566.2	563.0	559.3	555.5	553.2	549.5	547.2	543.4	540.5	538.5
17.5°	563.9	560.7	557.2	552.6	549.2	546.3	542.2	539.4	535.9	532.1	530.1
20°	557.5	553.8	550.3	545.7	542.2	538.8	534.7	531.6	527.5	524.1	521.8
22.5°	549.2	544.8	542.0	537.3	533.3	529.6	525.8	522.1	518.3	515.4	512.8
25°	537.1	532.4	529.3	525.5	521.8	518.9	514.3	512.0	508.2	505.6	503.0
27.5°	519.7	516.3	513.4	509.7	506.5	504.2	500.7	498.4	495.2	492.9	490.9
30°	494.4	491.5	488.9	485.1	482.8	480.8	477.6	475.6	473.3	470.7	470.1
32.5°	460.3	458.0	455.4	452.8	451.1	449.9	447.3	446.2	443.9	442.4	441.0
35°	409.0	407.0	405.5	404.4	403.8	404.1	403.5	404.7	405.2	405.0	405.2
37.5°	341.8	340.6	341.2	342.1	345.0	348.7	352.2	357.4	360.8	364.3	367.5
40°	266.8	267.7	270.0	275.2	282.7	291.0	298.8	308.6	318.4	325.4	331.7
42.5°	201.3	203.9	209.7	217.2	228.4	240.8	253.0	267.4	279.2	290.7	298.8
45°	151.4	154.9	162.4	172.8	185.2	199.6	214.9	231.0	245.2	257.0	265.9
47.5°	118.0	121.1	128.6	139.6	154.9	169.9	185.7	202.5	217.2	228.7	236.5
50°	93.2	97.2	103.8	115.4	130.7	146.5	163.0	179.4	193.3	203.1	210.0
52.5°	73.3	77.0	83.4	95.5	111.1	126.9	142.2	158.3	170.5	180.0	184.6
55°	56.8	60.3	66.9	77.0	91.7	107.3	122.6	136.4	147.7	154.6	158.9
57.5°	43.3	45.9	50.5	60.6	73.8	88.3	101.2	115.1	123.7	128.6	131.5
60°	32.9	34.9	39.8	47.6	59.7	72.1	83.1	93.5	100.4	104.4	107.3
62.5°	24.8	27.1	30.6	37.2	46.4	56.5	65.8	73.5	79.3	81.9	83.9
65°	17.0	18.7	21.3	26.5	34.3	41.5	48.7	54.5	58.3	61.2	62.3
67.5°	12.7	13.8	15.3	19.3	24.8	30.6	35.5	39.5	43.6	44.7	46.7
70°	9.5	10.4	11.8	14.7	17.9	21.9	26.0	28.3	31.2	33.2	33.8
72.5°	6.1	6.3	7.8	9.5	12.1	14.7	17.3	19.3	21.1	22.2	22.8
75°	3.5	5.2	5.2	6.9	8.7	9.8	11.5	13.0	13.8	14.7	14.7
77.5°	2.3	3.2	3.5	4.3	5.2	6.6	8.1	8.9	9.8	10.1	10.1
80°	2.0	2.3	2.3	3.2	3.8	4.9	5.8	6.1	6.6	6.9	7.5
82.5°	0.9	1.2	1.4	2.3	2.6	2.6	3.5	3.8	4.3	4.6	4.6
85°	0.3	0.6	0.6	0.9	1.4	1.7	2.0	2.3	2.6	2.6	2.9
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.7	1.7
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: P245875

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	585.5	585.8	584.6	584.4	583.8	584.1	584.6
5°	574.8	575.1	574.0	572.8	572.8	572.5	572.8
7.5°	564.7	565.0	563.3	562.7	561.6	561.9	561.9
10°	554.6	554.6	552.1	551.8	550.9	550.6	550.6
12.5°	544.8	544.0	542.0	540.8	541.4	539.7	539.7
15°	536.2	534.7	532.1	531.3	529.8	529.3	529.3
17.5°	527.2	526.1	523.8	522.1	520.3	520.0	520.3
20°	518.6	517.4	514.6	513.4	512.0	512.0	511.4
22.5°	509.9	508.8	506.2	505.3	503.3	503.3	503.6
25°	501.0	500.1	497.2	496.7	496.4	495.2	495.8
27.5°	488.9	488.3	486.0	485.1	484.0	483.7	484.3
30°	466.7	465.8	464.1	463.2	461.2	461.5	462.1
32.5°	439.0	437.8	435.5	434.7	432.9	432.4	432.6
35°	404.4	403.5	401.5	401.5	399.8	399.2	399.8
37.5°	369.2	370.0	369.2	370.0	369.2	368.9	369.2
40°	336.0	339.2	339.8	342.9	341.8	343.5	343.2
42.5°	304.3	309.5	311.5	314.1	313.5	314.7	315.5
45°	272.3	276.6	278.6	280.4	280.6	281.2	281.5
47.5°	242.0	245.5	245.7	247.8	247.5	247.5	248.3
50°	213.7	216.0	216.6	218.1	216.9	216.3	216.6
52.5°	187.5	189.8	189.2	189.8	188.3	187.8	188.1
55°	160.7	161.8	161.8	161.8	160.1	160.1	160.1
57.5°	133.3	133.5	133.0	133.3	133.0	131.2	130.9
60°	108.2	108.2	107.9	108.2	107.3	106.4	106.4
62.5°	84.5	85.1	86.2	85.1	84.5	85.1	84.2
65°	63.2	64.3	64.0	64.6	64.3	64.3	63.7
67.5°	47.6	47.9	48.2	48.5	48.5	48.5	48.5
70°	34.9	35.8	35.5	35.5	35.5	35.5	37.2
72.5°	23.4	24.5	24.2	24.8	24.8	25.4	24.8
75°	15.9	17.0	16.4	17.3	17.0	16.4	17.9
77.5°	10.7	11.3	11.5	11.8	11.5	11.3	11.5
80°	7.5	8.1	7.8	8.1	8.1	8.1	8.4
82.5°	4.6	5.5	5.2	5.5	5.2	5.5	5.5
85°	3.2	3.5	2.9	3.5	3.2	3.2	3.8
87.5°	2.0	1.7	1.7	2.0	1.7	2.0	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)