

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: P245953

Luminaire Tested: **LD8B15D010 ER8B15930 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245953
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 ER8B15930 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 974.2 lumens
Efficiency: N/A
Efficacy: 67.7 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

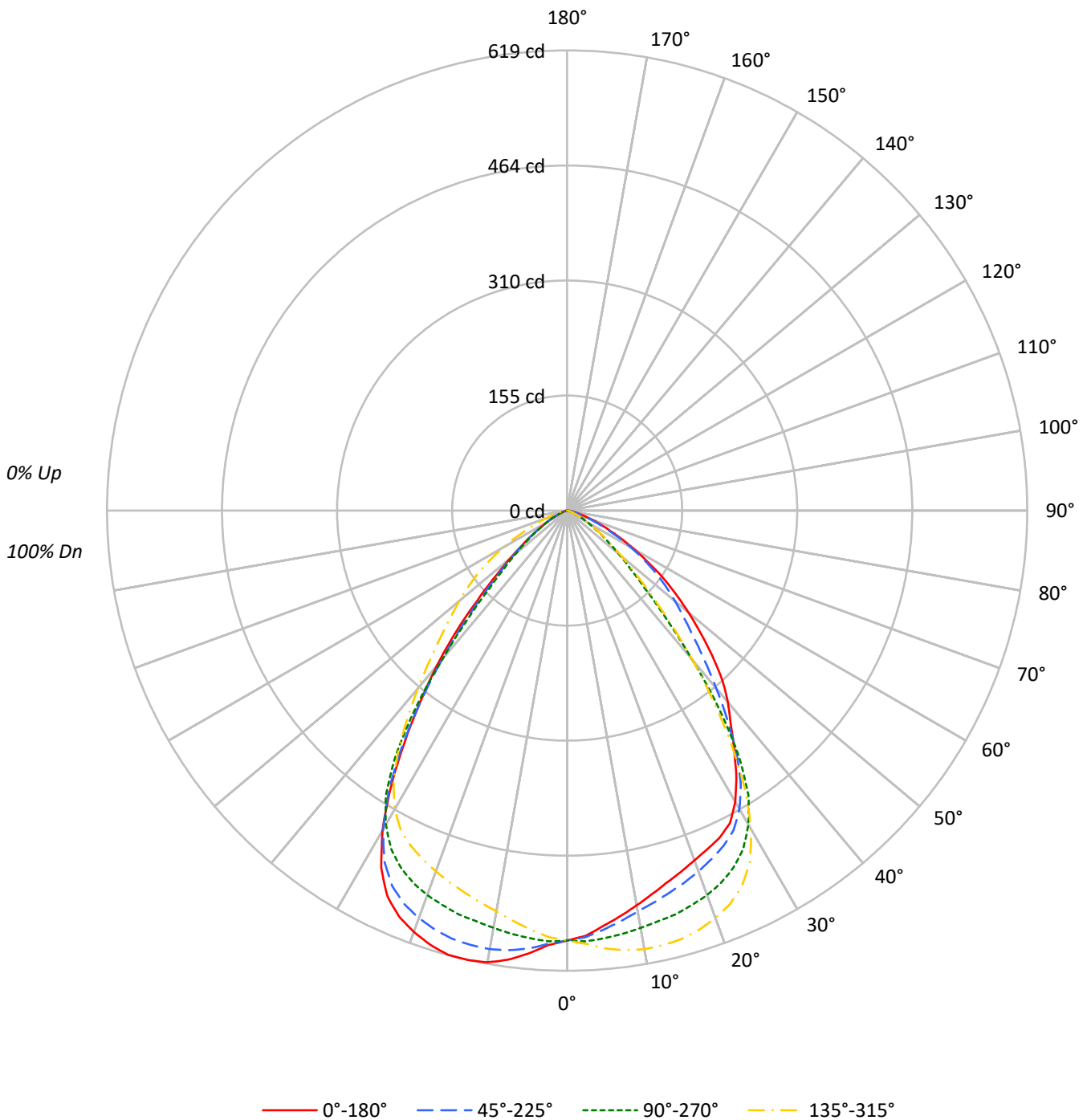
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	55.0	5.7
10°-20°	159.4	16.4
20°-30°	241.4	24.8
30°-40°	241.9	24.8
40°-50°	151.9	15.6
50°-60°	81.0	8.3
60°-70°	33.3	3.4
70°-80°	8.8	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°	455.8	46.8
0°-40°	697.7	71.6
0°-60°	930.6	95.5
0°-90°	974.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	578	578	578	578	578	
5°	561	577	598	577	561	53
15°	518	562	618	562	518	147
25°	485	530	572	530	485	223
35°	391	402	382	402	391	245
45°	276	147	170	147	276	212
55°	157	54	58	54	157	140
65°	62	17	15	17	62	65
75°	18	3	3	3	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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	572.4	571.8	571.6	572.2	572.4	573.5	573.3	573.8	573.8	574.1	574.6
5°	560.8	560.5	560.8	560.8	562.0	563.1	562.7	563.6	564.2	565.7	566.2
7.5°	550.1	550.1	549.9	551.0	551.5	553.2	552.9	554.3	555.1	556.6	558.6
10°	539.1	539.1	539.3	540.2	540.4	543.0	543.0	545.0	546.2	547.5	550.1
12.5°	528.3	528.3	530.0	529.4	530.6	532.6	533.4	535.4	537.1	539.9	542.5
15°	518.1	518.1	518.7	520.1	521.0	523.5	525.0	527.2	529.2	532.0	535.7
17.5°	509.4	509.2	509.4	511.1	512.9	515.1	516.2	519.0	521.0	524.6	528.1
20°	500.6	501.2	501.2	502.7	503.8	506.6	507.7	510.8	513.1	516.4	520.5
22.5°	493.0	492.8	492.8	494.7	495.6	498.2	499.3	502.1	504.7	507.5	511.1
25°	485.4	484.8	486.0	486.3	486.9	489.7	490.5	492.5	495.0	497.6	501.2
27.5°	474.1	473.5	473.8	475.0	475.9	478.1	478.7	480.6	482.6	484.8	488.0
30°	452.3	451.8	451.5	453.6	454.3	456.0	456.9	460.3	460.8	463.4	465.7
32.5°	423.6	423.3	423.9	425.5	426.4	428.7	429.8	431.8	433.2	434.6	436.9
35°	391.3	390.8	391.3	393.1	393.1	395.0	395.9	396.7	396.5	396.7	396.2
37.5°	361.4	361.2	361.4	362.3	361.4	362.3	361.4	359.7	356.7	353.2	349.9
40°	336.1	336.3	334.6	335.7	332.6	332.0	329.0	324.8	318.6	311.8	302.1
42.5°	308.9	308.1	306.9	307.5	305.0	303.0	298.0	292.6	284.6	273.3	261.8
45°	275.7	275.3	274.8	274.5	272.7	270.8	266.6	260.4	251.6	240.0	226.2
47.5°	243.1	242.2	242.2	242.6	240.6	240.3	236.9	231.6	224.0	212.7	198.2
50°	212.1	211.8	212.3	213.4	212.1	211.5	209.3	205.6	198.8	189.2	175.7
52.5°	184.1	183.8	184.4	185.9	185.2	185.9	183.5	180.7	176.2	166.9	155.0
55°	156.7	156.7	156.7	158.4	158.4	158.4	157.3	155.6	151.3	144.6	133.6
57.5°	128.2	128.5	130.1	130.5	130.1	130.7	130.5	128.8	126.0	121.2	112.7
60°	104.3	104.3	105.0	105.9	105.6	105.9	105.9	105.0	102.2	98.3	91.5
62.5°	82.5	83.3	82.7	83.3	84.4	83.3	82.7	82.2	80.2	77.7	72.0
65°	62.4	63.0	63.0	63.2	62.7	63.0	61.9	61.0	59.9	57.1	53.4
67.5°	47.4	47.4	47.4	47.4	47.2	46.9	46.6	45.7	43.7	42.6	38.7
70°	36.4	34.8	34.8	34.8	34.8	35.0	34.2	33.1	32.5	30.5	27.7
72.5°	24.3	24.9	24.3	24.3	23.8	24.0	22.9	22.3	21.7	20.6	18.9
75°	17.5	16.1	16.7	16.9	16.1	16.7	15.6	14.3	14.3	13.6	12.7
77.5°	11.3	11.0	11.3	11.5	11.3	11.0	10.4	9.9	9.9	9.6	8.7
80°	8.2	8.0	8.0	8.0	7.6	8.0	7.4	7.4	6.7	6.5	5.9
82.5°	5.4	5.4	5.0	5.4	5.0	5.4	4.5	4.5	4.5	4.3	3.7
85°	3.7	3.1	3.1	3.4	2.8	3.4	3.1	2.8	2.6	2.6	2.2
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	1.7	1.7	1.1	1.1
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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	575.5	575.7	575.7	576.9	577.4	577.8	577.8	580.0	579.2	579.8	580.3
5°	567.3	569.0	569.6	569.6	572.7	573.8	575.0	577.4	577.8	579.4	581.5
7.5°	559.4	561.4	562.5	565.1	567.0	569.0	572.4	574.1	575.7	578.0	580.6
10°	551.8	554.0	556.2	558.3	561.4	564.0	566.2	570.1	572.2	575.2	578.5
12.5°	544.5	547.5	549.5	552.9	556.2	558.6	562.0	565.7	568.7	571.8	575.7
15°	538.0	541.7	543.9	547.5	551.2	554.3	558.0	562.5	564.8	568.5	572.2
17.5°	530.9	534.8	537.6	541.0	545.6	549.0	552.1	556.6	559.4	563.3	567.6
20°	523.5	527.5	530.9	534.3	538.8	542.2	545.8	550.4	553.4	557.5	560.8
22.5°	514.8	518.5	522.2	526.1	530.6	533.4	537.6	541.7	545.0	548.6	552.1
25°	503.4	508.0	510.8	514.5	518.1	521.3	525.7	529.8	532.6	536.0	539.1
27.5°	490.2	493.6	495.8	499.0	502.7	505.5	508.8	512.9	515.7	518.7	521.0
30°	467.6	470.7	472.7	475.0	478.7	481.1	484.0	487.6	489.7	491.9	493.9
32.5°	438.0	440.6	441.7	443.4	445.9	448.4	450.6	453.8	454.7	456.0	456.0
35°	395.0	395.6	395.4	395.9	397.1	398.4	400.4	402.4	403.6	403.6	402.7
37.5°	344.8	341.5	337.8	335.0	334.1	333.5	334.6	335.5	336.6	337.2	335.7
40°	292.6	285.0	276.8	269.4	264.3	262.1	261.2	261.8	261.8	263.8	263.8
42.5°	247.6	235.7	223.6	212.7	205.3	199.7	197.1	197.1	197.4	198.8	199.7
45°	210.4	195.4	181.3	169.2	159.0	151.7	148.3	147.4	147.1	147.6	149.7
47.5°	181.8	166.4	151.7	136.6	126.0	118.6	115.5	114.3	113.2	114.3	114.7
50°	159.5	143.5	127.9	113.0	101.7	95.2	91.2	89.5	89.2	89.2	89.8
52.5°	139.2	124.2	108.7	93.5	81.6	75.4	71.7	70.8	69.7	70.8	70.8
55°	120.1	105.0	89.8	75.4	65.5	59.1	55.6	54.5	53.9	54.8	54.8
57.5°	99.1	86.4	72.3	59.3	49.4	45.0	42.4	40.9	40.7	41.3	40.7
60°	81.3	70.6	58.4	46.6	39.0	34.2	32.2	31.6	31.1	31.6	31.6
62.5°	64.3	55.4	45.5	36.4	29.9	26.6	24.3	24.3	24.0	24.0	24.3
65°	47.8	40.7	33.6	26.0	20.9	18.4	16.7	16.7	16.4	16.7	16.4
67.5°	34.8	29.9	24.3	18.9	15.0	13.6	12.4	11.5	12.1	11.5	11.3
70°	25.4	21.4	17.5	14.3	11.5	10.2	9.3	9.1	8.5	8.5	8.5
72.5°	16.9	14.3	11.9	9.3	7.6	6.2	5.9	5.4	4.8	5.0	5.6
75°	11.3	9.6	8.5	6.7	5.0	5.0	3.4	3.4	2.8	3.4	2.6
77.5°	8.0	6.5	5.0	4.3	3.4	3.1	2.2	2.2	2.0	2.0	2.0
80°	5.6	4.8	3.7	3.1	2.2	2.2	2.0	1.7	1.5	1.5	1.7
82.5°	3.4	2.6	2.6	2.2	1.5	1.1	0.9	1.1	0.6	0.6	0.6
85°	2.0	1.7	1.5	0.9	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.1	0.6	0.6	0.2	0.0	0.2	0.2	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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	581.7	581.5	582.0	582.0	583.7	583.4	584.3	584.3	583.7	583.9	585.0
5°	583.7	584.5	586.2	587.6	590.2	591.3	592.7	594.1	594.5	595.3	596.1
7.5°	583.7	586.5	588.5	591.0	594.5	596.4	599.5	602.1	603.2	604.6	606.2
10°	582.6	585.4	589.1	591.9	596.1	599.2	602.3	606.2	607.9	610.3	612.5
12.5°	580.3	583.4	587.4	591.0	595.8	598.6	602.6	606.2	608.8	612.0	614.4
15°	576.9	580.6	584.3	588.0	593.0	596.4	600.1	604.3	606.8	610.3	612.5
17.5°	571.6	575.5	578.9	582.2	587.1	591.0	594.5	598.4	601.0	603.8	606.8
20°	565.1	568.7	572.4	575.2	580.0	583.4	587.1	590.8	592.7	593.3	598.1
22.5°	556.9	559.4	562.2	566.8	569.6	572.7	576.1	579.4	581.5	584.5	586.2
25°	543.3	545.8	549.0	551.0	554.3	556.9	560.3	564.0	565.1	567.3	569.0
27.5°	524.4	525.7	527.2	528.9	530.9	532.3	534.3	536.0	537.1	538.2	539.3
30°	494.5	494.5	494.5	493.4	494.1	495.0	495.3	495.0	495.0	494.7	494.7
32.5°	454.9	452.7	450.1	447.8	447.1	445.9	445.4	444.5	443.0	442.2	442.5
35°	401.5	396.5	393.4	390.6	388.3	386.6	385.7	384.8	384.6	383.5	382.4
37.5°	335.0	331.3	329.0	327.3	325.3	323.6	323.9	324.2	325.0	324.4	324.8
40°	264.3	263.4	264.3	262.3	261.8	262.3	263.8	265.7	266.9	268.0	269.9
42.5°	201.1	202.5	204.5	204.5	205.3	206.4	208.1	211.2	212.9	214.9	217.1
45°	151.3	153.0	155.6	156.5	157.1	158.4	160.4	162.9	164.1	165.8	167.7
47.5°	116.6	117.7	119.2	120.6	122.0	122.5	124.5	124.5	126.0	127.1	127.7
50°	90.9	92.0	93.2	94.1	94.6	95.4	96.0	96.9	97.2	97.8	98.0
52.5°	71.2	72.5	72.5	73.1	74.0	74.9	74.5	74.9	75.1	75.1	76.0
55°	55.6	55.6	56.5	56.5	57.1	56.7	57.1	57.1	57.1	57.1	57.3
57.5°	41.5	41.8	42.6	42.0	41.8	42.4	41.8	42.4	42.0	42.6	41.8
60°	31.9	31.9	32.2	32.2	32.5	32.5	32.5	32.2	32.2	31.9	31.9
62.5°	24.0	24.3	24.5	24.3	24.3	24.3	24.0	24.0	23.8	23.4	23.4
65°	16.1	15.8	16.4	15.8	16.1	16.1	15.8	16.1	15.2	15.6	15.2
67.5°	11.5	11.3	11.0	11.3	11.0	10.8	10.8	11.0	11.3	10.4	10.4
70°	7.6	8.0	7.6	8.0	8.2	8.2	8.0	7.6	8.0	7.4	7.6
72.5°	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.5	4.5	4.3
75°	2.2	3.1	2.6	2.2	3.1	3.1	2.8	2.8	2.6	2.6	2.6
77.5°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.7	1.5
80°	1.1	1.1	1.1	0.9	1.1	1.1	1.5	1.1	1.1	0.9	1.5
82.5°	0.6	0.6	0.6	0.0	0.2	0.6	0.6	0.2	0.6	0.6	0.2
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°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	584.8	584.5	584.8	585.0	584.8	584.5	584.8	585.0	583.9	583.7	584.3
5°	597.3	597.3	597.8	598.1	597.8	597.3	597.3	596.1	595.3	594.5	594.1
7.5°	607.9	608.6	609.2	609.4	609.2	608.6	607.9	606.2	604.6	603.2	602.1
10°	614.4	615.3	616.4	617.0	616.4	615.3	614.4	612.5	610.3	607.9	606.2
12.5°	617.3	618.1	619.6	619.2	619.6	618.1	617.3	614.4	612.0	608.8	606.2
15°	615.3	616.4	617.9	618.5	617.9	616.4	615.3	612.5	610.3	606.8	604.3
17.5°	609.2	610.8	611.6	612.5	611.6	610.8	609.2	606.8	603.8	601.0	598.4
20°	600.6	601.8	602.9	603.2	602.9	601.8	600.6	598.1	593.3	592.7	590.8
22.5°	588.5	589.3	591.9	591.0	591.9	589.3	588.5	586.2	584.5	581.5	579.4
25°	570.9	571.8	572.2	572.4	572.2	571.8	570.9	569.0	567.3	565.1	564.0
27.5°	540.8	540.8	541.3	541.7	541.3	540.8	540.8	539.3	538.2	537.1	536.0
30°	495.0	495.0	495.0	496.5	495.0	495.0	495.0	494.7	494.7	495.0	495.0
32.5°	442.2	441.7	441.1	441.7	441.1	441.7	442.2	442.5	442.2	443.0	444.5
35°	382.4	382.0	382.9	381.8	382.9	382.0	382.4	382.4	383.5	384.6	384.8
37.5°	325.0	324.4	325.5	324.4	325.5	324.4	325.0	324.8	324.4	325.0	324.2
40°	270.5	271.1	271.1	273.3	271.1	271.1	270.5	269.9	268.0	266.9	265.7
42.5°	218.3	219.9	219.4	221.1	219.4	219.9	218.3	217.1	214.9	212.9	211.2
45°	168.8	170.1	170.1	170.5	170.1	170.1	168.8	167.7	165.8	164.1	162.9
47.5°	129.6	129.6	129.6	129.9	129.6	129.6	129.6	127.7	127.1	126.0	124.5
50°	98.5	98.9	99.1	99.4	99.1	98.9	98.5	98.0	97.8	97.2	96.9
52.5°	75.7	76.0	75.4	76.0	75.4	76.0	75.7	76.0	75.1	75.1	74.9
55°	57.3	57.1	57.3	57.6	57.3	57.1	57.3	57.3	57.1	57.1	57.1
57.5°	42.0	41.5	41.5	41.5	41.5	41.5	42.0	41.8	42.6	42.0	42.4
60°	31.4	31.6	31.6	31.9	31.6	31.6	31.4	31.9	31.9	32.2	32.2
62.5°	23.2	24.0	23.4	24.0	23.4	24.0	23.2	23.4	23.4	23.8	24.0
65°	15.0	15.0	15.0	15.2	15.0	15.0	15.0	15.2	15.6	15.2	16.1
67.5°	10.2	10.4	11.0	10.8	11.0	10.4	10.2	10.4	10.4	11.3	11.0
70°	8.2	7.4	7.4	8.2	7.4	7.4	8.2	7.6	7.4	8.0	7.6
72.5°	4.8	4.3	4.8	4.8	4.8	4.3	4.8	4.3	4.5	4.5	5.0
75°	2.6	2.2	2.0	2.8	2.0	2.2	2.6	2.6	2.6	2.6	2.8
77.5°	1.7	1.5	2.0	2.0	2.0	1.5	1.7	1.5	1.7	1.5	1.7
80°	0.9	1.1	0.9	1.5	0.9	1.1	0.9	1.5	0.9	1.1	1.1
82.5°	0.2	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.6	0.6	0.2
85°	0.0	0.6	0.2	0.2	0.2	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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: P245953

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	584.3	583.4	583.7	582.0	582.0	581.5	581.7	580.3	579.8	579.2	580.0
5°	592.7	591.3	590.2	587.6	586.2	584.5	583.7	581.5	579.4	577.8	577.4
7.5°	599.5	596.4	594.5	591.0	588.5	586.5	583.7	580.6	578.0	575.7	574.1
10°	602.3	599.2	596.1	591.9	589.1	585.4	582.6	578.5	575.2	572.2	570.1
12.5°	602.6	598.6	595.8	591.0	587.4	583.4	580.3	575.7	571.8	568.7	565.7
15°	600.1	596.4	593.0	588.0	584.3	580.6	576.9	572.2	568.5	564.8	562.5
17.5°	594.5	591.0	587.1	582.2	578.9	575.5	571.6	567.6	563.3	559.4	556.6
20°	587.1	583.4	580.0	575.2	572.4	568.7	565.1	560.8	557.5	553.4	550.4
22.5°	576.1	572.7	569.6	566.8	562.2	559.4	556.9	552.1	548.6	545.0	541.7
25°	560.3	556.9	554.3	551.0	549.0	545.8	543.3	539.1	536.0	532.6	529.8
27.5°	534.3	532.3	530.9	528.9	527.2	525.7	524.4	521.0	518.7	515.7	512.9
30°	495.3	495.0	494.1	493.4	494.5	494.5	494.5	493.9	491.9	489.7	487.6
32.5°	445.4	445.9	447.1	447.8	450.1	452.7	454.9	456.0	456.0	454.7	453.8
35°	385.7	386.6	388.3	390.6	393.4	396.5	401.5	402.7	403.6	403.6	402.4
37.5°	323.9	323.6	325.3	327.3	329.0	331.3	335.0	335.7	337.2	336.6	335.5
40°	263.8	262.3	261.8	262.3	264.3	263.4	264.3	263.8	263.8	261.8	261.8
42.5°	208.1	206.4	205.3	204.5	204.5	202.5	201.1	199.7	198.8	197.4	197.1
45°	160.4	158.4	157.1	156.5	155.6	153.0	151.3	149.7	147.6	147.1	147.4
47.5°	124.5	122.5	122.0	120.6	119.2	117.7	116.6	114.7	114.3	113.2	114.3
50°	96.0	95.4	94.6	94.1	93.2	92.0	90.9	89.8	89.2	89.2	89.5
52.5°	74.5	74.9	74.0	73.1	72.5	72.5	71.2	70.8	70.8	69.7	70.8
55°	57.1	56.7	57.1	56.5	56.5	55.6	55.6	54.8	54.8	53.9	54.5
57.5°	41.8	42.4	41.8	42.0	42.6	41.8	41.5	40.7	41.3	40.7	40.9
60°	32.5	32.5	32.5	32.2	32.2	31.9	31.9	31.6	31.6	31.1	31.6
62.5°	24.0	24.3	24.3	24.3	24.5	24.3	24.0	24.3	24.0	24.0	24.3
65°	15.8	16.1	16.1	15.8	16.4	15.8	16.1	16.4	16.7	16.4	16.7
67.5°	10.8	10.8	11.0	11.3	11.0	11.3	11.5	11.3	11.5	12.1	11.5
70°	8.0	8.2	8.2	8.0	7.6	8.0	7.6	8.5	8.5	8.5	9.1
72.5°	5.0	5.0	4.8	4.8	4.8	4.8	4.8	5.6	5.0	4.8	5.4
75°	2.8	3.1	3.1	2.2	2.6	3.1	2.2	2.6	3.4	2.8	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.0	2.0	2.0	2.2
80°	1.5	1.1	1.1	0.9	1.1	1.1	1.1	1.7	1.5	1.5	1.7
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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



TEST NUMBER: P245953

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	577.8	577.8	577.4	576.9	575.7	575.7	575.5	574.6	574.1	573.8	573.8
5°	575.0	573.8	572.7	569.6	569.6	569.0	567.3	566.2	565.7	564.2	563.6
7.5°	572.4	569.0	567.0	565.1	562.5	561.4	559.4	558.6	556.6	555.1	554.3
10°	566.2	564.0	561.4	558.3	556.2	554.0	551.8	550.1	547.5	546.2	545.0
12.5°	562.0	558.6	556.2	552.9	549.5	547.5	544.5	542.5	539.9	537.1	535.4
15°	558.0	554.3	551.2	547.5	543.9	541.7	538.0	535.7	532.0	529.2	527.2
17.5°	552.1	549.0	545.6	541.0	537.6	534.8	530.9	528.1	524.6	521.0	519.0
20°	545.8	542.2	538.8	534.3	530.9	527.5	523.5	520.5	516.4	513.1	510.8
22.5°	537.6	533.4	530.6	526.1	522.2	518.5	514.8	511.1	507.5	504.7	502.1
25°	525.7	521.3	518.1	514.5	510.8	508.0	503.4	501.2	497.6	495.0	492.5
27.5°	508.8	505.5	502.7	499.0	495.8	493.6	490.2	488.0	484.8	482.6	480.6
30°	484.0	481.1	478.7	475.0	472.7	470.7	467.6	465.7	463.4	460.8	460.3
32.5°	450.6	448.4	445.9	443.4	441.7	440.6	438.0	436.9	434.6	433.2	431.8
35°	400.4	398.4	397.1	395.9	395.4	395.6	395.0	396.2	396.7	396.5	396.7
37.5°	334.6	333.5	334.1	335.0	337.8	341.5	344.8	349.9	353.2	356.7	359.7
40°	261.2	262.1	264.3	269.4	276.8	285.0	292.6	302.1	311.8	318.6	324.8
42.5°	197.1	199.7	205.3	212.7	223.6	235.7	247.6	261.8	273.3	284.6	292.6
45°	148.3	151.7	159.0	169.2	181.3	195.4	210.4	226.2	240.0	251.6	260.4
47.5°	115.5	118.6	126.0	136.6	151.7	166.4	181.8	198.2	212.7	224.0	231.6
50°	91.2	95.2	101.7	113.0	127.9	143.5	159.5	175.7	189.2	198.8	205.6
52.5°	71.7	75.4	81.6	93.5	108.7	124.2	139.2	155.0	166.9	176.2	180.7
55°	55.6	59.1	65.5	75.4	89.8	105.0	120.1	133.6	144.6	151.3	155.6
57.5°	42.4	45.0	49.4	59.3	72.3	86.4	99.1	112.7	121.2	126.0	128.8
60°	32.2	34.2	39.0	46.6	58.4	70.6	81.3	91.5	98.3	102.2	105.0
62.5°	24.3	26.6	29.9	36.4	45.5	55.4	64.3	72.0	77.7	80.2	82.2
65°	16.7	18.4	20.9	26.0	33.6	40.7	47.8	53.4	57.1	59.9	61.0
67.5°	12.4	13.6	15.0	18.9	24.3	29.9	34.8	38.7	42.6	43.7	45.7
70°	9.3	10.2	11.5	14.3	17.5	21.4	25.4	27.7	30.5	32.5	33.1
72.5°	5.9	6.2	7.6	9.3	11.9	14.3	16.9	18.9	20.6	21.7	22.3
75°	3.4	5.0	5.0	6.7	8.5	9.6	11.3	12.7	13.6	14.3	14.3
77.5°	2.2	3.1	3.4	4.3	5.0	6.5	8.0	8.7	9.6	9.9	9.9
80°	2.0	2.2	2.2	3.1	3.7	4.8	5.6	5.9	6.5	6.7	7.4
82.5°	0.9	1.1	1.5	2.2	2.6	2.6	3.4	3.7	4.3	4.5	4.5
85°	0.2	0.6	0.6	0.9	1.5	1.7	2.0	2.2	2.6	2.6	2.8
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.1	1.1	1.1	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: P245953

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	578.3	578.3	578.3	578.3	578.3	578.3	578.3
2.5°	573.3	573.5	572.4	572.2	571.6	571.8	572.4
5°	562.7	563.1	562.0	560.8	560.8	560.5	560.8
7.5°	552.9	553.2	551.5	551.0	549.9	550.1	550.1
10°	543.0	543.0	540.4	540.2	539.3	539.1	539.1
12.5°	533.4	532.6	530.6	529.4	530.0	528.3	528.3
15°	525.0	523.5	521.0	520.1	518.7	518.1	518.1
17.5°	516.2	515.1	512.9	511.1	509.4	509.2	509.4
20°	507.7	506.6	503.8	502.7	501.2	501.2	500.6
22.5°	499.3	498.2	495.6	494.7	492.8	492.8	493.0
25°	490.5	489.7	486.9	486.3	486.0	484.8	485.4
27.5°	478.7	478.1	475.9	475.0	473.8	473.5	474.1
30°	456.9	456.0	454.3	453.6	451.5	451.8	452.3
32.5°	429.8	428.7	426.4	425.5	423.9	423.3	423.6
35°	395.9	395.0	393.1	393.1	391.3	390.8	391.3
37.5°	361.4	362.3	361.4	362.3	361.4	361.2	361.4
40°	329.0	332.0	332.6	335.7	334.6	336.3	336.1
42.5°	298.0	303.0	305.0	307.5	306.9	308.1	308.9
45°	266.6	270.8	272.7	274.5	274.8	275.3	275.7
47.5°	236.9	240.3	240.6	242.6	242.2	242.2	243.1
50°	209.3	211.5	212.1	213.4	212.3	211.8	212.1
52.5°	183.5	185.9	185.2	185.9	184.4	183.8	184.1
55°	157.3	158.4	158.4	158.4	156.7	156.7	156.7
57.5°	130.5	130.7	130.1	130.5	130.1	128.5	128.2
60°	105.9	105.9	105.6	105.9	105.0	104.3	104.3
62.5°	82.7	83.3	84.4	83.3	82.7	83.3	82.5
65°	61.9	63.0	62.7	63.2	63.0	63.0	62.4
67.5°	46.6	46.9	47.2	47.4	47.4	47.4	47.4
70°	34.2	35.0	34.8	34.8	34.8	34.8	36.4
72.5°	22.9	24.0	23.8	24.3	24.3	24.9	24.3
75°	15.6	16.7	16.1	16.9	16.7	16.1	17.5
77.5°	10.4	11.0	11.3	11.5	11.3	11.0	11.3
80°	7.4	8.0	7.6	8.0	8.0	8.0	8.2
82.5°	4.5	5.4	5.0	5.4	5.0	5.4	5.4
85°	3.1	3.4	2.8	3.4	3.1	3.1	3.7
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)