

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: P245929

Luminaire Tested: **LD8B15D010 ER8B15935 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245929
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 ER8B15935 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: 1006.0 lumens
Efficiency: N/A
Efficacy: 69.9 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

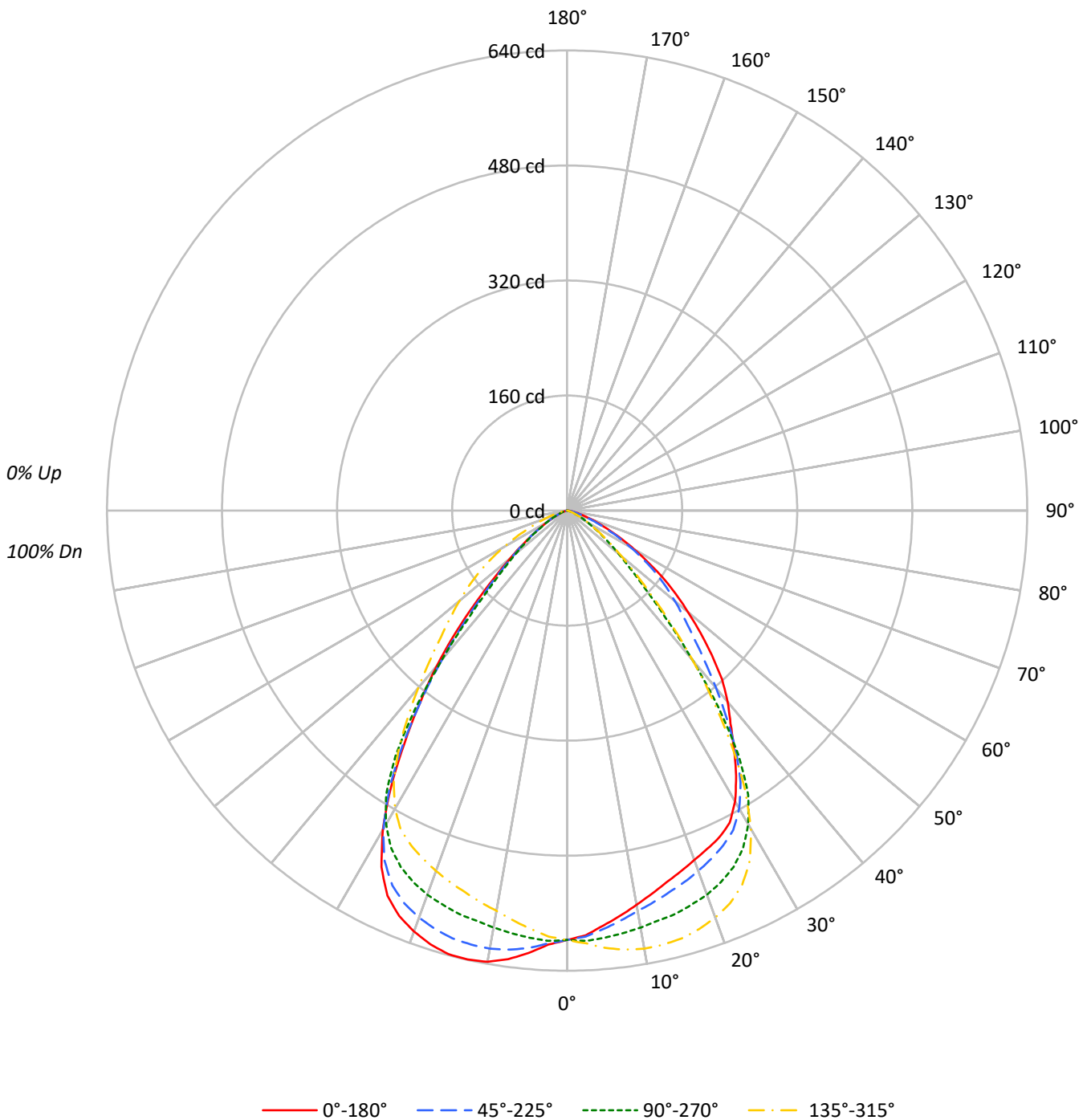
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	18415	18415	18415	18415
5°	17929	18461	19117	18461
10°	17431	18437	19952	18437
15°	17083	18545	20387	18545
20°	16966	18652	20441	18652
25°	17056	18615	20112	18615
30°	16635	17932	18256	17932
35°	15216	15645	14843	15645
40°	13968	10881	11364	10881
45°	12411	6637	7680	6637
50°	10506	4433	4927	4433
55°	8704	3027	3199	3027
60°	6636	2017	2029	2017
65°	4699	1255	1146	1255
70°	3390	838	766	838
75°	2156	417	346	417
80°	1509	320	266	320
85°	1344	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	5.7
10°-20°	164.6	16.4
20°-30°	249.3	24.8
30°-40°	249.8	24.8
40°-50°	156.9	15.6
50°-60°	83.6	8.3
60°-70°	34.4	3.4
70°-80°	9.1	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°	470.7	46.8
0°-40°	720.5	71.6
0°-60°	961.0	95.5
0°-90°	1006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	597	597	597	597	597	
5°	579	596	618	596	579	55
15°	535	581	639	581	535	151
25°	501	547	591	547	501	230
35°	404	416	394	416	404	253
45°	285	152	176	152	285	219
55°	162	56	60	56	162	144
65°	64	17	16	17	64	67
75°	18	4	3	4	18	21
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°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	591.1	590.5	590.2	590.8	591.1	592.3	592.0	592.6	592.6	592.9	593.4
5°	579.2	578.9	579.2	579.2	580.3	581.5	581.2	582.1	582.6	584.1	584.7
7.5°	568.1	568.1	567.8	568.9	569.5	571.3	571.0	572.4	573.3	574.8	576.8
10°	556.7	556.7	557.0	557.9	558.2	560.8	560.8	562.8	564.0	565.4	568.1
12.5°	545.6	545.6	547.4	546.8	547.9	550.0	550.9	552.9	554.7	557.6	560.2
15°	535.1	535.1	535.7	537.2	538.0	540.7	542.1	544.5	546.5	549.4	553.2
17.5°	526.1	525.8	526.1	527.8	529.6	531.9	533.1	536.0	538.0	541.8	545.3
20°	517.0	517.6	517.6	519.1	520.2	523.2	524.3	527.5	529.9	533.4	537.5
22.5°	509.2	508.9	508.9	510.9	511.8	514.4	515.6	518.5	521.1	524.0	527.8
25°	501.3	500.7	501.9	502.2	502.7	505.7	506.5	508.6	511.2	513.8	517.6
27.5°	489.6	489.0	489.3	490.5	491.4	493.7	494.3	496.3	498.4	500.7	503.9
30°	467.2	466.6	466.3	468.3	469.2	471.0	471.8	475.3	475.9	478.5	480.9
32.5°	437.4	437.1	437.7	439.5	440.3	442.7	443.8	445.9	447.3	448.8	451.1
35°	404.2	403.6	404.2	405.9	405.9	408.0	408.9	409.7	409.4	409.7	409.1
37.5°	373.3	373.0	373.3	374.1	373.3	374.1	373.3	371.5	368.3	364.8	361.3
40°	347.0	347.3	345.6	346.7	343.5	342.9	339.7	335.4	328.9	321.9	312.0
42.5°	319.0	318.2	317.0	317.6	315.0	312.9	307.7	302.1	293.9	282.3	270.3
45°	284.6	284.3	283.7	283.5	281.7	279.7	275.3	268.9	259.8	247.9	233.6
47.5°	251.1	250.2	250.2	250.5	248.5	248.2	244.7	239.1	231.3	219.6	204.7
50°	219.0	218.7	219.3	220.5	219.0	218.4	216.1	212.3	205.3	195.4	181.4
52.5°	190.1	189.8	190.4	191.9	191.3	191.9	189.6	186.6	182.0	172.3	160.1
55°	161.9	161.9	161.9	163.6	163.6	163.6	162.4	160.7	156.3	149.3	137.9
57.5°	132.4	132.7	134.4	134.7	134.4	135.0	134.7	133.0	130.1	125.1	116.4
60°	107.6	107.6	108.5	109.4	109.1	109.4	109.4	108.5	105.6	101.5	94.5
62.5°	85.2	86.0	85.4	86.0	87.2	86.0	85.4	84.9	82.8	80.2	74.4
65°	64.4	65.0	65.0	65.3	64.7	65.0	63.9	63.0	61.8	58.9	55.1
67.5°	49.0	49.0	49.0	49.0	48.7	48.4	48.1	47.2	45.2	44.0	39.9
70°	37.6	35.9	35.9	35.9	35.9	36.2	35.3	34.1	33.5	31.5	28.6
72.5°	25.1	25.7	25.1	25.1	24.5	24.8	23.6	23.0	22.5	21.3	19.5
75°	18.1	16.6	17.2	17.5	16.6	17.2	16.0	14.9	14.9	14.0	13.1
77.5°	11.7	11.4	11.7	12.0	11.7	11.4	10.8	10.2	10.2	9.9	9.0
80°	8.5	8.2	8.2	8.2	7.9	8.2	7.6	7.6	7.0	6.7	6.1
82.5°	5.5	5.5	5.2	5.5	5.2	5.5	4.7	4.7	4.7	4.4	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°	1.8	2.0	1.8	2.0	1.8	1.8	2.0	1.8	1.8	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°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	594.3	594.6	594.6	595.8	596.4	596.6	596.6	599.0	598.1	598.7	599.3
5°	585.9	587.6	588.2	588.2	591.4	592.6	593.7	596.4	596.6	598.4	600.4
7.5°	577.7	579.7	580.9	583.5	585.6	587.6	591.1	592.9	594.6	596.9	599.6
10°	569.8	572.2	574.5	576.5	579.7	582.4	584.7	588.8	590.8	594.0	597.5
12.5°	562.2	565.4	567.5	571.0	574.5	576.8	580.3	584.1	587.3	590.5	594.6
15°	555.5	559.3	561.7	565.4	569.2	572.4	576.2	580.9	583.2	587.0	590.8
17.5°	548.2	552.3	555.2	558.7	563.4	566.9	570.1	574.8	577.7	581.8	586.2
20°	540.7	544.7	548.2	551.7	556.4	559.9	563.7	568.4	571.6	575.6	579.2
22.5°	531.6	535.4	539.2	543.3	547.9	550.9	555.2	559.3	562.8	566.6	570.1
25°	520.0	524.6	527.5	531.3	535.1	538.3	543.0	547.1	550.0	553.5	556.7
27.5°	506.2	509.8	512.1	515.3	519.1	522.0	525.5	529.6	532.5	535.7	538.0
30°	482.9	486.1	488.2	490.5	494.3	496.9	499.8	503.6	505.7	508.0	510.0
32.5°	452.3	454.9	456.1	457.8	460.5	463.1	465.4	468.6	469.5	471.0	471.0
35°	408.0	408.6	408.3	408.9	410.0	411.5	413.5	415.6	416.7	416.7	415.9
37.5°	356.1	352.6	348.8	345.9	345.0	344.4	345.6	346.4	347.6	348.2	346.7
40°	302.1	294.2	285.8	278.2	273.0	270.6	269.7	270.3	270.3	272.4	272.4
42.5°	255.8	243.5	231.0	219.6	212.0	206.2	203.5	203.5	203.8	205.3	206.2
45°	217.3	201.8	187.2	174.7	164.2	156.6	153.1	152.2	151.9	152.5	154.6
47.5°	187.8	171.8	156.6	141.1	130.1	122.5	119.3	118.1	116.9	118.1	118.4
50°	164.8	148.1	132.1	116.6	105.0	98.3	94.2	92.4	92.1	92.1	92.7
52.5°	143.8	128.3	112.3	96.5	84.3	77.9	74.1	73.2	72.0	73.2	73.2
55°	123.9	108.5	92.7	77.9	67.6	61.0	57.4	56.3	55.7	56.6	56.6
57.5°	102.4	89.2	74.7	61.2	51.0	46.4	43.7	42.3	42.0	42.6	42.0
60°	84.0	72.9	60.4	48.1	40.2	35.3	33.2	32.7	32.1	32.7	32.7
62.5°	66.5	57.2	46.9	37.6	30.9	27.4	25.1	25.1	24.8	24.8	25.1
65°	49.3	42.0	34.7	26.8	21.6	19.0	17.2	17.2	16.9	17.2	16.9
67.5°	35.9	30.9	25.1	19.5	15.5	14.0	12.8	12.0	12.5	12.0	11.7
70°	26.3	22.2	18.1	14.9	12.0	10.5	9.6	9.3	8.8	8.8	8.8
72.5°	17.5	14.9	12.2	9.6	7.9	6.4	6.1	5.5	5.0	5.2	5.8
75°	11.7	9.9	8.8	7.0	5.2	5.2	3.5	3.5	2.9	3.5	2.6
77.5°	8.2	6.7	5.2	4.4	3.5	3.2	2.3	2.3	2.0	2.0	2.0
80°	5.8	5.0	3.8	3.2	2.3	2.3	2.0	1.8	1.5	1.5	1.8
82.5°	3.5	2.6	2.6	2.3	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.0	1.8	1.5	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°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	600.7	600.4	601.0	601.0	602.8	602.5	603.4	603.4	602.8	603.1	604.2
5°	602.8	603.7	605.4	606.9	609.5	610.6	612.1	613.6	613.9	614.7	615.6
7.5°	602.8	605.7	607.7	610.3	613.9	615.9	619.1	621.7	622.9	624.3	626.1
10°	601.6	604.5	608.3	611.2	615.6	618.8	622.0	626.1	627.9	630.2	632.5
12.5°	599.3	602.5	606.6	610.3	615.3	618.2	622.3	626.1	628.7	631.9	634.6
15°	595.8	599.6	603.4	607.1	612.4	615.9	619.7	624.1	626.7	630.2	632.5
17.5°	590.2	594.3	597.8	601.3	606.3	610.3	613.9	617.9	620.6	623.5	626.7
20°	583.5	587.3	591.1	594.0	599.0	602.5	606.3	610.1	612.1	612.7	617.6
22.5°	575.1	577.7	580.6	585.3	588.2	591.4	594.9	598.4	600.4	603.7	605.4
25°	561.1	563.7	566.9	568.9	572.4	575.1	578.6	582.4	583.5	585.9	587.6
27.5°	541.5	543.0	544.5	546.2	548.2	549.7	551.7	553.5	554.7	555.8	557.0
30°	510.6	510.6	510.6	509.5	510.3	511.2	511.5	511.2	511.2	510.9	510.9
32.5°	469.8	467.5	464.8	462.5	461.6	460.5	459.9	459.0	457.5	456.7	457.0
35°	414.7	409.4	406.2	403.3	401.0	399.2	398.3	397.5	397.2	396.0	394.8
37.5°	345.9	342.1	339.7	338.0	335.9	334.2	334.5	334.8	335.6	335.1	335.4
40°	273.0	272.1	273.0	270.9	270.3	270.9	272.4	274.4	275.6	276.7	278.8
42.5°	207.6	209.1	211.1	211.1	212.0	213.2	214.9	218.1	219.9	221.9	224.3
45°	156.3	158.1	160.7	161.6	162.1	163.6	165.6	168.3	169.4	171.2	173.2
47.5°	120.4	121.6	123.1	124.5	126.0	126.6	128.6	128.6	130.1	131.2	131.8
50°	93.9	95.1	96.2	97.1	97.7	98.6	99.1	100.0	100.3	100.9	101.2
52.5°	73.5	74.9	74.9	75.5	76.4	77.3	77.0	77.3	77.6	77.6	78.4
55°	57.4	57.4	58.3	58.3	58.9	58.6	58.9	58.9	58.9	58.9	59.2
57.5°	42.9	43.2	44.0	43.5	43.2	43.7	43.2	43.7	43.5	44.0	43.2
60°	32.9	32.9	33.2	33.2	33.5	33.5	33.5	33.2	33.2	32.9	32.9
62.5°	24.8	25.1	25.4	25.1	25.1	25.1	24.8	24.8	24.5	24.2	24.2
65°	16.6	16.3	16.9	16.3	16.6	16.6	16.3	16.6	15.7	16.0	15.7
67.5°	12.0	11.7	11.4	11.7	11.4	11.1	11.1	11.4	11.7	10.8	10.8
70°	7.9	8.2	7.9	8.2	8.5	8.5	8.2	7.9	8.2	7.6	7.9
72.5°	5.0	5.0	5.0	5.0	5.0	5.2	5.2	5.2	4.7	4.7	4.4
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	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.5
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.5	1.2	1.2	0.9	1.5
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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CATALOG NUMBER: LD8B15D010 ER8B15935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	603.9	603.7	603.9	604.2	603.9	603.7	603.9	604.2	603.1	602.8	603.4
5°	616.8	616.8	617.3	617.6	617.3	616.8	616.8	615.6	614.7	613.9	613.6
7.5°	627.9	628.4	629.0	629.3	629.0	628.4	627.9	626.1	624.3	622.9	621.7
10°	634.6	635.4	636.6	637.2	636.6	635.4	634.6	632.5	630.2	627.9	626.1
12.5°	637.5	638.4	639.8	639.5	639.8	638.4	637.5	634.6	631.9	628.7	626.1
15°	635.4	636.6	638.1	638.6	638.1	636.6	635.4	632.5	630.2	626.7	624.1
17.5°	629.0	630.8	631.6	632.5	631.6	630.8	629.0	626.7	623.5	620.6	617.9
20°	620.3	621.4	622.6	622.9	622.6	621.4	620.3	617.6	612.7	612.1	610.1
22.5°	607.7	608.6	611.2	610.3	611.2	608.6	607.7	605.4	603.7	600.4	598.4
25°	589.6	590.5	590.8	591.1	590.8	590.5	589.6	587.6	585.9	583.5	582.4
27.5°	558.4	558.4	559.0	559.3	559.0	558.4	558.4	557.0	555.8	554.7	553.5
30°	511.2	511.2	511.2	512.7	511.2	511.2	511.2	510.9	510.9	511.2	511.2
32.5°	456.7	456.1	455.5	456.1	455.5	456.1	456.7	457.0	456.7	457.5	459.0
35°	394.8	394.6	395.4	394.3	395.4	394.6	394.8	394.8	396.0	397.2	397.5
37.5°	335.6	335.1	336.2	335.1	336.2	335.1	335.6	335.4	335.1	335.6	334.8
40°	279.4	280.0	280.0	282.3	280.0	280.0	279.4	278.8	276.7	275.6	274.4
42.5°	225.4	227.2	226.6	228.3	226.6	227.2	225.4	224.3	221.9	219.9	218.1
45°	174.4	175.6	175.6	176.1	175.6	175.6	174.4	173.2	171.2	169.4	168.3
47.5°	133.8	133.8	133.8	134.1	133.8	133.8	133.8	131.8	131.2	130.1	128.6
50°	101.8	102.1	102.4	102.7	102.4	102.1	101.8	101.2	100.9	100.3	100.0
52.5°	78.2	78.4	77.9	78.4	77.9	78.4	78.2	78.4	77.6	77.6	77.3
55°	59.2	58.9	59.2	59.5	59.2	58.9	59.2	59.2	58.9	58.9	58.9
57.5°	43.5	42.9	42.9	42.9	42.9	42.9	43.5	43.2	44.0	43.5	43.7
60°	32.4	32.7	32.7	32.9	32.7	32.7	32.4	32.9	32.9	33.2	33.2
62.5°	23.9	24.8	24.2	24.8	24.2	24.8	23.9	24.2	24.2	24.5	24.8
65°	15.5	15.5	15.5	15.7	15.5	15.5	15.5	15.7	16.0	15.7	16.6
67.5°	10.5	10.8	11.4	11.1	11.4	10.8	10.5	10.8	10.8	11.7	11.4
70°	8.5	7.6	7.6	8.5	7.6	7.6	8.5	7.9	7.6	8.2	7.9
72.5°	5.0	4.4	5.0	5.0	5.0	4.4	5.0	4.4	4.7	4.7	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°	1.8	1.5	2.0	2.0	2.0	1.5	1.8	1.5	1.8	1.5	1.8
80°	0.9	1.2	0.9	1.5	0.9	1.2	0.9	1.5	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°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	603.4	602.5	602.8	601.0	601.0	600.4	600.7	599.3	598.7	598.1	599.0
5°	612.1	610.6	609.5	606.9	605.4	603.7	602.8	600.4	598.4	596.6	596.4
7.5°	619.1	615.9	613.9	610.3	607.7	605.7	602.8	599.6	596.9	594.6	592.9
10°	622.0	618.8	615.6	611.2	608.3	604.5	601.6	597.5	594.0	590.8	588.8
12.5°	622.3	618.2	615.3	610.3	606.6	602.5	599.3	594.6	590.5	587.3	584.1
15°	619.7	615.9	612.4	607.1	603.4	599.6	595.8	590.8	587.0	583.2	580.9
17.5°	613.9	610.3	606.3	601.3	597.8	594.3	590.2	586.2	581.8	577.7	574.8
20°	606.3	602.5	599.0	594.0	591.1	587.3	583.5	579.2	575.6	571.6	568.4
22.5°	594.9	591.4	588.2	585.3	580.6	577.7	575.1	570.1	566.6	562.8	559.3
25°	578.6	575.1	572.4	568.9	566.9	563.7	561.1	556.7	553.5	550.0	547.1
27.5°	551.7	549.7	548.2	546.2	544.5	543.0	541.5	538.0	535.7	532.5	529.6
30°	511.5	511.2	510.3	509.5	510.6	510.6	510.6	510.0	508.0	505.7	503.6
32.5°	459.9	460.5	461.6	462.5	464.8	467.5	469.8	471.0	471.0	469.5	468.6
35°	398.3	399.2	401.0	403.3	406.2	409.4	414.7	415.9	416.7	416.7	415.6
37.5°	334.5	334.2	335.9	338.0	339.7	342.1	345.9	346.7	348.2	347.6	346.4
40°	272.4	270.9	270.3	270.9	273.0	272.1	273.0	272.4	272.4	270.3	270.3
42.5°	214.9	213.2	212.0	211.1	211.1	209.1	207.6	206.2	205.3	203.8	203.5
45°	165.6	163.6	162.1	161.6	160.7	158.1	156.3	154.6	152.5	151.9	152.2
47.5°	128.6	126.6	126.0	124.5	123.1	121.6	120.4	118.4	118.1	116.9	118.1
50°	99.1	98.6	97.7	97.1	96.2	95.1	93.9	92.7	92.1	92.1	92.4
52.5°	77.0	77.3	76.4	75.5	74.9	74.9	73.5	73.2	73.2	72.0	73.2
55°	58.9	58.6	58.9	58.3	58.3	57.4	57.4	56.6	56.6	55.7	56.3
57.5°	43.2	43.7	43.2	43.5	44.0	43.2	42.9	42.0	42.6	42.0	42.3
60°	33.5	33.5	33.5	33.2	33.2	32.9	32.9	32.7	32.7	32.1	32.7
62.5°	24.8	25.1	25.1	25.1	25.4	25.1	24.8	25.1	24.8	24.8	25.1
65°	16.3	16.6	16.6	16.3	16.9	16.3	16.6	16.9	17.2	16.9	17.2
67.5°	11.1	11.1	11.4	11.7	11.4	11.7	12.0	11.7	12.0	12.5	12.0
70°	8.2	8.5	8.5	8.2	7.9	8.2	7.9	8.8	8.8	8.8	9.3
72.5°	5.2	5.2	5.0	5.0	5.0	5.0	5.0	5.8	5.2	5.0	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°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.0	2.0	2.0	2.3
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.8	1.5	1.5	1.8
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



TEST NUMBER: P245929

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	596.6	596.6	596.4	595.8	594.6	594.6	594.3	593.4	592.9	592.6	592.6
5°	593.7	592.6	591.4	588.2	588.2	587.6	585.9	584.7	584.1	582.6	582.1
7.5°	591.1	587.6	585.6	583.5	580.9	579.7	577.7	576.8	574.8	573.3	572.4
10°	584.7	582.4	579.7	576.5	574.5	572.2	569.8	568.1	565.4	564.0	562.8
12.5°	580.3	576.8	574.5	571.0	567.5	565.4	562.2	560.2	557.6	554.7	552.9
15°	576.2	572.4	569.2	565.4	561.7	559.3	555.5	553.2	549.4	546.5	544.5
17.5°	570.1	566.9	563.4	558.7	555.2	552.3	548.2	545.3	541.8	538.0	536.0
20°	563.7	559.9	556.4	551.7	548.2	544.7	540.7	537.5	533.4	529.9	527.5
22.5°	555.2	550.9	547.9	543.3	539.2	535.4	531.6	527.8	524.0	521.1	518.5
25°	543.0	538.3	535.1	531.3	527.5	524.6	520.0	517.6	513.8	511.2	508.6
27.5°	525.5	522.0	519.1	515.3	512.1	509.8	506.2	503.9	500.7	498.4	496.3
30°	499.8	496.9	494.3	490.5	488.2	486.1	482.9	480.9	478.5	475.9	475.3
32.5°	465.4	463.1	460.5	457.8	456.1	454.9	452.3	451.1	448.8	447.3	445.9
35°	413.5	411.5	410.0	408.9	408.3	408.6	408.0	409.1	409.7	409.4	409.7
37.5°	345.6	344.4	345.0	345.9	348.8	352.6	356.1	361.3	364.8	368.3	371.5
40°	269.7	270.6	273.0	278.2	285.8	294.2	302.1	312.0	321.9	328.9	335.4
42.5°	203.5	206.2	212.0	219.6	231.0	243.5	255.8	270.3	282.3	293.9	302.1
45°	153.1	156.6	164.2	174.7	187.2	201.8	217.3	233.6	247.9	259.8	268.9
47.5°	119.3	122.5	130.1	141.1	156.6	171.8	187.8	204.7	219.6	231.3	239.1
50°	94.2	98.3	105.0	116.6	132.1	148.1	164.8	181.4	195.4	205.3	212.3
52.5°	74.1	77.9	84.3	96.5	112.3	128.3	143.8	160.1	172.3	182.0	186.6
55°	57.4	61.0	67.6	77.9	92.7	108.5	123.9	137.9	149.3	156.3	160.7
57.5°	43.7	46.4	51.0	61.2	74.7	89.2	102.4	116.4	125.1	130.1	133.0
60°	33.2	35.3	40.2	48.1	60.4	72.9	84.0	94.5	101.5	105.6	108.5
62.5°	25.1	27.4	30.9	37.6	46.9	57.2	66.5	74.4	80.2	82.8	84.9
65°	17.2	19.0	21.6	26.8	34.7	42.0	49.3	55.1	58.9	61.8	63.0
67.5°	12.8	14.0	15.5	19.5	25.1	30.9	35.9	39.9	44.0	45.2	47.2
70°	9.6	10.5	12.0	14.9	18.1	22.2	26.3	28.6	31.5	33.5	34.1
72.5°	6.1	6.4	7.9	9.6	12.2	14.9	17.5	19.5	21.3	22.5	23.0
75°	3.5	5.2	5.2	7.0	8.8	9.9	11.7	13.1	14.0	14.9	14.9
77.5°	2.3	3.2	3.5	4.4	5.2	6.7	8.2	9.0	9.9	10.2	10.2
80°	2.0	2.3	2.3	3.2	3.8	5.0	5.8	6.1	6.7	7.0	7.6
82.5°	0.9	1.2	1.5	2.3	2.6	2.6	3.5	3.8	4.4	4.7	4.7
85°	0.3	0.6	0.6	0.9	1.5	1.8	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	1.8	1.8
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: P245929

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	597.2	597.2	597.2	597.2	597.2	597.2	597.2
2.5°	592.0	592.3	591.1	590.8	590.2	590.5	591.1
5°	581.2	581.5	580.3	579.2	579.2	578.9	579.2
7.5°	571.0	571.3	569.5	568.9	567.8	568.1	568.1
10°	560.8	560.8	558.2	557.9	557.0	556.7	556.7
12.5°	550.9	550.0	547.9	546.8	547.4	545.6	545.6
15°	542.1	540.7	538.0	537.2	535.7	535.1	535.1
17.5°	533.1	531.9	529.6	527.8	526.1	525.8	526.1
20°	524.3	523.2	520.2	519.1	517.6	517.6	517.0
22.5°	515.6	514.4	511.8	510.9	508.9	508.9	509.2
25°	506.5	505.7	502.7	502.2	501.9	500.7	501.3
27.5°	494.3	493.7	491.4	490.5	489.3	489.0	489.6
30°	471.8	471.0	469.2	468.3	466.3	466.6	467.2
32.5°	443.8	442.7	440.3	439.5	437.7	437.1	437.4
35°	408.9	408.0	405.9	405.9	404.2	403.6	404.2
37.5°	373.3	374.1	373.3	374.1	373.3	373.0	373.3
40°	339.7	342.9	343.5	346.7	345.6	347.3	347.0
42.5°	307.7	312.9	315.0	317.6	317.0	318.2	319.0
45°	275.3	279.7	281.7	283.5	283.7	284.3	284.6
47.5°	244.7	248.2	248.5	250.5	250.2	250.2	251.1
50°	216.1	218.4	219.0	220.5	219.3	218.7	219.0
52.5°	189.6	191.9	191.3	191.9	190.4	189.8	190.1
55°	162.4	163.6	163.6	163.6	161.9	161.9	161.9
57.5°	134.7	135.0	134.4	134.7	134.4	132.7	132.4
60°	109.4	109.4	109.1	109.4	108.5	107.6	107.6
62.5°	85.4	86.0	87.2	86.0	85.4	86.0	85.2
65°	63.9	65.0	64.7	65.3	65.0	65.0	64.4
67.5°	48.1	48.4	48.7	49.0	49.0	49.0	49.0
70°	35.3	36.2	35.9	35.9	35.9	35.9	37.6
72.5°	23.6	24.8	24.5	25.1	25.1	25.7	25.1
75°	16.0	17.2	16.6	17.5	17.2	16.6	18.1
77.5°	10.8	11.4	11.7	12.0	11.7	11.4	11.7
80°	7.6	8.2	7.9	8.2	8.2	8.2	8.5
82.5°	4.7	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	1.8	1.8	2.0	1.8	2.0	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)