

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: P246006

Luminaire Tested: **LD8B10D010 ER8B10940 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246006
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: LD8B10D010 ER8B10940 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.0 lumens
Efficiency: N/A
Efficacy: 98.5 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

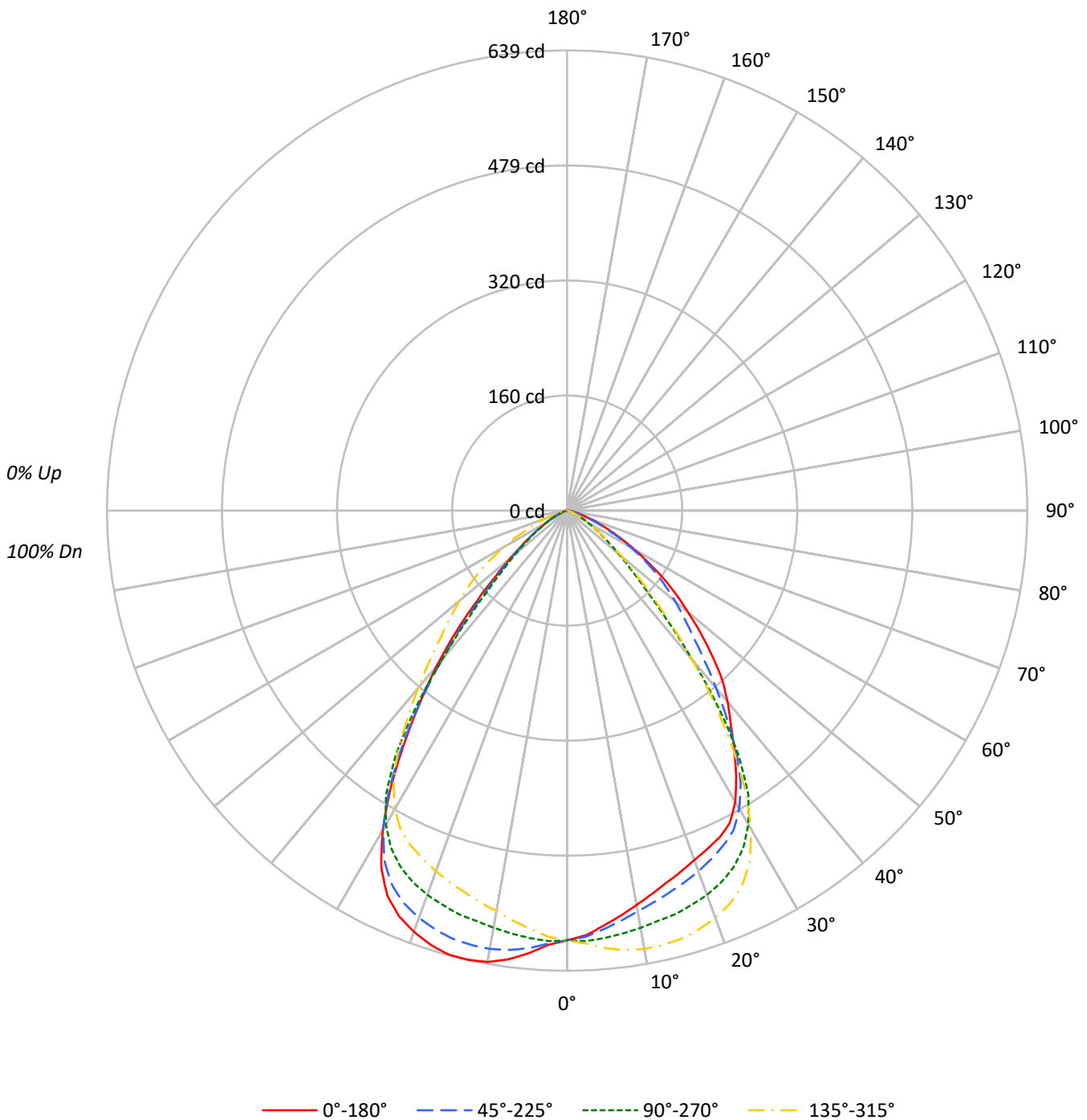
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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°	18397	18397	18397	18397
5°	17910	18442	19099	18442
10°	17413	18418	19930	18418
15°	17067	18526	20368	18526
20°	16949	18633	20421	18633
25°	17039	18594	20091	18594
30°	16618	17914	18238	17914
35°	15201	15626	14828	15626
40°	13956	10873	11352	10873
45°	12398	6633	7675	6633
50°	10496	4428	4917	4428
55°	8693	3021	3193	3021
60°	6630	2011	2029	2011
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°	164.4	16.4
20°-30°	249.0	24.8
30°-40°	249.6	24.8
40°-50°	156.7	15.6
50°-60°	83.5	8.3
60°-70°	34.3	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°	470.2	46.8
0°-40°	719.8	71.6
0°-60°	960.0	95.5
0°-90°	1005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	597	597	597	597	597	
5°	579	596	617	596	579	55
15°	535	580	638	580	535	151
25°	501	546	590	546	501	230
35°	404	415	394	415	404	253
45°	284	152	176	152	284	219
55°	162	56	59	56	162	144
65°	64	17	16	17	64	67
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°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	590.5	589.9	589.6	590.2	590.5	591.7	591.4	592.0	592.0	592.3	592.8
5°	578.6	578.3	578.6	578.6	579.7	580.9	580.6	581.5	582.1	583.5	584.1
7.5°	567.5	567.5	567.2	568.4	569.0	570.7	570.4	571.9	572.8	574.2	576.2
10°	556.1	556.1	556.4	557.3	557.6	560.2	560.2	562.3	563.4	564.9	567.5
12.5°	545.1	545.1	546.8	546.2	547.4	549.4	550.3	552.4	554.1	557.0	559.6
15°	534.6	534.6	535.2	536.6	537.5	540.1	541.6	543.9	545.9	548.9	552.7
17.5°	525.6	525.3	525.6	527.3	529.1	531.4	532.5	535.5	537.5	541.3	544.8
20°	516.5	517.1	517.1	518.6	519.7	522.6	523.8	527.0	529.3	532.8	536.9
22.5°	508.7	508.4	508.4	510.4	511.3	513.9	515.1	518.0	520.6	523.5	527.3
25°	500.8	500.2	501.4	501.7	502.2	505.2	506.0	508.1	510.7	513.3	517.1
27.5°	489.1	488.6	488.8	490.0	490.9	493.2	493.8	495.8	497.9	500.2	503.4
30°	466.7	466.1	465.8	467.9	468.7	470.5	471.4	474.9	475.4	478.1	480.4
32.5°	437.0	436.7	437.3	439.0	439.9	442.2	443.4	445.4	446.9	448.4	450.7
35°	403.8	403.2	403.8	405.5	405.5	407.6	408.4	409.3	409.0	409.3	408.7
37.5°	372.9	372.6	372.9	373.8	372.9	373.8	372.9	371.2	368.0	364.5	360.9
40°	346.7	347.0	345.2	346.4	343.2	342.6	339.4	335.0	328.6	321.6	311.7
42.5°	318.7	317.8	316.7	317.3	314.6	312.6	307.3	301.8	293.7	282.0	270.1
45°	284.3	284.0	283.5	283.2	281.4	279.4	275.0	268.6	259.6	247.6	233.3
47.5°	250.8	250.0	250.0	250.2	248.2	247.9	244.4	238.9	231.0	219.4	204.5
50°	218.8	218.5	219.1	220.2	218.8	218.2	215.9	212.1	205.1	195.2	181.2
52.5°	189.9	189.7	190.2	191.7	191.1	191.7	189.4	186.5	181.8	172.2	159.9
55°	161.7	161.7	161.7	163.4	163.4	163.4	162.3	160.5	156.2	149.2	137.8
57.5°	132.3	132.6	134.3	134.6	134.3	134.9	134.6	132.8	129.9	125.0	116.2
60°	107.5	107.5	108.4	109.3	109.0	109.3	109.3	108.4	105.5	101.4	94.4
62.5°	85.1	85.9	85.4	85.9	87.1	85.9	85.4	84.8	82.7	80.1	74.3
65°	64.4	65.0	65.0	65.3	64.7	65.0	63.8	62.9	61.8	58.9	55.1
67.5°	48.9	48.9	48.9	48.9	48.6	48.4	48.1	47.2	45.2	44.0	39.9
70°	37.6	35.8	35.8	35.8	35.8	36.1	35.3	34.1	33.5	31.5	28.6
72.5°	25.0	25.6	25.0	25.0	24.5	24.8	23.6	23.0	22.4	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	11.9	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°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	593.7	594.0	594.0	595.2	595.8	596.0	596.0	598.4	597.5	598.1	598.7
5°	585.3	587.0	587.6	587.6	590.8	592.0	593.1	595.8	596.0	597.8	599.8
7.5°	577.1	579.2	580.3	582.9	585.0	587.0	590.5	592.3	594.0	596.3	599.0
10°	569.2	571.6	573.9	576.0	579.2	581.8	584.1	588.2	590.2	593.4	596.9
12.5°	561.7	564.9	566.9	570.4	573.9	576.2	579.7	583.5	586.7	589.9	594.0
15°	555.0	558.8	561.1	564.9	568.7	571.9	575.7	580.3	582.7	586.4	590.2
17.5°	547.7	551.8	554.7	558.2	562.8	566.3	569.5	574.2	577.1	581.2	585.6
20°	540.1	544.2	547.7	551.2	555.9	559.3	563.1	567.8	571.0	575.1	578.6
22.5°	531.1	534.9	538.7	542.7	547.4	550.3	554.7	558.8	562.3	566.0	569.5
25°	519.4	524.1	527.0	530.8	534.6	537.8	542.4	546.5	549.4	552.9	556.1
27.5°	505.7	509.2	511.6	514.8	518.6	521.5	525.0	529.1	532.0	535.2	537.5
30°	482.4	485.6	487.7	490.0	493.8	496.4	499.3	503.1	505.2	507.5	509.5
32.5°	451.8	454.5	455.6	457.4	460.0	462.6	465.0	468.2	469.0	470.5	470.5
35°	407.6	408.1	407.9	408.4	409.6	411.1	413.1	415.1	416.3	416.3	415.4
37.5°	355.7	352.2	348.4	345.5	344.6	344.1	345.2	346.1	347.3	347.8	346.4
40°	301.8	294.0	285.5	277.9	272.7	270.4	269.5	270.1	270.1	272.1	272.1
42.5°	255.5	243.3	230.7	219.4	211.8	206.0	203.3	203.3	203.6	205.1	206.0
45°	217.0	201.6	187.0	174.5	164.0	156.4	152.9	152.1	151.8	152.4	154.4
47.5°	187.6	171.6	156.4	141.0	129.9	122.4	119.2	118.0	116.8	118.0	118.3
50°	164.6	148.0	132.0	116.5	104.9	98.2	94.1	92.3	92.1	92.1	92.6
52.5°	143.6	128.2	112.2	96.4	84.2	77.8	74.0	73.1	72.0	73.1	73.1
55°	123.8	108.4	92.6	77.8	67.6	60.9	57.4	56.2	55.6	56.5	56.5
57.5°	102.3	89.1	74.6	61.2	51.0	46.3	43.7	42.2	41.9	42.5	41.9
60°	83.9	72.8	60.3	48.1	40.2	35.3	33.2	32.6	32.0	32.6	32.6
62.5°	66.4	57.1	46.9	37.6	30.9	27.4	25.0	25.0	24.8	24.8	25.0
65°	49.2	41.9	34.7	26.8	21.6	18.9	17.2	17.2	16.9	17.2	16.9
67.5°	35.8	30.9	25.0	19.5	15.4	14.0	12.8	11.9	12.5	11.9	11.7
70°	26.2	22.1	18.1	14.9	11.9	10.5	9.6	9.3	8.7	8.7	8.7
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	8.7	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°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	600.1	599.8	600.4	600.4	602.2	601.9	602.8	602.8	602.2	602.5	603.6
5°	602.2	603.1	604.8	606.3	608.9	610.0	611.5	613.0	613.2	614.1	615.0
7.5°	602.2	605.1	607.1	609.7	613.2	615.3	618.5	621.1	622.3	623.7	625.5
10°	601.0	603.9	607.7	610.6	615.0	618.2	621.4	625.5	627.2	629.6	631.9
12.5°	598.7	601.9	606.0	609.7	614.7	617.6	621.7	625.5	628.1	631.3	633.9
15°	595.2	599.0	602.8	606.5	611.8	615.3	619.1	623.4	626.1	629.6	631.9
17.5°	589.6	593.7	597.2	600.7	605.7	609.7	613.2	617.3	619.9	622.9	626.1
20°	582.9	586.7	590.5	593.4	598.4	601.9	605.7	609.5	611.5	612.1	617.0
22.5°	574.5	577.1	580.0	584.7	587.6	590.8	594.3	597.8	599.8	603.1	604.8
25°	560.5	563.1	566.3	568.4	571.9	574.5	578.0	581.8	582.9	585.3	587.0
27.5°	541.0	542.4	543.9	545.6	547.7	549.2	551.2	552.9	554.1	555.3	556.4
30°	510.1	510.1	510.1	508.9	509.8	510.7	511.0	510.7	510.7	510.4	510.4
32.5°	469.3	467.0	464.4	462.0	461.2	460.0	459.4	458.5	457.1	456.2	456.5
35°	414.3	409.0	405.8	402.9	400.6	398.8	398.0	397.1	396.8	395.6	394.5
37.5°	345.5	341.7	339.4	337.6	335.6	333.9	334.1	334.4	335.3	334.7	335.0
40°	272.7	271.8	272.7	270.6	270.1	270.6	272.1	274.1	275.3	276.5	278.5
42.5°	207.4	208.9	210.9	210.9	211.8	213.0	214.7	217.9	219.7	221.7	224.0
45°	156.2	157.9	160.5	161.4	162.0	163.4	165.5	168.1	169.3	171.0	173.0
47.5°	120.3	121.5	122.9	124.4	125.8	126.4	128.5	128.5	129.9	131.1	131.7
50°	93.8	95.0	96.1	97.0	97.6	98.5	99.0	99.9	100.2	100.8	101.1
52.5°	73.4	74.9	74.9	75.4	76.3	77.2	76.9	77.2	77.5	77.5	78.4
55°	57.4	57.4	58.3	58.3	58.9	58.6	58.9	58.9	58.9	58.9	59.1
57.5°	42.8	43.1	44.0	43.4	43.1	43.7	43.1	43.7	43.4	44.0	43.1
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	25.0	25.3	25.0	25.0	25.0	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°	11.9	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



TEST NUMBER: P246006

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	603.3	603.1	603.3	603.6	603.3	603.1	603.3	603.6	602.5	602.2	602.8
5°	616.2	616.2	616.7	617.0	616.7	616.2	616.2	615.0	614.1	613.2	613.0
7.5°	627.2	627.8	628.4	628.7	628.4	627.8	627.2	625.5	623.7	622.3	621.1
10°	633.9	634.8	636.0	636.5	636.0	634.8	633.9	631.9	629.6	627.2	625.5
12.5°	636.8	637.7	639.2	638.9	639.2	637.7	636.8	633.9	631.3	628.1	625.5
15°	634.8	636.0	637.4	638.0	637.4	636.0	634.8	631.9	629.6	626.1	623.4
17.5°	628.4	630.1	631.0	631.9	631.0	630.1	628.4	626.1	622.9	619.9	617.3
20°	619.6	620.8	622.0	622.3	622.0	620.8	619.6	617.0	612.1	611.5	609.5
22.5°	607.1	608.0	610.6	609.7	610.6	608.0	607.1	604.8	603.1	599.8	597.8
25°	589.1	589.9	590.2	590.5	590.2	589.9	589.1	587.0	585.3	582.9	581.8
27.5°	557.9	557.9	558.5	558.8	558.5	557.9	557.9	556.4	555.3	554.1	552.9
30°	510.7	510.7	510.7	512.2	510.7	510.7	510.7	510.4	510.4	510.7	510.7
32.5°	456.2	455.6	455.1	455.6	455.1	455.6	456.2	456.5	456.2	457.1	458.5
35°	394.5	394.2	395.0	393.9	395.0	394.2	394.5	394.5	395.6	396.8	397.1
37.5°	335.3	334.7	335.9	334.7	335.9	334.7	335.3	335.0	334.7	335.3	334.4
40°	279.1	279.7	279.7	282.0	279.7	279.7	279.1	278.5	276.5	275.3	274.1
42.5°	225.2	226.9	226.4	228.1	226.4	226.9	225.2	224.0	221.7	219.7	217.9
45°	174.2	175.4	175.4	176.0	175.4	175.4	174.2	173.0	171.0	169.3	168.1
47.5°	133.7	133.7	133.7	134.0	133.7	133.7	133.7	131.7	131.1	129.9	128.5
50°	101.7	102.0	102.3	102.5	102.3	102.0	101.7	101.1	100.8	100.2	99.9
52.5°	78.1	78.4	77.8	78.4	77.8	78.4	78.1	78.4	77.5	77.5	77.2
55°	59.1	58.9	59.1	59.4	59.1	58.9	59.1	59.1	58.9	58.9	58.9
57.5°	43.4	42.8	42.8	42.8	42.8	42.8	43.4	43.1	44.0	43.4	43.7
60°	32.3	32.6	32.6	32.9	32.6	32.6	32.3	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°	15.4	15.4	15.4	15.7	15.4	15.4	15.4	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



TEST NUMBER: P246006

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	602.8	601.9	602.2	600.4	600.4	599.8	600.1	598.7	598.1	597.5	598.4
5°	611.5	610.0	608.9	606.3	604.8	603.1	602.2	599.8	597.8	596.0	595.8
7.5°	618.5	615.3	613.2	609.7	607.1	605.1	602.2	599.0	596.3	594.0	592.3
10°	621.4	618.2	615.0	610.6	607.7	603.9	601.0	596.9	593.4	590.2	588.2
12.5°	621.7	617.6	614.7	609.7	606.0	601.9	598.7	594.0	589.9	586.7	583.5
15°	619.1	615.3	611.8	606.5	602.8	599.0	595.2	590.2	586.4	582.7	580.3
17.5°	613.2	609.7	605.7	600.7	597.2	593.7	589.6	585.6	581.2	577.1	574.2
20°	605.7	601.9	598.4	593.4	590.5	586.7	582.9	578.6	575.1	571.0	567.8
22.5°	594.3	590.8	587.6	584.7	580.0	577.1	574.5	569.5	566.0	562.3	558.8
25°	578.0	574.5	571.9	568.4	566.3	563.1	560.5	556.1	552.9	549.4	546.5
27.5°	551.2	549.2	547.7	545.6	543.9	542.4	541.0	537.5	535.2	532.0	529.1
30°	511.0	510.7	509.8	508.9	510.1	510.1	510.1	509.5	507.5	505.2	503.1
32.5°	459.4	460.0	461.2	462.0	464.4	467.0	469.3	470.5	470.5	469.0	468.2
35°	398.0	398.8	400.6	402.9	405.8	409.0	414.3	415.4	416.3	416.3	415.1
37.5°	334.1	333.9	335.6	337.6	339.4	341.7	345.5	346.4	347.8	347.3	346.1
40°	272.1	270.6	270.1	270.6	272.7	271.8	272.7	272.1	272.1	270.1	270.1
42.5°	214.7	213.0	211.8	210.9	210.9	208.9	207.4	206.0	205.1	203.6	203.3
45°	165.5	163.4	162.0	161.4	160.5	157.9	156.2	154.4	152.4	151.8	152.1
47.5°	128.5	126.4	125.8	124.4	122.9	121.5	120.3	118.3	118.0	116.8	118.0
50°	99.0	98.5	97.6	97.0	96.1	95.0	93.8	92.6	92.1	92.1	92.3
52.5°	76.9	77.2	76.3	75.4	74.9	74.9	73.4	73.1	73.1	72.0	73.1
55°	58.9	58.6	58.9	58.3	58.3	57.4	57.4	56.5	56.5	55.6	56.2
57.5°	43.1	43.7	43.1	43.4	44.0	43.1	42.8	41.9	42.5	41.9	42.2
60°	33.5	33.5	33.5	33.2	33.2	32.9	32.9	32.6	32.6	32.0	32.6
62.5°	24.8	25.0	25.0	25.0	25.3	25.0	24.8	25.0	24.8	24.8	25.0
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	11.9	11.7	11.9	12.5	11.9
70°	8.2	8.5	8.5	8.2	7.9	8.2	7.9	8.7	8.7	8.7	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: P246006

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	596.0	596.0	595.8	595.2	594.0	594.0	593.7	592.8	592.3	592.0	592.0
5°	593.1	592.0	590.8	587.6	587.6	587.0	585.3	584.1	583.5	582.1	581.5
7.5°	590.5	587.0	585.0	582.9	580.3	579.2	577.1	576.2	574.2	572.8	571.9
10°	584.1	581.8	579.2	576.0	573.9	571.6	569.2	567.5	564.9	563.4	562.3
12.5°	579.7	576.2	573.9	570.4	566.9	564.9	561.7	559.6	557.0	554.1	552.4
15°	575.7	571.9	568.7	564.9	561.1	558.8	555.0	552.7	548.9	545.9	543.9
17.5°	569.5	566.3	562.8	558.2	554.7	551.8	547.7	544.8	541.3	537.5	535.5
20°	563.1	559.3	555.9	551.2	547.7	544.2	540.1	536.9	532.8	529.3	527.0
22.5°	554.7	550.3	547.4	542.7	538.7	534.9	531.1	527.3	523.5	520.6	518.0
25°	542.4	537.8	534.6	530.8	527.0	524.1	519.4	517.1	513.3	510.7	508.1
27.5°	525.0	521.5	518.6	514.8	511.6	509.2	505.7	503.4	500.2	497.9	495.8
30°	499.3	496.4	493.8	490.0	487.7	485.6	482.4	480.4	478.1	475.4	474.9
32.5°	465.0	462.6	460.0	457.4	455.6	454.5	451.8	450.7	448.4	446.9	445.4
35°	413.1	411.1	409.6	408.4	407.9	408.1	407.6	408.7	409.3	409.0	409.3
37.5°	345.2	344.1	344.6	345.5	348.4	352.2	355.7	360.9	364.5	368.0	371.2
40°	269.5	270.4	272.7	277.9	285.5	294.0	301.8	311.7	321.6	328.6	335.0
42.5°	203.3	206.0	211.8	219.4	230.7	243.3	255.5	270.1	282.0	293.7	301.8
45°	152.9	156.4	164.0	174.5	187.0	201.6	217.0	233.3	247.6	259.6	268.6
47.5°	119.2	122.4	129.9	141.0	156.4	171.6	187.6	204.5	219.4	231.0	238.9
50°	94.1	98.2	104.9	116.5	132.0	148.0	164.6	181.2	195.2	205.1	212.1
52.5°	74.0	77.8	84.2	96.4	112.2	128.2	143.6	159.9	172.2	181.8	186.5
55°	57.4	60.9	67.6	77.8	92.6	108.4	123.8	137.8	149.2	156.2	160.5
57.5°	43.7	46.3	51.0	61.2	74.6	89.1	102.3	116.2	125.0	129.9	132.8
60°	33.2	35.3	40.2	48.1	60.3	72.8	83.9	94.4	101.4	105.5	108.4
62.5°	25.0	27.4	30.9	37.6	46.9	57.1	66.4	74.3	80.1	82.7	84.8
65°	17.2	18.9	21.6	26.8	34.7	41.9	49.2	55.1	58.9	61.8	62.9
67.5°	12.8	14.0	15.4	19.5	25.0	30.9	35.8	39.9	44.0	45.2	47.2
70°	9.6	10.5	11.9	14.9	18.1	22.1	26.2	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	22.4	23.0
75°	3.5	5.2	5.2	7.0	8.7	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: P246006

CATALOG NUMBER: LD8B10D010 ER8B10940 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	591.4	591.7	590.5	590.2	589.6	589.9	590.5
5°	580.6	580.9	579.7	578.6	578.6	578.3	578.6
7.5°	570.4	570.7	569.0	568.4	567.2	567.5	567.5
10°	560.2	560.2	557.6	557.3	556.4	556.1	556.1
12.5°	550.3	549.4	547.4	546.2	546.8	545.1	545.1
15°	541.6	540.1	537.5	536.6	535.2	534.6	534.6
17.5°	532.5	531.4	529.1	527.3	525.6	525.3	525.6
20°	523.8	522.6	519.7	518.6	517.1	517.1	516.5
22.5°	515.1	513.9	511.3	510.4	508.4	508.4	508.7
25°	506.0	505.2	502.2	501.7	501.4	500.2	500.8
27.5°	493.8	493.2	490.9	490.0	488.8	488.6	489.1
30°	471.4	470.5	468.7	467.9	465.8	466.1	466.7
32.5°	443.4	442.2	439.9	439.0	437.3	436.7	437.0
35°	408.4	407.6	405.5	405.5	403.8	403.2	403.8
37.5°	372.9	373.8	372.9	373.8	372.9	372.6	372.9
40°	339.4	342.6	343.2	346.4	345.2	347.0	346.7
42.5°	307.3	312.6	314.6	317.3	316.7	317.8	318.7
45°	275.0	279.4	281.4	283.2	283.5	284.0	284.3
47.5°	244.4	247.9	248.2	250.2	250.0	250.0	250.8
50°	215.9	218.2	218.8	220.2	219.1	218.5	218.8
52.5°	189.4	191.7	191.1	191.7	190.2	189.7	189.9
55°	162.3	163.4	163.4	163.4	161.7	161.7	161.7
57.5°	134.6	134.9	134.3	134.6	134.3	132.6	132.3
60°	109.3	109.3	109.0	109.3	108.4	107.5	107.5
62.5°	85.4	85.9	87.1	85.9	85.4	85.9	85.1
65°	63.8	65.0	64.7	65.3	65.0	65.0	64.4
67.5°	48.1	48.4	48.6	48.9	48.9	48.9	48.9
70°	35.3	36.1	35.8	35.8	35.8	35.8	37.6
72.5°	23.6	24.8	24.5	25.0	25.0	25.6	25.0
75°	16.0	17.2	16.6	17.5	17.2	16.6	18.1
77.5°	10.8	11.4	11.7	11.9	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)