

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: P244579

Luminaire Tested: **LD8B15D010 ER8B159727 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244579
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.0 lumens
Efficiency: N/A
Efficacy: 74.7 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

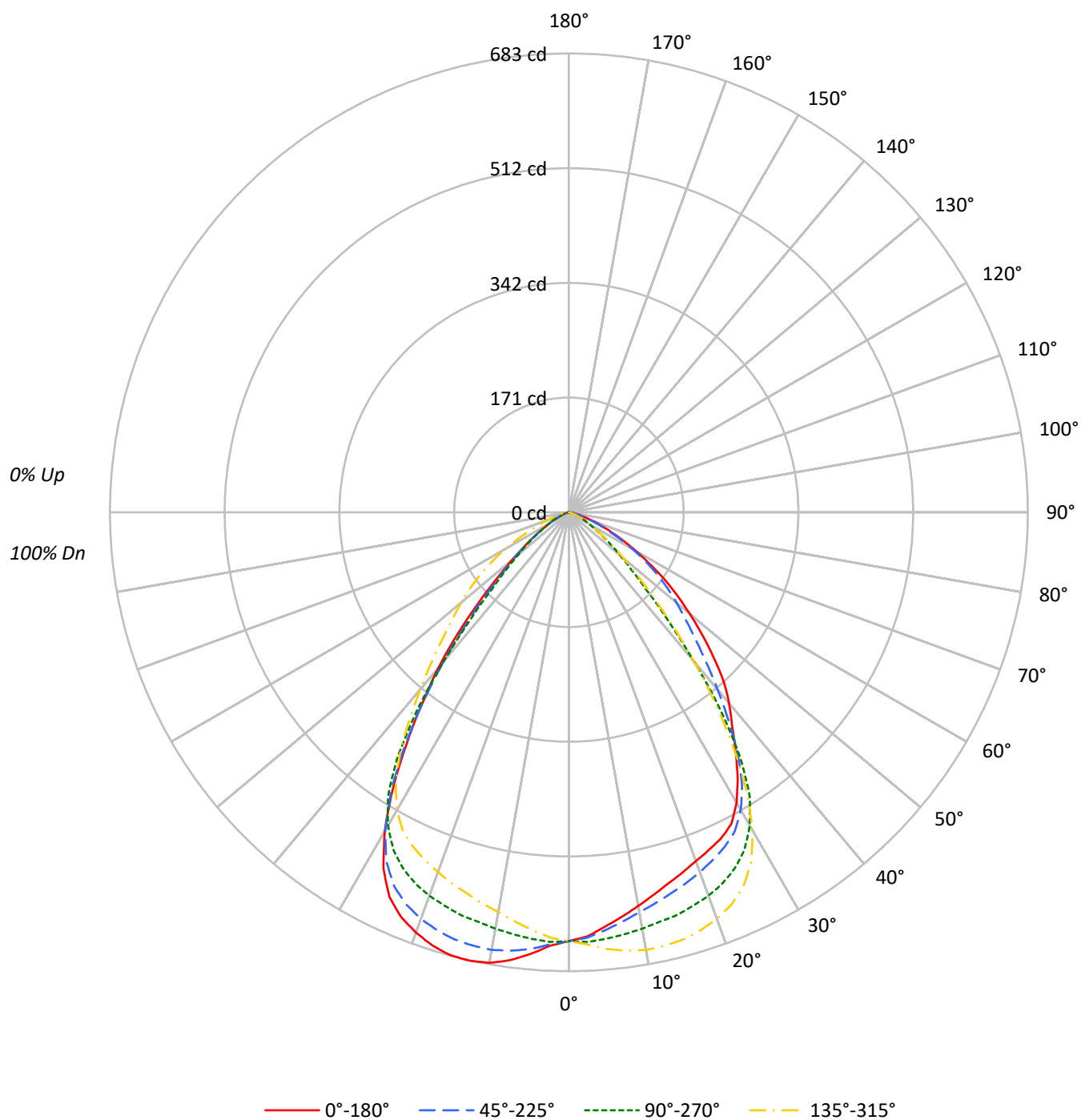
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

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				0
RW	70	50	30	10	70	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		100
1	112	109	106	103	109	106	104	101	102	100	98		99	97	95		90
2	105	99	94	89	102	97	92	88	93	90	86		90	87	84		81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		58
6	80	69	61	56	78	68	61	56	66	60	55		65	59	55		53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		48
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		44
9	66	54	47	42	65	54	47	42	53	47	42		52	46	42		40
10	62	51	44	39	61	50	44	39	49	43	39		48	43	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°	60.7	5.7
10°-20°	175.9	16.4
20°-30°	266.4	24.8
30°-40°	267.0	24.8
40°-50°	167.6	15.6
50°-60°	89.3	8.3
60°-70°	36.7	3.4
70°-80°	9.7	0.9
80°-90°	1.6	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°	503.0	46.8
0°-40°	770.0	71.6
0°-60°	1026.9	95.5
0°-90°	1075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	638	638	638	638	638	
5°	619	637	660	637	619	58
15°	572	621	682	621	572	162
25°	536	585	632	585	536	246
35°	432	444	421	444	432	271
45°	304	163	188	163	304	234
55°	173	60	64	60	173	154
65°	69	18	17	18	69	71
75°	19	4	3	4	19	22
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°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	631.7	631.0	630.7	631.3	631.7	632.9	632.6	633.2	633.2	633.5	634.1
5°	618.9	618.6	618.9	618.9	620.1	621.4	621.1	622.0	622.6	624.2	624.8
7.5°	607.0	607.0	606.7	608.0	608.6	610.5	610.1	611.7	612.6	614.2	616.4
10°	594.9	594.9	595.2	596.1	596.4	599.2	599.2	601.4	602.7	604.2	607.0
12.5°	583.0	583.0	584.9	584.3	585.5	587.7	588.6	590.8	592.7	595.8	598.6
15°	571.8	571.8	572.4	574.0	574.9	577.7	579.3	581.8	584.0	587.1	591.1
17.5°	562.2	561.9	562.2	564.0	565.9	568.4	569.6	572.8	574.9	579.0	582.7
20°	552.5	553.1	553.1	554.7	555.9	559.0	560.3	563.7	566.2	569.9	574.3
22.5°	544.1	543.8	543.8	546.0	546.9	549.7	550.9	554.1	556.9	560.0	564.0
25°	535.7	535.0	536.3	536.6	537.2	540.3	541.3	543.5	546.3	549.1	553.1
27.5°	523.2	522.6	522.9	524.1	525.1	527.6	528.2	530.4	532.6	535.0	538.5
30°	499.2	498.6	498.3	500.5	501.4	503.3	504.2	507.9	508.6	511.4	513.9
32.5°	467.4	467.1	467.7	469.6	470.5	473.0	474.3	476.5	478.0	479.6	482.1
35°	431.9	431.3	431.9	433.8	433.8	436.0	436.9	437.8	437.5	437.8	437.2
37.5°	398.9	398.6	398.9	399.8	398.9	399.8	398.9	397.0	393.6	389.8	386.1
40°	370.8	371.1	369.3	370.5	367.1	366.5	363.0	358.4	351.5	344.0	333.4
42.5°	340.9	340.0	338.7	339.3	336.6	334.4	328.8	322.8	314.1	301.7	288.9
45°	304.1	303.8	303.2	302.9	301.0	298.8	294.2	287.3	277.7	264.9	249.6
47.5°	268.3	267.4	267.4	267.7	265.5	265.2	261.4	255.5	247.1	234.6	218.8
50°	234.0	233.7	234.3	235.6	234.0	233.4	230.9	226.9	219.4	208.8	193.8
52.5°	203.2	202.9	203.5	205.0	204.4	205.0	202.6	199.4	194.4	184.2	171.1
55°	173.0	173.0	173.0	174.8	174.8	174.8	173.6	171.7	167.0	159.5	147.4
57.5°	141.5	141.8	143.7	144.0	143.7	144.3	144.0	142.1	139.0	133.7	124.3
60°	115.0	115.0	115.9	116.9	116.5	116.9	116.9	115.9	112.8	108.4	101.0
62.5°	91.0	91.9	91.3	91.9	93.2	91.9	91.3	90.7	88.5	85.7	79.5
65°	68.9	69.5	69.5	69.8	69.2	69.5	68.2	67.3	66.1	63.0	58.9
67.5°	52.4	52.4	52.4	52.4	52.0	51.7	51.4	50.5	48.3	47.1	42.7
70°	40.2	38.3	38.3	38.3	38.3	38.6	37.7	36.5	35.8	33.7	30.5
72.5°	26.8	27.4	26.8	26.8	26.2	26.5	25.2	24.6	24.0	22.8	20.9
75°	19.3	17.8	18.4	18.7	17.8	18.4	17.1	15.9	15.9	15.0	14.0
77.5°	12.5	12.2	12.5	12.8	12.5	12.2	11.5	10.9	10.9	10.6	9.7
80°	9.0	8.7	8.7	8.7	8.4	8.7	8.1	8.1	7.5	7.2	6.5
82.5°	5.9	5.9	5.6	5.9	5.6	5.9	5.0	5.0	5.0	4.7	4.1
85°	4.1	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.5
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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



TEST NUMBER: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	635.1	635.4	635.4	636.6	637.3	637.6	637.6	640.1	639.1	639.8	640.4
5°	626.0	627.9	628.5	628.5	632.0	633.2	634.4	637.3	637.6	639.4	641.6
7.5°	617.3	619.5	620.7	623.5	625.7	627.9	631.7	633.5	635.4	637.9	640.7
10°	608.9	611.4	613.9	616.1	619.5	622.3	624.8	629.2	631.3	634.8	638.5
12.5°	600.8	604.2	606.4	610.1	613.9	616.4	620.1	624.2	627.6	631.0	635.4
15°	593.6	597.7	600.2	604.2	608.3	611.7	615.8	620.7	623.2	627.3	631.3
17.5°	585.8	590.2	593.3	597.1	602.0	605.8	609.2	614.2	617.3	621.7	626.4
20°	577.7	582.1	585.8	589.6	594.6	598.3	602.4	607.3	610.8	615.1	618.9
22.5°	568.1	572.1	576.2	580.5	585.5	588.6	593.3	597.7	601.4	605.5	609.2
25°	555.6	560.6	563.7	567.8	571.8	575.2	580.2	584.6	587.7	591.5	594.9
27.5°	541.0	544.7	547.2	550.6	554.7	557.8	561.5	565.9	569.0	572.4	574.9
30°	516.0	519.5	521.7	524.1	528.2	531.0	534.1	538.2	540.3	542.8	545.0
32.5°	483.3	486.1	487.4	489.2	492.0	494.8	497.3	500.8	501.7	503.3	503.3
35°	436.0	436.6	436.3	436.9	438.1	439.7	441.9	444.1	445.3	445.3	444.4
37.5°	380.5	376.8	372.7	369.6	368.6	368.0	369.3	370.2	371.5	372.1	370.5
40°	322.8	314.4	305.4	297.3	291.7	289.2	288.2	288.9	288.9	291.0	291.0
42.5°	273.3	260.2	246.8	234.6	226.5	220.3	217.5	217.5	217.8	219.4	220.3
45°	232.2	215.6	200.1	186.7	175.4	167.3	163.6	162.7	162.4	163.0	165.2
47.5°	200.7	183.5	167.3	150.8	139.0	130.9	127.5	126.2	125.0	126.2	126.5
50°	176.1	158.3	141.2	124.6	112.2	105.0	100.6	98.8	98.5	98.5	99.1
52.5°	153.6	137.1	120.0	103.2	90.1	83.2	79.2	78.2	77.0	78.2	78.2
55°	132.4	115.9	99.1	83.2	72.3	65.1	61.4	60.1	59.5	60.5	60.5
57.5°	109.4	95.4	79.8	65.4	54.5	49.5	46.7	45.2	44.9	45.5	44.9
60°	89.7	77.9	64.5	51.4	43.0	37.7	35.5	34.9	34.3	34.9	34.9
62.5°	71.0	61.1	50.2	40.2	33.0	29.3	26.8	26.8	26.5	26.5	26.8
65°	52.7	44.9	37.1	28.7	23.1	20.3	18.4	18.4	18.1	18.4	18.1
67.5°	38.3	33.0	26.8	20.9	16.5	15.0	13.7	12.8	13.4	12.8	12.5
70°	28.1	23.7	19.3	15.9	12.8	11.2	10.3	10.0	9.4	9.4	9.4
72.5°	18.7	15.9	13.1	10.3	8.4	6.8	6.5	5.9	5.3	5.6	6.2
75°	12.5	10.6	9.4	7.5	5.6	5.6	3.7	3.7	3.1	3.7	2.8
77.5°	8.7	7.2	5.6	4.7	3.7	3.4	2.5	2.5	2.2	2.2	2.2
80°	6.2	5.3	4.1	3.4	2.5	2.5	2.2	1.9	1.6	1.6	1.9
82.5°	3.7	2.8	2.8	2.5	1.6	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.2	1.9	1.6	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



TEST NUMBER: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	641.9	641.6	642.2	642.2	644.1	643.8	644.7	644.7	644.1	644.4	645.7
5°	644.1	645.1	646.9	648.5	651.3	652.5	654.1	655.7	656.0	656.9	657.8
7.5°	644.1	647.2	649.4	652.2	656.0	658.1	661.6	664.4	665.6	667.2	669.0
10°	642.9	646.0	650.0	653.1	657.8	661.3	664.7	669.0	670.9	673.4	675.9
12.5°	640.4	643.8	648.2	652.2	657.5	660.6	665.0	669.0	671.9	675.3	678.1
15°	636.6	640.7	644.7	648.8	654.4	658.1	662.2	666.9	669.7	673.4	675.9
17.5°	630.7	635.1	638.8	642.6	647.9	652.2	656.0	660.3	663.1	666.2	669.7
20°	623.5	627.6	631.7	634.8	640.1	643.8	647.9	651.9	654.1	654.7	660.0
22.5°	614.5	617.3	620.4	625.4	628.5	632.0	635.7	639.4	641.6	645.1	646.9
25°	599.5	602.4	605.8	608.0	611.7	614.5	618.2	622.3	623.5	626.0	627.9
27.5°	578.7	580.2	581.8	583.7	585.8	587.4	589.6	591.5	592.7	593.9	595.2
30°	545.6	545.6	545.6	544.4	545.3	546.3	546.6	546.3	546.3	546.0	546.0
32.5°	502.0	499.5	496.7	494.2	493.3	492.0	491.4	490.5	488.9	488.0	488.3
35°	443.1	437.5	434.1	431.0	428.5	426.6	425.7	424.7	424.4	423.2	421.9
37.5°	369.6	365.5	363.0	361.2	359.0	357.1	357.4	357.7	358.7	358.1	358.4
40°	291.7	290.7	291.7	289.5	288.9	289.5	291.0	293.2	294.5	295.7	297.9
42.5°	221.9	223.4	225.6	225.6	226.5	227.8	229.7	233.1	235.0	237.1	239.6
45°	167.0	168.9	171.7	172.6	173.3	174.8	177.0	179.8	181.0	182.9	185.1
47.5°	128.7	129.9	131.5	133.1	134.6	135.2	137.4	137.4	139.0	140.2	140.8
50°	100.3	101.6	102.8	103.8	104.4	105.3	105.9	106.9	107.2	107.8	108.1
52.5°	78.5	80.1	80.1	80.7	81.6	82.6	82.3	82.6	82.9	82.9	83.8
55°	61.4	61.4	62.3	62.3	63.0	62.6	63.0	63.0	63.0	63.0	63.3
57.5°	45.8	46.1	47.1	46.4	46.1	46.7	46.1	46.7	46.4	47.1	46.1
60°	35.2	35.2	35.5	35.5	35.8	35.8	35.8	35.5	35.5	35.2	35.2
62.5°	26.5	26.8	27.1	26.8	26.8	26.8	26.5	26.5	26.2	25.9	25.9
65°	17.8	17.5	18.1	17.5	17.8	17.8	17.5	17.8	16.8	17.1	16.8
67.5°	12.8	12.5	12.2	12.5	12.2	11.8	11.8	12.2	12.5	11.5	11.5
70°	8.4	8.7	8.4	8.7	9.0	9.0	8.7	8.4	8.7	8.1	8.4
72.5°	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.0	5.0	4.7
75°	2.5	3.4	2.8	2.5	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.6	1.2	1.2	0.9	1.6
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: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	645.4	645.1	645.4	645.7	645.4	645.1	645.4	645.7	644.4	644.1	644.7
5°	659.1	659.1	659.7	660.0	659.7	659.1	659.1	657.8	656.9	656.0	655.7
7.5°	670.9	671.5	672.2	672.5	672.2	671.5	670.9	669.0	667.2	665.6	664.4
10°	678.1	679.0	680.3	680.9	680.3	679.0	678.1	675.9	673.4	670.9	669.0
12.5°	681.2	682.1	683.7	683.4	683.7	682.1	681.2	678.1	675.3	671.9	669.0
15°	679.0	680.3	681.8	682.4	681.8	680.3	679.0	675.9	673.4	669.7	666.9
17.5°	672.2	674.0	675.0	675.9	675.0	674.0	672.2	669.7	666.2	663.1	660.3
20°	662.8	664.1	665.3	665.6	665.3	664.1	662.8	660.0	654.7	654.1	651.9
22.5°	649.4	650.4	653.1	652.2	653.1	650.4	649.4	646.9	645.1	641.6	639.4
25°	630.1	631.0	631.3	631.7	631.3	631.0	630.1	627.9	626.0	623.5	622.3
27.5°	596.8	596.8	597.4	597.7	597.4	596.8	596.8	595.2	593.9	592.7	591.5
30°	546.3	546.3	546.3	547.8	546.3	546.3	546.3	546.0	546.0	546.3	546.3
32.5°	488.0	487.4	486.8	487.4	486.8	487.4	488.0	488.3	488.0	488.9	490.5
35°	421.9	421.6	422.6	421.3	422.6	421.6	421.9	421.9	423.2	424.4	424.7
37.5°	358.7	358.1	359.3	358.1	359.3	358.1	358.7	358.4	358.1	358.7	357.7
40°	298.5	299.2	299.2	301.7	299.2	299.2	298.5	297.9	295.7	294.5	293.2
42.5°	240.9	242.8	242.1	244.0	242.1	242.8	240.9	239.6	237.1	235.0	233.1
45°	186.3	187.6	187.6	188.2	187.6	187.6	186.3	185.1	182.9	181.0	179.8
47.5°	143.0	143.0	143.0	143.3	143.0	143.0	143.0	140.8	140.2	139.0	137.4
50°	108.8	109.1	109.4	109.7	109.4	109.1	108.8	108.1	107.8	107.2	106.9
52.5°	83.5	83.8	83.2	83.8	83.2	83.8	83.5	83.8	82.9	82.9	82.6
55°	63.3	63.0	63.3	63.6	63.3	63.0	63.3	63.3	63.0	63.0	63.0
57.5°	46.4	45.8	45.8	45.8	45.8	45.8	46.4	46.1	47.1	46.4	46.7
60°	34.6	34.9	34.9	35.2	34.9	34.9	34.6	35.2	35.2	35.5	35.5
62.5°	25.6	26.5	25.9	26.5	25.9	26.5	25.6	25.9	25.9	26.2	26.5
65°	16.5	16.5	16.5	16.8	16.5	16.5	16.5	16.8	17.1	16.8	17.8
67.5°	11.2	11.5	12.2	11.8	12.2	11.5	11.2	11.5	11.5	12.5	12.2
70°	9.0	8.1	8.1	9.0	8.1	8.1	9.0	8.4	8.1	8.7	8.4
72.5°	5.3	4.7	5.3	5.3	5.3	4.7	5.3	4.7	5.0	5.0	5.6
75°	2.8	2.5	2.2	3.1	2.2	2.5	2.8	2.8	2.8	2.8	3.1
77.5°	1.9	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	0.9	1.2	0.9	1.6	0.9	1.2	0.9	1.6	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: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	644.7	643.8	644.1	642.2	642.2	641.6	641.9	640.4	639.8	639.1	640.1
5°	654.1	652.5	651.3	648.5	646.9	645.1	644.1	641.6	639.4	637.6	637.3
7.5°	661.6	658.1	656.0	652.2	649.4	647.2	644.1	640.7	637.9	635.4	633.5
10°	664.7	661.3	657.8	653.1	650.0	646.0	642.9	638.5	634.8	631.3	629.2
12.5°	665.0	660.6	657.5	652.2	648.2	643.8	640.4	635.4	631.0	627.6	624.2
15°	662.2	658.1	654.4	648.8	644.7	640.7	636.6	631.3	627.3	623.2	620.7
17.5°	656.0	652.2	647.9	642.6	638.8	635.1	630.7	626.4	621.7	617.3	614.2
20°	647.9	643.8	640.1	634.8	631.7	627.6	623.5	618.9	615.1	610.8	607.3
22.5°	635.7	632.0	628.5	625.4	620.4	617.3	614.5	609.2	605.5	601.4	597.7
25°	618.2	614.5	611.7	608.0	605.8	602.4	599.5	594.9	591.5	587.7	584.6
27.5°	589.6	587.4	585.8	583.7	581.8	580.2	578.7	574.9	572.4	569.0	565.9
30°	546.6	546.3	545.3	544.4	545.6	545.6	545.6	545.0	542.8	540.3	538.2
32.5°	491.4	492.0	493.3	494.2	496.7	499.5	502.0	503.3	503.3	501.7	500.8
35°	425.7	426.6	428.5	431.0	434.1	437.5	443.1	444.4	445.3	445.3	444.1
37.5°	357.4	357.1	359.0	361.2	363.0	365.5	369.6	370.5	372.1	371.5	370.2
40°	291.0	289.5	288.9	289.5	291.7	290.7	291.7	291.0	291.0	288.9	288.9
42.5°	229.7	227.8	226.5	225.6	225.6	223.4	221.9	220.3	219.4	217.8	217.5
45°	177.0	174.8	173.3	172.6	171.7	168.9	167.0	165.2	163.0	162.4	162.7
47.5°	137.4	135.2	134.6	133.1	131.5	129.9	128.7	126.5	126.2	125.0	126.2
50°	105.9	105.3	104.4	103.8	102.8	101.6	100.3	99.1	98.5	98.5	98.8
52.5°	82.3	82.6	81.6	80.7	80.1	80.1	78.5	78.2	78.2	77.0	78.2
55°	63.0	62.6	63.0	62.3	62.3	61.4	61.4	60.5	60.5	59.5	60.1
57.5°	46.1	46.7	46.1	46.4	47.1	46.1	45.8	44.9	45.5	44.9	45.2
60°	35.8	35.8	35.8	35.5	35.5	35.2	35.2	34.9	34.9	34.3	34.9
62.5°	26.5	26.8	26.8	26.8	27.1	26.8	26.5	26.8	26.5	26.5	26.8
65°	17.5	17.8	17.8	17.5	18.1	17.5	17.8	18.1	18.4	18.1	18.4
67.5°	11.8	11.8	12.2	12.5	12.2	12.5	12.8	12.5	12.8	13.4	12.8
70°	8.7	9.0	9.0	8.7	8.4	8.7	8.4	9.4	9.4	9.4	10.0
72.5°	5.6	5.6	5.3	5.3	5.3	5.3	5.3	6.2	5.6	5.3	5.9
75°	3.1	3.4	3.4	2.5	2.8	3.4	2.5	2.8	3.7	3.1	3.7
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.2	2.2	2.2	2.5
80°	1.6	1.2	1.2	0.9	1.2	1.2	1.2	1.9	1.6	1.6	1.9
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: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	637.6	637.6	637.3	636.6	635.4	635.4	635.1	634.1	633.5	633.2	633.2
5°	634.4	633.2	632.0	628.5	628.5	627.9	626.0	624.8	624.2	622.6	622.0
7.5°	631.7	627.9	625.7	623.5	620.7	619.5	617.3	616.4	614.2	612.6	611.7
10°	624.8	622.3	619.5	616.1	613.9	611.4	608.9	607.0	604.2	602.7	601.4
12.5°	620.1	616.4	613.9	610.1	606.4	604.2	600.8	598.6	595.8	592.7	590.8
15°	615.8	611.7	608.3	604.2	600.2	597.7	593.6	591.1	587.1	584.0	581.8
17.5°	609.2	605.8	602.0	597.1	593.3	590.2	585.8	582.7	579.0	574.9	572.8
20°	602.4	598.3	594.6	589.6	585.8	582.1	577.7	574.3	569.9	566.2	563.7
22.5°	593.3	588.6	585.5	580.5	576.2	572.1	568.1	564.0	560.0	556.9	554.1
25°	580.2	575.2	571.8	567.8	563.7	560.6	555.6	553.1	549.1	546.3	543.5
27.5°	561.5	557.8	554.7	550.6	547.2	544.7	541.0	538.5	535.0	532.6	530.4
30°	534.1	531.0	528.2	524.1	521.7	519.5	516.0	513.9	511.4	508.6	507.9
32.5°	497.3	494.8	492.0	489.2	487.4	486.1	483.3	482.1	479.6	478.0	476.5
35°	441.9	439.7	438.1	436.9	436.3	436.6	436.0	437.2	437.8	437.5	437.8
37.5°	369.3	368.0	368.6	369.6	372.7	376.8	380.5	386.1	389.8	393.6	397.0
40°	288.2	289.2	291.7	297.3	305.4	314.4	322.8	333.4	344.0	351.5	358.4
42.5°	217.5	220.3	226.5	234.6	246.8	260.2	273.3	288.9	301.7	314.1	322.8
45°	163.6	167.3	175.4	186.7	200.1	215.6	232.2	249.6	264.9	277.7	287.3
47.5°	127.5	130.9	139.0	150.8	167.3	183.5	200.7	218.8	234.6	247.1	255.5
50°	100.6	105.0	112.2	124.6	141.2	158.3	176.1	193.8	208.8	219.4	226.9
52.5°	79.2	83.2	90.1	103.2	120.0	137.1	153.6	171.1	184.2	194.4	199.4
55°	61.4	65.1	72.3	83.2	99.1	115.9	132.4	147.4	159.5	167.0	171.7
57.5°	46.7	49.5	54.5	65.4	79.8	95.4	109.4	124.3	133.7	139.0	142.1
60°	35.5	37.7	43.0	51.4	64.5	77.9	89.7	101.0	108.4	112.8	115.9
62.5°	26.8	29.3	33.0	40.2	50.2	61.1	71.0	79.5	85.7	88.5	90.7
65°	18.4	20.3	23.1	28.7	37.1	44.9	52.7	58.9	63.0	66.1	67.3
67.5°	13.7	15.0	16.5	20.9	26.8	33.0	38.3	42.7	47.1	48.3	50.5
70°	10.3	11.2	12.8	15.9	19.3	23.7	28.1	30.5	33.7	35.8	36.5
72.5°	6.5	6.8	8.4	10.3	13.1	15.9	18.7	20.9	22.8	24.0	24.6
75°	3.7	5.6	5.6	7.5	9.4	10.6	12.5	14.0	15.0	15.9	15.9
77.5°	2.5	3.4	3.7	4.7	5.6	7.2	8.7	9.7	10.6	10.9	10.9
80°	2.2	2.5	2.5	3.4	4.1	5.3	6.2	6.5	7.2	7.5	8.1
82.5°	0.9	1.2	1.6	2.5	2.8	2.8	3.7	4.1	4.7	5.0	5.0
85°	0.3	0.6	0.6	0.9	1.6	1.9	2.2	2.5	2.8	2.8	3.1
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.9	1.9
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: P244579

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	632.6	632.9	631.7	631.3	630.7	631.0	631.7
5°	621.1	621.4	620.1	618.9	618.9	618.6	618.9
7.5°	610.1	610.5	608.6	608.0	606.7	607.0	607.0
10°	599.2	599.2	596.4	596.1	595.2	594.9	594.9
12.5°	588.6	587.7	585.5	584.3	584.9	583.0	583.0
15°	579.3	577.7	574.9	574.0	572.4	571.8	571.8
17.5°	569.6	568.4	565.9	564.0	562.2	561.9	562.2
20°	560.3	559.0	555.9	554.7	553.1	553.1	552.5
22.5°	550.9	549.7	546.9	546.0	543.8	543.8	544.1
25°	541.3	540.3	537.2	536.6	536.3	535.0	535.7
27.5°	528.2	527.6	525.1	524.1	522.9	522.6	523.2
30°	504.2	503.3	501.4	500.5	498.3	498.6	499.2
32.5°	474.3	473.0	470.5	469.6	467.7	467.1	467.4
35°	436.9	436.0	433.8	433.8	431.9	431.3	431.9
37.5°	398.9	399.8	398.9	399.8	398.9	398.6	398.9
40°	363.0	366.5	367.1	370.5	369.3	371.1	370.8
42.5°	328.8	334.4	336.6	339.3	338.7	340.0	340.9
45°	294.2	298.8	301.0	302.9	303.2	303.8	304.1
47.5°	261.4	265.2	265.5	267.7	267.4	267.4	268.3
50°	230.9	233.4	234.0	235.6	234.3	233.7	234.0
52.5°	202.6	205.0	204.4	205.0	203.5	202.9	203.2
55°	173.6	174.8	174.8	174.8	173.0	173.0	173.0
57.5°	144.0	144.3	143.7	144.0	143.7	141.8	141.5
60°	116.9	116.9	116.5	116.9	115.9	115.0	115.0
62.5°	91.3	91.9	93.2	91.9	91.3	91.9	91.0
65°	68.2	69.5	69.2	69.8	69.5	69.5	68.9
67.5°	51.4	51.7	52.0	52.4	52.4	52.4	52.4
70°	37.7	38.6	38.3	38.3	38.3	38.3	40.2
72.5°	25.2	26.5	26.2	26.8	26.8	27.4	26.8
75°	17.1	18.4	17.8	18.7	18.4	17.8	19.3
77.5°	11.5	12.2	12.5	12.8	12.5	12.2	12.5
80°	8.1	8.7	8.4	8.7	8.7	8.7	9.0
82.5°	5.0	5.9	5.6	5.9	5.6	5.9	5.9
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.1
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)