

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: P245881

Luminaire Tested: **LD8B15D010 ER8B159730 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245881
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 ER8B159730 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1053.0 lumens
Efficiency: N/A
Efficacy: 73.1 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

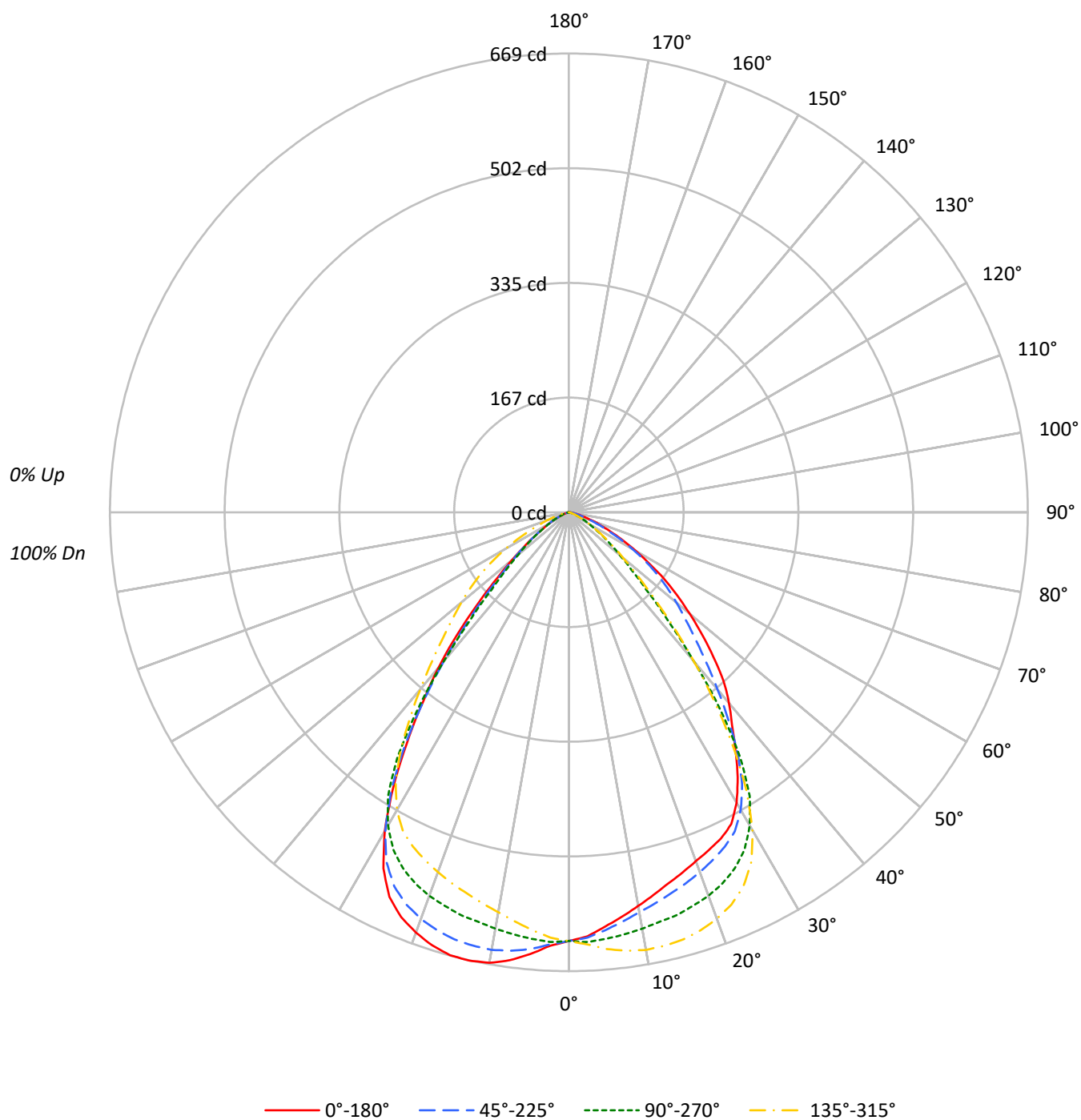
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103	109	106	104	101		102	100	98		99	97	95		95	94	92
2	105	99	94	89	102	97	92	88		93	90	86		90	87	84		87	85	83
3	98	90	83	78	95	88	82	78		85	80	76		83	79	75		80	77	74
4	91	82	75	70	89	80	74	69		78	73	68		76	71	67		74	70	67
5	85	75	68	62	83	74	67	62		72	66	61		70	65	61		68	64	60
6	80	69	61	56	78	68	61	56		66	60	55		65	59	55		63	58	55
7	75	63	56	51	73	63	56	51		61	55	50		60	54	50		59	54	50
8	70	59	51	46	69	58	51	46		57	50	46		56	50	46		55	49	46
9	66	54	47	42	65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39	61	50	44	39		49	43	39		48	43	39		48	42	39

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°				



TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	5.7
10°-20°	172.3	16.4
20°-30°	260.9	24.8
30°-40°	261.5	24.8
40°-50°	164.2	15.6
50°-60°	87.5	8.3
60°-70°	36.0	3.4
70°-80°	9.5	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°	492.7	46.8
0°-40°	754.2	71.6
0°-60°	1005.9	95.5
0°-90°	1053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	625	625	625	625	625	
5°	606	624	646	624	606	57
15°	560	608	668	608	560	158
25°	525	573	619	573	525	241
35°	423	435	413	435	423	265
45°	298	159	184	159	298	229
55°	169	59	62	59	169	151
65°	68	18	16	18	68	70
75°	19	4	3	4	19	21
85°	4	0	0	0	4	4
90°	0	0	0	0	0	



TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	618.7	618.1	617.8	618.4	618.7	619.9	619.6	620.2	620.2	620.6	621.2
5°	606.2	605.9	606.2	606.2	607.4	608.6	608.3	609.3	609.9	611.4	612.0
7.5°	594.6	594.6	594.3	595.5	596.1	598.0	597.7	599.2	600.1	601.6	603.8
10°	582.7	582.7	583.0	583.9	584.2	587.0	587.0	589.1	590.3	591.9	594.6
12.5°	571.1	571.1	572.9	572.3	573.5	575.7	576.6	578.7	580.6	583.6	586.4
15°	560.1	560.1	560.7	562.3	563.2	565.9	567.4	569.9	572.0	575.1	579.0
17.5°	550.7	550.4	550.7	552.5	554.3	556.8	558.0	561.0	563.2	567.1	570.8
20°	541.2	541.8	541.8	543.3	544.5	547.6	548.8	552.2	554.6	558.3	562.6
22.5°	533.0	532.6	532.6	534.8	535.7	538.4	539.7	542.7	545.5	548.5	552.5
25°	524.7	524.1	525.3	525.6	526.2	529.3	530.2	532.3	535.1	537.8	541.8
27.5°	512.5	511.9	512.2	513.4	514.3	516.8	517.4	519.5	521.7	524.1	527.5
30°	489.0	488.4	488.1	490.2	491.1	493.0	493.9	497.5	498.1	500.9	503.3
32.5°	457.9	457.6	458.2	460.0	460.9	463.4	464.6	466.7	468.2	469.8	472.2
35°	423.1	422.5	423.1	424.9	424.9	427.0	428.0	428.9	428.6	428.9	428.3
37.5°	390.7	390.4	390.7	391.6	390.7	391.6	390.7	388.9	385.5	381.9	378.2
40°	363.2	363.5	361.7	362.9	359.6	359.0	355.6	351.0	344.3	337.0	326.6
42.5°	333.9	333.0	331.8	332.4	329.7	327.5	322.0	316.2	307.7	295.5	283.0
45°	297.9	297.6	297.0	296.7	294.9	292.7	288.1	281.4	272.0	259.5	244.5
47.5°	262.8	261.9	261.9	262.2	260.1	259.8	256.1	250.3	242.1	229.8	214.3
50°	229.2	228.9	229.5	230.8	229.2	228.6	226.2	222.2	214.9	204.5	189.9
52.5°	199.0	198.7	199.3	200.8	200.2	200.8	198.4	195.4	190.5	180.4	167.6
55°	169.4	169.4	169.4	171.2	171.2	171.2	170.0	168.2	163.6	156.3	144.4
57.5°	138.6	138.9	140.7	141.0	140.7	141.3	141.0	139.2	136.1	131.0	121.8
60°	112.6	112.6	113.6	114.5	114.2	114.5	114.5	113.6	110.5	106.2	98.9
62.5°	89.1	90.0	89.4	90.0	91.3	90.0	89.4	88.8	86.7	83.9	77.8
65°	67.5	68.1	68.1	68.4	67.8	68.1	66.9	65.9	64.7	61.7	57.7
67.5°	51.3	51.3	51.3	51.3	51.0	50.7	50.4	49.5	47.3	46.1	41.8
70°	39.4	37.5	37.5	37.5	37.5	37.9	36.9	35.7	35.1	33.0	29.9
72.5°	26.2	26.9	26.2	26.2	25.6	25.9	24.7	24.1	23.5	22.3	20.5
75°	18.9	17.4	18.0	18.3	17.4	18.0	16.8	15.6	15.6	14.6	13.7
77.5°	12.2	11.9	12.2	12.5	12.2	11.9	11.3	10.7	10.7	10.4	9.5
80°	8.9	8.5	8.5	8.5	8.2	8.5	7.9	7.9	7.3	7.0	6.4
82.5°	5.8	5.8	5.5	5.8	5.5	5.8	4.9	4.9	4.9	4.6	4.0
85°	4.0	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.4
87.5°	1.8	2.1	1.8	2.1	1.8	1.8	2.1	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



TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	622.1	622.4	622.4	623.6	624.2	624.5	624.5	627.0	626.0	626.7	627.3
5°	613.2	615.1	615.7	615.7	619.0	620.2	621.5	624.2	624.5	626.4	628.5
7.5°	604.7	606.8	608.0	610.8	612.9	615.1	618.7	620.6	622.4	624.8	627.6
10°	596.4	598.9	601.3	603.5	606.8	609.6	612.0	616.3	618.4	621.8	625.4
12.5°	588.5	591.9	594.0	597.7	601.3	603.8	607.4	611.4	614.8	618.1	622.4
15°	581.5	585.5	587.9	591.9	595.8	599.2	603.2	608.0	610.5	614.5	618.4
17.5°	573.8	578.1	581.2	584.8	589.7	593.4	596.8	601.6	604.7	609.0	613.5
20°	565.9	570.2	573.8	577.5	582.4	586.1	590.0	594.9	598.3	602.5	606.2
22.5°	556.5	560.4	564.4	568.7	573.5	576.6	581.2	585.5	589.1	593.1	596.8
25°	544.2	549.1	552.2	556.1	560.1	563.5	568.4	572.6	575.7	579.3	582.7
27.5°	529.9	533.6	536.0	539.4	543.3	546.4	550.0	554.3	557.4	560.7	563.2
30°	505.5	508.8	511.0	513.4	517.4	520.1	523.2	527.1	529.3	531.7	533.9
32.5°	473.4	476.2	477.4	479.2	482.0	484.7	487.2	490.5	491.4	493.0	493.0
35°	427.0	427.6	427.3	428.0	429.2	430.7	432.8	435.0	436.2	436.2	435.3
37.5°	372.7	369.0	365.1	362.0	361.1	360.5	361.7	362.6	363.9	364.5	362.9
40°	316.2	308.0	299.1	291.2	285.7	283.3	282.4	283.0	283.0	285.1	285.1
42.5°	267.7	254.9	241.8	229.8	221.9	215.8	213.1	213.1	213.4	214.9	215.8
45°	227.4	211.2	196.0	182.8	171.8	163.9	160.3	159.3	159.0	159.6	161.8
47.5°	196.6	179.8	163.9	147.7	136.1	128.2	124.8	123.6	122.4	123.6	123.9
50°	172.5	155.1	138.3	122.1	109.9	102.9	98.6	96.8	96.5	96.5	97.1
52.5°	150.5	134.3	117.5	101.0	88.2	81.5	77.5	76.6	75.4	76.6	76.6
55°	129.7	113.6	97.1	81.5	70.8	63.8	60.1	58.9	58.3	59.2	59.2
57.5°	107.1	93.4	78.1	64.1	53.4	48.5	45.8	44.3	43.9	44.6	43.9
60°	87.9	76.3	63.2	50.4	42.1	36.9	34.8	34.2	33.6	34.2	34.2
62.5°	69.6	59.8	49.1	39.4	32.4	28.7	26.2	26.2	25.9	25.9	26.2
65°	51.6	43.9	36.3	28.1	22.6	19.8	18.0	18.0	17.7	18.0	17.7
67.5°	37.5	32.4	26.2	20.5	16.2	14.6	13.4	12.5	13.1	12.5	12.2
70°	27.5	23.2	18.9	15.6	12.5	11.0	10.1	9.8	9.2	9.2	9.2
72.5°	18.3	15.6	12.8	10.1	8.2	6.7	6.4	5.8	5.2	5.5	6.1
75°	12.2	10.4	9.2	7.3	5.5	5.5	3.7	3.7	3.1	3.7	2.8
77.5°	8.5	7.0	5.5	4.6	3.7	3.4	2.4	2.4	2.1	2.1	2.1
80°	6.1	5.2	4.0	3.4	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.7	2.8	2.8	2.4	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.1	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



TEST NUMBER: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	628.8	628.5	629.1	629.1	630.9	630.6	631.5	631.5	630.9	631.2	632.5
5°	630.9	631.9	633.7	635.2	637.9	639.2	640.7	642.2	642.5	643.5	644.4
7.5°	630.9	634.0	636.1	638.9	642.5	644.7	648.0	650.8	652.0	653.5	655.3
10°	629.7	632.8	636.7	639.8	644.4	647.7	651.1	655.3	657.2	659.6	662.1
12.5°	627.3	630.6	634.9	638.9	644.1	647.1	651.4	655.3	658.1	661.5	664.2
15°	623.6	627.6	631.5	635.5	641.0	644.7	648.6	653.2	656.0	659.6	662.1
17.5°	617.8	622.1	625.7	629.4	634.6	638.9	642.5	646.8	649.6	652.6	656.0
20°	610.8	614.8	618.7	621.8	627.0	630.6	634.6	638.6	640.7	641.3	646.5
22.5°	601.9	604.7	607.7	612.6	615.7	619.0	622.7	626.4	628.5	631.9	633.7
25°	587.3	590.0	593.4	595.5	599.2	601.9	605.6	609.6	610.8	613.2	615.1
27.5°	566.8	568.4	569.9	571.7	573.8	575.4	577.5	579.3	580.6	581.8	583.0
30°	534.5	534.5	534.5	533.3	534.2	535.1	535.4	535.1	535.1	534.8	534.8
32.5°	491.7	489.3	486.6	484.1	483.2	482.0	481.4	480.4	478.9	478.0	478.3
35°	434.0	428.6	425.2	422.1	419.7	417.9	417.0	416.0	415.7	414.5	413.3
37.5°	362.0	358.0	355.6	353.8	351.6	349.8	350.1	350.4	351.3	350.7	351.0
40°	285.7	284.8	285.7	283.6	283.0	283.6	285.1	287.2	288.5	289.7	291.8
42.5°	217.3	218.9	221.0	221.0	221.9	223.1	225.0	228.3	230.1	232.3	234.7
45°	163.6	165.4	168.2	169.1	169.7	171.2	173.4	176.1	177.3	179.2	181.3
47.5°	126.1	127.3	128.8	130.3	131.9	132.5	134.6	134.6	136.1	137.4	138.0
50°	98.3	99.5	100.7	101.6	102.3	103.2	103.8	104.7	105.0	105.6	105.9
52.5°	76.9	78.4	78.4	79.1	80.0	80.9	80.6	80.9	81.2	81.2	82.1
55°	60.1	60.1	61.0	61.0	61.7	61.3	61.7	61.7	61.7	61.7	62.0
57.5°	44.9	45.2	46.1	45.5	45.2	45.8	45.2	45.8	45.5	46.1	45.2
60°	34.5	34.5	34.8	34.8	35.1	35.1	35.1	34.8	34.8	34.5	34.5
62.5°	25.9	26.2	26.6	26.2	26.2	26.2	25.9	25.9	25.6	25.3	25.3
65°	17.4	17.1	17.7	17.1	17.4	17.4	17.1	17.4	16.5	16.8	16.5
67.5°	12.5	12.2	11.9	12.2	11.9	11.6	11.6	11.9	12.2	11.3	11.3
70°	8.2	8.5	8.2	8.5	8.9	8.9	8.5	8.2	8.5	7.9	8.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	4.9	4.9	4.6
75°	2.4	3.4	2.8	2.4	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.4	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: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	632.2	631.9	632.2	632.5	632.2	631.9	632.2	632.5	631.2	630.9	631.5
5°	645.6	645.6	646.2	646.5	646.2	645.6	645.6	644.4	643.5	642.5	642.2
7.5°	657.2	657.8	658.4	658.7	658.4	657.8	657.2	655.3	653.5	652.0	650.8
10°	664.2	665.1	666.3	666.9	666.3	665.1	664.2	662.1	659.6	657.2	655.3
12.5°	667.3	668.2	669.7	669.4	669.7	668.2	667.3	664.2	661.5	658.1	655.3
15°	665.1	666.3	667.9	668.5	667.9	666.3	665.1	662.1	659.6	656.0	653.2
17.5°	658.4	660.2	661.2	662.1	661.2	660.2	658.4	656.0	652.6	649.6	646.8
20°	649.2	650.5	651.7	652.0	651.7	650.5	649.2	646.5	641.3	640.7	638.6
22.5°	636.1	637.0	639.8	638.9	639.8	637.0	636.1	633.7	631.9	628.5	626.4
25°	617.2	618.1	618.4	618.7	618.4	618.1	617.2	615.1	613.2	610.8	609.6
27.5°	584.5	584.5	585.1	585.5	585.1	584.5	584.5	583.0	581.8	580.6	579.3
30°	535.1	535.1	535.1	536.6	535.1	535.1	535.1	534.8	534.8	535.1	535.1
32.5°	478.0	477.4	476.8	477.4	476.8	477.4	478.0	478.3	478.0	478.9	480.4
35°	413.3	413.0	413.9	412.7	413.9	413.0	413.3	413.3	414.5	415.7	416.0
37.5°	351.3	350.7	351.9	350.7	351.9	350.7	351.3	351.0	350.7	351.3	350.4
40°	292.4	293.0	293.0	295.5	293.0	293.0	292.4	291.8	289.7	288.5	287.2
42.5°	236.0	237.8	237.2	239.0	237.2	237.8	236.0	234.7	232.3	230.1	228.3
45°	182.5	183.8	183.8	184.4	183.8	183.8	182.5	181.3	179.2	177.3	176.1
47.5°	140.1	140.1	140.1	140.4	140.1	140.1	140.1	138.0	137.4	136.1	134.6
50°	106.5	106.8	107.1	107.4	107.1	106.8	106.5	105.9	105.6	105.0	104.7
52.5°	81.8	82.1	81.5	82.1	81.5	82.1	81.8	82.1	81.2	81.2	80.9
55°	62.0	61.7	62.0	62.3	62.0	61.7	62.0	62.0	61.7	61.7	61.7
57.5°	45.5	44.9	44.9	44.9	44.9	44.9	45.5	45.2	46.1	45.5	45.8
60°	33.9	34.2	34.2	34.5	34.2	34.2	33.9	34.5	34.5	34.8	34.8
62.5°	25.0	25.9	25.3	25.9	25.3	25.9	25.0	25.3	25.3	25.6	25.9
65°	16.2	16.2	16.2	16.5	16.2	16.2	16.2	16.5	16.8	16.5	17.4
67.5°	11.0	11.3	11.9	11.6	11.9	11.3	11.0	11.3	11.3	12.2	11.9
70°	8.9	7.9	7.9	8.9	7.9	7.9	8.9	8.2	7.9	8.5	8.2
72.5°	5.2	4.6	5.2	5.2	5.2	4.6	5.2	4.6	4.9	4.9	5.5
75°	2.8	2.4	2.1	3.1	2.1	2.4	2.8	2.8	2.8	2.8	3.1
77.5°	1.8	1.5	2.1	2.1	2.1	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: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	631.5	630.6	630.9	629.1	629.1	628.5	628.8	627.3	626.7	626.0	627.0
5°	640.7	639.2	637.9	635.2	633.7	631.9	630.9	628.5	626.4	624.5	624.2
7.5°	648.0	644.7	642.5	638.9	636.1	634.0	630.9	627.6	624.8	622.4	620.6
10°	651.1	647.7	644.4	639.8	636.7	632.8	629.7	625.4	621.8	618.4	616.3
12.5°	651.4	647.1	644.1	638.9	634.9	630.6	627.3	622.4	618.1	614.8	611.4
15°	648.6	644.7	641.0	635.5	631.5	627.6	623.6	618.4	614.5	610.5	608.0
17.5°	642.5	638.9	634.6	629.4	625.7	622.1	617.8	613.5	609.0	604.7	601.6
20°	634.6	630.6	627.0	621.8	618.7	614.8	610.8	606.2	602.5	598.3	594.9
22.5°	622.7	619.0	615.7	612.6	607.7	604.7	601.9	596.8	593.1	589.1	585.5
25°	605.6	601.9	599.2	595.5	593.4	590.0	587.3	582.7	579.3	575.7	572.6
27.5°	577.5	575.4	573.8	571.7	569.9	568.4	566.8	563.2	560.7	557.4	554.3
30°	535.4	535.1	534.2	533.3	534.5	534.5	534.5	533.9	531.7	529.3	527.1
32.5°	481.4	482.0	483.2	484.1	486.6	489.3	491.7	493.0	493.0	491.4	490.5
35°	417.0	417.9	419.7	422.1	425.2	428.6	434.0	435.3	436.2	436.2	435.0
37.5°	350.1	349.8	351.6	353.8	355.6	358.0	362.0	362.9	364.5	363.9	362.6
40°	285.1	283.6	283.0	283.6	285.7	284.8	285.7	285.1	285.1	283.0	283.0
42.5°	225.0	223.1	221.9	221.0	221.0	218.9	217.3	215.8	214.9	213.4	213.1
45°	173.4	171.2	169.7	169.1	168.2	165.4	163.6	161.8	159.6	159.0	159.3
47.5°	134.6	132.5	131.9	130.3	128.8	127.3	126.1	123.9	123.6	122.4	123.6
50°	103.8	103.2	102.3	101.6	100.7	99.5	98.3	97.1	96.5	96.5	96.8
52.5°	80.6	80.9	80.0	79.1	78.4	78.4	76.9	76.6	76.6	75.4	76.6
55°	61.7	61.3	61.7	61.0	61.0	60.1	60.1	59.2	59.2	58.3	58.9
57.5°	45.2	45.8	45.2	45.5	46.1	45.2	44.9	43.9	44.6	43.9	44.3
60°	35.1	35.1	35.1	34.8	34.8	34.5	34.5	34.2	34.2	33.6	34.2
62.5°	25.9	26.2	26.2	26.2	26.6	26.2	25.9	26.2	25.9	25.9	26.2
65°	17.1	17.4	17.4	17.1	17.7	17.1	17.4	17.7	18.0	17.7	18.0
67.5°	11.6	11.6	11.9	12.2	11.9	12.2	12.5	12.2	12.5	13.1	12.5
70°	8.5	8.9	8.9	8.5	8.2	8.5	8.2	9.2	9.2	9.2	9.8
72.5°	5.5	5.5	5.2	5.2	5.2	5.2	5.2	6.1	5.5	5.2	5.8
75°	3.1	3.4	3.4	2.4	2.8	3.4	2.4	2.8	3.7	3.1	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
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: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	624.5	624.5	624.2	623.6	622.4	622.4	622.1	621.2	620.6	620.2	620.2
5°	621.5	620.2	619.0	615.7	615.7	615.1	613.2	612.0	611.4	609.9	609.3
7.5°	618.7	615.1	612.9	610.8	608.0	606.8	604.7	603.8	601.6	600.1	599.2
10°	612.0	609.6	606.8	603.5	601.3	598.9	596.4	594.6	591.9	590.3	589.1
12.5°	607.4	603.8	601.3	597.7	594.0	591.9	588.5	586.4	583.6	580.6	578.7
15°	603.2	599.2	595.8	591.9	587.9	585.5	581.5	579.0	575.1	572.0	569.9
17.5°	596.8	593.4	589.7	584.8	581.2	578.1	573.8	570.8	567.1	563.2	561.0
20°	590.0	586.1	582.4	577.5	573.8	570.2	565.9	562.6	558.3	554.6	552.2
22.5°	581.2	576.6	573.5	568.7	564.4	560.4	556.5	552.5	548.5	545.5	542.7
25°	568.4	563.5	560.1	556.1	552.2	549.1	544.2	541.8	537.8	535.1	532.3
27.5°	550.0	546.4	543.3	539.4	536.0	533.6	529.9	527.5	524.1	521.7	519.5
30°	523.2	520.1	517.4	513.4	511.0	508.8	505.5	503.3	500.9	498.1	497.5
32.5°	487.2	484.7	482.0	479.2	477.4	476.2	473.4	472.2	469.8	468.2	466.7
35°	432.8	430.7	429.2	428.0	427.3	427.6	427.0	428.3	428.9	428.6	428.9
37.5°	361.7	360.5	361.1	362.0	365.1	369.0	372.7	378.2	381.9	385.5	388.9
40°	282.4	283.3	285.7	291.2	299.1	308.0	316.2	326.6	337.0	344.3	351.0
42.5°	213.1	215.8	221.9	229.8	241.8	254.9	267.7	283.0	295.5	307.7	316.2
45°	160.3	163.9	171.8	182.8	196.0	211.2	227.4	244.5	259.5	272.0	281.4
47.5°	124.8	128.2	136.1	147.7	163.9	179.8	196.6	214.3	229.8	242.1	250.3
50°	98.6	102.9	109.9	122.1	138.3	155.1	172.5	189.9	204.5	214.9	222.2
52.5°	77.5	81.5	88.2	101.0	117.5	134.3	150.5	167.6	180.4	190.5	195.4
55°	60.1	63.8	70.8	81.5	97.1	113.6	129.7	144.4	156.3	163.6	168.2
57.5°	45.8	48.5	53.4	64.1	78.1	93.4	107.1	121.8	131.0	136.1	139.2
60°	34.8	36.9	42.1	50.4	63.2	76.3	87.9	98.9	106.2	110.5	113.6
62.5°	26.2	28.7	32.4	39.4	49.1	59.8	69.6	77.8	83.9	86.7	88.8
65°	18.0	19.8	22.6	28.1	36.3	43.9	51.6	57.7	61.7	64.7	65.9
67.5°	13.4	14.6	16.2	20.5	26.2	32.4	37.5	41.8	46.1	47.3	49.5
70°	10.1	11.0	12.5	15.6	18.9	23.2	27.5	29.9	33.0	35.1	35.7
72.5°	6.4	6.7	8.2	10.1	12.8	15.6	18.3	20.5	22.3	23.5	24.1
75°	3.7	5.5	5.5	7.3	9.2	10.4	12.2	13.7	14.6	15.6	15.6
77.5°	2.4	3.4	3.7	4.6	5.5	7.0	8.5	9.5	10.4	10.7	10.7
80°	2.1	2.4	2.4	3.4	4.0	5.2	6.1	6.4	7.0	7.3	7.9
82.5°	0.9	1.2	1.5	2.4	2.8	2.8	3.7	4.0	4.6	4.9	4.9
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.4	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	1.8	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: P245881

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	625.1	625.1	625.1	625.1	625.1	625.1	625.1
2.5°	619.6	619.9	618.7	618.4	617.8	618.1	618.7
5°	608.3	608.6	607.4	606.2	606.2	605.9	606.2
7.5°	597.7	598.0	596.1	595.5	594.3	594.6	594.6
10°	587.0	587.0	584.2	583.9	583.0	582.7	582.7
12.5°	576.6	575.7	573.5	572.3	572.9	571.1	571.1
15°	567.4	565.9	563.2	562.3	560.7	560.1	560.1
17.5°	558.0	556.8	554.3	552.5	550.7	550.4	550.7
20°	548.8	547.6	544.5	543.3	541.8	541.8	541.2
22.5°	539.7	538.4	535.7	534.8	532.6	532.6	533.0
25°	530.2	529.3	526.2	525.6	525.3	524.1	524.7
27.5°	517.4	516.8	514.3	513.4	512.2	511.9	512.5
30°	493.9	493.0	491.1	490.2	488.1	488.4	489.0
32.5°	464.6	463.4	460.9	460.0	458.2	457.6	457.9
35°	428.0	427.0	424.9	424.9	423.1	422.5	423.1
37.5°	390.7	391.6	390.7	391.6	390.7	390.4	390.7
40°	355.6	359.0	359.6	362.9	361.7	363.5	363.2
42.5°	322.0	327.5	329.7	332.4	331.8	333.0	333.9
45°	288.1	292.7	294.9	296.7	297.0	297.6	297.9
47.5°	256.1	259.8	260.1	262.2	261.9	261.9	262.8
50°	226.2	228.6	229.2	230.8	229.5	228.9	229.2
52.5°	198.4	200.8	200.2	200.8	199.3	198.7	199.0
55°	170.0	171.2	171.2	171.2	169.4	169.4	169.4
57.5°	141.0	141.3	140.7	141.0	140.7	138.9	138.6
60°	114.5	114.5	114.2	114.5	113.6	112.6	112.6
62.5°	89.4	90.0	91.3	90.0	89.4	90.0	89.1
65°	66.9	68.1	67.8	68.4	68.1	68.1	67.5
67.5°	50.4	50.7	51.0	51.3	51.3	51.3	51.3
70°	36.9	37.9	37.5	37.5	37.5	37.5	39.4
72.5°	24.7	25.9	25.6	26.2	26.2	26.9	26.2
75°	16.8	18.0	17.4	18.3	18.0	17.4	18.9
77.5°	11.3	11.9	12.2	12.5	12.2	11.9	12.2
80°	7.9	8.5	8.2	8.5	8.5	8.5	8.9
82.5°	4.9	5.8	5.5	5.8	5.5	5.8	5.8
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
87.5°	2.1	1.8	1.8	2.1	1.8	2.1	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)