

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: P246025

Luminaire Tested: **LD8B15D010 ER8B159730 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246025  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1126.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 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

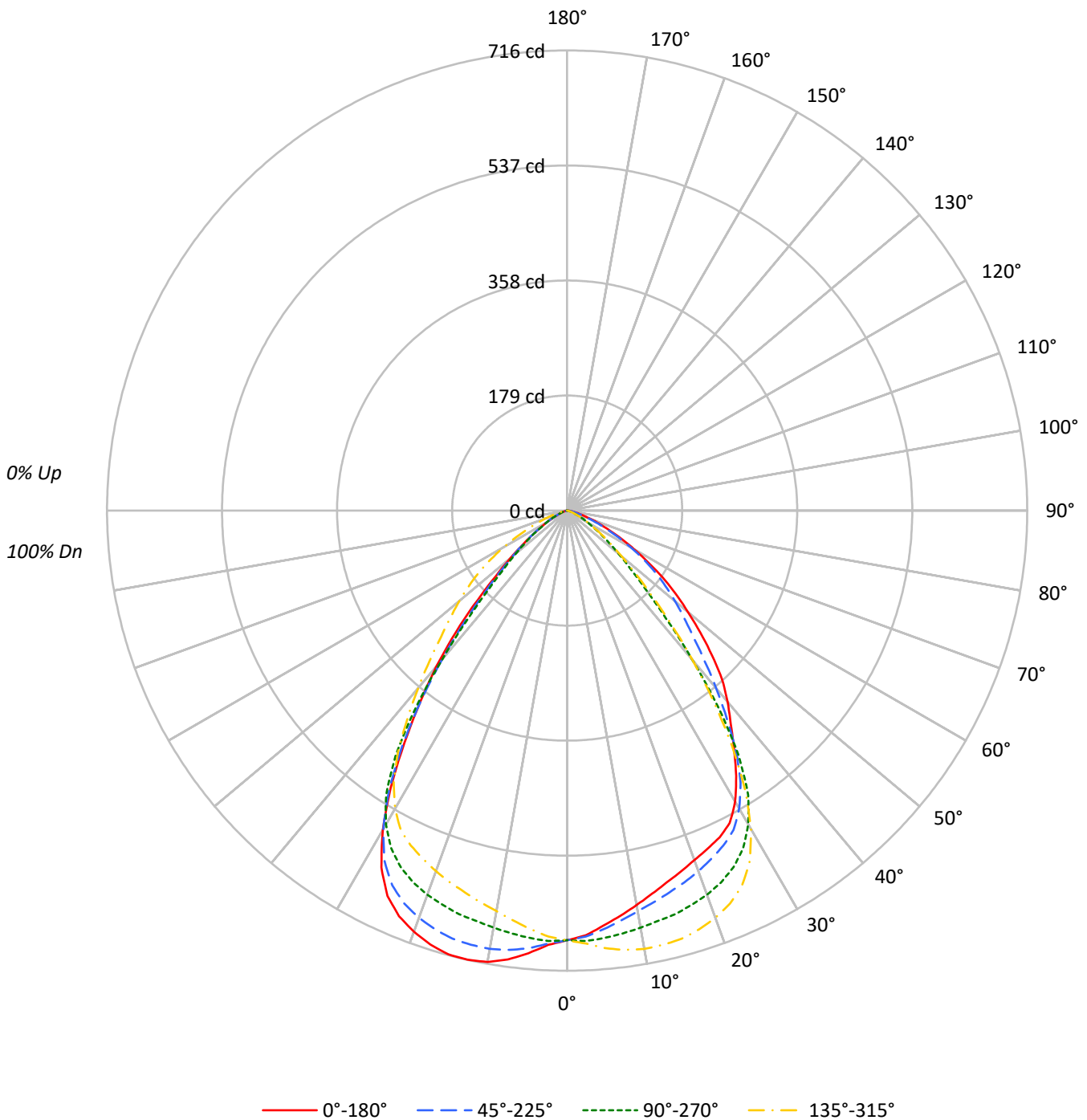
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	63.6	5.7
10°-20°	184.2	16.4
20°-30°	279.0	24.8
30°-40°	279.6	24.8
40°-50°	175.6	15.6
50°-60°	93.6	8.3
60°-70°	38.5	3.4
70°-80°	10.2	0.9
80°-90°	1.7	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°	526.9	46.8
0°-40°	806.5	71.6
0°-60°	1075.6	95.5
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	668	668	668	668	668	
5°	648	668	691	668	648	61
15°	599	650	715	650	599	169
25°	561	612	662	612	561	257
35°	452	465	441	465	452	283
45°	319	170	197	170	319	245
55°	181	63	67	63	181	162
65°	72	19	18	19	72	75
75°	20	4	3	4	20	23
85°	4	0	0	0	4	5
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°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	661.6	661.0	660.6	661.3	661.6	662.9	662.6	663.2	663.2	663.6	664.2
5°	648.2	647.9	648.2	648.2	649.5	650.8	650.5	651.5	652.1	653.8	654.4
7.5°	635.8	635.8	635.5	636.8	637.5	639.4	639.1	640.7	641.7	643.3	645.6
10°	623.1	623.1	623.4	624.4	624.7	627.7	627.7	630.0	631.3	632.9	635.8
12.5°	610.7	610.7	612.7	612.0	613.3	615.6	616.6	618.9	620.8	624.1	627.0
15°	598.9	598.9	599.6	601.2	602.2	605.2	606.8	609.4	611.7	614.9	619.2
17.5°	588.8	588.5	588.8	590.8	592.8	595.4	596.7	599.9	602.2	606.5	610.4
20°	578.7	579.4	579.4	581.0	582.3	585.6	586.9	590.5	593.1	597.0	601.6
22.5°	569.9	569.6	569.6	571.9	572.8	575.8	577.1	580.3	583.3	586.5	590.8
25°	561.1	560.4	561.7	562.1	562.7	566.0	567.0	569.2	572.2	575.1	579.4
27.5°	548.0	547.4	547.7	549.0	550.0	552.6	553.3	555.5	557.8	560.4	564.0
30°	522.9	522.2	521.9	524.2	525.2	527.1	528.1	532.0	532.7	535.6	538.2
32.5°	489.6	489.3	489.9	491.9	492.9	495.5	496.8	499.1	500.7	502.3	504.9
35°	452.4	451.7	452.4	454.4	454.4	456.6	457.6	458.6	458.3	458.6	457.9
37.5°	417.8	417.5	417.8	418.8	417.8	418.8	417.8	415.8	412.3	408.3	404.4
40°	388.4	388.7	386.8	388.1	384.5	383.9	380.3	375.4	368.2	360.4	349.3
42.5°	357.1	356.1	354.8	355.4	352.5	350.2	344.4	338.2	329.0	316.0	302.6
45°	318.6	318.2	317.6	317.3	315.3	313.0	308.1	300.9	290.8	277.4	261.4
47.5°	281.0	280.1	280.1	280.4	278.1	277.8	273.8	267.7	258.8	245.8	229.1
50°	245.1	244.8	245.5	246.8	245.1	244.5	241.9	237.6	229.8	218.7	203.0
52.5°	212.8	212.5	213.1	214.8	214.1	214.8	212.2	208.9	203.7	192.9	179.2
55°	181.2	181.2	181.2	183.1	183.1	183.1	181.8	179.9	175.0	167.1	154.4
57.5°	148.2	148.5	150.5	150.8	150.5	151.1	150.8	148.8	145.6	140.0	130.2
60°	120.4	120.4	121.4	122.4	122.1	122.4	122.4	121.4	118.2	113.6	105.8
62.5°	95.3	96.3	95.6	96.3	97.6	96.3	95.6	95.0	92.7	89.8	83.2
65°	72.1	72.8	72.8	73.1	72.5	72.8	71.5	70.5	69.2	65.9	61.7
67.5°	54.8	54.8	54.8	54.8	54.5	54.2	53.9	52.9	50.6	49.3	44.7
70°	42.1	40.1	40.1	40.1	40.1	40.5	39.5	38.2	37.5	35.3	32.0
72.5°	28.1	28.7	28.1	28.1	27.4	27.7	26.4	25.8	25.1	23.8	21.9
75°	20.2	18.6	19.3	19.6	18.6	19.3	17.9	16.6	16.6	15.7	14.7
77.5°	13.1	12.7	13.1	13.4	13.1	12.7	12.1	11.4	11.4	11.1	10.1
80°	9.5	9.1	9.1	9.1	8.8	9.1	8.5	8.5	7.8	7.5	6.9
82.5°	6.2	6.2	5.9	6.2	5.9	6.2	5.2	5.2	5.2	4.9	4.2
85°	4.2	3.6	3.6	3.9	3.3	3.9	3.6	3.3	2.9	2.9	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	1.3	1.3
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°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	665.2	665.5	665.5	666.8	667.5	667.8	667.8	670.4	669.5	670.1	670.8
5°	655.7	657.7	658.4	658.4	661.9	663.2	664.5	667.5	667.8	669.8	672.1
7.5°	646.6	648.9	650.2	653.1	655.4	657.7	661.6	663.6	665.5	668.1	671.1
10°	637.8	640.4	643.0	645.3	648.9	651.8	654.4	659.0	661.3	664.9	668.8
12.5°	629.3	632.9	635.2	639.1	643.0	645.6	649.5	653.8	657.4	661.0	665.5
15°	621.8	626.0	628.6	632.9	637.1	640.7	645.0	650.2	652.8	657.1	661.3
17.5°	613.6	618.2	621.5	625.4	630.6	634.5	638.1	643.3	646.6	651.2	656.1
20°	605.2	609.7	613.6	617.6	622.8	626.7	630.9	636.2	639.7	644.3	648.2
22.5°	595.0	599.3	603.5	608.1	613.3	616.6	621.5	626.0	630.0	634.2	638.1
25°	582.0	587.2	590.5	594.7	598.9	602.5	607.8	612.3	615.6	619.5	623.1
27.5°	566.6	570.6	573.2	576.7	581.0	584.3	588.2	592.8	596.0	599.6	602.2
30°	540.5	544.1	546.4	549.0	553.3	556.2	559.5	563.7	566.0	568.6	570.9
32.5°	506.2	509.2	510.5	512.5	515.4	518.3	520.9	524.5	525.5	527.1	527.1
35°	456.6	457.3	457.0	457.6	458.9	460.6	462.8	465.1	466.4	466.4	465.5
37.5°	398.5	394.6	390.4	387.1	386.1	385.5	386.8	387.8	389.1	389.7	388.1
40°	338.2	329.3	319.9	311.4	305.5	302.9	301.9	302.6	302.6	304.9	304.9
42.5°	286.3	272.5	258.5	245.8	237.3	230.8	227.8	227.8	228.2	229.8	230.8
45°	243.2	225.9	209.5	195.5	183.8	175.3	171.4	170.4	170.1	170.7	173.0
47.5°	210.2	192.3	175.3	158.0	145.6	137.1	133.5	132.2	130.9	132.2	132.5
50°	184.4	165.8	147.9	130.6	117.5	110.0	105.4	103.5	103.1	103.1	103.8
52.5°	160.9	143.6	125.7	108.0	94.3	87.2	82.9	81.9	80.6	81.9	81.9
55°	138.7	121.4	103.8	87.2	75.7	68.2	64.3	63.0	62.3	63.3	63.3
57.5°	114.6	99.9	83.6	68.5	57.1	51.9	49.0	47.3	47.0	47.7	47.0
60°	94.0	81.6	67.6	53.9	45.0	39.5	37.2	36.6	35.9	36.6	36.6
62.5°	74.4	64.0	52.5	42.1	34.6	30.7	28.1	28.1	27.7	27.7	28.1
65°	55.2	47.0	38.8	30.0	24.2	21.2	19.3	19.3	18.9	19.3	18.9
67.5°	40.1	34.6	28.1	21.9	17.3	15.7	14.4	13.4	14.0	13.4	13.1
70°	29.4	24.8	20.2	16.6	13.4	11.8	10.8	10.4	9.8	9.8	9.8
72.5°	19.6	16.6	13.7	10.8	8.8	7.2	6.9	6.2	5.5	5.9	6.5
75°	13.1	11.1	9.8	7.8	5.9	5.9	3.9	3.9	3.3	3.9	2.9
77.5°	9.1	7.5	5.9	4.9	3.9	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.5	5.5	4.2	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	3.9	2.9	2.9	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.7
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°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	672.4	672.1	672.7	672.7	674.7	674.3	675.3	675.3	674.7	675.0	676.3
5°	674.7	675.7	677.6	679.2	682.2	683.5	685.1	686.8	687.1	688.1	689.0
7.5°	674.7	677.9	680.2	683.2	687.1	689.4	692.9	695.9	697.2	698.8	700.8
10°	673.4	676.6	680.9	684.1	689.0	692.6	696.2	700.8	702.7	705.3	708.0
12.5°	670.8	674.3	678.9	683.2	688.7	692.0	696.5	700.8	703.7	707.3	710.3
15°	666.8	671.1	675.3	679.6	685.4	689.4	693.6	698.5	701.4	705.3	708.0
17.5°	660.6	665.2	669.1	673.0	678.6	683.2	687.1	691.6	694.6	697.9	701.4
20°	653.1	657.4	661.6	664.9	670.4	674.3	678.6	682.8	685.1	685.8	691.3
22.5°	643.7	646.6	649.9	655.1	658.4	661.9	665.9	669.8	672.1	675.7	677.6
25°	628.0	630.9	634.5	636.8	640.7	643.7	647.6	651.8	653.1	655.7	657.7
27.5°	606.1	607.8	609.4	611.3	613.6	615.3	617.6	619.5	620.8	622.1	623.4
30°	571.5	571.5	571.5	570.2	571.2	572.2	572.5	572.2	572.2	571.9	571.9
32.5°	525.8	523.2	520.3	517.7	516.7	515.4	514.7	513.8	512.1	511.1	511.5
35°	464.1	458.3	454.7	451.4	448.8	446.8	445.9	444.9	444.6	443.3	441.9
37.5°	387.1	382.9	380.3	378.3	376.0	374.1	374.4	374.7	375.7	375.0	375.4
40°	305.5	304.5	305.5	303.2	302.6	303.2	304.9	307.2	308.5	309.8	312.0
42.5°	232.4	234.0	236.3	236.3	237.3	238.6	240.6	244.2	246.1	248.4	251.0
45°	175.0	176.9	179.9	180.8	181.5	183.1	185.4	188.3	189.6	191.6	193.9
47.5°	134.8	136.1	137.7	139.4	141.0	141.7	143.9	143.9	145.6	146.9	147.5
50°	105.1	106.4	107.7	108.7	109.3	110.3	111.0	112.0	112.3	112.9	113.3
52.5°	82.2	83.9	83.9	84.5	85.5	86.5	86.2	86.5	86.8	86.8	87.8
55°	64.3	64.3	65.3	65.3	65.9	65.6	65.9	65.9	65.9	65.9	66.3
57.5°	48.0	48.3	49.3	48.6	48.3	49.0	48.3	49.0	48.6	49.3	48.3
60°	36.9	36.9	37.2	37.2	37.5	37.5	37.5	37.2	37.2	36.9	36.9
62.5°	27.7	28.1	28.4	28.1	28.1	28.1	27.7	27.7	27.4	27.1	27.1
65°	18.6	18.3	18.9	18.3	18.6	18.6	18.3	18.6	17.6	17.9	17.6
67.5°	13.4	13.1	12.7	13.1	12.7	12.4	12.4	12.7	13.1	12.1	12.1
70°	8.8	9.1	8.8	9.1	9.5	9.5	9.1	8.8	9.1	8.5	8.8
72.5°	5.5	5.5	5.5	5.5	5.5	5.9	5.9	5.9	5.2	5.2	4.9
75°	2.6	3.6	2.9	2.6	3.6	3.6	3.3	3.3	2.9	2.9	2.9
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	676.0	675.7	676.0	676.3	676.0	675.7	676.0	676.3	675.0	674.7	675.3
5°	690.3	690.3	691.0	691.3	691.0	690.3	690.3	689.0	688.1	687.1	686.8
7.5°	702.7	703.4	704.0	704.4	704.0	703.4	702.7	700.8	698.8	697.2	695.9
10°	710.3	711.2	712.5	713.2	712.5	711.2	710.3	708.0	705.3	702.7	700.8
12.5°	713.5	714.5	716.1	715.8	716.1	714.5	713.5	710.3	707.3	703.7	700.8
15°	711.2	712.5	714.2	714.8	714.2	712.5	711.2	708.0	705.3	701.4	698.5
17.5°	704.0	706.0	707.0	708.0	707.0	706.0	704.0	701.4	697.9	694.6	691.6
20°	694.3	695.6	696.9	697.2	696.9	695.6	694.3	691.3	685.8	685.1	682.8
22.5°	680.2	681.2	684.1	683.2	684.1	681.2	680.2	677.6	675.7	672.1	669.8
25°	660.0	661.0	661.3	661.6	661.3	661.0	660.0	657.7	655.7	653.1	651.8
27.5°	625.1	625.1	625.7	626.0	625.7	625.1	625.1	623.4	622.1	620.8	619.5
30°	572.2	572.2	572.2	573.8	572.2	572.2	572.2	571.9	571.9	572.2	572.2
32.5°	511.1	510.5	509.8	510.5	509.8	510.5	511.1	511.5	511.1	512.1	513.8
35°	441.9	441.6	442.6	441.3	442.6	441.6	441.9	441.9	443.3	444.6	444.9
37.5°	375.7	375.0	376.3	375.0	376.3	375.0	375.7	375.4	375.0	375.7	374.7
40°	312.7	313.3	313.3	316.0	313.3	313.3	312.7	312.0	309.8	308.5	307.2
42.5°	252.3	254.3	253.6	255.6	253.6	254.3	252.3	251.0	248.4	246.1	244.2
45°	195.2	196.5	196.5	197.1	196.5	196.5	195.2	193.9	191.6	189.6	188.3
47.5°	149.8	149.8	149.8	150.1	149.8	149.8	149.8	147.5	146.9	145.6	143.9
50°	113.9	114.2	114.6	114.9	114.6	114.2	113.9	113.3	112.9	112.3	112.0
52.5°	87.5	87.8	87.2	87.8	87.2	87.8	87.5	87.8	86.8	86.8	86.5
55°	66.3	65.9	66.3	66.6	66.3	65.9	66.3	66.3	65.9	65.9	65.9
57.5°	48.6	48.0	48.0	48.0	48.0	48.0	48.6	48.3	49.3	48.6	49.0
60°	36.2	36.6	36.6	36.9	36.6	36.6	36.2	36.9	36.9	37.2	37.2
62.5°	26.8	27.7	27.1	27.7	27.1	27.7	26.8	27.1	27.1	27.4	27.7
65°	17.3	17.3	17.3	17.6	17.3	17.3	17.3	17.6	17.9	17.6	18.6
67.5°	11.8	12.1	12.7	12.4	12.7	12.1	11.8	12.1	12.1	13.1	12.7
70°	9.5	8.5	8.5	9.5	8.5	8.5	9.5	8.8	8.5	9.1	8.8
72.5°	5.5	4.9	5.5	5.5	5.5	4.9	5.5	4.9	5.2	5.2	5.9
75°	2.9	2.6	2.3	3.3	2.3	2.6	2.9	2.9	2.9	2.9	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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: P246025

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	675.3	674.3	674.7	672.7	672.7	672.1	672.4	670.8	670.1	669.5	670.4
5°	685.1	683.5	682.2	679.2	677.6	675.7	674.7	672.1	669.8	667.8	667.5
7.5°	692.9	689.4	687.1	683.2	680.2	677.9	674.7	671.1	668.1	665.5	663.6
10°	696.2	692.6	689.0	684.1	680.9	676.6	673.4	668.8	664.9	661.3	659.0
12.5°	696.5	692.0	688.7	683.2	678.9	674.3	670.8	665.5	661.0	657.4	653.8
15°	693.6	689.4	685.4	679.6	675.3	671.1	666.8	661.3	657.1	652.8	650.2
17.5°	687.1	683.2	678.6	673.0	669.1	665.2	660.6	656.1	651.2	646.6	643.3
20°	678.6	674.3	670.4	664.9	661.6	657.4	653.1	648.2	644.3	639.7	636.2
22.5°	665.9	661.9	658.4	655.1	649.9	646.6	643.7	638.1	634.2	630.0	626.0
25°	647.6	643.7	640.7	636.8	634.5	630.9	628.0	623.1	619.5	615.6	612.3
27.5°	617.6	615.3	613.6	611.3	609.4	607.8	606.1	602.2	599.6	596.0	592.8
30°	572.5	572.2	571.2	570.2	571.5	571.5	571.5	570.9	568.6	566.0	563.7
32.5°	514.7	515.4	516.7	517.7	520.3	523.2	525.8	527.1	527.1	525.5	524.5
35°	445.9	446.8	448.8	451.4	454.7	458.3	464.1	465.5	466.4	466.4	465.1
37.5°	374.4	374.1	376.0	378.3	380.3	382.9	387.1	388.1	389.7	389.1	387.8
40°	304.9	303.2	302.6	303.2	305.5	304.5	305.5	304.9	304.9	302.6	302.6
42.5°	240.6	238.6	237.3	236.3	236.3	234.0	232.4	230.8	229.8	228.2	227.8
45°	185.4	183.1	181.5	180.8	179.9	176.9	175.0	173.0	170.7	170.1	170.4
47.5°	143.9	141.7	141.0	139.4	137.7	136.1	134.8	132.5	132.2	130.9	132.2
50°	111.0	110.3	109.3	108.7	107.7	106.4	105.1	103.8	103.1	103.1	103.5
52.5°	86.2	86.5	85.5	84.5	83.9	83.9	82.2	81.9	81.9	80.6	81.9
55°	65.9	65.6	65.9	65.3	65.3	64.3	64.3	63.3	63.3	62.3	63.0
57.5°	48.3	49.0	48.3	48.6	49.3	48.3	48.0	47.0	47.7	47.0	47.3
60°	37.5	37.5	37.5	37.2	37.2	36.9	36.9	36.6	36.6	35.9	36.6
62.5°	27.7	28.1	28.1	28.1	28.4	28.1	27.7	28.1	27.7	27.7	28.1
65°	18.3	18.6	18.6	18.3	18.9	18.3	18.6	18.9	19.3	18.9	19.3
67.5°	12.4	12.4	12.7	13.1	12.7	13.1	13.4	13.1	13.4	14.0	13.4
70°	9.1	9.5	9.5	9.1	8.8	9.1	8.8	9.8	9.8	9.8	10.4
72.5°	5.9	5.9	5.5	5.5	5.5	5.5	5.5	6.5	5.9	5.5	6.2
75°	3.3	3.6	3.6	2.6	2.9	3.6	2.6	2.9	3.9	3.3	3.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
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	0.7	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: P246025

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	667.8	667.8	667.5	666.8	665.5	665.5	665.2	664.2	663.6	663.2	663.2
5°	664.5	663.2	661.9	658.4	658.4	657.7	655.7	654.4	653.8	652.1	651.5
7.5°	661.6	657.7	655.4	653.1	650.2	648.9	646.6	645.6	643.3	641.7	640.7
10°	654.4	651.8	648.9	645.3	643.0	640.4	637.8	635.8	632.9	631.3	630.0
12.5°	649.5	645.6	643.0	639.1	635.2	632.9	629.3	627.0	624.1	620.8	618.9
15°	645.0	640.7	637.1	632.9	628.6	626.0	621.8	619.2	614.9	611.7	609.4
17.5°	638.1	634.5	630.6	625.4	621.5	618.2	613.6	610.4	606.5	602.2	599.9
20°	630.9	626.7	622.8	617.6	613.6	609.7	605.2	601.6	597.0	593.1	590.5
22.5°	621.5	616.6	613.3	608.1	603.5	599.3	595.0	590.8	586.5	583.3	580.3
25°	607.8	602.5	598.9	594.7	590.5	587.2	582.0	579.4	575.1	572.2	569.2
27.5°	588.2	584.3	581.0	576.7	573.2	570.6	566.6	564.0	560.4	557.8	555.5
30°	559.5	556.2	553.3	549.0	546.4	544.1	540.5	538.2	535.6	532.7	532.0
32.5°	520.9	518.3	515.4	512.5	510.5	509.2	506.2	504.9	502.3	500.7	499.1
35°	462.8	460.6	458.9	457.6	457.0	457.3	456.6	457.9	458.6	458.3	458.6
37.5°	386.8	385.5	386.1	387.1	390.4	394.6	398.5	404.4	408.3	412.3	415.8
40°	301.9	302.9	305.5	311.4	319.9	329.3	338.2	349.3	360.4	368.2	375.4
42.5°	227.8	230.8	237.3	245.8	258.5	272.5	286.3	302.6	316.0	329.0	338.2
45°	171.4	175.3	183.8	195.5	209.5	225.9	243.2	261.4	277.4	290.8	300.9
47.5°	133.5	137.1	145.6	158.0	175.3	192.3	210.2	229.1	245.8	258.8	267.7
50°	105.4	110.0	117.5	130.6	147.9	165.8	184.4	203.0	218.7	229.8	237.6
52.5°	82.9	87.2	94.3	108.0	125.7	143.6	160.9	179.2	192.9	203.7	208.9
55°	64.3	68.2	75.7	87.2	103.8	121.4	138.7	154.4	167.1	175.0	179.9
57.5°	49.0	51.9	57.1	68.5	83.6	99.9	114.6	130.2	140.0	145.6	148.8
60°	37.2	39.5	45.0	53.9	67.6	81.6	94.0	105.8	113.6	118.2	121.4
62.5°	28.1	30.7	34.6	42.1	52.5	64.0	74.4	83.2	89.8	92.7	95.0
65°	19.3	21.2	24.2	30.0	38.8	47.0	55.2	61.7	65.9	69.2	70.5
67.5°	14.4	15.7	17.3	21.9	28.1	34.6	40.1	44.7	49.3	50.6	52.9
70°	10.8	11.8	13.4	16.6	20.2	24.8	29.4	32.0	35.3	37.5	38.2
72.5°	6.9	7.2	8.8	10.8	13.7	16.6	19.6	21.9	23.8	25.1	25.8
75°	3.9	5.9	5.9	7.8	9.8	11.1	13.1	14.7	15.7	16.6	16.6
77.5°	2.6	3.6	3.9	4.9	5.9	7.5	9.1	10.1	11.1	11.4	11.4
80°	2.3	2.6	2.6	3.6	4.2	5.5	6.5	6.9	7.5	7.8	8.5
82.5°	1.0	1.3	1.6	2.6	2.9	2.9	3.9	4.2	4.9	5.2	5.2
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	2.9	2.9	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P246025

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	662.6	662.9	661.6	661.3	660.6	661.0	661.6
5°	650.5	650.8	649.5	648.2	648.2	647.9	648.2
7.5°	639.1	639.4	637.5	636.8	635.5	635.8	635.8
10°	627.7	627.7	624.7	624.4	623.4	623.1	623.1
12.5°	616.6	615.6	613.3	612.0	612.7	610.7	610.7
15°	606.8	605.2	602.2	601.2	599.6	598.9	598.9
17.5°	596.7	595.4	592.8	590.8	588.8	588.5	588.8
20°	586.9	585.6	582.3	581.0	579.4	579.4	578.7
22.5°	577.1	575.8	572.8	571.9	569.6	569.6	569.9
25°	567.0	566.0	562.7	562.1	561.7	560.4	561.1
27.5°	553.3	552.6	550.0	549.0	547.7	547.4	548.0
30°	528.1	527.1	525.2	524.2	521.9	522.2	522.9
32.5°	496.8	495.5	492.9	491.9	489.9	489.3	489.6
35°	457.6	456.6	454.4	454.4	452.4	451.7	452.4
37.5°	417.8	418.8	417.8	418.8	417.8	417.5	417.8
40°	380.3	383.9	384.5	388.1	386.8	388.7	388.4
42.5°	344.4	350.2	352.5	355.4	354.8	356.1	357.1
45°	308.1	313.0	315.3	317.3	317.6	318.2	318.6
47.5°	273.8	277.8	278.1	280.4	280.1	280.1	281.0
50°	241.9	244.5	245.1	246.8	245.5	244.8	245.1
52.5°	212.2	214.8	214.1	214.8	213.1	212.5	212.8
55°	181.8	183.1	183.1	183.1	181.2	181.2	181.2
57.5°	150.8	151.1	150.5	150.8	150.5	148.5	148.2
60°	122.4	122.4	122.1	122.4	121.4	120.4	120.4
62.5°	95.6	96.3	97.6	96.3	95.6	96.3	95.3
65°	71.5	72.8	72.5	73.1	72.8	72.8	72.1
67.5°	53.9	54.2	54.5	54.8	54.8	54.8	54.8
70°	39.5	40.5	40.1	40.1	40.1	40.1	42.1
72.5°	26.4	27.7	27.4	28.1	28.1	28.7	28.1
75°	17.9	19.3	18.6	19.6	19.3	18.6	20.2
77.5°	12.1	12.7	13.1	13.4	13.1	12.7	13.1
80°	8.5	9.1	8.8	9.1	9.1	9.1	9.5
82.5°	5.2	6.2	5.9	6.2	5.9	6.2	6.2
85°	3.6	3.9	3.3	3.9	3.6	3.6	4.2
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)