

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: P246019

Luminaire Tested: **LD8B15D010 ER8B15927 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246019  
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 ER8B15927 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1197.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.14  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

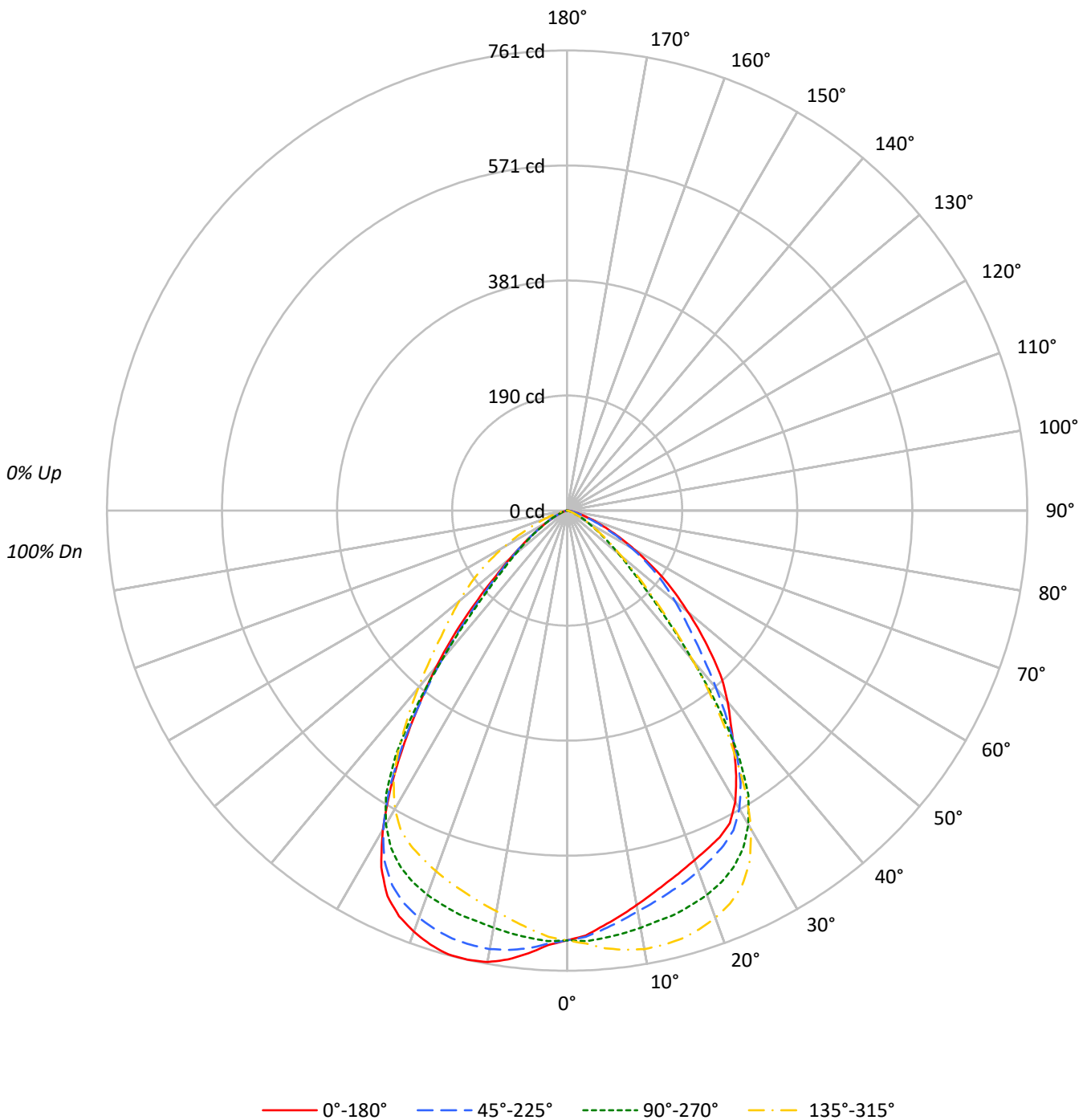
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	67.6	5.7
10°-20°	195.9	16.4
20°-30°	296.6	24.8
30°-40°	297.2	24.8
40°-50°	186.7	15.6
50°-60°	99.5	8.3
60°-70°	40.9	3.4
70°-80°	10.8	0.9
80°-90°	1.8	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°	560.1	46.8
0°-40°	857.3	71.6
0°-60°	1143.5	95.5
0°-90°	1197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	711	711	711	711	711	
5°	689	710	735	710	689	65
15°	637	691	760	691	637	180
25°	596	651	703	651	596	274
35°	481	494	469	494	481	301
45°	339	181	210	181	339	260
55°	193	67	71	67	193	172
65°	77	20	19	20	77	80
75°	22	4	4	4	22	24
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°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	703.4	702.7	702.3	703.0	703.4	704.7	704.4	705.0	705.0	705.4	706.2
5°	689.1	688.7	689.1	689.1	690.5	691.9	691.5	692.6	693.2	695.0	695.7
7.5°	675.9	675.9	675.6	676.9	677.7	679.7	679.4	681.1	682.2	683.9	686.4
10°	662.4	662.4	662.7	663.8	664.1	667.2	667.2	669.7	671.1	672.8	675.9
12.5°	649.2	649.2	651.3	650.6	651.9	654.4	655.4	657.9	659.9	663.4	666.6
15°	636.8	636.8	637.4	639.1	640.2	643.3	645.1	647.8	650.2	653.7	658.2
17.5°	625.9	625.6	625.9	628.1	630.1	632.9	634.3	637.8	640.2	644.7	648.9
20°	615.2	615.9	615.9	617.6	619.0	622.5	623.9	627.8	630.4	634.6	639.4
22.5°	605.8	605.5	605.5	607.9	609.0	612.1	613.5	616.9	620.1	623.5	628.1
25°	596.5	595.8	597.2	597.5	598.2	601.6	602.7	605.1	608.3	611.4	615.9
27.5°	582.6	581.8	582.2	583.6	584.7	587.5	588.2	590.5	593.0	595.8	599.6
30°	555.9	555.2	554.8	557.2	558.3	560.4	561.4	565.5	566.3	569.4	572.2
32.5°	520.4	520.1	520.9	522.9	523.9	526.7	528.1	530.6	532.2	534.0	536.7
35°	480.9	480.3	480.9	483.0	483.0	485.4	486.4	487.5	487.1	487.5	486.8
37.5°	444.2	443.8	444.2	445.2	444.2	445.2	444.2	442.0	438.3	434.0	429.9
40°	412.9	413.2	411.2	412.5	408.7	408.0	404.2	399.0	391.4	383.1	371.2
42.5°	379.6	378.6	377.2	377.9	374.7	372.3	366.1	359.4	349.8	335.9	321.6
45°	338.6	338.3	337.6	337.3	335.1	332.8	327.6	320.0	309.2	295.0	277.9
47.5°	298.8	297.7	297.7	298.0	295.7	295.3	291.2	284.5	275.2	261.2	243.6
50°	260.6	260.2	260.9	262.3	260.6	259.9	257.2	252.6	244.2	232.5	215.8
52.5°	226.2	225.9	226.6	228.3	227.6	228.3	225.6	222.1	216.6	205.1	190.5
55°	192.6	192.6	192.6	194.6	194.6	194.6	193.3	191.2	186.0	177.6	164.1
57.5°	157.5	157.8	160.0	160.3	160.0	160.6	160.3	158.2	154.8	148.8	138.5
60°	128.0	128.0	129.0	130.2	129.7	130.2	130.2	129.0	125.7	120.7	112.4
62.5°	101.4	102.4	101.7	102.4	103.7	102.4	101.7	101.0	98.6	95.4	88.4
65°	76.7	77.4	77.4	77.7	77.1	77.4	76.0	74.9	73.6	70.1	65.6
67.5°	58.3	58.3	58.3	58.3	57.9	57.6	57.3	56.2	53.8	52.4	47.5
70°	44.8	42.6	42.6	42.6	42.6	43.1	42.0	40.6	39.9	37.5	34.0
72.5°	29.8	30.5	29.8	29.8	29.1	29.5	28.1	27.4	26.8	25.3	23.3
75°	21.5	19.8	20.5	20.8	19.8	20.5	19.1	17.7	17.7	16.7	15.6
77.5°	13.8	13.5	13.8	14.2	13.8	13.5	12.8	12.2	12.2	11.8	10.8
80°	10.1	9.7	9.7	9.7	9.3	9.7	9.0	9.0	8.3	8.0	7.3
82.5°	6.6	6.6	6.2	6.6	6.2	6.6	5.5	5.5	5.5	5.2	4.5
85°	4.5	3.8	3.8	4.2	3.5	4.2	3.8	3.5	3.2	3.2	2.8
87.5°	2.1	2.5	2.1	2.5	2.1	2.1	2.5	2.1	2.1	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°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	707.2	707.5	707.5	708.9	709.5	709.9	709.9	712.7	711.7	712.4	713.0
5°	697.1	699.2	699.9	699.9	703.7	705.0	706.5	709.5	709.9	712.0	714.5
7.5°	687.4	689.8	691.2	694.4	696.7	699.2	703.4	705.4	707.5	710.3	713.4
10°	678.0	680.7	683.6	686.0	689.8	692.9	695.7	700.5	703.0	706.8	711.0
12.5°	669.0	672.8	675.2	679.4	683.6	686.4	690.5	695.0	698.8	702.7	707.5
15°	661.1	665.6	668.2	672.8	677.4	681.1	685.7	691.2	694.0	698.5	703.0
17.5°	652.3	657.2	660.7	664.8	670.4	674.6	678.4	683.9	687.4	692.2	697.4
20°	643.3	648.1	652.3	656.4	662.1	666.2	670.7	676.2	680.1	684.9	689.1
22.5°	632.6	637.1	641.6	646.4	651.9	655.4	660.7	665.6	669.7	674.2	678.4
25°	618.6	624.3	627.8	632.2	636.8	640.6	646.1	650.9	654.4	658.6	662.4
27.5°	602.3	606.5	609.3	613.1	617.6	621.1	625.3	630.1	633.6	637.4	640.2
30°	574.6	578.5	580.8	583.6	588.2	591.3	594.8	599.3	601.6	604.5	606.8
32.5°	538.2	541.2	542.7	544.7	547.9	551.0	553.8	557.6	558.7	560.4	560.4
35°	485.4	486.1	485.8	486.4	487.9	489.6	492.1	494.4	495.8	495.8	494.8
37.5°	423.7	419.5	415.0	411.5	410.5	409.8	411.2	412.2	413.7	414.3	412.5
40°	359.4	350.1	340.1	331.0	324.8	322.0	321.0	321.6	321.6	324.1	324.1
42.5°	304.3	289.7	274.8	261.2	252.2	245.4	242.2	242.2	242.6	244.2	245.4
45°	258.5	240.1	222.8	207.9	195.3	186.3	182.1	181.1	180.8	181.5	183.9
47.5°	223.4	204.4	186.3	168.0	154.8	145.7	142.0	140.5	139.2	140.5	140.8
50°	196.1	176.3	157.2	138.8	124.9	116.9	112.0	110.0	109.7	109.7	110.4
52.5°	171.1	152.7	133.6	114.9	100.2	92.7	88.1	87.1	85.7	87.1	87.1
55°	147.5	129.0	110.4	92.7	80.6	72.6	68.4	66.9	66.3	67.3	67.3
57.5°	121.8	106.2	88.9	72.9	60.8	55.1	52.1	50.3	49.9	50.6	49.9
60°	99.9	86.7	71.8	57.3	47.9	42.0	39.6	38.8	38.1	38.8	38.8
62.5°	79.1	68.1	55.9	44.8	36.8	32.6	29.8	29.8	29.5	29.5	29.8
65°	58.6	49.9	41.3	32.0	25.6	22.5	20.5	20.5	20.1	20.5	20.1
67.5°	42.6	36.8	29.8	23.3	18.4	16.7	15.3	14.2	15.0	14.2	13.8
70°	31.3	26.3	21.5	17.7	14.2	12.5	11.5	11.1	10.5	10.5	10.5
72.5°	20.8	17.7	14.5	11.5	9.3	7.6	7.3	6.6	5.9	6.2	7.0
75°	13.8	11.8	10.5	8.3	6.2	6.2	4.2	4.2	3.5	4.2	3.2
77.5°	9.7	8.0	6.2	5.2	4.2	3.8	2.8	2.8	2.5	2.5	2.5
80°	7.0	5.9	4.5	3.8	2.8	2.8	2.5	2.1	1.7	1.7	2.1
82.5°	4.2	3.2	3.2	2.8	1.7	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.5	2.1	1.7	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°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	714.8	714.5	715.2	715.2	717.2	716.8	717.9	717.9	717.2	717.5	719.0
5°	717.2	718.3	720.3	722.0	725.2	726.6	728.3	730.0	730.4	731.5	732.5
7.5°	717.2	720.7	723.2	726.2	730.4	732.8	736.6	739.8	741.2	742.8	745.0
10°	715.8	719.3	723.8	727.3	732.5	736.3	740.1	745.0	747.0	749.8	752.6
12.5°	713.0	716.8	721.7	726.2	732.2	735.6	740.5	745.0	748.1	751.9	755.0
15°	708.9	713.4	717.9	722.4	728.7	732.8	737.3	742.5	745.6	749.8	752.6
17.5°	702.3	707.2	711.3	715.5	721.4	726.2	730.4	735.3	738.3	741.8	745.6
20°	694.4	698.8	703.4	706.8	712.7	716.8	721.4	725.8	728.3	729.0	735.0
22.5°	684.2	687.4	690.9	696.4	699.9	703.7	707.8	712.0	714.5	718.3	720.3
25°	667.6	670.7	674.6	676.9	681.1	684.2	688.4	692.9	694.4	697.1	699.2
27.5°	644.4	646.1	647.8	649.9	652.3	654.1	656.4	658.6	659.9	661.4	662.7
30°	607.6	607.6	607.6	606.2	607.2	608.3	608.6	608.3	608.3	607.9	607.9
32.5°	559.0	556.2	553.1	550.4	549.2	547.9	547.2	546.2	544.4	543.4	543.7
35°	493.4	487.1	483.3	479.9	477.1	475.0	474.0	473.0	472.6	471.3	469.8
37.5°	411.5	407.0	404.2	402.2	399.7	397.7	398.0	398.4	399.4	398.7	399.0
40°	324.8	323.8	324.8	322.3	321.6	322.3	324.1	326.5	327.9	329.3	331.8
42.5°	247.0	248.7	251.2	251.2	252.2	253.7	255.7	259.5	261.7	264.0	266.8
45°	186.0	188.1	191.2	192.3	192.9	194.6	197.1	200.2	201.6	203.6	206.1
47.5°	143.3	144.7	146.5	148.2	149.8	150.6	153.0	153.0	154.8	156.2	156.8
50°	111.7	113.1	114.5	115.5	116.2	117.3	118.0	119.0	119.4	120.0	120.4
52.5°	87.4	89.2	89.2	89.9	90.9	91.9	91.6	91.9	92.2	92.2	93.4
55°	68.4	68.4	69.4	69.4	70.1	69.8	70.1	70.1	70.1	70.1	70.4
57.5°	51.0	51.4	52.4	51.8	51.4	52.1	51.4	52.1	51.8	52.4	51.4
60°	39.2	39.2	39.6	39.6	39.9	39.9	39.9	39.6	39.6	39.2	39.2
62.5°	29.5	29.8	30.2	29.8	29.8	29.8	29.5	29.5	29.1	28.8	28.8
65°	19.8	19.5	20.1	19.5	19.8	19.8	19.5	19.8	18.8	19.1	18.8
67.5°	14.2	13.8	13.5	13.8	13.5	13.2	13.2	13.5	13.8	12.8	12.8
70°	9.3	9.7	9.3	9.7	10.1	10.1	9.7	9.3	9.7	9.0	9.3
72.5°	5.9	5.9	5.9	5.9	5.9	6.2	6.2	6.2	5.5	5.5	5.2
75°	2.8	3.8	3.2	2.8	3.8	3.8	3.5	3.5	3.2	3.2	3.2
77.5°	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.7	2.1	1.7
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.7	1.3	1.3	1.0	1.7
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°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	718.6	718.3	718.6	719.0	718.6	718.3	718.6	719.0	717.5	717.2	717.9
5°	733.8	733.8	734.5	735.0	734.5	733.8	733.8	732.5	731.5	730.4	730.0
7.5°	747.0	747.8	748.5	748.8	748.5	747.8	747.0	745.0	742.8	741.2	739.8
10°	755.0	756.1	757.5	758.1	757.5	756.1	755.0	752.6	749.8	747.0	745.0
12.5°	758.5	759.6	761.3	760.9	761.3	759.6	758.5	755.0	751.9	748.1	745.0
15°	756.1	757.5	759.2	759.9	759.2	757.5	756.1	752.6	749.8	745.6	742.5
17.5°	748.5	750.5	751.6	752.6	751.6	750.5	748.5	745.6	741.8	738.3	735.3
20°	738.0	739.5	740.8	741.2	740.8	739.5	738.0	735.0	729.0	728.3	725.8
22.5°	723.2	724.2	727.3	726.2	727.3	724.2	723.2	720.3	718.3	714.5	712.0
25°	701.6	702.7	703.0	703.4	703.0	702.7	701.6	699.2	697.1	694.4	692.9
27.5°	664.4	664.4	665.2	665.6	665.2	664.4	664.4	662.7	661.4	659.9	658.6
30°	608.3	608.3	608.3	610.0	608.3	608.3	608.3	607.9	607.9	608.3	608.3
32.5°	543.4	542.7	542.0	542.7	542.0	542.7	543.4	543.7	543.4	544.4	546.2
35°	469.8	469.5	470.5	469.1	470.5	469.5	469.8	469.8	471.3	472.6	473.0
37.5°	399.4	398.7	400.0	398.7	400.0	398.7	399.4	399.0	398.7	399.4	398.4
40°	332.4	333.1	333.1	335.9	333.1	333.1	332.4	331.8	329.3	327.9	326.5
42.5°	268.2	270.3	269.6	271.7	269.6	270.3	268.2	266.8	264.0	261.7	259.5
45°	207.4	208.9	208.9	209.6	208.9	208.9	207.4	206.1	203.6	201.6	200.2
47.5°	159.3	159.3	159.3	159.6	159.3	159.3	159.3	156.8	156.2	154.8	153.0
50°	121.0	121.4	121.8	122.2	121.8	121.4	121.0	120.4	120.0	119.4	119.0
52.5°	93.0	93.4	92.7	93.4	92.7	93.4	93.0	93.4	92.2	92.2	91.9
55°	70.4	70.1	70.4	70.8	70.4	70.1	70.4	70.4	70.1	70.1	70.1
57.5°	51.8	51.0	51.0	51.0	51.0	51.0	51.8	51.4	52.4	51.8	52.1
60°	38.5	38.8	38.8	39.2	38.8	38.8	38.5	39.2	39.2	39.6	39.6
62.5°	28.5	29.5	28.8	29.5	28.8	29.5	28.5	28.8	28.8	29.1	29.5
65°	18.4	18.4	18.4	18.8	18.4	18.4	18.4	18.8	19.1	18.8	19.8
67.5°	12.5	12.8	13.5	13.2	13.5	12.8	12.5	12.8	12.8	13.8	13.5
70°	10.1	9.0	9.0	10.1	9.0	9.0	10.1	9.3	9.0	9.7	9.3
72.5°	5.9	5.2	5.9	5.9	5.9	5.2	5.9	5.2	5.5	5.5	6.2
75°	3.2	2.8	2.5	3.5	2.5	2.8	3.2	3.2	3.2	3.2	3.5
77.5°	2.1	1.7	2.5	2.5	2.5	1.7	2.1	1.7	2.1	1.7	2.1
80°	1.0	1.3	1.0	1.7	1.0	1.3	1.0	1.7	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: P246019

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	717.9	716.8	717.2	715.2	715.2	714.5	714.8	713.0	712.4	711.7	712.7
5°	728.3	726.6	725.2	722.0	720.3	718.3	717.2	714.5	712.0	709.9	709.5
7.5°	736.6	732.8	730.4	726.2	723.2	720.7	717.2	713.4	710.3	707.5	705.4
10°	740.1	736.3	732.5	727.3	723.8	719.3	715.8	711.0	706.8	703.0	700.5
12.5°	740.5	735.6	732.2	726.2	721.7	716.8	713.0	707.5	702.7	698.8	695.0
15°	737.3	732.8	728.7	722.4	717.9	713.4	708.9	703.0	698.5	694.0	691.2
17.5°	730.4	726.2	721.4	715.5	711.3	707.2	702.3	697.4	692.2	687.4	683.9
20°	721.4	716.8	712.7	706.8	703.4	698.8	694.4	689.1	684.9	680.1	676.2
22.5°	707.8	703.7	699.9	696.4	690.9	687.4	684.2	678.4	674.2	669.7	665.6
25°	688.4	684.2	681.1	676.9	674.6	670.7	667.6	662.4	658.6	654.4	650.9
27.5°	656.4	654.1	652.3	649.9	647.8	646.1	644.4	640.2	637.4	633.6	630.1
30°	608.6	608.3	607.2	606.2	607.6	607.6	607.6	606.8	604.5	601.6	599.3
32.5°	547.2	547.9	549.2	550.4	553.1	556.2	559.0	560.4	560.4	558.7	557.6
35°	474.0	475.0	477.1	479.9	483.3	487.1	493.4	494.8	495.8	495.8	494.4
37.5°	398.0	397.7	399.7	402.2	404.2	407.0	411.5	412.5	414.3	413.7	412.2
40°	324.1	322.3	321.6	322.3	324.8	323.8	324.8	324.1	324.1	321.6	321.6
42.5°	255.7	253.7	252.2	251.2	251.2	248.7	247.0	245.4	244.2	242.6	242.2
45°	197.1	194.6	192.9	192.3	191.2	188.1	186.0	183.9	181.5	180.8	181.1
47.5°	153.0	150.6	149.8	148.2	146.5	144.7	143.3	140.8	140.5	139.2	140.5
50°	118.0	117.3	116.2	115.5	114.5	113.1	111.7	110.4	109.7	109.7	110.0
52.5°	91.6	91.9	90.9	89.9	89.2	89.2	87.4	87.1	87.1	85.7	87.1
55°	70.1	69.8	70.1	69.4	69.4	68.4	68.4	67.3	67.3	66.3	66.9
57.5°	51.4	52.1	51.4	51.8	52.4	51.4	51.0	49.9	50.6	49.9	50.3
60°	39.9	39.9	39.9	39.6	39.6	39.2	39.2	38.8	38.8	38.1	38.8
62.5°	29.5	29.8	29.8	29.8	30.2	29.8	29.5	29.8	29.5	29.5	29.8
65°	19.5	19.8	19.8	19.5	20.1	19.5	19.8	20.1	20.5	20.1	20.5
67.5°	13.2	13.2	13.5	13.8	13.5	13.8	14.2	13.8	14.2	15.0	14.2
70°	9.7	10.1	10.1	9.7	9.3	9.7	9.3	10.5	10.5	10.5	11.1
72.5°	6.2	6.2	5.9	5.9	5.9	5.9	5.9	7.0	6.2	5.9	6.6
75°	3.5	3.8	3.8	2.8	3.2	3.8	2.8	3.2	4.2	3.5	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.5	2.5	2.5	2.8
80°	1.7	1.3	1.3	1.0	1.3	1.3	1.3	2.1	1.7	1.7	2.1
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: P246019

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	709.9	709.9	709.5	708.9	707.5	707.5	707.2	706.2	705.4	705.0	705.0
5°	706.5	705.0	703.7	699.9	699.9	699.2	697.1	695.7	695.0	693.2	692.6
7.5°	703.4	699.2	696.7	694.4	691.2	689.8	687.4	686.4	683.9	682.2	681.1
10°	695.7	692.9	689.8	686.0	683.6	680.7	678.0	675.9	672.8	671.1	669.7
12.5°	690.5	686.4	683.6	679.4	675.2	672.8	669.0	666.6	663.4	659.9	657.9
15°	685.7	681.1	677.4	672.8	668.2	665.6	661.1	658.2	653.7	650.2	647.8
17.5°	678.4	674.6	670.4	664.8	660.7	657.2	652.3	648.9	644.7	640.2	637.8
20°	670.7	666.2	662.1	656.4	652.3	648.1	643.3	639.4	634.6	630.4	627.8
22.5°	660.7	655.4	651.9	646.4	641.6	637.1	632.6	628.1	623.5	620.1	616.9
25°	646.1	640.6	636.8	632.2	627.8	624.3	618.6	615.9	611.4	608.3	605.1
27.5°	625.3	621.1	617.6	613.1	609.3	606.5	602.3	599.6	595.8	593.0	590.5
30°	594.8	591.3	588.2	583.6	580.8	578.5	574.6	572.2	569.4	566.3	565.5
32.5°	553.8	551.0	547.9	544.7	542.7	541.2	538.2	536.7	534.0	532.2	530.6
35°	492.1	489.6	487.9	486.4	485.8	486.1	485.4	486.8	487.5	487.1	487.5
37.5°	411.2	409.8	410.5	411.5	415.0	419.5	423.7	429.9	434.0	438.3	442.0
40°	321.0	322.0	324.8	331.0	340.1	350.1	359.4	371.2	383.1	391.4	399.0
42.5°	242.2	245.4	252.2	261.2	274.8	289.7	304.3	321.6	335.9	349.8	359.4
45°	182.1	186.3	195.3	207.9	222.8	240.1	258.5	277.9	295.0	309.2	320.0
47.5°	142.0	145.7	154.8	168.0	186.3	204.4	223.4	243.6	261.2	275.2	284.5
50°	112.0	116.9	124.9	138.8	157.2	176.3	196.1	215.8	232.5	244.2	252.6
52.5°	88.1	92.7	100.2	114.9	133.6	152.7	171.1	190.5	205.1	216.6	222.1
55°	68.4	72.6	80.6	92.7	110.4	129.0	147.5	164.1	177.6	186.0	191.2
57.5°	52.1	55.1	60.8	72.9	88.9	106.2	121.8	138.5	148.8	154.8	158.2
60°	39.6	42.0	47.9	57.3	71.8	86.7	99.9	112.4	120.7	125.7	129.0
62.5°	29.8	32.6	36.8	44.8	55.9	68.1	79.1	88.4	95.4	98.6	101.0
65°	20.5	22.5	25.6	32.0	41.3	49.9	58.6	65.6	70.1	73.6	74.9
67.5°	15.3	16.7	18.4	23.3	29.8	36.8	42.6	47.5	52.4	53.8	56.2
70°	11.5	12.5	14.2	17.7	21.5	26.3	31.3	34.0	37.5	39.9	40.6
72.5°	7.3	7.6	9.3	11.5	14.5	17.7	20.8	23.3	25.3	26.8	27.4
75°	4.2	6.2	6.2	8.3	10.5	11.8	13.8	15.6	16.7	17.7	17.7
77.5°	2.8	3.8	4.2	5.2	6.2	8.0	9.7	10.8	11.8	12.2	12.2
80°	2.5	2.8	2.8	3.8	4.5	5.9	7.0	7.3	8.0	8.3	9.0
82.5°	1.0	1.3	1.7	2.8	3.2	3.2	4.2	4.5	5.2	5.5	5.5
85°	0.3	0.7	0.7	1.0	1.7	2.1	2.5	2.8	3.2	3.2	3.5
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.1	2.1
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: P246019

CATALOG NUMBER: LD8B15D010 ER8B15927 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	710.7	710.7	710.7	710.7	710.7	710.7	710.7
2.5°	704.4	704.7	703.4	703.0	702.3	702.7	703.4
5°	691.5	691.9	690.5	689.1	689.1	688.7	689.1
7.5°	679.4	679.7	677.7	676.9	675.6	675.9	675.9
10°	667.2	667.2	664.1	663.8	662.7	662.4	662.4
12.5°	655.4	654.4	651.9	650.6	651.3	649.2	649.2
15°	645.1	643.3	640.2	639.1	637.4	636.8	636.8
17.5°	634.3	632.9	630.1	628.1	625.9	625.6	625.9
20°	623.9	622.5	619.0	617.6	615.9	615.9	615.2
22.5°	613.5	612.1	609.0	607.9	605.5	605.5	605.8
25°	602.7	601.6	598.2	597.5	597.2	595.8	596.5
27.5°	588.2	587.5	584.7	583.6	582.2	581.8	582.6
30°	561.4	560.4	558.3	557.2	554.8	555.2	555.9
32.5°	528.1	526.7	523.9	522.9	520.9	520.1	520.4
35°	486.4	485.4	483.0	483.0	480.9	480.3	480.9
37.5°	444.2	445.2	444.2	445.2	444.2	443.8	444.2
40°	404.2	408.0	408.7	412.5	411.2	413.2	412.9
42.5°	366.1	372.3	374.7	377.9	377.2	378.6	379.6
45°	327.6	332.8	335.1	337.3	337.6	338.3	338.6
47.5°	291.2	295.3	295.7	298.0	297.7	297.7	298.8
50°	257.2	259.9	260.6	262.3	260.9	260.2	260.6
52.5°	225.6	228.3	227.6	228.3	226.6	225.9	226.2
55°	193.3	194.6	194.6	194.6	192.6	192.6	192.6
57.5°	160.3	160.6	160.0	160.3	160.0	157.8	157.5
60°	130.2	130.2	129.7	130.2	129.0	128.0	128.0
62.5°	101.7	102.4	103.7	102.4	101.7	102.4	101.4
65°	76.0	77.4	77.1	77.7	77.4	77.4	76.7
67.5°	57.3	57.6	57.9	58.3	58.3	58.3	58.3
70°	42.0	43.1	42.6	42.6	42.6	42.6	44.8
72.5°	28.1	29.5	29.1	29.8	29.8	30.5	29.8
75°	19.1	20.5	19.8	20.8	20.5	19.8	21.5
77.5°	12.8	13.5	13.8	14.2	13.8	13.5	13.8
80°	9.0	9.7	9.3	9.7	9.7	9.7	10.1
82.5°	5.5	6.6	6.2	6.6	6.2	6.6	6.6
85°	3.8	4.2	3.5	4.2	3.8	3.8	4.5
87.5°	2.5	2.1	2.1	2.5	2.1	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)