

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: P245947

Luminaire Tested: **LSR8B15D010 EC8B15927 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245947  
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: LSR8B15D010 EC8B15927 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 924.8 lumens  
Efficiency: N/A  
Efficacy: 64.2 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

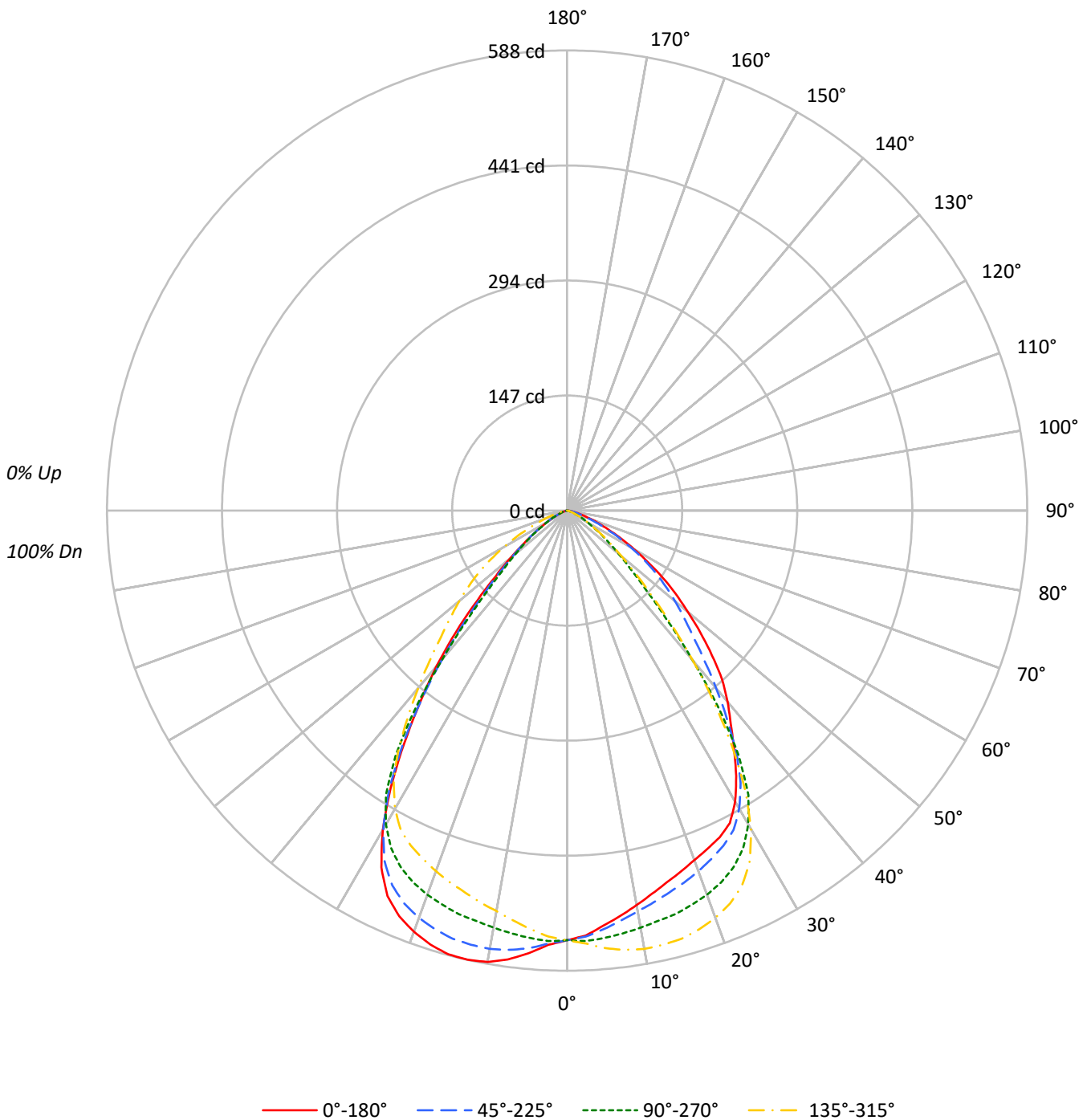
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	52.3	5.7
10°-20°	151.3	16.4
20°-30°	229.1	24.8
30°-40°	229.6	24.8
40°-50°	144.2	15.6
50°-60°	76.8	8.3
60°-70°	31.6	3.4
70°-80°	8.3	0.9
80°-90°	1.4	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°	432.7	46.8
0°-40°	662.3	71.6
0°-60°	883.4	95.5
0°-90°	924.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	549	549	549	549	549	
5°	532	548	568	548	532	50
15°	492	534	587	534	492	139
25°	461	503	543	503	461	211
35°	372	382	362	382	372	233
45°	262	140	162	140	262	201
55°	149	52	55	52	149	133
65°	59	16	14	16	59	61
75°	17	3	3	3	17	19
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	543.4	542.8	542.6	543.2	543.4	544.4	544.2	544.7	544.7	544.9	545.5
5°	532.4	532.1	532.4	532.4	533.5	534.5	534.3	535.1	535.6	537.0	537.4
7.5°	522.2	522.2	521.9	523.0	523.6	525.2	524.8	526.2	527.1	528.3	530.2
10°	511.8	511.8	512.0	512.8	513.1	515.5	515.5	517.4	518.4	519.8	522.2
12.5°	501.5	501.5	503.2	502.6	503.7	505.6	506.4	508.3	509.8	512.6	514.9
15°	491.8	491.8	492.4	493.8	494.6	497.0	498.4	500.5	502.3	505.0	508.5
17.5°	483.6	483.3	483.6	485.2	486.8	488.9	490.0	492.8	494.6	498.0	501.3
20°	475.3	475.9	475.9	477.1	478.2	480.9	482.0	485.0	487.1	490.3	494.1
22.5°	468.0	467.8	467.8	469.7	470.5	472.8	474.0	476.7	479.0	481.7	485.2
25°	460.8	460.2	461.4	461.6	462.2	464.8	465.6	467.6	469.9	472.4	475.9
27.5°	450.1	449.6	449.8	450.9	451.7	453.8	454.4	456.3	458.1	460.2	463.2
30°	429.4	428.8	428.6	430.5	431.3	432.9	433.7	437.0	437.5	439.9	442.0
32.5°	402.1	401.8	402.4	404.0	404.8	406.9	408.0	409.8	411.2	412.5	414.7
35°	371.6	371.0	371.6	373.2	373.2	375.1	375.9	376.7	376.3	376.7	376.1
37.5°	343.1	342.9	343.1	343.9	343.1	343.9	343.1	341.6	338.6	335.4	332.1
40°	319.0	319.3	317.7	318.7	315.8	315.2	312.3	308.2	302.4	296.0	286.9
42.5°	293.3	292.5	291.4	291.9	289.5	287.7	282.8	277.8	270.2	259.5	248.5
45°	261.7	261.3	260.8	260.6	259.0	257.1	253.0	247.2	238.8	227.8	214.8
47.5°	230.8	230.0	230.0	230.3	228.4	228.2	224.9	219.8	212.6	201.8	188.2
50°	201.3	201.0	201.6	202.6	201.3	200.8	198.7	195.2	188.8	179.7	166.7
52.5°	174.8	174.5	175.0	176.4	175.8	176.4	174.3	171.6	167.3	158.4	147.2
55°	148.7	148.7	148.7	150.4	150.4	150.4	149.3	147.7	143.7	137.2	126.8
57.5°	121.7	122.0	123.5	123.9	123.5	124.1	123.9	122.3	119.6	115.0	107.0
60°	98.9	98.9	99.7	100.6	100.2	100.6	100.6	99.7	97.1	93.3	86.9
62.5°	78.3	79.1	78.5	79.1	80.1	79.1	78.5	78.0	76.2	73.7	68.4
65°	59.3	59.7	59.7	60.1	59.5	59.7	58.7	57.9	56.8	54.1	50.6
67.5°	45.0	45.0	45.0	45.0	44.8	44.6	44.2	43.4	41.5	40.5	36.7
70°	34.5	33.0	33.0	33.0	33.0	33.3	32.4	31.4	30.8	28.9	26.3
72.5°	23.1	23.6	23.1	23.1	22.5	22.8	21.7	21.2	20.7	19.6	18.0
75°	16.7	15.3	15.9	16.1	15.3	15.9	14.7	13.7	13.7	12.8	12.0
77.5°	10.7	10.5	10.7	11.0	10.7	10.5	9.9	9.3	9.3	9.1	8.3
80°	7.8	7.5	7.5	7.5	7.2	7.5	7.0	7.0	6.4	6.2	5.6
82.5°	5.1	5.1	4.8	5.1	4.8	5.1	4.3	4.3	4.3	4.0	3.5
85°	3.5	2.9	2.9	3.3	2.7	3.3	2.9	2.7	2.4	2.4	2.1
87.5°	1.6	1.9	1.6	1.9	1.6	1.6	1.9	1.6	1.6	1.1	1.1
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	546.3	546.5	546.5	547.6	548.2	548.4	548.4	550.6	549.8	550.4	550.9
5°	538.5	540.1	540.7	540.7	543.6	544.7	545.7	548.2	548.4	550.0	551.9
7.5°	531.0	532.9	534.0	536.4	538.3	540.1	543.4	544.9	546.5	548.8	551.1
10°	523.8	525.9	528.1	530.0	532.9	535.3	537.4	541.2	543.2	546.1	549.2
12.5°	516.8	519.8	521.7	524.8	528.1	530.2	533.5	537.0	539.9	542.8	546.5
15°	510.6	514.1	516.3	519.8	523.2	526.2	529.6	534.0	536.2	539.7	543.2
17.5°	504.0	507.7	510.4	513.6	517.9	521.1	524.0	528.3	531.0	534.8	538.8
20°	497.0	500.7	504.0	507.2	511.4	514.7	518.2	522.4	525.4	529.2	532.4
22.5°	488.7	492.2	495.7	499.4	503.7	506.4	510.4	514.1	517.4	520.9	524.0
25°	478.0	482.3	485.0	488.4	491.8	494.9	499.2	502.9	505.6	508.8	511.8
27.5°	465.4	468.6	470.7	473.6	477.1	479.8	483.1	486.8	489.5	492.4	494.6
30°	443.9	446.8	448.8	450.9	454.4	456.8	459.4	462.9	464.8	467.0	468.9
32.5°	415.8	418.2	419.3	420.9	423.2	425.7	427.8	430.8	431.6	432.9	432.9
35°	375.1	375.5	375.3	375.9	376.9	378.2	380.1	381.9	383.1	383.1	382.3
37.5°	327.3	324.1	320.6	317.9	317.1	316.6	317.7	318.5	319.5	320.1	318.7
40°	277.8	270.4	262.7	255.7	250.9	248.7	248.0	248.5	248.5	250.3	250.3
42.5°	235.1	223.9	212.3	201.8	194.8	189.6	187.1	187.1	187.4	188.8	189.6
45°	199.7	185.5	172.1	160.5	151.0	144.0	140.7	140.0	139.6	140.2	142.1
47.5°	172.7	157.8	144.0	129.7	119.6	112.6	109.7	108.6	107.4	108.6	108.8
50°	151.4	136.1	121.4	107.2	96.5	90.3	86.6	84.9	84.7	84.7	85.3
52.5°	132.2	117.9	103.2	88.8	77.5	71.6	68.1	67.3	66.3	67.3	67.3
55°	114.0	99.7	85.3	71.6	62.2	56.0	52.8	51.8	51.2	52.0	52.0
57.5°	94.0	82.0	68.6	56.2	46.9	42.6	40.2	38.9	38.6	39.2	38.6
60°	77.2	67.0	55.5	44.2	37.0	32.4	30.6	30.0	29.5	30.0	30.0
62.5°	61.1	52.5	43.2	34.5	28.5	25.2	23.1	23.1	22.8	22.8	23.1
65°	45.3	38.6	32.0	24.6	19.8	17.4	15.9	15.9	15.5	15.9	15.5
67.5°	33.0	28.5	23.1	18.0	14.2	12.8	11.8	11.0	11.5	11.0	10.7
70°	24.1	20.4	16.7	13.7	11.0	9.7	8.9	8.5	8.0	8.0	8.0
72.5°	16.1	13.7	11.2	8.9	7.2	5.9	5.6	5.1	4.6	4.8	5.4
75°	10.7	9.1	8.0	6.4	4.8	4.8	3.3	3.3	2.7	3.3	2.4
77.5°	7.5	6.2	4.8	4.0	3.3	2.9	2.1	2.1	1.9	1.9	1.9
80°	5.4	4.6	3.5	2.9	2.1	2.1	1.9	1.6	1.3	1.3	1.6
82.5°	3.3	2.4	2.4	2.1	1.3	1.1	0.8	1.1	0.6	0.6	0.6
85°	1.9	1.6	1.3	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.1	0.6	0.6	0.2	0.0	0.2	0.2	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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	552.3	551.9	552.5	552.5	554.1	553.8	554.6	554.6	554.1	554.4	555.4
5°	554.1	554.8	556.5	557.9	560.2	561.4	562.6	564.0	564.3	565.1	565.9
7.5°	554.1	556.8	558.7	561.0	564.3	566.1	569.1	571.5	572.6	574.0	575.6
10°	553.1	555.6	559.1	561.8	565.9	568.8	571.7	575.6	577.1	579.3	581.4
12.5°	550.9	553.8	557.6	561.0	565.6	568.2	572.1	575.6	577.9	580.8	583.3
15°	547.6	551.1	554.6	558.1	562.9	566.1	569.6	573.6	576.1	579.3	581.4
17.5°	542.6	546.3	549.6	552.7	557.3	561.0	564.3	568.0	570.5	573.1	576.1
20°	536.4	539.9	543.4	546.1	550.6	553.8	557.3	560.8	562.6	563.2	567.8
22.5°	528.6	531.0	533.7	538.0	540.7	543.6	546.9	550.0	551.9	554.8	556.5
25°	515.7	518.2	521.1	523.0	526.2	528.6	531.8	535.3	536.4	538.5	540.1
27.5°	497.8	499.2	500.5	502.1	504.0	505.4	507.2	508.8	509.8	511.0	512.0
30°	469.4	469.4	469.4	468.3	469.1	469.9	470.1	469.9	469.9	469.7	469.7
32.5°	431.9	429.8	427.3	425.1	424.4	423.2	422.8	421.9	420.6	419.7	420.1
35°	381.2	376.3	373.4	370.7	368.6	367.0	366.2	365.4	365.1	364.0	362.9
37.5°	317.9	314.4	312.3	310.7	308.8	307.2	307.5	307.7	308.6	308.0	308.2
40°	250.9	250.1	250.9	249.1	248.5	249.1	250.3	252.2	253.4	254.4	256.3
42.5°	190.9	192.2	194.1	194.1	194.8	196.0	197.5	200.5	202.2	204.0	206.1
45°	143.7	145.2	147.7	148.5	149.1	150.4	152.2	154.7	155.7	157.4	159.2
47.5°	110.7	111.8	113.1	114.4	115.8	116.3	118.2	118.2	119.6	120.6	121.2
50°	86.3	87.4	88.4	89.2	89.8	90.6	91.1	91.9	92.2	92.7	93.0
52.5°	67.5	68.9	68.9	69.4	70.2	71.0	70.8	71.0	71.3	71.3	72.1
55°	52.8	52.8	53.7	53.7	54.1	53.9	54.1	54.1	54.1	54.1	54.4
57.5°	39.4	39.7	40.5	39.9	39.7	40.2	39.7	40.2	39.9	40.5	39.7
60°	30.3	30.3	30.6	30.6	30.8	30.8	30.8	30.6	30.6	30.3	30.3
62.5°	22.8	23.1	23.3	23.1	23.1	23.1	22.8	22.8	22.5	22.3	22.3
65°	15.3	15.0	15.5	15.0	15.3	15.3	15.0	15.3	14.5	14.7	14.5
67.5°	11.0	10.7	10.5	10.7	10.5	10.2	10.2	10.5	10.7	9.9	9.9
70°	7.2	7.5	7.2	7.5	7.8	7.8	7.5	7.2	7.5	7.0	7.2
72.5°	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8	4.3	4.3	4.0
75°	2.1	2.9	2.4	2.1	2.9	2.9	2.7	2.7	2.4	2.4	2.4
77.5°	2.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.3	1.6	1.3
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.3	1.1	1.1	0.8	1.3
82.5°	0.6	0.6	0.6	0.0	0.2	0.6	0.6	0.2	0.6	0.6	0.2
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	555.2	554.8	555.2	555.4	555.2	554.8	555.2	555.4	554.4	554.1	554.6
5°	567.0	567.0	567.4	567.8	567.4	567.0	567.0	565.9	565.1	564.3	564.0
7.5°	577.1	577.7	578.2	578.5	578.2	577.7	577.1	575.6	574.0	572.6	571.5
10°	583.3	584.1	585.2	585.7	585.2	584.1	583.3	581.4	579.3	577.1	575.6
12.5°	586.0	586.8	588.2	587.8	588.2	586.8	586.0	583.3	580.8	577.9	575.6
15°	584.1	585.2	586.6	587.0	586.6	585.2	584.1	581.4	579.3	576.1	573.6
17.5°	578.2	579.8	580.6	581.4	580.6	579.8	578.2	576.1	573.1	570.5	568.0
20°	570.2	571.3	572.3	572.6	572.3	571.3	570.2	567.8	563.2	562.6	560.8
22.5°	558.7	559.5	561.8	561.0	561.8	559.5	558.7	556.5	554.8	551.9	550.0
25°	542.0	542.8	543.2	543.4	543.2	542.8	542.0	540.1	538.5	536.4	535.3
27.5°	513.3	513.3	513.9	514.1	513.9	513.3	513.3	512.0	511.0	509.8	508.8
30°	469.9	469.9	469.9	471.3	469.9	469.9	469.9	469.7	469.7	469.9	469.9
32.5°	419.7	419.3	418.7	419.3	418.7	419.3	419.7	420.1	419.7	420.6	421.9
35°	362.9	362.7	363.5	362.5	363.5	362.7	362.9	362.9	364.0	365.1	365.4
37.5°	308.6	308.0	309.0	308.0	309.0	308.0	308.6	308.2	308.0	308.6	307.7
40°	256.8	257.3	257.3	259.5	257.3	257.3	256.8	256.3	254.4	253.4	252.2
42.5°	207.2	208.8	208.2	209.9	208.2	208.8	207.2	206.1	204.0	202.2	200.5
45°	160.3	161.3	161.3	161.9	161.3	161.3	160.3	159.2	157.4	155.7	154.7
47.5°	123.1	123.1	123.1	123.3	123.1	123.1	123.1	121.2	120.6	119.6	118.2
50°	93.6	93.8	94.0	94.4	94.0	93.8	93.6	93.0	92.7	92.2	91.9
52.5°	71.9	72.1	71.6	72.1	71.6	72.1	71.9	72.1	71.3	71.3	71.0
55°	54.4	54.1	54.4	54.7	54.4	54.1	54.4	54.4	54.1	54.1	54.1
57.5°	39.9	39.4	39.4	39.4	39.4	39.4	39.9	39.7	40.5	39.9	40.2
60°	29.8	30.0	30.0	30.3	30.0	30.0	29.8	30.3	30.3	30.6	30.6
62.5°	21.9	22.8	22.3	22.8	22.3	22.8	21.9	22.3	22.3	22.5	22.8
65°	14.2	14.2	14.2	14.5	14.2	14.2	14.2	14.5	14.7	14.5	15.3
67.5°	9.7	9.9	10.5	10.2	10.5	9.9	9.7	9.9	9.9	10.7	10.5
70°	7.8	7.0	7.0	7.8	7.0	7.0	7.8	7.2	7.0	7.5	7.2
72.5°	4.6	4.0	4.6	4.6	4.6	4.0	4.6	4.0	4.3	4.3	4.8
75°	2.4	2.1	1.9	2.7	1.9	2.1	2.4	2.4	2.4	2.4	2.7
77.5°	1.6	1.3	1.9	1.9	1.9	1.3	1.6	1.3	1.6	1.3	1.6
80°	0.8	1.1	0.8	1.3	0.8	1.1	0.8	1.3	0.8	1.1	1.1
82.5°	0.2	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.6	0.6	0.2
85°	0.0	0.6	0.2	0.2	0.2	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.0	0.0	0.2	0.0	0.0	0.2	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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	554.6	553.8	554.1	552.5	552.5	551.9	552.3	550.9	550.4	549.8	550.6
5°	562.6	561.4	560.2	557.9	556.5	554.8	554.1	551.9	550.0	548.4	548.2
7.5°	569.1	566.1	564.3	561.0	558.7	556.8	554.1	551.1	548.8	546.5	544.9
10°	571.7	568.8	565.9	561.8	559.1	555.6	553.1	549.2	546.1	543.2	541.2
12.5°	572.1	568.2	565.6	561.0	557.6	553.8	550.9	546.5	542.8	539.9	537.0
15°	569.6	566.1	562.9	558.1	554.6	551.1	547.6	543.2	539.7	536.2	534.0
17.5°	564.3	561.0	557.3	552.7	549.6	546.3	542.6	538.8	534.8	531.0	528.3
20°	557.3	553.8	550.6	546.1	543.4	539.9	536.4	532.4	529.2	525.4	522.4
22.5°	546.9	543.6	540.7	538.0	533.7	531.0	528.6	524.0	520.9	517.4	514.1
25°	531.8	528.6	526.2	523.0	521.1	518.2	515.7	511.8	508.8	505.6	502.9
27.5°	507.2	505.4	504.0	502.1	500.5	499.2	497.8	494.6	492.4	489.5	486.8
30°	470.1	469.9	469.1	468.3	469.4	469.4	469.4	468.9	467.0	464.8	462.9
32.5°	422.8	423.2	424.4	425.1	427.3	429.8	431.9	432.9	432.9	431.6	430.8
35°	366.2	367.0	368.6	370.7	373.4	376.3	381.2	382.3	383.1	383.1	381.9
37.5°	307.5	307.2	308.8	310.7	312.3	314.4	317.9	318.7	320.1	319.5	318.5
40°	250.3	249.1	248.5	249.1	250.9	250.1	250.9	250.3	250.3	248.5	248.5
42.5°	197.5	196.0	194.8	194.1	194.1	192.2	190.9	189.6	188.8	187.4	187.1
45°	152.2	150.4	149.1	148.5	147.7	145.2	143.7	142.1	140.2	139.6	140.0
47.5°	118.2	116.3	115.8	114.4	113.1	111.8	110.7	108.8	108.6	107.4	108.6
50°	91.1	90.6	89.8	89.2	88.4	87.4	86.3	85.3	84.7	84.7	84.9
52.5°	70.8	71.0	70.2	69.4	68.9	68.9	67.5	67.3	67.3	66.3	67.3
55°	54.1	53.9	54.1	53.7	53.7	52.8	52.8	52.0	52.0	51.2	51.8
57.5°	39.7	40.2	39.7	39.9	40.5	39.7	39.4	38.6	39.2	38.6	38.9
60°	30.8	30.8	30.8	30.6	30.6	30.3	30.3	30.0	30.0	29.5	30.0
62.5°	22.8	23.1	23.1	23.1	23.3	23.1	22.8	23.1	22.8	22.8	23.1
65°	15.0	15.3	15.3	15.0	15.5	15.0	15.3	15.5	15.9	15.5	15.9
67.5°	10.2	10.2	10.5	10.7	10.5	10.7	11.0	10.7	11.0	11.5	11.0
70°	7.5	7.8	7.8	7.5	7.2	7.5	7.2	8.0	8.0	8.0	8.5
72.5°	4.8	4.8	4.6	4.6	4.6	4.6	4.6	5.4	4.8	4.6	5.1
75°	2.7	2.9	2.9	2.1	2.4	2.9	2.1	2.4	3.3	2.7	3.3
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.1	1.9	1.9	1.9	2.1
80°	1.3	1.1	1.1	0.8	1.1	1.1	1.1	1.6	1.3	1.3	1.6
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	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



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	548.4	548.4	548.2	547.6	546.5	546.5	546.3	545.5	544.9	544.7	544.7
5°	545.7	544.7	543.6	540.7	540.7	540.1	538.5	537.4	537.0	535.6	535.1
7.5°	543.4	540.1	538.3	536.4	534.0	532.9	531.0	530.2	528.3	527.1	526.2
10°	537.4	535.3	532.9	530.0	528.1	525.9	523.8	522.2	519.8	518.4	517.4
12.5°	533.5	530.2	528.1	524.8	521.7	519.8	516.8	514.9	512.6	509.8	508.3
15°	529.6	526.2	523.2	519.8	516.3	514.1	510.6	508.5	505.0	502.3	500.5
17.5°	524.0	521.1	517.9	513.6	510.4	507.7	504.0	501.3	498.0	494.6	492.8
20°	518.2	514.7	511.4	507.2	504.0	500.7	497.0	494.1	490.3	487.1	485.0
22.5°	510.4	506.4	503.7	499.4	495.7	492.2	488.7	485.2	481.7	479.0	476.7
25°	499.2	494.9	491.8	488.4	485.0	482.3	478.0	475.9	472.4	469.9	467.6
27.5°	483.1	479.8	477.1	473.6	470.7	468.6	465.4	463.2	460.2	458.1	456.3
30°	459.4	456.8	454.4	450.9	448.8	446.8	443.9	442.0	439.9	437.5	437.0
32.5°	427.8	425.7	423.2	420.9	419.3	418.2	415.8	414.7	412.5	411.2	409.8
35°	380.1	378.2	376.9	375.9	375.3	375.5	375.1	376.1	376.7	376.3	376.7
37.5°	317.7	316.6	317.1	317.9	320.6	324.1	327.3	332.1	335.4	338.6	341.6
40°	248.0	248.7	250.9	255.7	262.7	270.4	277.8	286.9	296.0	302.4	308.2
42.5°	187.1	189.6	194.8	201.8	212.3	223.9	235.1	248.5	259.5	270.2	277.8
45°	140.7	144.0	151.0	160.5	172.1	185.5	199.7	214.8	227.8	238.8	247.2
47.5°	109.7	112.6	119.6	129.7	144.0	157.8	172.7	188.2	201.8	212.6	219.8
50°	86.6	90.3	96.5	107.2	121.4	136.1	151.4	166.7	179.7	188.8	195.2
52.5°	68.1	71.6	77.5	88.8	103.2	117.9	132.2	147.2	158.4	167.3	171.6
55°	52.8	56.0	62.2	71.6	85.3	99.7	114.0	126.8	137.2	143.7	147.7
57.5°	40.2	42.6	46.9	56.2	68.6	82.0	94.0	107.0	115.0	119.6	122.3
60°	30.6	32.4	37.0	44.2	55.5	67.0	77.2	86.9	93.3	97.1	99.7
62.5°	23.1	25.2	28.5	34.5	43.2	52.5	61.1	68.4	73.7	76.2	78.0
65°	15.9	17.4	19.8	24.6	32.0	38.6	45.3	50.6	54.1	56.8	57.9
67.5°	11.8	12.8	14.2	18.0	23.1	28.5	33.0	36.7	40.5	41.5	43.4
70°	8.9	9.7	11.0	13.7	16.7	20.4	24.1	26.3	28.9	30.8	31.4
72.5°	5.6	5.9	7.2	8.9	11.2	13.7	16.1	18.0	19.6	20.7	21.2
75°	3.3	4.8	4.8	6.4	8.0	9.1	10.7	12.0	12.8	13.7	13.7
77.5°	2.1	2.9	3.3	4.0	4.8	6.2	7.5	8.3	9.1	9.3	9.3
80°	1.9	2.1	2.1	2.9	3.5	4.6	5.4	5.6	6.2	6.4	7.0
82.5°	0.8	1.1	1.3	2.1	2.4	2.4	3.3	3.5	4.0	4.3	4.3
85°	0.2	0.6	0.6	0.8	1.3	1.6	1.9	2.1	2.4	2.4	2.7
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.1	1.1	1.1	1.6	1.6
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: P245947

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	544.2	544.4	543.4	543.2	542.6	542.8	543.4
5°	534.3	534.5	533.5	532.4	532.4	532.1	532.4
7.5°	524.8	525.2	523.6	523.0	521.9	522.2	522.2
10°	515.5	515.5	513.1	512.8	512.0	511.8	511.8
12.5°	506.4	505.6	503.7	502.6	503.2	501.5	501.5
15°	498.4	497.0	494.6	493.8	492.4	491.8	491.8
17.5°	490.0	488.9	486.8	485.2	483.6	483.3	483.6
20°	482.0	480.9	478.2	477.1	475.9	475.9	475.3
22.5°	474.0	472.8	470.5	469.7	467.8	467.8	468.0
25°	465.6	464.8	462.2	461.6	461.4	460.2	460.8
27.5°	454.4	453.8	451.7	450.9	449.8	449.6	450.1
30°	433.7	432.9	431.3	430.5	428.6	428.8	429.4
32.5°	408.0	406.9	404.8	404.0	402.4	401.8	402.1
35°	375.9	375.1	373.2	373.2	371.6	371.0	371.6
37.5°	343.1	343.9	343.1	343.9	343.1	342.9	343.1
40°	312.3	315.2	315.8	318.7	317.7	319.3	319.0
42.5°	282.8	287.7	289.5	291.9	291.4	292.5	293.3
45°	253.0	257.1	259.0	260.6	260.8	261.3	261.7
47.5°	224.9	228.2	228.4	230.3	230.0	230.0	230.8
50°	198.7	200.8	201.3	202.6	201.6	201.0	201.3
52.5°	174.3	176.4	175.8	176.4	175.0	174.5	174.8
55°	149.3	150.4	150.4	150.4	148.7	148.7	148.7
57.5°	123.9	124.1	123.5	123.9	123.5	122.0	121.7
60°	100.6	100.6	100.2	100.6	99.7	98.9	98.9
62.5°	78.5	79.1	80.1	79.1	78.5	79.1	78.3
65°	58.7	59.7	59.5	60.1	59.7	59.7	59.3
67.5°	44.2	44.6	44.8	45.0	45.0	45.0	45.0
70°	32.4	33.3	33.0	33.0	33.0	33.0	34.5
72.5°	21.7	22.8	22.5	23.1	23.1	23.6	23.1
75°	14.7	15.9	15.3	16.1	15.9	15.3	16.7
77.5°	9.9	10.5	10.7	11.0	10.7	10.5	10.7
80°	7.0	7.5	7.2	7.5	7.5	7.5	7.8
82.5°	4.3	5.1	4.8	5.1	4.8	5.1	5.1
85°	2.9	3.3	2.7	3.3	2.9	2.9	3.5
87.5°	1.9	1.6	1.6	1.9	1.6	1.9	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)