

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: P244992

Luminaire Tested: **LSR8B10D010 EC8B10935 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244992  
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: LSR8B10D010 EC8B10935 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 964.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

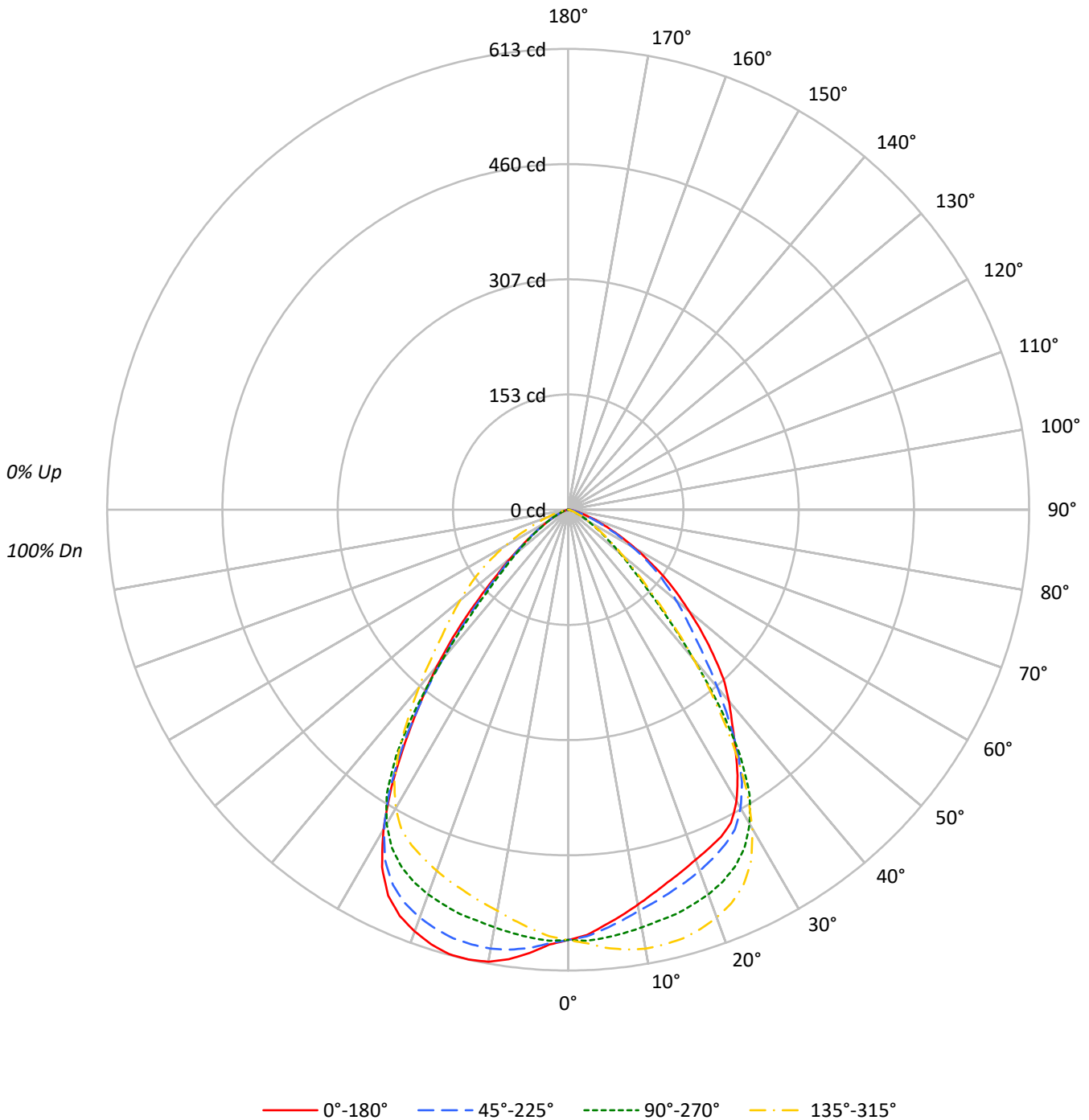
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	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°	17648	17648	17648	17648
5°	17180	17690	18322	17690
10°	16705	17666	19119	17666
15°	16371	17772	19538	17772
20°	16260	17871	19587	17871
25°	16345	17835	19271	17835
30°	15941	17184	17494	17184
35°	14580	14990	14222	14990
40°	13384	10426	10889	10426
45°	11892	6363	7361	6363
50°	10069	4250	4721	4250
55°	8338	2898	3064	2898
60°	6358	1930	1949	1930
65°	4509	1204	1102	1204
70°	3246	802	730	802
75°	2061	405	334	405
80°	1438	302	249	302
85°	1274	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.5	5.7
10°-20°	157.7	16.4
20°-30°	238.9	24.8
30°-40°	239.4	24.8
40°-50°	150.3	15.6
50°-60°	80.1	8.3
60°-70°	32.9	3.4
70°-80°	8.7	0.9
80°-90°	1.5	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°	451.1	46.8
0°-40°	690.5	71.6
0°-60°	920.9	95.5
0°-90°	964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	572	572	572	572	572	
5°	555	572	592	572	555	52
15°	513	557	612	557	513	145
25°	480	524	566	524	480	220
35°	387	398	378	398	387	243
45°	273	146	169	146	273	210
55°	155	54	57	54	155	138
65°	62	16	15	16	62	64
75°	17	3	3	3	17	20
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°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	566.4	565.9	565.6	566.2	566.4	567.5	567.3	567.8	567.8	568.1	568.7
5°	555.0	554.7	555.0	555.0	556.1	557.2	556.9	557.8	558.3	559.7	560.3
7.5°	544.4	544.4	544.1	545.2	545.7	547.4	547.1	548.5	549.4	550.8	552.7
10°	533.5	533.5	533.7	534.6	534.9	537.4	537.4	539.3	540.4	541.8	544.4
12.5°	522.8	522.8	524.5	524.0	525.1	527.0	527.9	529.8	531.5	534.3	536.8
15°	512.8	512.8	513.3	514.7	515.6	518.1	519.5	521.7	523.7	526.5	530.1
17.5°	504.1	503.8	504.1	505.8	507.5	509.7	510.8	513.6	515.6	519.2	522.6
20°	495.5	496.0	496.0	497.4	498.5	501.3	502.4	505.5	507.7	511.1	515.0
22.5°	487.9	487.6	487.6	489.6	490.4	492.9	494.0	496.8	499.4	502.2	505.8
25°	480.4	479.8	480.9	481.2	481.8	484.5	485.4	487.3	489.9	492.4	496.0
27.5°	469.2	468.6	468.9	470.0	470.9	473.1	473.7	475.6	477.6	479.8	482.9
30°	447.7	447.1	446.8	448.8	449.6	451.3	452.1	455.5	456.0	458.6	460.8
32.5°	419.2	418.9	419.4	421.1	422.0	424.2	425.3	427.3	428.7	430.1	432.3
35°	387.3	386.7	387.3	389.0	389.0	390.9	391.8	392.6	392.3	392.6	392.1
37.5°	357.7	357.4	357.7	358.5	357.7	358.5	357.7	356.0	352.9	349.6	346.2
40°	332.5	332.8	331.1	332.3	329.2	328.6	325.6	321.4	315.2	308.5	299.0
42.5°	305.7	304.9	303.8	304.3	301.8	299.8	294.8	289.5	281.7	270.5	259.0
45°	272.7	272.5	271.9	271.6	269.9	268.0	263.8	257.6	249.0	237.5	223.8
47.5°	240.6	239.8	239.8	240.0	238.1	237.8	234.4	229.1	221.6	210.4	196.2
50°	209.9	209.6	210.1	211.3	209.9	209.3	207.1	203.4	196.7	187.2	173.8
52.5°	182.2	181.9	182.5	183.9	183.3	183.9	181.6	178.8	174.4	165.1	153.4
55°	155.1	155.1	155.1	156.8	156.8	156.8	155.6	154.0	149.8	143.1	132.2
57.5°	126.9	127.1	128.8	129.1	128.8	129.4	129.1	127.4	124.6	119.9	111.5
60°	103.1	103.1	104.0	104.8	104.5	104.8	104.8	104.0	101.2	97.2	90.5
62.5°	81.6	82.4	81.9	82.4	83.6	82.4	81.9	81.3	79.4	76.8	71.3
65°	61.8	62.3	62.3	62.6	62.0	62.3	61.2	60.4	59.2	56.5	52.8
67.5°	47.0	47.0	47.0	47.0	46.7	46.4	46.1	45.3	43.3	42.2	38.3
70°	36.0	34.4	34.4	34.4	34.4	34.7	33.8	32.7	32.1	30.2	27.4
72.5°	24.0	24.6	24.0	24.0	23.5	23.8	22.6	22.1	21.5	20.4	18.7
75°	17.3	15.9	16.5	16.8	15.9	16.5	15.4	14.3	14.3	13.4	12.6
77.5°	11.2	10.9	11.2	11.5	11.2	10.9	10.3	9.8	9.8	9.5	8.7
80°	8.1	7.8	7.8	7.8	7.5	7.8	7.3	7.3	6.7	6.4	5.9
82.5°	5.3	5.3	5.0	5.3	5.0	5.3	4.5	4.5	4.5	4.2	3.6
85°	3.6	3.1	3.1	3.4	2.8	3.4	3.1	2.8	2.5	2.5	2.2
87.5°	1.7	2.0	1.7	2.0	1.7	1.7	2.0	1.7	1.7	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°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	569.5	569.8	569.8	570.9	571.5	571.7	571.7	574.0	573.1	573.7	574.3
5°	561.4	563.1	563.6	563.6	566.7	567.8	568.9	571.5	571.7	573.4	575.4
7.5°	553.6	555.5	556.7	559.2	561.1	563.1	566.4	568.1	569.8	572.0	574.5
10°	546.0	548.3	550.5	552.5	555.5	558.0	560.3	564.2	566.2	569.2	572.6
12.5°	538.8	541.8	543.8	547.1	550.5	552.7	556.1	559.7	562.8	565.9	569.8
15°	532.3	536.0	538.2	541.8	545.5	548.5	552.2	556.7	558.9	562.5	566.2
17.5°	525.3	529.3	532.1	535.4	539.9	543.2	546.3	550.8	553.6	557.5	561.7
20°	518.1	522.0	525.3	528.7	533.2	536.5	540.2	544.6	547.7	551.6	555.0
22.5°	509.4	513.1	516.7	520.6	525.1	527.9	532.1	536.0	539.3	543.0	546.3
25°	498.2	502.7	505.5	509.1	512.8	515.8	520.3	524.2	527.0	530.4	533.5
27.5°	485.1	488.5	490.7	493.8	497.4	500.2	503.5	507.5	510.3	513.3	515.6
30°	462.8	465.8	467.8	470.0	473.7	476.2	479.0	482.6	484.5	486.8	488.7
32.5°	433.4	435.9	437.0	438.7	441.2	443.7	446.0	449.1	449.9	451.3	451.3
35°	390.9	391.5	391.2	391.8	392.9	394.3	396.2	398.2	399.3	399.3	398.5
37.5°	341.2	337.8	334.2	331.4	330.6	330.0	331.1	332.0	333.1	333.7	332.3
40°	289.5	282.0	273.9	266.6	261.6	259.3	258.5	259.0	259.0	261.0	261.0
42.5°	245.1	233.3	221.3	210.4	203.1	197.6	195.1	195.1	195.3	196.7	197.6
45°	208.2	193.4	179.4	167.4	157.3	150.1	146.7	145.9	145.6	146.1	148.1
47.5°	180.0	164.6	150.1	135.3	124.6	117.4	114.3	113.2	112.1	113.2	113.5
50°	157.9	142.0	126.6	111.8	100.6	94.2	90.3	88.6	88.3	88.3	88.9
52.5°	137.8	123.0	107.6	92.5	80.8	74.6	71.0	70.1	69.0	70.1	70.1
55°	118.8	104.0	88.9	74.6	64.8	58.4	55.0	53.9	53.4	54.2	54.2
57.5°	98.1	85.5	71.5	58.7	48.9	44.4	41.9	40.5	40.2	40.8	40.2
60°	80.5	69.9	57.8	46.1	38.6	33.8	31.9	31.3	30.7	31.3	31.3
62.5°	63.7	54.8	45.0	36.0	29.6	26.3	24.0	24.0	23.8	23.8	24.0
65°	47.2	40.2	33.3	25.7	20.7	18.2	16.5	16.5	16.2	16.5	16.2
67.5°	34.4	29.6	24.0	18.7	14.8	13.4	12.3	11.5	12.0	11.5	11.2
70°	25.2	21.2	17.3	14.3	11.5	10.1	9.2	8.9	8.4	8.4	8.4
72.5°	16.8	14.3	11.7	9.2	7.5	6.1	5.9	5.3	4.8	5.0	5.6
75°	11.2	9.5	8.4	6.7	5.0	5.0	3.4	3.4	2.8	3.4	2.5
77.5°	7.8	6.4	5.0	4.2	3.4	3.1	2.2	2.2	2.0	2.0	2.0
80°	5.6	4.8	3.6	3.1	2.2	2.2	2.0	1.7	1.4	1.4	1.7
82.5°	3.4	2.5	2.5	2.2	1.4	1.1	0.8	1.1	0.6	0.6	0.6
85°	2.0	1.7	1.4	0.8	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.1	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



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	575.7	575.4	575.9	575.9	577.6	577.3	578.2	578.2	577.6	577.9	579.0
5°	577.6	578.4	580.1	581.5	584.0	585.2	586.5	588.0	588.2	589.1	589.9
7.5°	577.6	580.4	582.4	584.9	588.2	590.2	593.3	595.8	596.9	598.3	600.0
10°	576.5	579.3	582.9	585.7	589.9	593.0	596.0	600.0	601.6	603.9	606.1
12.5°	574.3	577.3	581.2	584.9	589.6	592.4	596.3	600.0	602.5	605.5	608.1
15°	570.9	574.5	578.2	581.8	586.8	590.2	593.8	598.0	600.5	603.9	606.1
17.5°	565.6	569.5	572.9	576.2	581.0	584.9	588.2	592.1	594.7	597.5	600.5
20°	559.2	562.8	566.4	569.2	574.0	577.3	581.0	584.6	586.5	587.1	591.9
22.5°	551.1	553.6	556.4	560.8	563.6	566.7	570.1	573.4	575.4	578.4	580.1
25°	537.6	540.2	543.2	545.2	548.5	551.1	554.4	558.0	559.2	561.4	563.1
27.5°	518.9	520.3	521.7	523.4	525.3	526.7	528.7	530.4	531.5	532.6	533.7
30°	489.3	489.3	489.3	488.2	489.0	489.9	490.1	489.9	489.9	489.6	489.6
32.5°	450.2	447.9	445.4	443.2	442.4	441.2	440.7	439.8	438.4	437.6	437.9
35°	397.4	392.3	389.3	386.5	384.2	382.6	381.7	380.9	380.6	379.5	378.4
37.5°	331.4	327.8	325.6	323.9	321.9	320.2	320.5	320.8	321.6	321.1	321.4
40°	261.6	260.7	261.6	259.6	259.0	259.6	261.0	263.0	264.1	265.2	267.1
42.5°	199.0	200.4	202.3	202.3	203.1	204.3	205.9	209.0	210.7	212.7	214.9
45°	149.8	151.5	154.0	154.8	155.4	156.8	158.7	161.2	162.4	164.0	166.0
47.5°	115.4	116.5	117.9	119.3	120.7	121.3	123.2	123.2	124.6	125.8	126.3
50°	90.0	91.1	92.2	93.1	93.6	94.5	95.0	95.8	96.1	96.7	97.0
52.5°	70.4	71.8	71.8	72.4	73.2	74.1	73.8	74.1	74.3	74.3	75.2
55°	55.0	55.0	55.9	55.9	56.5	56.2	56.5	56.5	56.5	56.5	56.7
57.5°	41.1	41.4	42.2	41.6	41.4	41.9	41.4	41.9	41.6	42.2	41.4
60°	31.6	31.6	31.9	31.9	32.1	32.1	32.1	31.9	31.9	31.6	31.6
62.5°	23.8	24.0	24.3	24.0	24.0	24.0	23.8	23.8	23.5	23.2	23.2
65°	15.9	15.7	16.2	15.7	15.9	15.9	15.7	15.9	15.1	15.4	15.1
67.5°	11.5	11.2	10.9	11.2	10.9	10.6	10.6	10.9	11.2	10.3	10.3
70°	7.5	7.8	7.5	7.8	8.1	8.1	7.8	7.5	7.8	7.3	7.5
72.5°	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.5	4.5	4.2
75°	2.2	3.1	2.5	2.2	3.1	3.1	2.8	2.8	2.5	2.5	2.5
77.5°	2.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4	1.7	1.4
80°	1.1	1.1	1.1	0.8	1.1	1.1	1.4	1.1	1.1	0.8	1.4
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





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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	578.7	578.4	578.7	579.0	578.7	578.4	578.7	579.0	577.9	577.6	578.2
5°	591.0	591.0	591.6	591.9	591.6	591.0	591.0	589.9	589.1	588.2	588.0
7.5°	601.6	602.2	602.8	603.0	602.8	602.2	601.6	600.0	598.3	596.9	595.8
10°	608.1	608.9	610.0	610.6	610.0	608.9	608.1	606.1	603.9	601.6	600.0
12.5°	610.9	611.7	613.1	612.8	613.1	611.7	610.9	608.1	605.5	602.5	600.0
15°	608.9	610.0	611.4	612.0	611.4	610.0	608.9	606.1	603.9	600.5	598.0
17.5°	602.8	604.4	605.3	606.1	605.3	604.4	602.8	600.5	597.5	594.7	592.1
20°	594.4	595.5	596.6	596.9	596.6	595.5	594.4	591.9	587.1	586.5	584.6
22.5°	582.4	583.2	585.7	584.9	585.7	583.2	582.4	580.1	578.4	575.4	573.4
25°	565.0	565.9	566.2	566.4	566.2	565.9	565.0	563.1	561.4	559.2	558.0
27.5°	535.1	535.1	535.7	536.0	535.7	535.1	535.1	533.7	532.6	531.5	530.4
30°	489.9	489.9	489.9	491.3	489.9	489.9	489.9	489.6	489.6	489.9	489.9
32.5°	437.6	437.0	436.5	437.0	436.5	437.0	437.6	437.9	437.6	438.4	439.8
35°	378.4	378.1	378.9	377.8	378.9	378.1	378.4	378.4	379.5	380.6	380.9
37.5°	321.6	321.1	322.2	321.1	322.2	321.1	321.6	321.4	321.1	321.6	320.8
40°	267.7	268.3	268.3	270.5	268.3	268.3	267.7	267.1	265.2	264.1	263.0
42.5°	216.0	217.7	217.1	218.8	217.1	217.7	216.0	214.9	212.7	210.7	209.0
45°	167.1	168.2	168.2	168.8	168.2	168.2	167.1	166.0	164.0	162.4	161.2
47.5°	128.3	128.3	128.3	128.5	128.3	128.3	128.3	126.3	125.8	124.6	123.2
50°	97.5	97.8	98.1	98.4	98.1	97.8	97.5	97.0	96.7	96.1	95.8
52.5°	74.9	75.2	74.6	75.2	74.6	75.2	74.9	75.2	74.3	74.3	74.1
55°	56.7	56.5	56.7	57.0	56.7	56.5	56.7	56.7	56.5	56.5	56.5
57.5°	41.6	41.1	41.1	41.1	41.1	41.1	41.6	41.4	42.2	41.6	41.9
60°	31.0	31.3	31.3	31.6	31.3	31.3	31.0	31.6	31.6	31.9	31.9
62.5°	22.9	23.8	23.2	23.8	23.2	23.8	22.9	23.2	23.2	23.5	23.8
65°	14.8	14.8	14.8	15.1	14.8	14.8	14.8	15.1	15.4	15.1	15.9
67.5°	10.1	10.3	10.9	10.6	10.9	10.3	10.1	10.3	10.3	11.2	10.9
70°	8.1	7.3	7.3	8.1	7.3	7.3	8.1	7.5	7.3	7.8	7.5
72.5°	4.8	4.2	4.8	4.8	4.8	4.2	4.8	4.2	4.5	4.5	5.0
75°	2.5	2.2	2.0	2.8	2.0	2.2	2.5	2.5	2.5	2.5	2.8
77.5°	1.7	1.4	2.0	2.0	2.0	1.4	1.7	1.4	1.7	1.4	1.7
80°	0.8	1.1	0.8	1.4	0.8	1.1	0.8	1.4	0.8	1.1	1.1
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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	578.2	577.3	577.6	575.9	575.9	575.4	575.7	574.3	573.7	573.1	574.0
5°	586.5	585.2	584.0	581.5	580.1	578.4	577.6	575.4	573.4	571.7	571.5
7.5°	593.3	590.2	588.2	584.9	582.4	580.4	577.6	574.5	572.0	569.8	568.1
10°	596.0	593.0	589.9	585.7	582.9	579.3	576.5	572.6	569.2	566.2	564.2
12.5°	596.3	592.4	589.6	584.9	581.2	577.3	574.3	569.8	565.9	562.8	559.7
15°	593.8	590.2	586.8	581.8	578.2	574.5	570.9	566.2	562.5	558.9	556.7
17.5°	588.2	584.9	581.0	576.2	572.9	569.5	565.6	561.7	557.5	553.6	550.8
20°	581.0	577.3	574.0	569.2	566.4	562.8	559.2	555.0	551.6	547.7	544.6
22.5°	570.1	566.7	563.6	560.8	556.4	553.6	551.1	546.3	543.0	539.3	536.0
25°	554.4	551.1	548.5	545.2	543.2	540.2	537.6	533.5	530.4	527.0	524.2
27.5°	528.7	526.7	525.3	523.4	521.7	520.3	518.9	515.6	513.3	510.3	507.5
30°	490.1	489.9	489.0	488.2	489.3	489.3	489.3	488.7	486.8	484.5	482.6
32.5°	440.7	441.2	442.4	443.2	445.4	447.9	450.2	451.3	451.3	449.9	449.1
35°	381.7	382.6	384.2	386.5	389.3	392.3	397.4	398.5	399.3	399.3	398.2
37.5°	320.5	320.2	321.9	323.9	325.6	327.8	331.4	332.3	333.7	333.1	332.0
40°	261.0	259.6	259.0	259.6	261.6	260.7	261.6	261.0	261.0	259.0	259.0
42.5°	205.9	204.3	203.1	202.3	202.3	200.4	199.0	197.6	196.7	195.3	195.1
45°	158.7	156.8	155.4	154.8	154.0	151.5	149.8	148.1	146.1	145.6	145.9
47.5°	123.2	121.3	120.7	119.3	117.9	116.5	115.4	113.5	113.2	112.1	113.2
50°	95.0	94.5	93.6	93.1	92.2	91.1	90.0	88.9	88.3	88.3	88.6
52.5°	73.8	74.1	73.2	72.4	71.8	71.8	70.4	70.1	70.1	69.0	70.1
55°	56.5	56.2	56.5	55.9	55.9	55.0	55.0	54.2	54.2	53.4	53.9
57.5°	41.4	41.9	41.4	41.6	42.2	41.4	41.1	40.2	40.8	40.2	40.5
60°	32.1	32.1	32.1	31.9	31.9	31.6	31.6	31.3	31.3	30.7	31.3
62.5°	23.8	24.0	24.0	24.0	24.3	24.0	23.8	24.0	23.8	23.8	24.0
65°	15.7	15.9	15.9	15.7	16.2	15.7	15.9	16.2	16.5	16.2	16.5
67.5°	10.6	10.6	10.9	11.2	10.9	11.2	11.5	11.2	11.5	12.0	11.5
70°	7.8	8.1	8.1	7.8	7.5	7.8	7.5	8.4	8.4	8.4	8.9
72.5°	5.0	5.0	4.8	4.8	4.8	4.8	4.8	5.6	5.0	4.8	5.3
75°	2.8	3.1	3.1	2.2	2.5	3.1	2.2	2.5	3.4	2.8	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.0	2.0	2.0	2.2
80°	1.4	1.1	1.1	0.8	1.1	1.1	1.1	1.7	1.4	1.4	1.7
82.5°	0.6	0.6	0.3	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	0.3	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



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	571.7	571.7	571.5	570.9	569.8	569.8	569.5	568.7	568.1	567.8	567.8
5°	568.9	567.8	566.7	563.6	563.6	563.1	561.4	560.3	559.7	558.3	557.8
7.5°	566.4	563.1	561.1	559.2	556.7	555.5	553.6	552.7	550.8	549.4	548.5
10°	560.3	558.0	555.5	552.5	550.5	548.3	546.0	544.4	541.8	540.4	539.3
12.5°	556.1	552.7	550.5	547.1	543.8	541.8	538.8	536.8	534.3	531.5	529.8
15°	552.2	548.5	545.5	541.8	538.2	536.0	532.3	530.1	526.5	523.7	521.7
17.5°	546.3	543.2	539.9	535.4	532.1	529.3	525.3	522.6	519.2	515.6	513.6
20°	540.2	536.5	533.2	528.7	525.3	522.0	518.1	515.0	511.1	507.7	505.5
22.5°	532.1	527.9	525.1	520.6	516.7	513.1	509.4	505.8	502.2	499.4	496.8
25°	520.3	515.8	512.8	509.1	505.5	502.7	498.2	496.0	492.4	489.9	487.3
27.5°	503.5	500.2	497.4	493.8	490.7	488.5	485.1	482.9	479.8	477.6	475.6
30°	479.0	476.2	473.7	470.0	467.8	465.8	462.8	460.8	458.6	456.0	455.5
32.5°	446.0	443.7	441.2	438.7	437.0	435.9	433.4	432.3	430.1	428.7	427.3
35°	396.2	394.3	392.9	391.8	391.2	391.5	390.9	392.1	392.6	392.3	392.6
37.5°	331.1	330.0	330.6	331.4	334.2	337.8	341.2	346.2	349.6	352.9	356.0
40°	258.5	259.3	261.6	266.6	273.9	282.0	289.5	299.0	308.5	315.2	321.4
42.5°	195.1	197.6	203.1	210.4	221.3	233.3	245.1	259.0	270.5	281.7	289.5
45°	146.7	150.1	157.3	167.4	179.4	193.4	208.2	223.8	237.5	249.0	257.6
47.5°	114.3	117.4	124.6	135.3	150.1	164.6	180.0	196.2	210.4	221.6	229.1
50°	90.3	94.2	100.6	111.8	126.6	142.0	157.9	173.8	187.2	196.7	203.4
52.5°	71.0	74.6	80.8	92.5	107.6	123.0	137.8	153.4	165.1	174.4	178.8
55°	55.0	58.4	64.8	74.6	88.9	104.0	118.8	132.2	143.1	149.8	154.0
57.5°	41.9	44.4	48.9	58.7	71.5	85.5	98.1	111.5	119.9	124.6	127.4
60°	31.9	33.8	38.6	46.1	57.8	69.9	80.5	90.5	97.2	101.2	104.0
62.5°	24.0	26.3	29.6	36.0	45.0	54.8	63.7	71.3	76.8	79.4	81.3
65°	16.5	18.2	20.7	25.7	33.3	40.2	47.2	52.8	56.5	59.2	60.4
67.5°	12.3	13.4	14.8	18.7	24.0	29.6	34.4	38.3	42.2	43.3	45.3
70°	9.2	10.1	11.5	14.3	17.3	21.2	25.2	27.4	30.2	32.1	32.7
72.5°	5.9	6.1	7.5	9.2	11.7	14.3	16.8	18.7	20.4	21.5	22.1
75°	3.4	5.0	5.0	6.7	8.4	9.5	11.2	12.6	13.4	14.3	14.3
77.5°	2.2	3.1	3.4	4.2	5.0	6.4	7.8	8.7	9.5	9.8	9.8
80°	2.0	2.2	2.2	3.1	3.6	4.8	5.6	5.9	6.4	6.7	7.3
82.5°	0.8	1.1	1.4	2.2	2.5	2.5	3.4	3.6	4.2	4.5	4.5
85°	0.3	0.6	0.6	0.8	1.4	1.7	2.0	2.2	2.5	2.5	2.8
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.1	1.1	1.1	1.7	1.7
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: P244992

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	567.3	567.5	566.4	566.2	565.6	565.9	566.4
5°	556.9	557.2	556.1	555.0	555.0	554.7	555.0
7.5°	547.1	547.4	545.7	545.2	544.1	544.4	544.4
10°	537.4	537.4	534.9	534.6	533.7	533.5	533.5
12.5°	527.9	527.0	525.1	524.0	524.5	522.8	522.8
15°	519.5	518.1	515.6	514.7	513.3	512.8	512.8
17.5°	510.8	509.7	507.5	505.8	504.1	503.8	504.1
20°	502.4	501.3	498.5	497.4	496.0	496.0	495.5
22.5°	494.0	492.9	490.4	489.6	487.6	487.6	487.9
25°	485.4	484.5	481.8	481.2	480.9	479.8	480.4
27.5°	473.7	473.1	470.9	470.0	468.9	468.6	469.2
30°	452.1	451.3	449.6	448.8	446.8	447.1	447.7
32.5°	425.3	424.2	422.0	421.1	419.4	418.9	419.2
35°	391.8	390.9	389.0	389.0	387.3	386.7	387.3
37.5°	357.7	358.5	357.7	358.5	357.7	357.4	357.7
40°	325.6	328.6	329.2	332.3	331.1	332.8	332.5
42.5°	294.8	299.8	301.8	304.3	303.8	304.9	305.7
45°	263.8	268.0	269.9	271.6	271.9	272.5	272.7
47.5°	234.4	237.8	238.1	240.0	239.8	239.8	240.6
50°	207.1	209.3	209.9	211.3	210.1	209.6	209.9
52.5°	181.6	183.9	183.3	183.9	182.5	181.9	182.2
55°	155.6	156.8	156.8	156.8	155.1	155.1	155.1
57.5°	129.1	129.4	128.8	129.1	128.8	127.1	126.9
60°	104.8	104.8	104.5	104.8	104.0	103.1	103.1
62.5°	81.9	82.4	83.6	82.4	81.9	82.4	81.6
65°	61.2	62.3	62.0	62.6	62.3	62.3	61.8
67.5°	46.1	46.4	46.7	47.0	47.0	47.0	47.0
70°	33.8	34.7	34.4	34.4	34.4	34.4	36.0
72.5°	22.6	23.8	23.5	24.0	24.0	24.6	24.0
75°	15.4	16.5	15.9	16.8	16.5	15.9	17.3
77.5°	10.3	10.9	11.2	11.5	11.2	10.9	11.2
80°	7.3	7.8	7.5	7.8	7.8	7.8	8.1
82.5°	4.5	5.3	5.0	5.3	5.0	5.3	5.3
85°	3.1	3.4	2.8	3.4	3.1	3.1	3.6
87.5°	2.0	1.7	1.7	2.0	1.7	2.0	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)