

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: P245868

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245868
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 EC8B10950 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 95.4 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

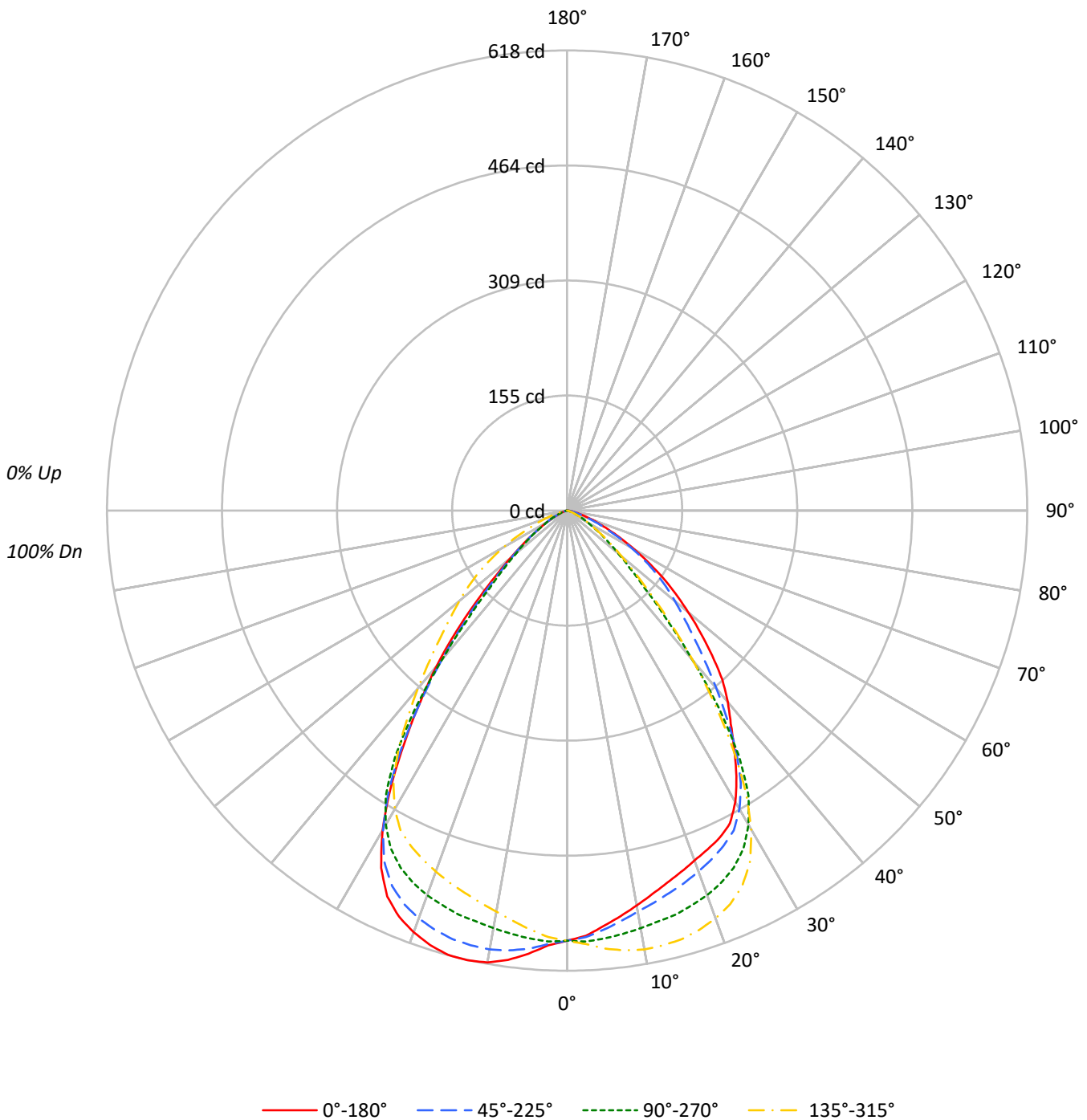
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17811	17811	17811	17811
5°	17340	17854	18492	17854
10°	16858	17832	19298	17832
15°	16524	17938	19720	17938
20°	16411	18039	19771	18039
25°	16495	18002	19452	18002
30°	16087	17344	17657	17344
35°	14715	15129	14354	15129
40°	13509	10526	10989	10526
45°	12006	6419	7431	6419
50°	10161	4289	4764	4289
55°	8414	2925	3091	2925
60°	6420	1949	1967	1949
65°	4546	1211	1109	1211
70°	3282	811	739	811
75°	2085	405	334	405
80°	1456	302	249	302
85°	1309	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	5.7
10°-20°	159.2	16.4
20°-30°	241.1	24.8
30°-40°	241.6	24.8
40°-50°	151.7	15.6
50°-60°	80.9	8.3
60°-70°	33.3	3.4
70°-80°	8.8	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°	455.3	46.8
0°-40°	696.9	71.6
0°-60°	929.5	95.5
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	578	578	578	578	578	
5°	560	577	597	577	560	53
15°	518	562	618	562	518	146
25°	485	529	572	529	485	222
35°	391	402	381	402	391	245
45°	275	147	170	147	275	212
55°	156	54	58	54	156	140
65°	62	17	15	17	62	65
75°	18	3	3	3	18	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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	571.7	571.1	570.9	571.4	571.7	572.8	572.6	573.1	573.1	573.4	574.0
5°	560.2	559.9	560.2	560.2	561.3	562.4	562.1	563.0	563.5	565.0	565.5
7.5°	549.4	549.4	549.1	550.3	550.8	552.5	552.2	553.7	554.5	555.9	557.9
10°	538.4	538.4	538.7	539.6	539.9	542.4	542.4	544.4	545.5	546.9	549.4
12.5°	527.7	527.7	529.4	528.8	530.0	531.9	532.8	534.8	536.5	539.3	541.8
15°	517.6	517.6	518.1	519.5	520.4	522.9	524.3	526.6	528.6	531.4	535.1
17.5°	508.8	508.5	508.8	510.5	512.2	514.5	515.6	518.4	520.4	524.1	527.4
20°	500.1	500.6	500.6	502.1	503.2	506.0	507.1	510.2	512.5	515.9	519.8
22.5°	492.5	492.2	492.2	494.2	495.0	497.5	498.7	501.5	504.0	506.8	510.5
25°	484.8	484.3	485.4	485.7	486.2	489.1	489.9	491.9	494.4	497.0	500.6
27.5°	473.6	473.0	473.3	474.4	475.3	477.5	478.1	480.1	482.0	484.3	487.4
30°	451.8	451.3	451.0	453.0	453.8	455.5	456.4	459.7	460.3	462.8	465.1
32.5°	423.1	422.8	423.4	425.0	425.9	428.2	429.3	431.3	432.7	434.1	436.3
35°	390.9	390.4	390.9	392.6	392.6	394.6	395.4	396.3	396.0	396.3	395.7
37.5°	361.0	360.7	361.0	361.9	361.0	361.9	361.0	359.3	356.2	352.8	349.5
40°	335.6	335.9	334.2	335.4	332.3	331.7	328.6	324.4	318.2	311.4	301.8
42.5°	308.6	307.7	306.6	307.2	304.6	302.6	297.6	292.2	284.3	273.0	261.5
45°	275.3	275.0	274.4	274.2	272.5	270.5	266.3	260.1	251.3	239.7	225.9
47.5°	242.8	242.0	242.0	242.3	240.3	240.0	236.6	231.3	223.7	212.4	198.0
50°	211.8	211.5	212.1	213.2	211.8	211.3	209.0	205.3	198.6	189.0	175.4
52.5°	183.9	183.6	184.2	185.6	185.0	185.6	183.3	180.5	176.0	166.7	154.8
55°	156.5	156.5	156.5	158.2	158.2	158.2	157.1	155.4	151.2	144.4	133.4
57.5°	128.1	128.3	130.0	130.3	130.0	130.6	130.3	128.6	125.8	121.0	112.5
60°	104.1	104.1	104.9	105.8	105.5	105.8	105.8	104.9	102.1	98.2	91.4
62.5°	82.4	83.2	82.6	83.2	84.3	83.2	82.6	82.1	80.1	77.6	71.9
65°	62.3	62.9	62.9	63.2	62.6	62.9	61.8	60.9	59.8	57.0	53.3
67.5°	47.4	47.4	47.4	47.4	47.1	46.8	46.5	45.7	43.7	42.6	38.6
70°	36.4	34.7	34.7	34.7	34.7	35.0	34.1	33.0	32.4	30.5	27.6
72.5°	24.3	24.8	24.3	24.3	23.7	24.0	22.8	22.3	21.7	20.6	18.9
75°	17.5	16.1	16.6	16.9	16.1	16.6	15.5	14.4	14.4	13.5	12.7
77.5°	11.3	11.0	11.3	11.6	11.3	11.0	10.4	9.9	9.9	9.6	8.7
80°	8.2	7.9	7.9	7.9	7.6	7.9	7.3	7.3	6.8	6.5	5.9
82.5°	5.4	5.4	5.1	5.4	5.1	5.4	4.5	4.5	4.5	4.2	3.7
85°	3.7	3.1	3.1	3.4	2.8	3.4	3.1	2.8	2.5	2.5	2.3
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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	574.8	575.1	575.1	576.2	576.8	577.1	577.1	579.3	578.5	579.1	579.6
5°	566.6	568.3	568.9	568.9	572.0	573.1	574.2	576.8	577.1	578.8	580.7
7.5°	558.7	560.7	561.9	564.4	566.4	568.3	571.7	573.4	575.1	577.4	579.9
10°	551.1	553.4	555.6	557.6	560.7	563.3	565.5	569.5	571.4	574.5	577.9
12.5°	543.8	546.9	548.9	552.2	555.6	557.9	561.3	565.0	568.0	571.1	575.1
15°	537.3	541.0	543.2	546.9	550.6	553.7	557.3	561.9	564.1	567.8	571.4
17.5°	530.2	534.2	537.0	540.4	544.9	548.3	551.4	555.9	558.7	562.7	566.9
20°	522.9	526.9	530.2	533.6	538.2	541.5	545.2	549.7	552.8	556.8	560.2
22.5°	514.2	517.9	521.5	525.5	530.0	532.8	537.0	541.0	544.4	548.0	551.4
25°	502.9	507.4	510.2	513.9	517.6	520.7	525.2	529.1	531.9	535.3	538.4
27.5°	489.6	493.0	495.3	498.4	502.1	504.9	508.2	512.2	515.0	518.1	520.4
30°	467.1	470.2	472.2	474.4	478.1	480.6	483.4	487.1	489.1	491.3	493.3
32.5°	437.5	440.0	441.1	442.8	445.4	447.9	450.2	453.3	454.1	455.5	455.5
35°	394.6	395.2	394.9	395.4	396.6	398.0	399.9	401.9	403.0	403.0	402.2
37.5°	344.4	341.0	337.3	334.5	333.7	333.1	334.2	335.1	336.2	336.8	335.4
40°	292.2	284.6	276.4	269.1	264.0	261.7	260.9	261.5	261.5	263.4	263.4
42.5°	247.4	235.5	223.4	212.4	205.0	199.4	196.9	196.9	197.2	198.6	199.4
45°	210.1	195.2	181.1	169.0	158.8	151.5	148.1	147.2	147.0	147.5	149.5
47.5°	181.6	166.1	151.5	136.5	125.8	118.5	115.4	114.2	113.1	114.2	114.5
50°	159.4	143.3	127.8	112.8	101.5	95.0	91.1	89.4	89.1	89.1	89.7
52.5°	139.0	124.1	108.6	93.4	81.5	75.3	71.6	70.8	69.7	70.8	70.8
55°	119.9	104.9	89.7	75.3	65.4	59.0	55.6	54.4	53.9	54.7	54.7
57.5°	99.0	86.3	72.2	59.2	49.4	44.8	42.3	40.9	40.6	41.2	40.6
60°	81.2	70.5	58.4	46.5	38.9	34.1	32.2	31.6	31.0	31.6	31.6
62.5°	64.3	55.3	45.4	36.4	29.9	26.5	24.3	24.3	24.0	24.0	24.3
65°	47.7	40.6	33.6	25.9	20.9	18.3	16.6	16.6	16.4	16.6	16.4
67.5°	34.7	29.9	24.3	18.9	15.0	13.5	12.4	11.6	12.1	11.6	11.3
70°	25.4	21.4	17.5	14.4	11.6	10.2	9.3	9.0	8.5	8.5	8.5
72.5°	16.9	14.4	11.8	9.3	7.6	6.2	5.9	5.4	4.8	5.1	5.6
75°	11.3	9.6	8.5	6.8	5.1	5.1	3.4	3.4	2.8	3.4	2.5
77.5°	7.9	6.5	5.1	4.2	3.4	3.1	2.3	2.3	2.0	2.0	2.0
80°	5.6	4.8	3.7	3.1	2.3	2.3	2.0	1.7	1.4	1.4	1.7
82.5°	3.4	2.5	2.5	2.3	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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	581.0	580.7	581.3	581.3	583.0	582.7	583.6	583.6	583.0	583.3	584.4
5°	583.0	583.9	585.5	587.0	589.5	590.6	592.0	593.4	593.7	594.6	595.4
7.5°	583.0	585.8	587.8	590.3	593.7	595.7	598.8	601.3	602.5	603.9	605.6
10°	581.9	584.7	588.4	591.2	595.4	598.5	601.6	605.6	607.3	609.5	611.8
12.5°	579.6	582.7	586.7	590.3	595.1	597.9	601.9	605.6	608.1	611.2	613.7
15°	576.2	579.9	583.6	587.2	592.3	595.7	599.4	603.6	606.1	609.5	611.8
17.5°	570.9	574.8	578.2	581.6	586.4	590.3	593.7	597.7	600.2	603.0	606.1
20°	564.4	568.0	571.7	574.5	579.3	582.7	586.4	590.0	592.0	592.6	597.4
22.5°	556.2	558.7	561.6	566.1	568.9	572.0	575.4	578.8	580.7	583.9	585.5
25°	542.7	545.2	548.3	550.3	553.7	556.2	559.6	563.3	564.4	566.6	568.3
27.5°	523.8	525.2	526.6	528.3	530.2	531.7	533.6	535.3	536.5	537.6	538.7
30°	493.9	493.9	493.9	492.7	493.6	494.4	494.7	494.4	494.4	494.2	494.2
32.5°	454.4	452.1	449.6	447.3	446.5	445.4	444.8	443.9	442.5	441.7	442.0
35°	401.1	396.0	392.9	390.1	387.8	386.1	385.3	384.4	384.2	383.0	381.9
37.5°	334.5	330.8	328.6	326.9	324.9	323.2	323.5	323.8	324.6	324.1	324.4
40°	264.0	263.2	264.0	262.0	261.5	262.0	263.4	265.4	266.5	267.7	269.6
42.5°	200.8	202.2	204.2	204.2	205.0	206.2	207.9	211.0	212.7	214.6	216.9
45°	151.2	152.9	155.4	156.3	156.8	158.2	160.2	162.7	163.9	165.6	167.5
47.5°	116.5	117.6	119.0	120.4	121.8	122.4	124.4	124.4	125.8	126.9	127.5
50°	90.8	91.9	93.1	93.9	94.5	95.3	95.9	96.7	97.0	97.6	97.9
52.5°	71.1	72.5	72.5	73.0	73.9	74.7	74.5	74.7	75.0	75.0	75.9
55°	55.6	55.6	56.4	56.4	57.0	56.7	57.0	57.0	57.0	57.0	57.3
57.5°	41.5	41.7	42.6	42.0	41.7	42.3	41.7	42.3	42.0	42.6	41.7
60°	31.9	31.9	32.2	32.2	32.4	32.4	32.4	32.2	32.2	31.9	31.9
62.5°	24.0	24.3	24.5	24.3	24.3	24.3	24.0	24.0	23.7	23.4	23.4
65°	16.1	15.8	16.4	15.8	16.1	16.1	15.8	16.1	15.2	15.5	15.2
67.5°	11.6	11.3	11.0	11.3	11.0	10.7	10.7	11.0	11.3	10.4	10.4
70°	7.6	7.9	7.6	7.9	8.2	8.2	7.9	7.6	7.9	7.3	7.6
72.5°	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.1	4.5	4.5	4.2
75°	2.3	3.1	2.5	2.3	3.1	3.1	2.8	2.8	2.5	2.5	2.5
77.5°	2.3	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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	584.1	583.9	584.1	584.4	584.1	583.9	584.1	584.4	583.3	583.0	583.6
5°	596.5	596.5	597.1	597.4	597.1	596.5	596.5	595.4	594.6	593.7	593.4
7.5°	607.3	607.8	608.4	608.7	608.4	607.8	607.3	605.6	603.9	602.5	601.3
10°	613.7	614.6	615.7	616.3	615.7	614.6	613.7	611.8	609.5	607.3	605.6
12.5°	616.6	617.4	618.8	618.5	618.8	617.4	616.6	613.7	611.2	608.1	605.6
15°	614.6	615.7	617.1	617.7	617.1	615.7	614.6	611.8	609.5	606.1	603.6
17.5°	608.4	610.1	610.9	611.8	610.9	610.1	608.4	606.1	603.0	600.2	597.7
20°	599.9	601.1	602.2	602.5	602.2	601.1	599.9	597.4	592.6	592.0	590.0
22.5°	587.8	588.6	591.2	590.3	591.2	588.6	587.8	585.5	583.9	580.7	578.8
25°	570.3	571.1	571.4	571.7	571.4	571.1	570.3	568.3	566.6	564.4	563.3
27.5°	540.1	540.1	540.7	541.0	540.7	540.1	540.1	538.7	537.6	536.5	535.3
30°	494.4	494.4	494.4	495.9	494.4	494.4	494.4	494.2	494.2	494.4	494.4
32.5°	441.7	441.1	440.6	441.1	440.6	441.1	441.7	442.0	441.7	442.5	443.9
35°	381.9	381.6	382.5	381.3	382.5	381.6	381.9	381.9	383.0	384.2	384.4
37.5°	324.6	324.1	325.2	324.1	325.2	324.1	324.6	324.4	324.1	324.6	323.8
40°	270.2	270.8	270.8	273.0	270.8	270.8	270.2	269.6	267.7	266.5	265.4
42.5°	218.0	219.7	219.2	220.8	219.2	219.7	218.0	216.9	214.6	212.7	211.0
45°	168.7	169.8	169.8	170.4	169.8	169.8	168.7	167.5	165.6	163.9	162.7
47.5°	129.5	129.5	129.5	129.7	129.5	129.5	129.5	127.5	126.9	125.8	124.4
50°	98.4	98.7	99.0	99.3	99.0	98.7	98.4	97.9	97.6	97.0	96.7
52.5°	75.6	75.9	75.3	75.9	75.3	75.9	75.6	75.9	75.0	75.0	74.7
55°	57.3	57.0	57.3	57.5	57.3	57.0	57.3	57.3	57.0	57.0	57.0
57.5°	42.0	41.5	41.5	41.5	41.5	41.5	42.0	41.7	42.6	42.0	42.3
60°	31.3	31.6	31.6	31.9	31.6	31.6	31.3	31.9	31.9	32.2	32.2
62.5°	23.1	24.0	23.4	24.0	23.4	24.0	23.1	23.4	23.4	23.7	24.0
65°	15.0	15.0	15.0	15.2	15.0	15.0	15.0	15.2	15.5	15.2	16.1
67.5°	10.2	10.4	11.0	10.7	11.0	10.4	10.2	10.4	10.4	11.3	11.0
70°	8.2	7.3	7.3	8.2	7.3	7.3	8.2	7.6	7.3	7.9	7.6
72.5°	4.8	4.2	4.8	4.8	4.8	4.2	4.8	4.2	4.5	4.5	5.1
75°	2.5	2.3	2.0	2.8	2.0	2.3	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°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	583.6	582.7	583.0	581.3	581.3	580.7	581.0	579.6	579.1	578.5	579.3
5°	592.0	590.6	589.5	587.0	585.5	583.9	583.0	580.7	578.8	577.1	576.8
7.5°	598.8	595.7	593.7	590.3	587.8	585.8	583.0	579.9	577.4	575.1	573.4
10°	601.6	598.5	595.4	591.2	588.4	584.7	581.9	577.9	574.5	571.4	569.5
12.5°	601.9	597.9	595.1	590.3	586.7	582.7	579.6	575.1	571.1	568.0	565.0
15°	599.4	595.7	592.3	587.2	583.6	579.9	576.2	571.4	567.8	564.1	561.9
17.5°	593.7	590.3	586.4	581.6	578.2	574.8	570.9	566.9	562.7	558.7	555.9
20°	586.4	582.7	579.3	574.5	571.7	568.0	564.4	560.2	556.8	552.8	549.7
22.5°	575.4	572.0	568.9	566.1	561.6	558.7	556.2	551.4	548.0	544.4	541.0
25°	559.6	556.2	553.7	550.3	548.3	545.2	542.7	538.4	535.3	531.9	529.1
27.5°	533.6	531.7	530.2	528.3	526.6	525.2	523.8	520.4	518.1	515.0	512.2
30°	494.7	494.4	493.6	492.7	493.9	493.9	493.9	493.3	491.3	489.1	487.1
32.5°	444.8	445.4	446.5	447.3	449.6	452.1	454.4	455.5	455.5	454.1	453.3
35°	385.3	386.1	387.8	390.1	392.9	396.0	401.1	402.2	403.0	403.0	401.9
37.5°	323.5	323.2	324.9	326.9	328.6	330.8	334.5	335.4	336.8	336.2	335.1
40°	263.4	262.0	261.5	262.0	264.0	263.2	264.0	263.4	263.4	261.5	261.5
42.5°	207.9	206.2	205.0	204.2	204.2	202.2	200.8	199.4	198.6	197.2	196.9
45°	160.2	158.2	156.8	156.3	155.4	152.9	151.2	149.5	147.5	147.0	147.2
47.5°	124.4	122.4	121.8	120.4	119.0	117.6	116.5	114.5	114.2	113.1	114.2
50°	95.9	95.3	94.5	93.9	93.1	91.9	90.8	89.7	89.1	89.1	89.4
52.5°	74.5	74.7	73.9	73.0	72.5	72.5	71.1	70.8	70.8	69.7	70.8
55°	57.0	56.7	57.0	56.4	56.4	55.6	55.6	54.7	54.7	53.9	54.4
57.5°	41.7	42.3	41.7	42.0	42.6	41.7	41.5	40.6	41.2	40.6	40.9
60°	32.4	32.4	32.4	32.2	32.2	31.9	31.9	31.6	31.6	31.0	31.6
62.5°	24.0	24.3	24.3	24.3	24.5	24.3	24.0	24.3	24.0	24.0	24.3
65°	15.8	16.1	16.1	15.8	16.4	15.8	16.1	16.4	16.6	16.4	16.6
67.5°	10.7	10.7	11.0	11.3	11.0	11.3	11.6	11.3	11.6	12.1	11.6
70°	7.9	8.2	8.2	7.9	7.6	7.9	7.6	8.5	8.5	8.5	9.0
72.5°	5.1	5.1	4.8	4.8	4.8	4.8	4.8	5.6	5.1	4.8	5.4
75°	2.8	3.1	3.1	2.3	2.5	3.1	2.3	2.5	3.4	2.8	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.0	2.0	2.0	2.3
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



TEST NUMBER: P245868

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	577.1	577.1	576.8	576.2	575.1	575.1	574.8	574.0	573.4	573.1	573.1
5°	574.2	573.1	572.0	568.9	568.9	568.3	566.6	565.5	565.0	563.5	563.0
7.5°	571.7	568.3	566.4	564.4	561.9	560.7	558.7	557.9	555.9	554.5	553.7
10°	565.5	563.3	560.7	557.6	555.6	553.4	551.1	549.4	546.9	545.5	544.4
12.5°	561.3	557.9	555.6	552.2	548.9	546.9	543.8	541.8	539.3	536.5	534.8
15°	557.3	553.7	550.6	546.9	543.2	541.0	537.3	535.1	531.4	528.6	526.6
17.5°	551.4	548.3	544.9	540.4	537.0	534.2	530.2	527.4	524.1	520.4	518.4
20°	545.2	541.5	538.2	533.6	530.2	526.9	522.9	519.8	515.9	512.5	510.2
22.5°	537.0	532.8	530.0	525.5	521.5	517.9	514.2	510.5	506.8	504.0	501.5
25°	525.2	520.7	517.6	513.9	510.2	507.4	502.9	500.6	497.0	494.4	491.9
27.5°	508.2	504.9	502.1	498.4	495.3	493.0	489.6	487.4	484.3	482.0	480.1
30°	483.4	480.6	478.1	474.4	472.2	470.2	467.1	465.1	462.8	460.3	459.7
32.5°	450.2	447.9	445.4	442.8	441.1	440.0	437.5	436.3	434.1	432.7	431.3
35°	399.9	398.0	396.6	395.4	394.9	395.2	394.6	395.7	396.3	396.0	396.3
37.5°	334.2	333.1	333.7	334.5	337.3	341.0	344.4	349.5	352.8	356.2	359.3
40°	260.9	261.7	264.0	269.1	276.4	284.6	292.2	301.8	311.4	318.2	324.4
42.5°	196.9	199.4	205.0	212.4	223.4	235.5	247.4	261.5	273.0	284.3	292.2
45°	148.1	151.5	158.8	169.0	181.1	195.2	210.1	225.9	239.7	251.3	260.1
47.5°	115.4	118.5	125.8	136.5	151.5	166.1	181.6	198.0	212.4	223.7	231.3
50°	91.1	95.0	101.5	112.8	127.8	143.3	159.4	175.4	189.0	198.6	205.3
52.5°	71.6	75.3	81.5	93.4	108.6	124.1	139.0	154.8	166.7	176.0	180.5
55°	55.6	59.0	65.4	75.3	89.7	104.9	119.9	133.4	144.4	151.2	155.4
57.5°	42.3	44.8	49.4	59.2	72.2	86.3	99.0	112.5	121.0	125.8	128.6
60°	32.2	34.1	38.9	46.5	58.4	70.5	81.2	91.4	98.2	102.1	104.9
62.5°	24.3	26.5	29.9	36.4	45.4	55.3	64.3	71.9	77.6	80.1	82.1
65°	16.6	18.3	20.9	25.9	33.6	40.6	47.7	53.3	57.0	59.8	60.9
67.5°	12.4	13.5	15.0	18.9	24.3	29.9	34.7	38.6	42.6	43.7	45.7
70°	9.3	10.2	11.6	14.4	17.5	21.4	25.4	27.6	30.5	32.4	33.0
72.5°	5.9	6.2	7.6	9.3	11.8	14.4	16.9	18.9	20.6	21.7	22.3
75°	3.4	5.1	5.1	6.8	8.5	9.6	11.3	12.7	13.5	14.4	14.4
77.5°	2.3	3.1	3.4	4.2	5.1	6.5	7.9	8.7	9.6	9.9	9.9
80°	2.0	2.3	2.3	3.1	3.7	4.8	5.6	5.9	6.5	6.8	7.3
82.5°	0.8	1.1	1.4	2.3	2.5	2.5	3.4	3.7	4.2	4.5	4.5
85°	0.3	0.6	0.6	0.8	1.4	1.7	2.0	2.3	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: P245868

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	577.6	577.6	577.6	577.6	577.6	577.6	577.6
2.5°	572.6	572.8	571.7	571.4	570.9	571.1	571.7
5°	562.1	562.4	561.3	560.2	560.2	559.9	560.2
7.5°	552.2	552.5	550.8	550.3	549.1	549.4	549.4
10°	542.4	542.4	539.9	539.6	538.7	538.4	538.4
12.5°	532.8	531.9	530.0	528.8	529.4	527.7	527.7
15°	524.3	522.9	520.4	519.5	518.1	517.6	517.6
17.5°	515.6	514.5	512.2	510.5	508.8	508.5	508.8
20°	507.1	506.0	503.2	502.1	500.6	500.6	500.1
22.5°	498.7	497.5	495.0	494.2	492.2	492.2	492.5
25°	489.9	489.1	486.2	485.7	485.4	484.3	484.8
27.5°	478.1	477.5	475.3	474.4	473.3	473.0	473.6
30°	456.4	455.5	453.8	453.0	451.0	451.3	451.8
32.5°	429.3	428.2	425.9	425.0	423.4	422.8	423.1
35°	395.4	394.6	392.6	392.6	390.9	390.4	390.9
37.5°	361.0	361.9	361.0	361.9	361.0	360.7	361.0
40°	328.6	331.7	332.3	335.4	334.2	335.9	335.6
42.5°	297.6	302.6	304.6	307.2	306.6	307.7	308.6
45°	266.3	270.5	272.5	274.2	274.4	275.0	275.3
47.5°	236.6	240.0	240.3	242.3	242.0	242.0	242.8
50°	209.0	211.3	211.8	213.2	212.1	211.5	211.8
52.5°	183.3	185.6	185.0	185.6	184.2	183.6	183.9
55°	157.1	158.2	158.2	158.2	156.5	156.5	156.5
57.5°	130.3	130.6	130.0	130.3	130.0	128.3	128.1
60°	105.8	105.8	105.5	105.8	104.9	104.1	104.1
62.5°	82.6	83.2	84.3	83.2	82.6	83.2	82.4
65°	61.8	62.9	62.6	63.2	62.9	62.9	62.3
67.5°	46.5	46.8	47.1	47.4	47.4	47.4	47.4
70°	34.1	35.0	34.7	34.7	34.7	34.7	36.4
72.5°	22.8	24.0	23.7	24.3	24.3	24.8	24.3
75°	15.5	16.6	16.1	16.9	16.6	16.1	17.5
77.5°	10.4	11.0	11.3	11.6	11.3	11.0	11.3
80°	7.3	7.9	7.6	7.9	7.9	7.9	8.2
82.5°	4.5	5.4	5.1	5.4	5.1	5.4	5.4
85°	3.1	3.4	2.8	3.4	3.1	3.1	3.7
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)