

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: P244578

Luminaire Tested: **LSR8B10D010 EC8B10927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244578
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 EC8B10927 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 893.2 lumens
Efficiency: N/A
Efficacy: 87.6 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

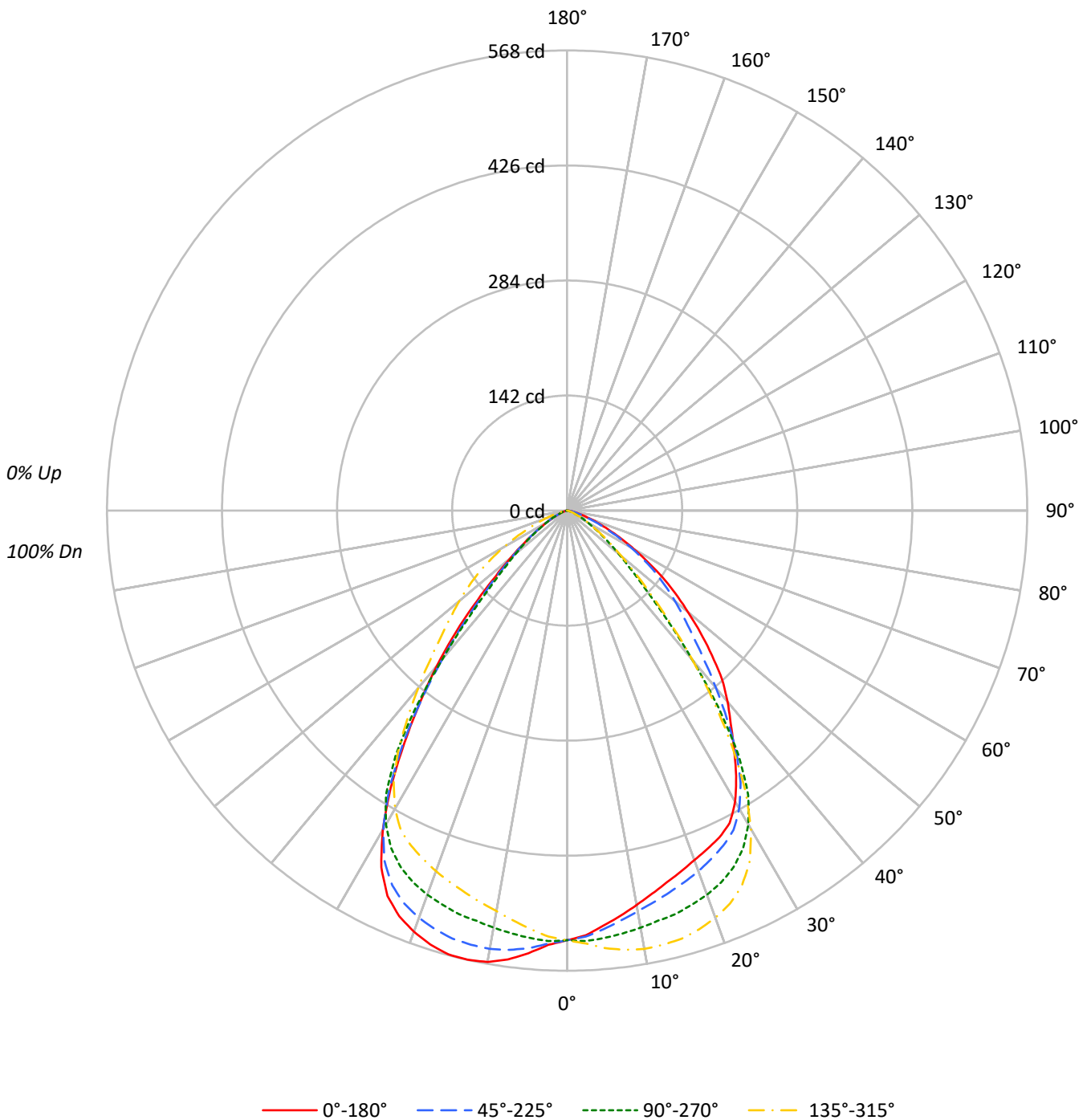
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	16352	16352	16352	16352
5°	15917	16390	16975	16390
10°	15478	16370	17716	16370
15°	15167	16466	18104	16466
20°	15066	16562	18150	16562
25°	15141	16529	17856	16529
30°	14770	15923	16208	15923
35°	13510	13891	13179	13891
40°	12402	9665	10088	9665
45°	11020	5892	6820	5892
50°	9326	3939	4370	3939
55°	7726	2683	2844	2683
60°	5890	1789	1801	1789
65°	4181	1116	1022	1116
70°	3011	748	676	748
75°	1918	381	310	381
80°	1332	284	213	284
85°	1203	0	71	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	5.7
10°-20°	146.2	16.4
20°-30°	221.3	24.8
30°-40°	221.8	24.8
40°-50°	139.3	15.6
50°-60°	74.2	8.3
60°-70°	30.5	3.4
70°-80°	8.1	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°	418.0	46.8
0°-40°	639.8	71.6
0°-60°	853.3	95.5
0°-90°	893.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	530	530	530	530	530	
5°	514	530	548	530	514	48
15°	475	516	567	516	475	134
25°	445	486	525	486	445	204
35°	359	369	350	369	359	225
45°	253	135	156	135	253	194
55°	144	50	53	50	144	128
65°	57	15	14	15	57	59
75°	16	3	3	3	16	18
85°	3	0	0	0	3	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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	524.8	524.4	524.0	524.6	524.8	525.9	525.6	526.2	526.2	526.4	526.9
5°	514.2	514.0	514.2	514.2	515.2	516.3	516.0	516.8	517.4	518.6	519.2
7.5°	504.4	504.4	504.1	505.1	505.7	507.3	507.0	508.3	509.1	510.3	512.2
10°	494.3	494.3	494.6	495.3	495.6	497.9	497.9	499.7	500.7	502.1	504.4
12.5°	484.4	484.4	486.0	485.6	486.6	488.4	489.2	491.0	492.5	495.1	497.4
15°	475.1	475.1	475.6	477.0	477.7	480.0	481.4	483.4	485.2	487.8	491.2
17.5°	467.1	466.9	467.1	468.7	470.2	472.3	473.3	475.9	477.7	481.0	484.2
20°	459.1	459.6	459.6	460.9	461.9	464.5	465.5	468.4	470.5	473.6	477.2
22.5°	452.1	451.8	451.8	453.6	454.4	456.8	457.8	460.4	462.7	465.3	468.7
25°	445.0	444.6	445.6	445.8	446.4	449.0	449.8	451.6	453.9	456.2	459.6
27.5°	434.7	434.2	434.5	435.5	436.3	438.4	438.9	440.7	442.5	444.6	447.4
30°	414.8	414.3	414.0	415.8	416.6	418.2	419.0	422.1	422.6	424.9	426.9
32.5°	388.3	388.1	388.7	390.3	390.9	393.1	394.1	395.9	397.2	398.5	400.6
35°	358.9	358.3	358.9	360.4	360.4	362.2	363.0	363.8	363.5	363.8	363.3
37.5°	331.4	331.2	331.4	332.2	331.4	332.2	331.4	329.8	327.0	323.9	320.8
40°	308.1	308.4	306.8	307.9	305.0	304.5	301.6	297.8	292.0	285.9	277.1
42.5°	283.3	282.5	281.5	281.9	279.7	277.9	273.2	268.3	261.0	250.6	240.1
45°	252.7	252.4	251.9	251.7	250.1	248.3	244.5	238.7	230.7	220.0	207.4
47.5°	223.0	222.2	222.2	222.4	220.6	220.4	217.2	212.3	205.3	195.0	181.8
50°	194.4	194.2	194.7	195.8	194.4	194.0	191.9	188.5	182.2	173.5	161.1
52.5°	168.9	168.5	169.1	170.3	169.9	170.3	168.3	165.7	161.5	153.0	142.2
55°	143.7	143.7	143.7	145.2	145.2	145.2	144.2	142.6	138.8	132.5	122.5
57.5°	117.6	117.8	119.4	119.6	119.4	119.9	119.6	118.0	115.5	111.0	103.3
60°	95.5	95.5	96.3	97.1	96.9	97.1	97.1	96.3	93.7	90.1	83.9
62.5°	75.6	76.4	75.8	76.4	77.4	76.4	75.8	75.4	73.6	71.2	66.0
65°	57.3	57.7	57.7	58.0	57.5	57.7	56.7	55.9	54.9	52.3	48.9
67.5°	43.5	43.5	43.5	43.5	43.2	43.0	42.8	42.0	40.2	39.2	35.4
70°	33.4	31.8	31.8	31.8	31.8	32.1	31.4	30.3	29.8	28.0	25.4
72.5°	22.3	22.8	22.3	22.3	21.7	22.0	20.9	20.5	19.9	18.9	17.3
75°	16.1	14.7	15.3	15.5	14.7	15.3	14.3	13.2	13.2	12.4	11.7
77.5°	10.4	10.1	10.4	10.6	10.4	10.1	9.6	9.1	9.1	8.8	8.0
80°	7.5	7.2	7.2	7.2	7.0	7.2	6.8	6.8	6.2	6.0	5.4
82.5°	5.0	5.0	4.6	5.0	4.6	5.0	4.2	4.2	4.2	3.8	3.4
85°	3.4	2.8	2.8	3.2	2.6	3.2	2.8	2.6	2.4	2.4	2.0
87.5°	1.6	1.8	1.6	1.8	1.6	1.6	1.8	1.6	1.6	1.0	1.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	527.7	528.0	528.0	529.0	529.5	529.8	529.8	531.9	531.1	531.6	532.1
5°	520.2	521.8	522.2	522.2	525.2	526.2	527.2	529.5	529.8	531.3	533.1
7.5°	512.9	514.8	515.8	518.2	520.0	521.8	524.8	526.4	528.0	530.0	532.4
10°	505.9	508.0	510.1	511.9	514.8	517.1	519.2	522.8	524.6	527.4	530.6
12.5°	499.3	502.1	503.9	507.0	510.1	512.2	515.2	518.6	521.4	524.4	528.0
15°	493.3	496.7	498.7	502.1	505.5	508.3	511.6	515.8	517.8	521.2	524.6
17.5°	486.8	490.4	493.0	496.1	500.3	503.3	506.2	510.3	512.9	516.6	520.4
20°	480.0	483.6	486.8	489.9	494.1	497.1	500.5	504.7	507.5	511.1	514.2
22.5°	472.0	475.4	478.8	482.4	486.6	489.2	493.0	496.7	499.7	503.1	506.2
25°	461.7	465.9	468.4	471.8	475.1	478.0	482.2	485.8	488.4	491.5	494.3
27.5°	449.6	452.6	454.7	457.5	460.9	463.5	466.5	470.2	472.8	475.6	477.7
30°	428.7	431.7	433.5	435.5	438.9	441.2	443.8	447.2	449.0	451.0	452.9
32.5°	401.6	404.0	405.0	406.6	408.8	411.2	413.2	416.1	416.9	418.2	418.2
35°	362.2	362.8	362.5	363.0	364.0	365.4	367.2	369.0	370.0	370.0	369.2
37.5°	316.1	313.1	309.7	307.1	306.3	305.8	306.8	307.6	308.7	309.2	307.9
40°	268.3	261.2	253.8	247.0	242.3	240.3	239.5	240.1	240.1	241.9	241.9
42.5°	227.1	216.2	205.1	195.0	188.2	183.0	180.8	180.8	181.0	182.2	183.0
45°	192.9	179.2	166.3	155.1	145.8	139.0	135.9	135.1	134.9	135.5	137.2
47.5°	166.7	152.5	139.0	125.3	115.5	108.8	105.9	104.8	103.8	104.8	105.1
50°	146.2	131.5	117.3	103.6	93.3	87.3	83.6	82.1	81.8	81.8	82.4
52.5°	127.7	114.0	99.7	85.7	74.8	69.2	65.8	65.0	64.0	65.0	65.0
55°	110.0	96.3	82.4	69.2	60.1	54.1	51.0	49.9	49.5	50.2	50.2
57.5°	90.9	79.2	66.3	54.3	45.3	41.2	38.8	37.6	37.2	37.8	37.2
60°	74.6	64.7	53.6	42.8	35.8	31.4	29.5	29.0	28.5	29.0	29.0
62.5°	59.1	50.7	41.7	33.4	27.4	24.3	22.3	22.3	22.0	22.0	22.3
65°	43.8	37.2	30.8	23.8	19.1	16.9	15.3	15.3	15.0	15.3	15.0
67.5°	31.8	27.4	22.3	17.3	13.7	12.4	11.4	10.6	11.1	10.6	10.4
70°	23.3	19.7	16.1	13.2	10.6	9.3	8.5	8.3	7.8	7.8	7.8
72.5°	15.5	13.2	10.9	8.5	7.0	5.7	5.4	5.0	4.4	4.6	5.2
75°	10.4	8.8	7.8	6.2	4.6	4.6	3.2	3.2	2.6	3.2	2.4
77.5°	7.2	6.0	4.6	3.8	3.2	2.8	2.0	2.0	1.8	1.8	1.8
80°	5.2	4.4	3.4	2.8	2.0	2.0	1.8	1.6	1.2	1.2	1.6
82.5°	3.2	2.4	2.4	2.0	1.2	1.0	0.8	1.0	0.6	0.6	0.6
85°	1.8	1.6	1.2	0.8	0.6	0.6	0.2	0.0	0.2	0.2	0.0
87.5°	1.0	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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	533.4	533.1	533.7	533.7	535.2	534.9	535.7	535.7	535.2	535.5	536.5
5°	535.2	535.9	537.5	538.9	541.1	542.2	543.5	544.8	545.1	545.8	546.6
7.5°	535.2	537.9	539.7	541.9	545.1	546.9	549.7	552.0	553.1	554.4	556.0
10°	534.2	536.7	540.1	542.7	546.6	549.4	552.3	556.0	557.4	559.6	561.6
12.5°	532.1	534.9	538.5	541.9	546.3	548.9	552.6	556.0	558.2	561.2	563.4
15°	529.0	532.4	535.7	539.1	543.7	546.9	550.2	554.1	556.4	559.6	561.6
17.5°	524.0	527.7	530.8	533.9	538.3	541.9	545.1	548.7	551.0	553.6	556.4
20°	518.2	521.4	524.8	527.4	531.9	534.9	538.3	541.7	543.5	544.1	548.4
22.5°	510.6	512.9	515.6	519.6	522.2	525.2	528.2	531.3	533.1	535.9	537.5
25°	498.2	500.5	503.3	505.1	508.3	510.6	513.7	517.1	518.2	520.2	521.8
27.5°	480.8	482.2	483.4	485.0	486.8	488.1	489.9	491.5	492.5	493.5	494.6
30°	453.4	453.4	453.4	452.4	453.2	453.9	454.2	453.9	453.9	453.6	453.6
32.5°	417.2	415.1	412.8	410.6	409.8	408.8	408.4	407.6	406.2	405.4	405.8
35°	368.2	363.5	360.7	358.1	356.1	354.5	353.7	352.9	352.7	351.7	350.6
37.5°	307.1	303.8	301.6	300.2	298.2	296.8	297.0	297.2	298.0	297.6	297.8
40°	242.3	241.5	242.3	240.5	240.1	240.5	241.9	243.7	244.7	245.7	247.5
42.5°	184.4	185.6	187.4	187.4	188.2	189.3	190.8	193.7	195.2	197.0	199.1
45°	138.8	140.3	142.6	143.4	144.0	145.2	147.0	149.4	150.4	152.0	153.8
47.5°	107.0	108.0	109.2	110.6	111.8	112.4	114.2	114.2	115.5	116.6	117.0
50°	83.4	84.4	85.5	86.2	86.7	87.5	88.1	88.8	89.1	89.6	89.9
52.5°	65.2	66.6	66.6	67.0	67.8	68.6	68.4	68.6	68.9	68.9	69.6
55°	51.0	51.0	51.8	51.8	52.3	52.1	52.3	52.3	52.3	52.3	52.5
57.5°	38.0	38.4	39.2	38.6	38.4	38.8	38.4	38.8	38.6	39.2	38.4
60°	29.2	29.2	29.5	29.5	29.8	29.8	29.8	29.5	29.5	29.2	29.2
62.5°	22.0	22.3	22.5	22.3	22.3	22.3	22.0	22.0	21.7	21.5	21.5
65°	14.7	14.5	15.0	14.5	14.7	14.7	14.5	14.7	14.0	14.3	14.0
67.5°	10.6	10.4	10.1	10.4	10.1	9.8	9.8	10.1	10.4	9.6	9.6
70°	7.0	7.2	7.0	7.2	7.5	7.5	7.2	7.0	7.2	6.8	7.0
72.5°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	4.6	4.2	4.2	3.8
75°	2.0	2.8	2.4	2.0	2.8	2.8	2.6	2.6	2.4	2.4	2.4
77.5°	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.2	1.6	1.2
80°	1.0	1.0	1.0	0.8	1.0	1.0	1.2	1.0	1.0	0.8	1.2
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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	536.3	535.9	536.3	536.5	536.3	535.9	536.3	536.5	535.5	535.2	535.7
5°	547.6	547.6	548.2	548.4	548.2	547.6	547.6	546.6	545.8	545.1	544.8
7.5°	557.4	558.0	558.6	558.8	558.6	558.0	557.4	556.0	554.4	553.1	552.0
10°	563.4	564.2	565.2	565.8	565.2	564.2	563.4	561.6	559.6	557.4	556.0
12.5°	566.0	566.8	568.1	567.8	568.1	566.8	566.0	563.4	561.2	558.2	556.0
15°	564.2	565.2	566.6	567.1	566.6	565.2	564.2	561.6	559.6	556.4	554.1
17.5°	558.6	560.0	560.8	561.6	560.8	560.0	558.6	556.4	553.6	551.0	548.7
20°	550.8	551.8	552.8	553.1	552.8	551.8	550.8	548.4	544.1	543.5	541.7
22.5°	539.7	540.4	542.7	541.9	542.7	540.4	539.7	537.5	535.9	533.1	531.3
25°	523.6	524.4	524.6	524.8	524.6	524.4	523.6	521.8	520.2	518.2	517.1
27.5°	495.9	495.9	496.4	496.7	496.4	495.9	495.9	494.6	493.5	492.5	491.5
30°	453.9	453.9	453.9	455.2	453.9	453.9	453.9	453.6	453.6	453.9	453.9
32.5°	405.4	405.0	404.4	405.0	404.4	405.0	405.4	405.8	405.4	406.2	407.6
35°	350.6	350.3	351.1	350.1	351.1	350.3	350.6	350.6	351.7	352.7	352.9
37.5°	298.0	297.6	298.6	297.6	298.6	297.6	298.0	297.8	297.6	298.0	297.2
40°	248.1	248.6	248.6	250.6	248.6	248.6	248.1	247.5	245.7	244.7	243.7
42.5°	200.1	201.7	201.2	202.7	201.2	201.7	200.1	199.1	197.0	195.2	193.7
45°	154.8	155.9	155.9	156.4	155.9	155.9	154.8	153.8	152.0	150.4	149.4
47.5°	118.8	118.8	118.8	119.1	118.8	118.8	118.8	117.0	116.6	115.5	114.2
50°	90.3	90.7	90.9	91.1	90.9	90.7	90.3	89.9	89.6	89.1	88.8
52.5°	69.4	69.6	69.2	69.6	69.2	69.6	69.4	69.6	68.9	68.9	68.6
55°	52.5	52.3	52.5	52.9	52.5	52.3	52.5	52.5	52.3	52.3	52.3
57.5°	38.6	38.0	38.0	38.0	38.0	38.0	38.6	38.4	39.2	38.6	38.8
60°	28.8	29.0	29.0	29.2	29.0	29.0	28.8	29.2	29.2	29.5	29.5
62.5°	21.3	22.0	21.5	22.0	21.5	22.0	21.3	21.5	21.5	21.7	22.0
65°	13.7	13.7	13.7	14.0	13.7	13.7	13.7	14.0	14.3	14.0	14.7
67.5°	9.3	9.6	10.1	9.8	10.1	9.6	9.3	9.6	9.6	10.4	10.1
70°	7.5	6.8	6.8	7.5	6.8	6.8	7.5	7.0	6.8	7.2	7.0
72.5°	4.4	3.8	4.4	4.4	4.4	3.8	4.4	3.8	4.2	4.2	4.6
75°	2.4	2.0	1.8	2.6	1.8	2.0	2.4	2.4	2.4	2.4	2.6
77.5°	1.6	1.2	1.8	1.8	1.8	1.2	1.6	1.2	1.6	1.2	1.6
80°	0.8	1.0	0.8	1.2	0.8	1.0	0.8	1.2	0.8	1.0	1.0
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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	535.7	534.9	535.2	533.7	533.7	533.1	533.4	532.1	531.6	531.1	531.9
5°	543.5	542.2	541.1	538.9	537.5	535.9	535.2	533.1	531.3	529.8	529.5
7.5°	549.7	546.9	545.1	541.9	539.7	537.9	535.2	532.4	530.0	528.0	526.4
10°	552.3	549.4	546.6	542.7	540.1	536.7	534.2	530.6	527.4	524.6	522.8
12.5°	552.6	548.9	546.3	541.9	538.5	534.9	532.1	528.0	524.4	521.4	518.6
15°	550.2	546.9	543.7	539.1	535.7	532.4	529.0	524.6	521.2	517.8	515.8
17.5°	545.1	541.9	538.3	533.9	530.8	527.7	524.0	520.4	516.6	512.9	510.3
20°	538.3	534.9	531.9	527.4	524.8	521.4	518.2	514.2	511.1	507.5	504.7
22.5°	528.2	525.2	522.2	519.6	515.6	512.9	510.6	506.2	503.1	499.7	496.7
25°	513.7	510.6	508.3	505.1	503.3	500.5	498.2	494.3	491.5	488.4	485.8
27.5°	489.9	488.1	486.8	485.0	483.4	482.2	480.8	477.7	475.6	472.8	470.2
30°	454.2	453.9	453.2	452.4	453.4	453.4	453.4	452.9	451.0	449.0	447.2
32.5°	408.4	408.8	409.8	410.6	412.8	415.1	417.2	418.2	418.2	416.9	416.1
35°	353.7	354.5	356.1	358.1	360.7	363.5	368.2	369.2	370.0	370.0	369.0
37.5°	297.0	296.8	298.2	300.2	301.6	303.8	307.1	307.9	309.2	308.7	307.6
40°	241.9	240.5	240.1	240.5	242.3	241.5	242.3	241.9	241.9	240.1	240.1
42.5°	190.8	189.3	188.2	187.4	187.4	185.6	184.4	183.0	182.2	181.0	180.8
45°	147.0	145.2	144.0	143.4	142.6	140.3	138.8	137.2	135.5	134.9	135.1
47.5°	114.2	112.4	111.8	110.6	109.2	108.0	107.0	105.1	104.8	103.8	104.8
50°	88.1	87.5	86.7	86.2	85.5	84.4	83.4	82.4	81.8	81.8	82.1
52.5°	68.4	68.6	67.8	67.0	66.6	66.6	65.2	65.0	65.0	64.0	65.0
55°	52.3	52.1	52.3	51.8	51.8	51.0	51.0	50.2	50.2	49.5	49.9
57.5°	38.4	38.8	38.4	38.6	39.2	38.4	38.0	37.2	37.8	37.2	37.6
60°	29.8	29.8	29.8	29.5	29.5	29.2	29.2	29.0	29.0	28.5	29.0
62.5°	22.0	22.3	22.3	22.3	22.5	22.3	22.0	22.3	22.0	22.0	22.3
65°	14.5	14.7	14.7	14.5	15.0	14.5	14.7	15.0	15.3	15.0	15.3
67.5°	9.8	9.8	10.1	10.4	10.1	10.4	10.6	10.4	10.6	11.1	10.6
70°	7.2	7.5	7.5	7.2	7.0	7.2	7.0	7.8	7.8	7.8	8.3
72.5°	4.6	4.6	4.4	4.4	4.4	4.4	4.4	5.2	4.6	4.4	5.0
75°	2.6	2.8	2.8	2.0	2.4	2.8	2.0	2.4	3.2	2.6	3.2
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	1.8	1.8	1.8	2.0
80°	1.2	1.0	1.0	0.8	1.0	1.0	1.0	1.6	1.2	1.2	1.6
82.5°	0.6	0.6	0.2	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.0
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°	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	529.8	529.8	529.5	529.0	528.0	528.0	527.7	526.9	526.4	526.2	526.2
5°	527.2	526.2	525.2	522.2	522.2	521.8	520.2	519.2	518.6	517.4	516.8
7.5°	524.8	521.8	520.0	518.2	515.8	514.8	512.9	512.2	510.3	509.1	508.3
10°	519.2	517.1	514.8	511.9	510.1	508.0	505.9	504.4	502.1	500.7	499.7
12.5°	515.2	512.2	510.1	507.0	503.9	502.1	499.3	497.4	495.1	492.5	491.0
15°	511.6	508.3	505.5	502.1	498.7	496.7	493.3	491.2	487.8	485.2	483.4
17.5°	506.2	503.3	500.3	496.1	493.0	490.4	486.8	484.2	481.0	477.7	475.9
20°	500.5	497.1	494.1	489.9	486.8	483.6	480.0	477.2	473.6	470.5	468.4
22.5°	493.0	489.2	486.6	482.4	478.8	475.4	472.0	468.7	465.3	462.7	460.4
25°	482.2	478.0	475.1	471.8	468.4	465.9	461.7	459.6	456.2	453.9	451.6
27.5°	466.5	463.5	460.9	457.5	454.7	452.6	449.6	447.4	444.6	442.5	440.7
30°	443.8	441.2	438.9	435.5	433.5	431.7	428.7	426.9	424.9	422.6	422.1
32.5°	413.2	411.2	408.8	406.6	405.0	404.0	401.6	400.6	398.5	397.2	395.9
35°	367.2	365.4	364.0	363.0	362.5	362.8	362.2	363.3	363.8	363.5	363.8
37.5°	306.8	305.8	306.3	307.1	309.7	313.1	316.1	320.8	323.9	327.0	329.8
40°	239.5	240.3	242.3	247.0	253.8	261.2	268.3	277.1	285.9	292.0	297.8
42.5°	180.8	183.0	188.2	195.0	205.1	216.2	227.1	240.1	250.6	261.0	268.3
45°	135.9	139.0	145.8	155.1	166.3	179.2	192.9	207.4	220.0	230.7	238.7
47.5°	105.9	108.8	115.5	125.3	139.0	152.5	166.7	181.8	195.0	205.3	212.3
50°	83.6	87.3	93.3	103.6	117.3	131.5	146.2	161.1	173.5	182.2	188.5
52.5°	65.8	69.2	74.8	85.7	99.7	114.0	127.7	142.2	153.0	161.5	165.7
55°	51.0	54.1	60.1	69.2	82.4	96.3	110.0	122.5	132.5	138.8	142.6
57.5°	38.8	41.2	45.3	54.3	66.3	79.2	90.9	103.3	111.0	115.5	118.0
60°	29.5	31.4	35.8	42.8	53.6	64.7	74.6	83.9	90.1	93.7	96.3
62.5°	22.3	24.3	27.4	33.4	41.7	50.7	59.1	66.0	71.2	73.6	75.4
65°	15.3	16.9	19.1	23.8	30.8	37.2	43.8	48.9	52.3	54.9	55.9
67.5°	11.4	12.4	13.7	17.3	22.3	27.4	31.8	35.4	39.2	40.2	42.0
70°	8.5	9.3	10.6	13.2	16.1	19.7	23.3	25.4	28.0	29.8	30.3
72.5°	5.4	5.7	7.0	8.5	10.9	13.2	15.5	17.3	18.9	19.9	20.5
75°	3.2	4.6	4.6	6.2	7.8	8.8	10.4	11.7	12.4	13.2	13.2
77.5°	2.0	2.8	3.2	3.8	4.6	6.0	7.2	8.0	8.8	9.1	9.1
80°	1.8	2.0	2.0	2.8	3.4	4.4	5.2	5.4	6.0	6.2	6.8
82.5°	0.8	1.0	1.2	2.0	2.4	2.4	3.2	3.4	3.8	4.2	4.2
85°	0.2	0.6	0.6	0.8	1.2	1.6	1.8	2.0	2.4	2.4	2.6
87.5°	0.2	0.2	0.0	0.2	0.6	0.6	1.0	1.0	1.0	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: P244578

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	530.3	530.3	530.3	530.3	530.3	530.3	530.3
2.5°	525.6	525.9	524.8	524.6	524.0	524.4	524.8
5°	516.0	516.3	515.2	514.2	514.2	514.0	514.2
7.5°	507.0	507.3	505.7	505.1	504.1	504.4	504.4
10°	497.9	497.9	495.6	495.3	494.6	494.3	494.3
12.5°	489.2	488.4	486.6	485.6	486.0	484.4	484.4
15°	481.4	480.0	477.7	477.0	475.6	475.1	475.1
17.5°	473.3	472.3	470.2	468.7	467.1	466.9	467.1
20°	465.5	464.5	461.9	460.9	459.6	459.6	459.1
22.5°	457.8	456.8	454.4	453.6	451.8	451.8	452.1
25°	449.8	449.0	446.4	445.8	445.6	444.6	445.0
27.5°	438.9	438.4	436.3	435.5	434.5	434.2	434.7
30°	419.0	418.2	416.6	415.8	414.0	414.3	414.8
32.5°	394.1	393.1	390.9	390.3	388.7	388.1	388.3
35°	363.0	362.2	360.4	360.4	358.9	358.3	358.9
37.5°	331.4	332.2	331.4	332.2	331.4	331.2	331.4
40°	301.6	304.5	305.0	307.9	306.8	308.4	308.1
42.5°	273.2	277.9	279.7	281.9	281.5	282.5	283.3
45°	244.5	248.3	250.1	251.7	251.9	252.4	252.7
47.5°	217.2	220.4	220.6	222.4	222.2	222.2	223.0
50°	191.9	194.0	194.4	195.8	194.7	194.2	194.4
52.5°	168.3	170.3	169.9	170.3	169.1	168.5	168.9
55°	144.2	145.2	145.2	145.2	143.7	143.7	143.7
57.5°	119.6	119.9	119.4	119.6	119.4	117.8	117.6
60°	97.1	97.1	96.9	97.1	96.3	95.5	95.5
62.5°	75.8	76.4	77.4	76.4	75.8	76.4	75.6
65°	56.7	57.7	57.5	58.0	57.7	57.7	57.3
67.5°	42.8	43.0	43.2	43.5	43.5	43.5	43.5
70°	31.4	32.1	31.8	31.8	31.8	31.8	33.4
72.5°	20.9	22.0	21.7	22.3	22.3	22.8	22.3
75°	14.3	15.3	14.7	15.5	15.3	14.7	16.1
77.5°	9.6	10.1	10.4	10.6	10.4	10.1	10.4
80°	6.8	7.2	7.0	7.2	7.2	7.2	7.5
82.5°	4.2	5.0	4.6	5.0	4.6	5.0	5.0
85°	2.8	3.2	2.6	3.2	2.8	2.8	3.4
87.5°	1.8	1.6	1.6	1.8	1.6	1.8	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)