

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: P244579

Luminaire Tested: **LSR8B15D010 EC8B15927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244579
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 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: 1209.4 lumens
Efficiency: N/A
Efficacy: 84.0 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

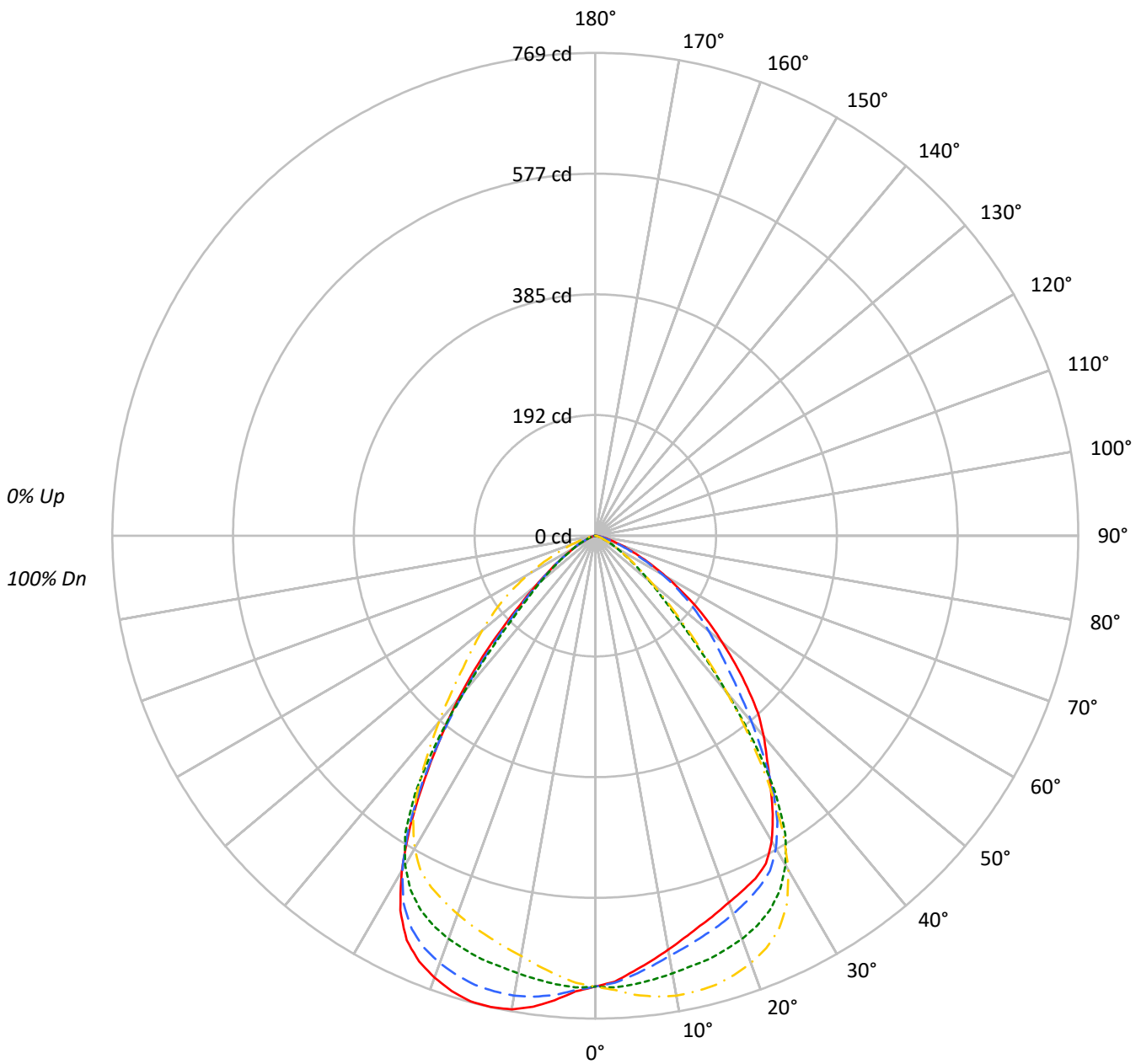
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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°	68.3	5.7
10°-20°	197.9	16.4
20°-30°	299.6	24.8
30°-40°	300.3	24.8
40°-50°	188.6	15.6
50°-60°	100.5	8.3
60°-70°	41.3	3.4
70°-80°	10.9	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°	565.9	46.8
0°-40°	866.2	71.6
0°-60°	1155.3	95.5
0°-90°	1209.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	718	718	718	718	718	
5°	696	717	742	717	696	66
15°	643	698	768	698	643	182
25°	603	658	711	658	603	276
35°	486	500	474	500	486	304
45°	342	183	212	183	342	263
55°	195	68	72	68	195	173
65°	78	21	19	21	78	80
75°	22	4	4	4	22	25
85°	5	0	0	0	5	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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	710.7	709.9	709.5	710.2	710.7	712.0	711.7	712.4	712.4	712.7	713.4
5°	696.3	695.9	696.3	696.3	697.6	699.1	698.7	699.8	700.4	702.2	702.9
7.5°	682.9	682.9	682.5	684.0	684.7	686.8	686.4	688.2	689.2	691.0	693.4
10°	669.3	669.3	669.6	670.6	670.9	674.1	674.1	676.6	678.0	679.7	682.9
12.5°	655.9	655.9	658.0	657.3	658.7	661.2	662.2	664.6	666.8	670.3	673.4
15°	643.3	643.3	643.9	645.8	646.8	649.9	651.7	654.5	657.0	660.5	665.0
17.5°	632.5	632.1	632.5	634.5	636.6	639.4	640.8	644.4	646.8	651.4	655.5
20°	621.6	622.2	622.2	624.0	625.4	628.9	630.3	634.2	637.0	641.1	646.1
22.5°	612.1	611.8	611.8	614.2	615.3	618.4	619.8	623.4	626.5	630.0	634.5
25°	602.7	601.9	603.3	603.7	604.4	607.8	609.0	611.4	614.6	617.7	622.2
27.5°	588.6	587.9	588.3	589.6	590.7	593.6	594.2	596.7	599.2	601.9	605.8
30°	561.6	560.9	560.6	563.1	564.1	566.2	567.2	571.4	572.2	575.3	578.1
32.5°	525.8	525.5	526.2	528.3	529.3	532.1	533.6	536.1	537.8	539.6	542.4
35°	485.9	485.2	485.9	488.0	488.0	490.5	491.5	492.5	492.2	492.5	491.8
37.5°	448.8	448.4	448.8	449.8	448.8	449.8	448.8	446.6	442.8	438.5	434.4
40°	417.2	417.5	415.5	416.8	413.0	412.3	408.4	403.2	395.4	387.0	375.1
42.5°	383.5	382.5	381.0	381.7	378.7	376.2	369.9	363.2	353.4	339.4	325.0
45°	342.1	341.8	341.1	340.8	338.6	336.2	331.0	323.2	312.4	298.0	280.8
47.5°	301.8	300.8	300.8	301.2	298.7	298.3	294.1	287.4	278.0	263.9	246.2
50°	263.2	262.9	263.6	265.0	263.2	262.6	259.8	255.3	246.8	234.9	218.0
52.5°	228.6	228.3	228.9	230.6	230.0	230.6	227.9	224.3	218.7	207.2	192.5
55°	194.6	194.6	194.6	196.6	196.6	196.6	195.3	193.2	187.9	179.4	165.8
57.5°	159.2	159.5	161.7	162.0	161.7	162.3	162.0	159.9	156.4	150.4	139.8
60°	129.4	129.4	130.4	131.5	131.1	131.5	131.5	130.4	126.9	122.0	113.6
62.5°	102.4	103.4	102.7	103.4	104.8	103.4	102.7	102.0	99.6	96.4	89.4
65°	77.5	78.2	78.2	78.5	77.9	78.2	76.7	75.7	74.4	70.9	66.3
67.5°	59.0	59.0	59.0	59.0	58.5	58.2	57.8	56.8	54.3	53.0	48.0
70°	45.2	43.1	43.1	43.1	43.1	43.4	42.4	41.1	40.3	37.9	34.3
72.5°	30.2	30.8	30.2	30.2	29.5	29.8	28.4	27.7	27.0	25.6	23.5
75°	21.7	20.0	20.7	21.0	20.0	20.7	19.2	17.9	17.9	16.9	15.8
77.5°	14.1	13.7	14.1	14.4	14.1	13.7	12.9	12.3	12.3	11.9	10.9
80°	10.1	9.8	9.8	9.8	9.5	9.8	9.1	9.1	8.4	8.1	7.3
82.5°	6.6	6.6	6.3	6.6	6.3	6.6	5.6	5.6	5.6	5.3	4.6
85°	4.6	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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	714.5	714.8	714.8	716.2	717.0	717.3	717.3	720.1	719.0	719.8	720.4
5°	704.2	706.4	707.1	707.1	711.0	712.4	713.7	717.0	717.3	719.3	721.8
7.5°	694.5	696.9	698.3	701.4	703.9	706.4	710.7	712.7	714.8	717.6	720.8
10°	685.0	687.8	690.6	693.1	696.9	700.1	702.9	707.8	710.2	714.2	718.3
12.5°	675.9	679.7	682.2	686.4	690.6	693.4	697.6	702.2	706.1	709.9	714.8
15°	667.8	672.4	675.2	679.7	684.3	688.2	692.8	698.3	701.1	705.7	710.2
17.5°	659.0	664.0	667.5	671.7	677.2	681.5	685.4	691.0	694.5	699.4	704.7
20°	649.9	654.9	659.0	663.3	668.9	673.1	677.7	683.2	687.2	692.0	696.3
22.5°	639.1	643.6	648.2	653.1	658.7	662.2	667.5	672.4	676.6	681.2	685.4
25°	625.1	630.7	634.2	638.8	643.3	647.1	652.7	657.7	661.2	665.4	669.3
27.5°	608.6	612.8	615.6	619.4	624.0	627.5	631.7	636.6	640.1	643.9	646.8
30°	580.5	584.4	586.9	589.6	594.2	597.4	600.9	605.5	607.8	610.6	613.1
32.5°	543.7	546.9	548.3	550.4	553.5	556.6	559.5	563.4	564.4	566.2	566.2
35°	490.5	491.2	490.8	491.5	492.9	494.7	497.1	499.6	501.0	501.0	500.0
37.5°	428.1	423.9	419.3	415.8	414.7	414.0	415.5	416.5	417.9	418.6	416.8
40°	363.2	353.7	343.6	334.5	328.2	325.3	324.2	325.0	325.0	327.4	327.4
42.5°	307.5	292.7	277.7	263.9	254.8	247.8	244.7	244.7	245.0	246.8	247.8
45°	261.2	242.6	225.1	210.0	197.3	188.2	184.0	183.0	182.7	183.4	185.8
47.5°	225.8	206.4	188.2	169.6	156.4	147.3	143.4	142.0	140.6	142.0	142.3
50°	198.1	178.1	158.8	140.2	126.2	118.1	113.2	111.2	110.8	110.8	111.5
52.5°	172.8	154.2	135.0	116.1	101.4	93.6	89.1	88.0	86.6	88.0	88.0
55°	149.0	130.4	111.5	93.6	81.3	73.2	69.1	67.6	66.9	68.1	68.1
57.5°	123.1	107.3	89.8	73.6	61.3	55.7	52.5	50.8	50.5	51.2	50.5
60°	100.9	87.6	72.6	57.8	48.4	42.4	39.9	39.3	38.6	39.3	39.3
62.5°	79.9	68.7	56.5	45.2	37.1	33.0	30.2	30.2	29.8	29.8	30.2
65°	59.3	50.5	41.7	32.3	26.0	22.8	20.7	20.7	20.4	20.7	20.4
67.5°	43.1	37.1	30.2	23.5	18.6	16.9	15.4	14.4	15.1	14.4	14.1
70°	31.6	26.7	21.7	17.9	14.4	12.6	11.6	11.2	10.6	10.6	10.6
72.5°	21.0	17.9	14.7	11.6	9.5	7.6	7.3	6.6	6.0	6.3	7.0
75°	14.1	11.9	10.6	8.4	6.3	6.3	4.2	4.2	3.5	4.2	3.2
77.5°	9.8	8.1	6.3	5.3	4.2	3.8	2.8	2.8	2.5	2.5	2.5
80°	7.0	6.0	4.6	3.8	2.8	2.8	2.5	2.1	1.8	1.8	2.1
82.5°	4.2	3.2	3.2	2.8	1.8	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.5	2.1	1.8	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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	722.1	721.8	722.5	722.5	724.6	724.3	725.3	725.3	724.6	724.9	726.4
5°	724.6	725.7	727.8	729.6	732.7	734.1	735.9	737.7	738.0	739.0	740.0
7.5°	724.6	728.1	730.6	733.7	738.0	740.4	744.3	747.4	748.8	750.6	752.6
10°	723.3	726.8	731.2	734.7	740.0	744.0	747.8	752.6	754.8	757.6	760.4
12.5°	720.4	724.3	729.2	733.7	739.7	743.2	748.1	752.6	755.9	759.7	762.9
15°	716.2	720.8	725.3	729.9	736.2	740.4	745.0	750.3	753.4	757.6	760.4
17.5°	709.5	714.5	718.6	722.9	728.9	733.7	738.0	742.8	746.0	749.5	753.4
20°	701.4	706.1	710.7	714.2	720.1	724.3	728.9	733.4	735.9	736.5	742.5
22.5°	691.3	694.5	697.9	703.6	707.1	711.0	715.2	719.3	721.8	725.7	727.8
25°	674.4	677.7	681.5	684.0	688.2	691.3	695.5	700.1	701.4	704.2	706.4
27.5°	651.0	652.7	654.5	656.7	659.0	660.8	663.3	665.4	666.8	668.1	669.6
30°	613.8	613.8	613.8	612.4	613.5	614.6	614.9	614.6	614.6	614.2	614.2
32.5°	564.8	561.9	558.8	556.0	555.0	553.5	552.8	551.8	550.0	549.0	549.3
35°	498.5	492.2	488.4	484.9	482.1	479.9	478.9	477.8	477.4	476.1	474.6
37.5°	415.8	411.2	408.4	406.3	403.9	401.7	402.1	402.4	403.5	402.9	403.2
40°	328.2	327.0	328.2	325.7	325.0	325.7	327.4	329.8	331.3	332.7	335.1
42.5°	249.6	251.3	253.8	253.8	254.8	256.3	258.4	262.2	264.4	266.7	269.6
45°	187.9	190.0	193.2	194.2	195.0	196.6	199.1	202.3	203.6	205.8	208.2
47.5°	144.8	146.1	147.9	149.7	151.4	152.1	154.6	154.6	156.4	157.7	158.4
50°	112.8	114.3	115.6	116.8	117.4	118.5	119.1	120.3	120.6	121.3	121.6
52.5°	88.3	90.1	90.1	90.8	91.8	92.9	92.6	92.9	93.3	93.3	94.3
55°	69.1	69.1	70.1	70.1	70.9	70.4	70.9	70.9	70.9	70.9	71.2
57.5°	51.5	51.9	53.0	52.2	51.9	52.5	51.9	52.5	52.2	53.0	51.9
60°	39.6	39.6	39.9	39.9	40.3	40.3	40.3	39.9	39.9	39.6	39.6
62.5°	29.8	30.2	30.5	30.2	30.2	30.2	29.8	29.8	29.5	29.1	29.1
65°	20.0	19.7	20.4	19.7	20.0	20.0	19.7	20.0	18.9	19.2	18.9
67.5°	14.4	14.1	13.7	14.1	13.7	13.3	13.3	13.7	14.1	12.9	12.9
70°	9.5	9.8	9.5	9.8	10.1	10.1	9.8	9.5	9.8	9.1	9.5
72.5°	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	5.6	5.6	5.3
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	1.8	2.1	1.8
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.8	1.3	1.3	1.0	1.8
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°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	726.1	725.7	726.1	726.4	726.1	725.7	726.1	726.4	724.9	724.6	725.3
5°	741.5	741.5	742.2	742.5	742.2	741.5	741.5	740.0	739.0	738.0	737.7
7.5°	754.8	755.4	756.2	756.6	756.2	755.4	754.8	752.6	750.6	748.8	747.4
10°	762.9	763.9	765.3	766.0	765.3	763.9	762.9	760.4	757.6	754.8	752.6
12.5°	766.4	767.4	769.2	768.8	769.2	767.4	766.4	762.9	759.7	755.9	752.6
15°	763.9	765.3	767.0	767.7	767.0	765.3	763.9	760.4	757.6	753.4	750.3
17.5°	756.2	758.2	759.4	760.4	759.4	758.2	756.2	753.4	749.5	746.0	742.8
20°	745.6	747.1	748.5	748.8	748.5	747.1	745.6	742.5	736.5	735.9	733.4
22.5°	730.6	731.7	734.7	733.7	734.7	731.7	730.6	727.8	725.7	721.8	719.3
25°	708.9	709.9	710.2	710.7	710.2	709.9	708.9	706.4	704.2	701.4	700.1
27.5°	671.4	671.4	672.1	672.4	672.1	671.4	671.4	669.6	668.1	666.8	665.4
30°	614.6	614.6	614.6	616.3	614.6	614.6	614.6	614.2	614.2	614.6	614.6
32.5°	549.0	548.3	547.6	548.3	547.6	548.3	549.0	549.3	549.0	550.0	551.8
35°	474.6	474.3	475.4	474.0	475.4	474.3	474.6	474.6	476.1	477.4	477.8
37.5°	403.5	402.9	404.2	402.9	404.2	402.9	403.5	403.2	402.9	403.5	402.4
40°	335.8	336.6	336.6	339.4	336.6	336.6	335.8	335.1	332.7	331.3	329.8
42.5°	271.0	273.2	272.4	274.5	272.4	273.2	271.0	269.6	266.7	264.4	262.2
45°	209.6	211.0	211.0	211.7	211.0	211.0	209.6	208.2	205.8	203.6	202.3
47.5°	160.9	160.9	160.9	161.2	160.9	160.9	160.9	158.4	157.7	156.4	154.6
50°	122.4	122.7	123.1	123.4	123.1	122.7	122.4	121.6	121.3	120.6	120.3
52.5°	93.9	94.3	93.6	94.3	93.6	94.3	93.9	94.3	93.3	93.3	92.9
55°	71.2	70.9	71.2	71.6	71.2	70.9	71.2	71.2	70.9	70.9	70.9
57.5°	52.2	51.5	51.5	51.5	51.5	51.5	52.2	51.9	53.0	52.2	52.5
60°	38.9	39.3	39.3	39.6	39.3	39.3	38.9	39.6	39.6	39.9	39.9
62.5°	28.8	29.8	29.1	29.8	29.1	29.8	28.8	29.1	29.1	29.5	29.8
65°	18.6	18.6	18.6	18.9	18.6	18.6	18.6	18.9	19.2	18.9	20.0
67.5°	12.6	12.9	13.7	13.3	13.7	12.9	12.6	12.9	12.9	14.1	13.7
70°	10.1	9.1	9.1	10.1	9.1	9.1	10.1	9.5	9.1	9.8	9.5
72.5°	6.0	5.3	6.0	6.0	6.0	5.3	6.0	5.3	5.6	5.6	6.3
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	1.8	2.5	2.5	2.5	1.8	2.1	1.8	2.1	1.8	2.1
80°	1.0	1.3	1.0	1.8	1.0	1.3	1.0	1.8	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	725.3	724.3	724.6	722.5	722.5	721.8	722.1	720.4	719.8	719.0	720.1
5°	735.9	734.1	732.7	729.6	727.8	725.7	724.6	721.8	719.3	717.3	717.0
7.5°	744.3	740.4	738.0	733.7	730.6	728.1	724.6	720.8	717.6	714.8	712.7
10°	747.8	744.0	740.0	734.7	731.2	726.8	723.3	718.3	714.2	710.2	707.8
12.5°	748.1	743.2	739.7	733.7	729.2	724.3	720.4	714.8	709.9	706.1	702.2
15°	745.0	740.4	736.2	729.9	725.3	720.8	716.2	710.2	705.7	701.1	698.3
17.5°	738.0	733.7	728.9	722.9	718.6	714.5	709.5	704.7	699.4	694.5	691.0
20°	728.9	724.3	720.1	714.2	710.7	706.1	701.4	696.3	692.0	687.2	683.2
22.5°	715.2	711.0	707.1	703.6	697.9	694.5	691.3	685.4	681.2	676.6	672.4
25°	695.5	691.3	688.2	684.0	681.5	677.7	674.4	669.3	665.4	661.2	657.7
27.5°	663.3	660.8	659.0	656.7	654.5	652.7	651.0	646.8	643.9	640.1	636.6
30°	614.9	614.6	613.5	612.4	613.8	613.8	613.8	613.1	610.6	607.8	605.5
32.5°	552.8	553.5	555.0	556.0	558.8	561.9	564.8	566.2	566.2	564.4	563.4
35°	478.9	479.9	482.1	484.9	488.4	492.2	498.5	500.0	501.0	501.0	499.6
37.5°	402.1	401.7	403.9	406.3	408.4	411.2	415.8	416.8	418.6	417.9	416.5
40°	327.4	325.7	325.0	325.7	328.2	327.0	328.2	327.4	327.4	325.0	325.0
42.5°	258.4	256.3	254.8	253.8	253.8	251.3	249.6	247.8	246.8	245.0	244.7
45°	199.1	196.6	195.0	194.2	193.2	190.0	187.9	185.8	183.4	182.7	183.0
47.5°	154.6	152.1	151.4	149.7	147.9	146.1	144.8	142.3	142.0	140.6	142.0
50°	119.1	118.5	117.4	116.8	115.6	114.3	112.8	111.5	110.8	110.8	111.2
52.5°	92.6	92.9	91.8	90.8	90.1	90.1	88.3	88.0	88.0	86.6	88.0
55°	70.9	70.4	70.9	70.1	70.1	69.1	69.1	68.1	68.1	66.9	67.6
57.5°	51.9	52.5	51.9	52.2	53.0	51.9	51.5	50.5	51.2	50.5	50.8
60°	40.3	40.3	40.3	39.9	39.9	39.6	39.6	39.3	39.3	38.6	39.3
62.5°	29.8	30.2	30.2	30.2	30.5	30.2	29.8	30.2	29.8	29.8	30.2
65°	19.7	20.0	20.0	19.7	20.4	19.7	20.0	20.4	20.7	20.4	20.7
67.5°	13.3	13.3	13.7	14.1	13.7	14.1	14.4	14.1	14.4	15.1	14.4
70°	9.8	10.1	10.1	9.8	9.5	9.8	9.5	10.6	10.6	10.6	11.2
72.5°	6.3	6.3	6.0	6.0	6.0	6.0	6.0	7.0	6.3	6.0	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°	1.8	1.3	1.3	1.0	1.3	1.3	1.3	2.1	1.8	1.8	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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	717.3	717.3	717.0	716.2	714.8	714.8	714.5	713.4	712.7	712.4	712.4
5°	713.7	712.4	711.0	707.1	707.1	706.4	704.2	702.9	702.2	700.4	699.8
7.5°	710.7	706.4	703.9	701.4	698.3	696.9	694.5	693.4	691.0	689.2	688.2
10°	702.9	700.1	696.9	693.1	690.6	687.8	685.0	682.9	679.7	678.0	676.6
12.5°	697.6	693.4	690.6	686.4	682.2	679.7	675.9	673.4	670.3	666.8	664.6
15°	692.8	688.2	684.3	679.7	675.2	672.4	667.8	665.0	660.5	657.0	654.5
17.5°	685.4	681.5	677.2	671.7	667.5	664.0	659.0	655.5	651.4	646.8	644.4
20°	677.7	673.1	668.9	663.3	659.0	654.9	649.9	646.1	641.1	637.0	634.2
22.5°	667.5	662.2	658.7	653.1	648.2	643.6	639.1	634.5	630.0	626.5	623.4
25°	652.7	647.1	643.3	638.8	634.2	630.7	625.1	622.2	617.7	614.6	611.4
27.5°	631.7	627.5	624.0	619.4	615.6	612.8	608.6	605.8	601.9	599.2	596.7
30°	600.9	597.4	594.2	589.6	586.9	584.4	580.5	578.1	575.3	572.2	571.4
32.5°	559.5	556.6	553.5	550.4	548.3	546.9	543.7	542.4	539.6	537.8	536.1
35°	497.1	494.7	492.9	491.5	490.8	491.2	490.5	491.8	492.5	492.2	492.5
37.5°	415.5	414.0	414.7	415.8	419.3	423.9	428.1	434.4	438.5	442.8	446.6
40°	324.2	325.3	328.2	334.5	343.6	353.7	363.2	375.1	387.0	395.4	403.2
42.5°	244.7	247.8	254.8	263.9	277.7	292.7	307.5	325.0	339.4	353.4	363.2
45°	184.0	188.2	197.3	210.0	225.1	242.6	261.2	280.8	298.0	312.4	323.2
47.5°	143.4	147.3	156.4	169.6	188.2	206.4	225.8	246.2	263.9	278.0	287.4
50°	113.2	118.1	126.2	140.2	158.8	178.1	198.1	218.0	234.9	246.8	255.3
52.5°	89.1	93.6	101.4	116.1	135.0	154.2	172.8	192.5	207.2	218.7	224.3
55°	69.1	73.2	81.3	93.6	111.5	130.4	149.0	165.8	179.4	187.9	193.2
57.5°	52.5	55.7	61.3	73.6	89.8	107.3	123.1	139.8	150.4	156.4	159.9
60°	39.9	42.4	48.4	57.8	72.6	87.6	100.9	113.6	122.0	126.9	130.4
62.5°	30.2	33.0	37.1	45.2	56.5	68.7	79.9	89.4	96.4	99.6	102.0
65°	20.7	22.8	26.0	32.3	41.7	50.5	59.3	66.3	70.9	74.4	75.7
67.5°	15.4	16.9	18.6	23.5	30.2	37.1	43.1	48.0	53.0	54.3	56.8
70°	11.6	12.6	14.4	17.9	21.7	26.7	31.6	34.3	37.9	40.3	41.1
72.5°	7.3	7.6	9.5	11.6	14.7	17.9	21.0	23.5	25.6	27.0	27.7
75°	4.2	6.3	6.3	8.4	10.6	11.9	14.1	15.8	16.9	17.9	17.9
77.5°	2.8	3.8	4.2	5.3	6.3	8.1	9.8	10.9	11.9	12.3	12.3
80°	2.5	2.8	2.8	3.8	4.6	6.0	7.0	7.3	8.1	8.4	9.1
82.5°	1.0	1.3	1.8	2.8	3.2	3.2	4.2	4.6	5.3	5.6	5.6
85°	0.3	0.7	0.7	1.0	1.8	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: P244579

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	711.7	712.0	710.7	710.2	709.5	709.9	710.7
5°	698.7	699.1	697.6	696.3	696.3	695.9	696.3
7.5°	686.4	686.8	684.7	684.0	682.5	682.9	682.9
10°	674.1	674.1	670.9	670.6	669.6	669.3	669.3
12.5°	662.2	661.2	658.7	657.3	658.0	655.9	655.9
15°	651.7	649.9	646.8	645.8	643.9	643.3	643.3
17.5°	640.8	639.4	636.6	634.5	632.5	632.1	632.5
20°	630.3	628.9	625.4	624.0	622.2	622.2	621.6
22.5°	619.8	618.4	615.3	614.2	611.8	611.8	612.1
25°	609.0	607.8	604.4	603.7	603.3	601.9	602.7
27.5°	594.2	593.6	590.7	589.6	588.3	587.9	588.6
30°	567.2	566.2	564.1	563.1	560.6	560.9	561.6
32.5°	533.6	532.1	529.3	528.3	526.2	525.5	525.8
35°	491.5	490.5	488.0	488.0	485.9	485.2	485.9
37.5°	448.8	449.8	448.8	449.8	448.8	448.4	448.8
40°	408.4	412.3	413.0	416.8	415.5	417.5	417.2
42.5°	369.9	376.2	378.7	381.7	381.0	382.5	383.5
45°	331.0	336.2	338.6	340.8	341.1	341.8	342.1
47.5°	294.1	298.3	298.7	301.2	300.8	300.8	301.8
50°	259.8	262.6	263.2	265.0	263.6	262.9	263.2
52.5°	227.9	230.6	230.0	230.6	228.9	228.3	228.6
55°	195.3	196.6	196.6	196.6	194.6	194.6	194.6
57.5°	162.0	162.3	161.7	162.0	161.7	159.5	159.2
60°	131.5	131.5	131.1	131.5	130.4	129.4	129.4
62.5°	102.7	103.4	104.8	103.4	102.7	103.4	102.4
65°	76.7	78.2	77.9	78.5	78.2	78.2	77.5
67.5°	57.8	58.2	58.5	59.0	59.0	59.0	59.0
70°	42.4	43.4	43.1	43.1	43.1	43.1	45.2
72.5°	28.4	29.8	29.5	30.2	30.2	30.8	30.2
75°	19.2	20.7	20.0	21.0	20.7	20.0	21.7
77.5°	12.9	13.7	14.1	14.4	14.1	13.7	14.1
80°	9.1	9.8	9.5	9.8	9.8	9.8	10.1
82.5°	5.6	6.6	6.3	6.6	6.3	6.6	6.6
85°	3.8	4.2	3.5	4.2	3.8	3.8	4.6
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)