

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: P245815

Luminaire Tested: **LSR8B15D010 EC8B15827 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245815
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 EC8B15827 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1341.0 lumens
Efficiency: N/A
Efficacy: 93.1 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

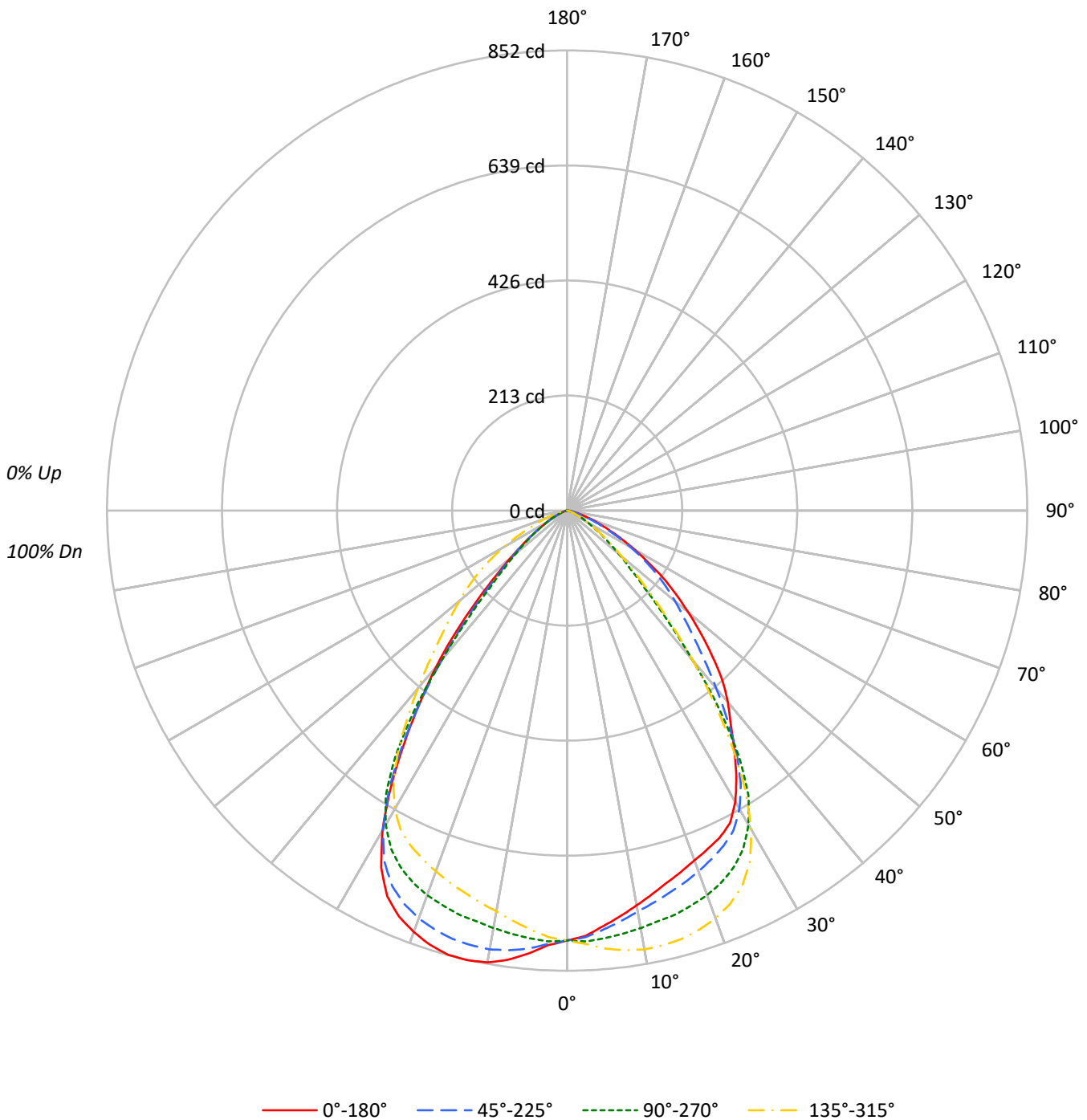
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	24549	24549	24549	24549
5°	23897	24605	25485	24605
10°	23237	24574	26596	24574
15°	22771	24719	27177	24719
20°	22616	24861	27247	24861
25°	22735	24810	26808	24810
30°	22172	23903	24334	23903
35°	20283	20851	19786	20851
40°	18621	14503	15148	14503
45°	16545	8848	10239	8848
50°	14003	5910	6563	5910
55°	11596	4032	4263	4032
60°	8844	2683	2707	2683
65°	6268	1671	1532	1671
70°	4517	1118	1019	1118
75°	2871	560	465	560
80°	2007	408	337	408
85°	1804	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	5.7
10°-20°	219.4	16.4
20°-30°	332.3	24.8
30°-40°	333.0	24.8
40°-50°	209.1	15.6
50°-60°	111.4	8.3
60°-70°	45.8	3.4
70°-80°	12.1	0.9
80°-90°	2.1	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°	627.5	46.8
0°-40°	960.5	71.6
0°-60°	1281.0	95.5
0°-90°	1341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1341.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	796	796	796	796	796	
5°	772	795	823	795	772	73
15°	713	774	851	774	713	202
25°	668	729	788	729	668	306
35°	539	554	526	554	539	338
45°	379	203	235	203	379	292
55°	216	75	79	75	216	192
65°	86	23	21	23	86	89
75°	24	5	4	5	24	27
85°	5	0	0	0	5	6
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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	787.9	787.2	786.8	787.6	787.9	789.5	789.1	789.9	789.9	790.3	791.1
5°	772.0	771.6	772.0	772.0	773.6	775.1	774.7	775.9	776.7	778.6	779.4
7.5°	757.2	757.2	756.8	758.4	759.2	761.5	761.1	763.1	764.2	766.2	768.9
10°	742.1	742.1	742.5	743.6	744.0	747.5	747.5	750.2	751.8	753.7	757.2
12.5°	727.3	727.3	729.6	728.9	730.4	733.1	734.3	737.0	739.4	743.2	746.7
15°	713.3	713.3	714.1	716.0	717.2	720.7	722.6	725.8	728.5	732.4	737.4
17.5°	701.3	700.9	701.3	703.6	705.9	709.0	710.6	714.5	717.2	722.3	726.9
20°	689.2	690.0	690.0	691.9	693.5	697.4	698.9	703.2	706.3	711.0	716.4
22.5°	678.7	678.3	678.3	681.1	682.2	685.7	687.3	691.1	694.7	698.5	703.6
25°	668.2	667.4	669.0	669.4	670.2	674.0	675.2	677.9	681.4	684.9	690.0
27.5°	652.7	651.9	652.3	653.8	655.0	658.1	658.9	661.6	664.3	667.4	671.7
30°	622.7	622.0	621.6	624.3	625.5	627.8	629.0	633.6	634.4	637.9	641.0
32.5°	583.1	582.7	583.5	585.8	587.0	590.1	591.6	594.4	596.3	598.2	601.4
35°	538.8	538.0	538.8	541.1	541.1	543.8	545.0	546.2	545.8	546.2	545.4
37.5°	497.6	497.2	497.6	498.7	497.6	498.7	497.6	495.2	491.0	486.3	481.6
40°	462.6	463.0	460.6	462.2	457.9	457.1	452.9	447.0	438.5	429.2	415.9
42.5°	425.3	424.1	422.6	423.3	419.8	417.1	410.1	402.7	391.8	376.3	360.3
45°	379.4	379.0	378.2	377.8	375.5	372.8	367.0	358.4	346.4	330.4	311.4
47.5°	334.7	333.5	333.5	333.9	331.2	330.8	326.1	318.8	308.3	292.7	272.9
50°	291.9	291.5	292.3	293.9	291.9	291.2	288.1	283.0	273.7	260.5	241.8
52.5°	253.4	253.1	253.8	255.8	255.0	255.8	252.7	248.8	242.6	229.7	213.4
55°	215.7	215.7	215.7	218.1	218.1	218.1	216.5	214.2	208.4	199.0	183.9
57.5°	176.5	176.9	179.2	179.6	179.2	180.0	179.6	177.3	173.4	166.8	155.1
60°	143.4	143.4	144.6	145.8	145.4	145.8	145.8	144.6	140.7	135.3	126.0
62.5°	113.5	114.7	113.9	114.7	116.2	114.7	113.9	113.1	110.4	106.9	99.1
65°	85.9	86.7	86.7	87.1	86.3	86.7	85.1	84.0	82.4	78.5	73.5
67.5°	65.3	65.3	65.3	65.3	64.9	64.5	64.1	63.0	60.3	58.7	53.2
70°	50.1	47.8	47.8	47.8	47.8	48.2	47.0	45.5	44.7	42.0	38.1
72.5°	33.4	34.2	33.4	33.4	32.7	33.0	31.5	30.7	29.9	28.4	26.0
75°	24.1	22.2	22.9	23.3	22.2	22.9	21.4	19.8	19.8	18.7	17.5
77.5°	15.6	15.2	15.6	15.9	15.6	15.2	14.4	13.6	13.6	13.2	12.0
80°	11.3	10.9	10.9	10.9	10.5	10.9	10.1	10.1	9.3	8.9	8.2
82.5°	7.4	7.4	7.0	7.4	7.0	7.4	6.2	6.2	6.2	5.8	5.1
85°	5.1	4.3	4.3	4.7	3.9	4.7	4.3	3.9	3.5	3.5	3.1
87.5°	2.3	2.7	2.3	2.7	2.3	2.3	2.7	2.3	2.3	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	792.2	792.6	792.6	794.2	794.9	795.3	795.3	798.4	797.3	798.1	798.8
5°	781.0	783.3	784.1	784.1	788.3	789.9	791.4	794.9	795.3	797.7	800.4
7.5°	770.1	772.8	774.3	777.8	780.6	783.3	787.9	790.3	792.6	795.7	799.2
10°	759.6	762.7	765.8	768.5	772.8	776.3	779.4	784.8	787.6	791.8	796.5
12.5°	749.5	753.7	756.5	761.1	765.8	768.9	773.6	778.6	782.9	787.2	792.6
15°	740.5	745.6	748.7	753.7	758.8	763.1	768.1	774.3	777.5	782.5	787.6
17.5°	730.8	736.3	740.1	744.8	751.0	755.7	760.0	766.2	770.1	775.5	781.3
20°	720.7	726.1	730.8	735.5	741.7	746.3	751.4	757.6	761.9	767.3	772.0
22.5°	708.7	713.7	718.7	724.2	730.4	734.3	740.1	745.6	750.2	755.3	760.0
25°	693.1	699.3	703.2	708.3	713.3	717.6	723.8	729.2	733.1	737.8	742.1
27.5°	674.8	679.5	682.6	686.9	691.9	695.8	700.5	705.9	709.8	714.1	717.2
30°	643.7	648.0	650.7	653.8	658.9	662.4	666.3	671.3	674.0	677.2	679.9
32.5°	602.9	606.4	608.0	610.3	613.8	617.3	620.4	624.7	625.9	627.8	627.8
35°	543.8	544.6	544.2	545.0	546.6	548.5	551.2	553.9	555.5	555.5	554.3
37.5°	474.6	470.0	464.9	461.0	459.9	459.1	460.6	461.8	463.4	464.1	462.2
40°	402.7	392.2	381.0	370.8	363.8	360.7	359.6	360.3	360.3	363.1	363.1
42.5°	340.9	324.6	307.9	292.7	282.6	274.8	271.3	271.3	271.7	273.7	274.8
45°	289.6	269.0	249.6	232.9	218.9	208.7	204.1	202.9	202.5	203.3	206.0
47.5°	250.3	229.0	208.7	188.1	173.4	163.3	159.0	157.4	155.9	157.4	157.8
50°	219.6	197.5	176.1	155.5	139.9	131.0	125.6	123.2	122.8	122.8	123.6
52.5°	191.6	171.0	149.7	128.7	112.3	103.8	98.7	97.6	96.0	97.6	97.6
55°	165.2	144.6	123.6	103.8	90.2	81.2	76.6	75.0	74.2	75.4	75.4
57.5°	136.5	118.9	99.5	81.6	68.0	61.8	58.3	56.4	56.0	56.8	56.0
60°	112.0	97.2	80.5	64.1	53.6	47.0	44.3	43.5	42.8	43.5	43.5
62.5°	88.6	76.2	62.6	50.1	41.2	36.5	33.4	33.4	33.0	33.0	33.4
65°	65.7	56.0	46.3	35.8	28.8	25.3	22.9	22.9	22.5	22.9	22.5
67.5°	47.8	41.2	33.4	26.0	20.6	18.7	17.1	15.9	16.7	15.9	15.6
70°	35.0	29.5	24.1	19.8	15.9	14.0	12.8	12.4	11.7	11.7	11.7
72.5°	23.3	19.8	16.3	12.8	10.5	8.5	8.2	7.4	6.6	7.0	7.8
75°	15.6	13.2	11.7	9.3	7.0	7.0	4.7	4.7	3.9	4.7	3.5
77.5°	10.9	8.9	7.0	5.8	4.7	4.3	3.1	3.1	2.7	2.7	2.7
80°	7.8	6.6	5.1	4.3	3.1	3.1	2.7	2.3	1.9	1.9	2.3
82.5°	4.7	3.5	3.5	3.1	1.9	1.6	1.2	1.6	0.8	0.8	0.8
85°	2.7	2.3	1.9	1.2	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.6	0.8	0.8	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.8
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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	800.8	800.4	801.2	801.2	803.5	803.1	804.3	804.3	803.5	803.9	805.4
5°	803.5	804.7	807.0	808.9	812.4	814.0	815.9	817.9	818.3	819.4	820.6
7.5°	803.5	807.4	810.1	813.6	818.3	821.0	825.3	828.8	830.3	832.3	834.6
10°	801.9	805.8	810.9	814.8	820.6	824.9	829.1	834.6	836.9	840.0	843.2
12.5°	798.8	803.1	808.5	813.6	820.2	824.1	829.5	834.6	838.1	842.4	845.9
15°	794.2	799.2	804.3	809.3	816.3	821.0	826.0	831.9	835.4	840.0	843.2
17.5°	786.8	792.2	796.9	801.5	808.2	813.6	818.3	823.7	827.2	831.1	835.4
20°	777.8	782.9	787.9	791.8	798.4	803.1	808.2	813.2	815.9	816.7	823.3
22.5°	766.6	770.1	773.9	780.2	784.1	788.3	793.0	797.7	800.4	804.7	807.0
25°	747.9	751.4	755.7	758.4	763.1	766.6	771.2	776.3	777.8	781.0	783.3
27.5°	721.9	723.8	725.8	728.1	730.8	732.7	735.5	737.8	739.4	740.9	742.5
30°	680.7	680.7	680.7	679.1	680.3	681.4	681.8	681.4	681.4	681.1	681.1
32.5°	626.2	623.1	619.6	616.5	615.4	613.8	613.0	611.9	609.9	608.7	609.1
35°	552.8	545.8	541.5	537.6	534.5	532.2	531.0	529.8	529.4	527.9	526.3
37.5°	461.0	456.0	452.9	450.5	447.8	445.5	445.9	446.3	447.4	446.6	447.0
40°	363.8	362.7	363.8	361.1	360.3	361.1	363.1	365.8	367.4	368.9	371.6
42.5°	276.8	278.7	281.4	281.4	282.6	284.2	286.5	290.8	293.1	295.8	298.9
45°	208.4	210.7	214.2	215.3	216.1	218.1	220.8	224.3	225.8	228.2	230.9
47.5°	160.5	162.1	164.0	166.0	167.9	168.7	171.4	171.4	173.4	174.9	175.7
50°	125.2	126.7	128.3	129.4	130.2	131.4	132.2	133.3	133.7	134.5	134.9
52.5°	98.0	99.9	99.9	100.7	101.8	103.0	102.6	103.0	103.4	103.4	104.6
55°	76.6	76.6	77.7	77.7	78.5	78.1	78.5	78.5	78.5	78.5	78.9
57.5°	57.1	57.5	58.7	57.9	57.5	58.3	57.5	58.3	57.9	58.7	57.5
60°	43.9	43.9	44.3	44.3	44.7	44.7	44.7	44.3	44.3	43.9	43.9
62.5°	33.0	33.4	33.8	33.4	33.4	33.4	33.0	33.0	32.7	32.3	32.3
65°	22.2	21.8	22.5	21.8	22.2	22.2	21.8	22.2	21.0	21.4	21.0
67.5°	15.9	15.6	15.2	15.6	15.2	14.8	14.8	15.2	15.6	14.4	14.4
70°	10.5	10.9	10.5	10.9	11.3	11.3	10.9	10.5	10.9	10.1	10.5
72.5°	6.6	6.6	6.6	6.6	6.6	7.0	7.0	7.0	6.2	6.2	5.8
75°	3.1	4.3	3.5	3.1	4.3	4.3	3.9	3.9	3.5	3.5	3.5
77.5°	3.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.9	2.3	1.9
80°	1.6	1.6	1.6	1.2	1.6	1.6	1.9	1.6	1.6	1.2	1.9
82.5°	0.8	0.8	0.8	0.0	0.4	0.8	0.8	0.4	0.8	0.8	0.4
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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	805.1	804.7	805.1	805.4	805.1	804.7	805.1	805.4	803.9	803.5	804.3
5°	822.2	822.2	822.9	823.3	822.9	822.2	822.2	820.6	819.4	818.3	817.9
7.5°	836.9	837.7	838.5	838.9	838.5	837.7	836.9	834.6	832.3	830.3	828.8
10°	845.9	847.0	848.6	849.4	848.6	847.0	845.9	843.2	840.0	836.9	834.6
12.5°	849.8	850.9	852.9	852.5	852.9	850.9	849.8	845.9	842.4	838.1	834.6
15°	847.0	848.6	850.5	851.3	850.5	848.6	847.0	843.2	840.0	835.4	831.9
17.5°	838.5	840.8	842.0	843.2	842.0	840.8	838.5	835.4	831.1	827.2	823.7
20°	826.8	828.4	829.9	830.3	829.9	828.4	826.8	823.3	816.7	815.9	813.2
22.5°	810.1	811.3	814.8	813.6	814.8	811.3	810.1	807.0	804.7	800.4	797.7
25°	786.0	787.2	787.6	787.9	787.6	787.2	786.0	783.3	781.0	777.8	776.3
27.5°	744.4	744.4	745.2	745.6	745.2	744.4	744.4	742.5	740.9	739.4	737.8
30°	681.4	681.4	681.4	683.4	681.4	681.4	681.4	681.1	681.1	681.4	681.4
32.5°	608.7	608.0	607.2	608.0	607.2	608.0	608.7	609.1	608.7	609.9	611.9
35°	526.3	525.9	527.1	525.6	527.1	525.9	526.3	526.3	527.9	529.4	529.8
37.5°	447.4	446.6	448.2	446.6	448.2	446.6	447.4	447.0	446.6	447.4	446.3
40°	372.4	373.2	373.2	376.3	373.2	373.2	372.4	371.6	368.9	367.4	365.8
42.5°	300.5	302.8	302.0	304.4	302.0	302.8	300.5	298.9	295.8	293.1	290.8
45°	232.5	234.0	234.0	234.8	234.0	234.0	232.5	230.9	228.2	225.8	224.3
47.5°	178.4	178.4	178.4	178.8	178.4	178.4	178.4	175.7	174.9	173.4	171.4
50°	135.7	136.1	136.5	136.8	136.5	136.1	135.7	134.9	134.5	133.7	133.3
52.5°	104.2	104.6	103.8	104.6	103.8	104.6	104.2	104.6	103.4	103.4	103.0
55°	78.9	78.5	78.9	79.3	78.9	78.5	78.9	78.9	78.5	78.5	78.5
57.5°	57.9	57.1	57.1	57.1	57.1	57.1	57.9	57.5	58.7	57.9	58.3
60°	43.2	43.5	43.5	43.9	43.5	43.5	43.2	43.9	43.9	44.3	44.3
62.5°	31.9	33.0	32.3	33.0	32.3	33.0	31.9	32.3	32.3	32.7	33.0
65°	20.6	20.6	20.6	21.0	20.6	20.6	20.6	21.0	21.4	21.0	22.2
67.5°	14.0	14.4	15.2	14.8	15.2	14.4	14.0	14.4	14.4	15.6	15.2
70°	11.3	10.1	10.1	11.3	10.1	10.1	11.3	10.5	10.1	10.9	10.5
72.5°	6.6	5.8	6.6	6.6	6.6	5.8	6.6	5.8	6.2	6.2	7.0
75°	3.5	3.1	2.7	3.9	2.7	3.1	3.5	3.5	3.5	3.5	3.9
77.5°	2.3	1.9	2.7	2.7	2.7	1.9	2.3	1.9	2.3	1.9	2.3
80°	1.2	1.6	1.2	1.9	1.2	1.6	1.2	1.9	1.2	1.6	1.6
82.5°	0.4	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.8	0.4
85°	0.0	0.8	0.4	0.4	0.4	0.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	804.3	803.1	803.5	801.2	801.2	800.4	800.8	798.8	798.1	797.3	798.4
5°	815.9	814.0	812.4	808.9	807.0	804.7	803.5	800.4	797.7	795.3	794.9
7.5°	825.3	821.0	818.3	813.6	810.1	807.4	803.5	799.2	795.7	792.6	790.3
10°	829.1	824.9	820.6	814.8	810.9	805.8	801.9	796.5	791.8	787.6	784.8
12.5°	829.5	824.1	820.2	813.6	808.5	803.1	798.8	792.6	787.2	782.9	778.6
15°	826.0	821.0	816.3	809.3	804.3	799.2	794.2	787.6	782.5	777.5	774.3
17.5°	818.3	813.6	808.2	801.5	796.9	792.2	786.8	781.3	775.5	770.1	766.2
20°	808.2	803.1	798.4	791.8	787.9	782.9	777.8	772.0	767.3	761.9	757.6
22.5°	793.0	788.3	784.1	780.2	773.9	770.1	766.6	760.0	755.3	750.2	745.6
25°	771.2	766.6	763.1	758.4	755.7	751.4	747.9	742.1	737.8	733.1	729.2
27.5°	735.5	732.7	730.8	728.1	725.8	723.8	721.9	717.2	714.1	709.8	705.9
30°	681.8	681.4	680.3	679.1	680.7	680.7	680.7	679.9	677.2	674.0	671.3
32.5°	613.0	613.8	615.4	616.5	619.6	623.1	626.2	627.8	627.8	625.9	624.7
35°	531.0	532.2	534.5	537.6	541.5	545.8	552.8	554.3	555.5	555.5	553.9
37.5°	445.9	445.5	447.8	450.5	452.9	456.0	461.0	462.2	464.1	463.4	461.8
40°	363.1	361.1	360.3	361.1	363.8	362.7	363.8	363.1	363.1	360.3	360.3
42.5°	286.5	284.2	282.6	281.4	281.4	278.7	276.8	274.8	273.7	271.7	271.3
45°	220.8	218.1	216.1	215.3	214.2	210.7	208.4	206.0	203.3	202.5	202.9
47.5°	171.4	168.7	167.9	166.0	164.0	162.1	160.5	157.8	157.4	155.9	157.4
50°	132.2	131.4	130.2	129.4	128.3	126.7	125.2	123.6	122.8	122.8	123.2
52.5°	102.6	103.0	101.8	100.7	99.9	99.9	98.0	97.6	97.6	96.0	97.6
55°	78.5	78.1	78.5	77.7	77.7	76.6	76.6	75.4	75.4	74.2	75.0
57.5°	57.5	58.3	57.5	57.9	58.7	57.5	57.1	56.0	56.8	56.0	56.4
60°	44.7	44.7	44.7	44.3	44.3	43.9	43.9	43.5	43.5	42.8	43.5
62.5°	33.0	33.4	33.4	33.4	33.8	33.4	33.0	33.4	33.0	33.0	33.4
65°	21.8	22.2	22.2	21.8	22.5	21.8	22.2	22.5	22.9	22.5	22.9
67.5°	14.8	14.8	15.2	15.6	15.2	15.6	15.9	15.6	15.9	16.7	15.9
70°	10.9	11.3	11.3	10.9	10.5	10.9	10.5	11.7	11.7	11.7	12.4
72.5°	7.0	7.0	6.6	6.6	6.6	6.6	6.6	7.8	7.0	6.6	7.4
75°	3.9	4.3	4.3	3.1	3.5	4.3	3.1	3.5	4.7	3.9	4.7
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.1	2.7	2.7	2.7	3.1
80°	1.9	1.6	1.6	1.2	1.6	1.6	1.6	2.3	1.9	1.9	2.3
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	795.3	795.3	794.9	794.2	792.6	792.6	792.2	791.1	790.3	789.9	789.9
5°	791.4	789.9	788.3	784.1	784.1	783.3	781.0	779.4	778.6	776.7	775.9
7.5°	787.9	783.3	780.6	777.8	774.3	772.8	770.1	768.9	766.2	764.2	763.1
10°	779.4	776.3	772.8	768.5	765.8	762.7	759.6	757.2	753.7	751.8	750.2
12.5°	773.6	768.9	765.8	761.1	756.5	753.7	749.5	746.7	743.2	739.4	737.0
15°	768.1	763.1	758.8	753.7	748.7	745.6	740.5	737.4	732.4	728.5	725.8
17.5°	760.0	755.7	751.0	744.8	740.1	736.3	730.8	726.9	722.3	717.2	714.5
20°	751.4	746.3	741.7	735.5	730.8	726.1	720.7	716.4	711.0	706.3	703.2
22.5°	740.1	734.3	730.4	724.2	718.7	713.7	708.7	703.6	698.5	694.7	691.1
25°	723.8	717.6	713.3	708.3	703.2	699.3	693.1	690.0	684.9	681.4	677.9
27.5°	700.5	695.8	691.9	686.9	682.6	679.5	674.8	671.7	667.4	664.3	661.6
30°	666.3	662.4	658.9	653.8	650.7	648.0	643.7	641.0	637.9	634.4	633.6
32.5°	620.4	617.3	613.8	610.3	608.0	606.4	602.9	601.4	598.2	596.3	594.4
35°	551.2	548.5	546.6	545.0	544.2	544.6	543.8	545.4	546.2	545.8	546.2
37.5°	460.6	459.1	459.9	461.0	464.9	470.0	474.6	481.6	486.3	491.0	495.2
40°	359.6	360.7	363.8	370.8	381.0	392.2	402.7	415.9	429.2	438.5	447.0
42.5°	271.3	274.8	282.6	292.7	307.9	324.6	340.9	360.3	376.3	391.8	402.7
45°	204.1	208.7	218.9	232.9	249.6	269.0	289.6	311.4	330.4	346.4	358.4
47.5°	159.0	163.3	173.4	188.1	208.7	229.0	250.3	272.9	292.7	308.3	318.8
50°	125.6	131.0	139.9	155.5	176.1	197.5	219.6	241.8	260.5	273.7	283.0
52.5°	98.7	103.8	112.3	128.7	149.7	171.0	191.6	213.4	229.7	242.6	248.8
55°	76.6	81.2	90.2	103.8	123.6	144.6	165.2	183.9	199.0	208.4	214.2
57.5°	58.3	61.8	68.0	81.6	99.5	118.9	136.5	155.1	166.8	173.4	177.3
60°	44.3	47.0	53.6	64.1	80.5	97.2	112.0	126.0	135.3	140.7	144.6
62.5°	33.4	36.5	41.2	50.1	62.6	76.2	88.6	99.1	106.9	110.4	113.1
65°	22.9	25.3	28.8	35.8	46.3	56.0	65.7	73.5	78.5	82.4	84.0
67.5°	17.1	18.7	20.6	26.0	33.4	41.2	47.8	53.2	58.7	60.3	63.0
70°	12.8	14.0	15.9	19.8	24.1	29.5	35.0	38.1	42.0	44.7	45.5
72.5°	8.2	8.5	10.5	12.8	16.3	19.8	23.3	26.0	28.4	29.9	30.7
75°	4.7	7.0	7.0	9.3	11.7	13.2	15.6	17.5	18.7	19.8	19.8
77.5°	3.1	4.3	4.7	5.8	7.0	8.9	10.9	12.0	13.2	13.6	13.6
80°	2.7	3.1	3.1	4.3	5.1	6.6	7.8	8.2	8.9	9.3	10.1
82.5°	1.2	1.6	1.9	3.1	3.5	3.5	4.7	5.1	5.8	6.2	6.2
85°	0.4	0.8	0.8	1.2	1.9	2.3	2.7	3.1	3.5	3.5	3.9
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.6	1.6	1.6	2.3	2.3
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: P245815

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	789.1	789.5	787.9	787.6	786.8	787.2	787.9
5°	774.7	775.1	773.6	772.0	772.0	771.6	772.0
7.5°	761.1	761.5	759.2	758.4	756.8	757.2	757.2
10°	747.5	747.5	744.0	743.6	742.5	742.1	742.1
12.5°	734.3	733.1	730.4	728.9	729.6	727.3	727.3
15°	722.6	720.7	717.2	716.0	714.1	713.3	713.3
17.5°	710.6	709.0	705.9	703.6	701.3	700.9	701.3
20°	698.9	697.4	693.5	691.9	690.0	690.0	689.2
22.5°	687.3	685.7	682.2	681.1	678.3	678.3	678.7
25°	675.2	674.0	670.2	669.4	669.0	667.4	668.2
27.5°	658.9	658.1	655.0	653.8	652.3	651.9	652.7
30°	629.0	627.8	625.5	624.3	621.6	622.0	622.7
32.5°	591.6	590.1	587.0	585.8	583.5	582.7	583.1
35°	545.0	543.8	541.1	541.1	538.8	538.0	538.8
37.5°	497.6	498.7	497.6	498.7	497.6	497.2	497.6
40°	452.9	457.1	457.9	462.2	460.6	463.0	462.6
42.5°	410.1	417.1	419.8	423.3	422.6	424.1	425.3
45°	367.0	372.8	375.5	377.8	378.2	379.0	379.4
47.5°	326.1	330.8	331.2	333.9	333.5	333.5	334.7
50°	288.1	291.2	291.9	293.9	292.3	291.5	291.9
52.5°	252.7	255.8	255.0	255.8	253.8	253.1	253.4
55°	216.5	218.1	218.1	218.1	215.7	215.7	215.7
57.5°	179.6	180.0	179.2	179.6	179.2	176.9	176.5
60°	145.8	145.8	145.4	145.8	144.6	143.4	143.4
62.5°	113.9	114.7	116.2	114.7	113.9	114.7	113.5
65°	85.1	86.7	86.3	87.1	86.7	86.7	85.9
67.5°	64.1	64.5	64.9	65.3	65.3	65.3	65.3
70°	47.0	48.2	47.8	47.8	47.8	47.8	50.1
72.5°	31.5	33.0	32.7	33.4	33.4	34.2	33.4
75°	21.4	22.9	22.2	23.3	22.9	22.2	24.1
77.5°	14.4	15.2	15.6	15.9	15.6	15.2	15.6
80°	10.1	10.9	10.5	10.9	10.9	10.9	11.3
82.5°	6.2	7.4	7.0	7.4	7.0	7.4	7.4
85°	4.3	4.7	3.9	4.7	4.3	4.3	5.1
87.5°	2.7	2.3	2.3	2.7	2.3	2.7	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)