

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: P245875

Luminaire Tested: **LD8B15D010 ER8B15927 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245875
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: LD8B15D010 ER8B15927 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1119.4 lumens
Efficiency: N/A
Efficacy: 77.7 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

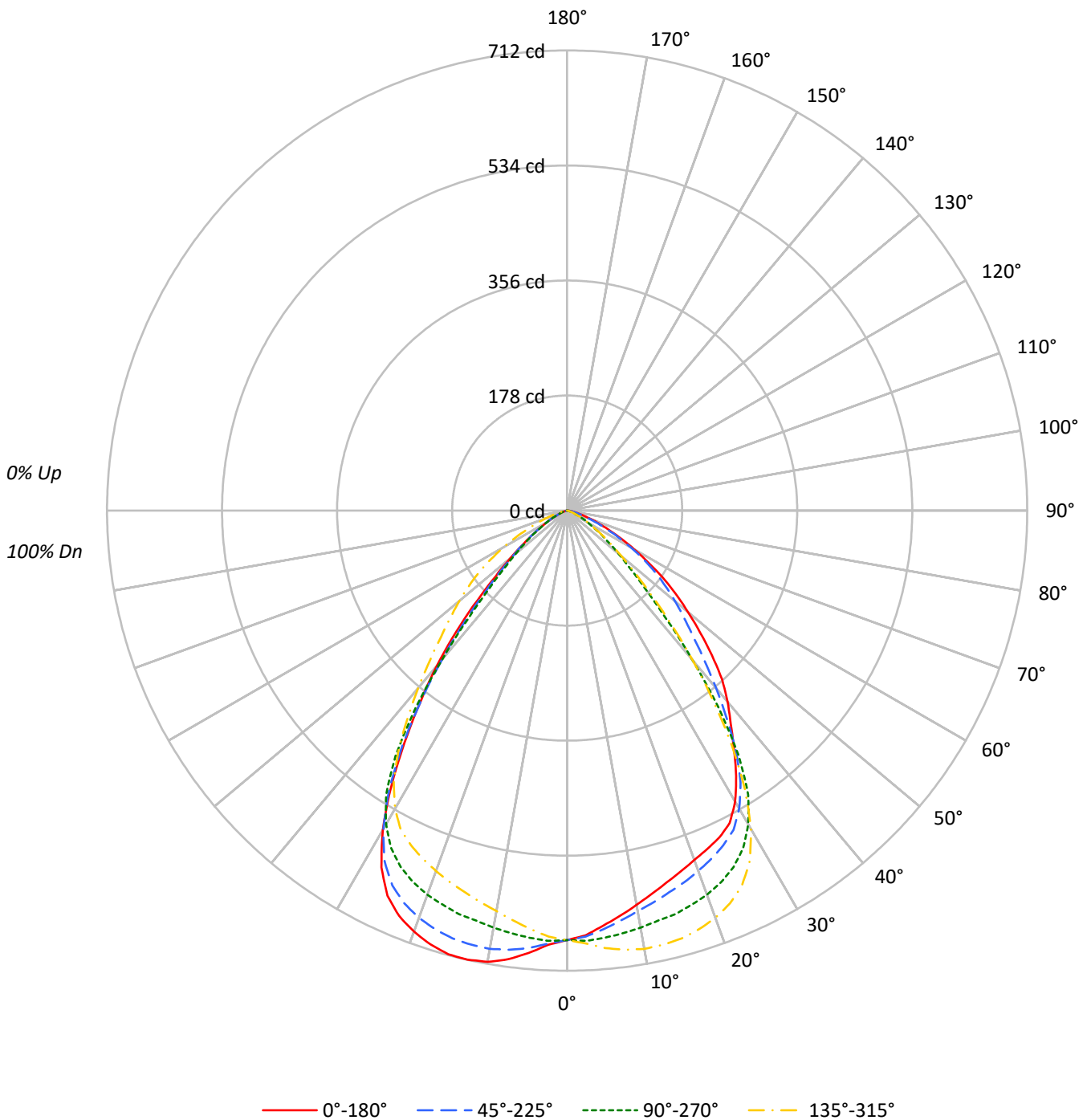
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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°	63.3	5.7
10°-20°	183.2	16.4
20°-30°	277.3	24.8
30°-40°	278.0	24.8
40°-50°	174.6	15.6
50°-60°	93.0	8.3
60°-70°	38.3	3.4
70°-80°	10.1	0.9
80°-90°	1.7	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°	523.8	46.8
0°-40°	801.7	71.6
0°-60°	1069.3	95.5
0°-90°	1119.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1119.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	664	664	664	664	664	
5°	644	664	687	664	644	61
15°	596	646	711	646	596	168
25°	558	609	658	609	558	256
35°	450	462	439	462	450	282
45°	317	169	196	169	317	244
55°	180	63	66	63	180	161
65°	72	19	18	19	72	74
75°	20	4	3	4	20	23
85°	4	0	0	0	4	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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	657.7	657.1	656.8	657.4	657.7	659.0	658.7	659.4	659.4	659.7	660.3
5°	644.4	644.1	644.4	644.4	645.8	647.0	646.6	647.7	648.3	649.9	650.6
7.5°	632.1	632.1	631.8	633.0	633.7	635.6	635.3	637.0	638.0	639.6	641.8
10°	619.4	619.4	619.8	620.8	621.1	623.9	623.9	626.3	627.5	629.2	632.1
12.5°	607.2	607.2	609.1	608.4	609.8	612.0	612.9	615.3	617.2	620.4	623.4
15°	595.5	595.5	596.0	597.7	598.6	601.5	603.2	605.8	608.1	611.3	615.6
17.5°	585.3	585.0	585.3	587.4	589.3	591.9	593.1	596.4	598.6	602.9	606.8
20°	575.3	576.0	576.0	577.6	578.9	582.1	583.4	587.0	589.6	593.4	598.1
22.5°	566.6	566.2	566.2	568.5	569.5	572.4	573.6	576.9	579.8	583.1	587.4
25°	557.8	557.1	558.4	558.8	559.4	562.6	563.6	565.9	568.8	571.7	576.0
27.5°	544.8	544.2	544.5	545.7	546.8	549.3	550.0	552.3	554.5	557.1	560.7
30°	519.9	519.2	518.8	521.1	522.1	524.0	525.0	528.9	529.5	532.5	535.1
32.5°	486.7	486.4	487.0	489.0	489.9	492.5	493.9	496.1	497.7	499.4	502.0
35°	449.8	449.1	449.8	451.7	451.7	453.9	455.0	455.8	455.6	455.8	455.3
37.5°	415.4	415.0	415.4	416.2	415.4	416.2	415.4	413.4	409.8	405.9	402.1
40°	386.1	386.4	384.5	385.8	382.3	381.6	378.0	373.2	366.1	358.2	347.2
42.5°	354.9	354.0	352.7	353.4	350.4	348.2	342.3	336.2	327.0	314.1	300.8
45°	316.7	316.3	315.7	315.4	313.4	311.2	306.3	299.1	289.1	275.8	259.9
47.5°	279.3	278.4	278.4	278.8	276.4	276.2	272.2	266.1	257.3	244.4	227.8
50°	243.7	243.3	244.0	245.4	243.7	243.0	240.4	236.2	228.5	217.5	201.8
52.5°	211.6	211.3	211.8	213.5	212.8	213.5	210.9	207.7	202.5	191.8	178.1
55°	180.1	180.1	180.1	182.0	182.0	182.0	180.8	178.8	173.9	166.2	153.5
57.5°	147.3	147.6	149.6	150.0	149.6	150.2	150.0	147.9	144.7	139.2	129.5
60°	119.7	119.7	120.7	121.7	121.4	121.7	121.7	120.7	117.4	113.0	105.2
62.5°	94.7	95.7	95.1	95.7	97.0	95.7	95.1	94.4	92.1	89.2	82.7
65°	71.7	72.3	72.3	72.7	72.0	72.3	71.1	70.1	68.9	65.6	61.3
67.5°	54.6	54.6	54.6	54.6	54.2	53.9	53.6	52.5	50.3	49.1	44.4
70°	41.8	39.9	39.9	39.9	39.9	40.3	39.3	38.0	37.4	35.1	31.8
72.5°	27.9	28.6	27.9	27.9	27.2	27.6	26.3	25.6	25.0	23.7	21.7
75°	20.1	18.4	19.1	19.5	18.4	19.1	17.9	16.5	16.5	15.5	14.6
77.5°	12.9	12.7	12.9	13.3	12.9	12.7	12.0	11.4	11.4	11.0	10.0
80°	9.5	9.1	9.1	9.1	8.8	9.1	8.4	8.4	7.8	7.4	6.9
82.5°	6.2	6.2	5.9	6.2	5.9	6.2	5.2	5.2	5.2	4.8	4.3
85°	4.3	3.6	3.6	3.9	3.3	3.9	3.6	3.3	2.9	2.9	2.6
87.5°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	661.3	661.6	661.6	663.0	663.5	663.9	663.9	666.4	665.6	666.1	666.8
5°	651.9	653.8	654.5	654.5	658.0	659.4	660.6	663.5	663.9	665.9	668.1
7.5°	642.8	645.1	646.4	649.2	651.6	653.8	657.7	659.7	661.6	664.2	667.1
10°	634.1	636.6	639.2	641.5	645.1	648.0	650.6	655.1	657.4	660.9	664.9
12.5°	625.6	629.2	631.5	635.3	639.2	641.8	645.8	649.9	653.5	657.1	661.6
15°	618.2	622.4	624.9	629.2	633.4	637.0	641.1	646.4	649.0	653.2	657.4
17.5°	610.0	614.6	617.8	621.7	626.8	630.8	634.4	639.6	642.8	647.3	652.2
20°	601.5	606.2	610.0	613.9	619.1	623.0	627.2	632.4	636.0	640.6	644.4
22.5°	591.5	595.8	600.0	604.5	609.8	612.9	617.8	622.4	626.3	630.4	634.4
25°	578.6	583.8	587.0	591.2	595.5	598.9	604.2	608.7	612.0	615.8	619.4
27.5°	563.3	567.2	569.8	573.4	577.6	580.8	584.7	589.3	592.5	596.0	598.6
30°	537.3	540.9	543.2	545.7	550.0	552.9	556.2	560.4	562.6	565.2	567.6
32.5°	503.2	506.1	507.5	509.4	512.3	515.2	517.8	521.4	522.4	524.0	524.0
35°	453.9	454.6	454.3	455.0	456.2	457.9	460.1	462.4	463.7	463.7	462.7
37.5°	396.2	392.3	388.1	384.9	383.8	383.2	384.5	385.4	386.8	387.4	385.8
40°	336.2	327.4	318.0	309.6	303.8	301.2	300.2	300.8	300.8	303.1	303.1
42.5°	284.6	270.9	257.0	244.4	235.9	229.4	226.5	226.5	226.8	228.5	229.4
45°	241.8	224.6	208.4	194.4	182.7	174.3	170.3	169.4	169.1	169.6	172.0
47.5°	208.9	191.1	174.3	157.0	144.7	136.2	132.8	131.4	130.2	131.4	131.7
50°	183.4	164.8	147.0	129.8	116.8	109.4	104.8	102.8	102.5	102.5	103.2
52.5°	160.0	142.8	125.0	107.4	93.8	86.6	82.5	81.4	80.1	81.4	81.4
55°	137.9	120.7	103.2	86.6	75.3	67.8	63.9	62.7	62.0	63.0	63.0
57.5°	113.8	99.3	83.0	68.2	56.8	51.6	48.7	47.0	46.7	47.4	46.7
60°	93.5	81.1	67.2	53.6	44.8	39.3	37.0	36.3	35.7	36.3	36.3
62.5°	74.0	63.6	52.2	41.8	34.4	30.5	27.9	27.9	27.6	27.6	27.9
65°	54.8	46.7	38.6	29.8	24.0	21.0	19.1	19.1	18.8	19.1	18.8
67.5°	39.9	34.4	27.9	21.7	17.2	15.5	14.3	13.3	14.0	13.3	12.9
70°	29.2	24.6	20.1	16.5	13.3	11.7	10.7	10.4	9.8	9.8	9.8
72.5°	19.5	16.5	13.6	10.7	8.8	7.1	6.9	6.2	5.5	5.9	6.5
75°	12.9	11.0	9.8	7.8	5.9	5.9	3.9	3.9	3.3	3.9	2.9
77.5°	9.1	7.4	5.9	4.8	3.9	3.6	2.6	2.6	2.2	2.2	2.2
80°	6.5	5.5	4.3	3.6	2.6	2.6	2.2	1.9	1.6	1.6	1.9
82.5°	3.9	2.9	2.9	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.2	1.9	1.6	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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	668.5	668.1	668.8	668.8	670.7	670.4	671.4	671.4	670.7	671.1	672.3
5°	670.7	671.7	673.6	675.2	678.2	679.5	681.1	682.8	683.0	684.0	685.0
7.5°	670.7	674.0	676.2	679.2	683.0	685.4	688.8	691.8	693.1	694.7	696.7
10°	669.4	672.6	676.9	680.1	685.0	688.5	692.1	696.7	698.6	701.2	703.8
12.5°	666.8	670.4	674.9	679.2	684.7	687.9	692.4	696.7	699.6	703.1	706.1
15°	663.0	667.1	671.4	675.6	681.4	685.4	689.5	694.4	697.3	701.2	703.8
17.5°	656.8	661.3	665.2	669.0	674.6	679.2	683.0	687.6	690.5	693.8	697.3
20°	649.2	653.5	657.7	660.9	666.4	670.4	674.6	678.8	681.1	681.8	687.3
22.5°	639.9	642.8	646.1	651.3	654.5	658.0	661.9	665.9	668.1	671.7	673.6
25°	624.3	627.2	630.8	633.0	637.0	639.9	643.7	648.0	649.2	651.9	653.8
27.5°	602.6	604.2	605.8	607.7	610.0	611.7	613.9	615.8	617.2	618.4	619.8
30°	568.1	568.1	568.1	566.9	567.8	568.8	569.1	568.8	568.8	568.5	568.5
32.5°	522.8	520.2	517.3	514.6	513.7	512.3	511.6	510.8	509.1	508.2	508.5
35°	461.4	455.6	452.0	448.8	446.2	444.3	443.2	442.2	441.9	440.7	439.3
37.5°	384.9	380.6	378.0	376.1	373.8	371.8	372.2	372.5	373.5	372.8	373.2
40°	303.8	302.7	303.8	301.4	300.8	301.4	303.1	305.3	306.7	307.9	310.2
42.5°	231.1	232.6	234.9	234.9	235.9	237.2	239.2	242.7	244.7	246.9	249.5
45°	173.9	175.8	178.8	179.8	180.5	182.0	184.3	187.2	188.5	190.5	192.7
47.5°	134.0	135.3	136.9	138.6	140.2	140.8	143.1	143.1	144.7	146.0	146.7
50°	104.5	105.8	107.1	108.0	108.7	109.7	110.4	111.3	111.6	112.3	112.6
52.5°	81.8	83.4	83.4	84.0	85.0	86.0	85.6	86.0	86.3	86.3	87.3
55°	63.9	63.9	64.9	64.9	65.6	65.2	65.6	65.6	65.6	65.6	65.9
57.5°	47.7	48.0	49.1	48.4	48.0	48.7	48.0	48.7	48.4	49.1	48.0
60°	36.7	36.7	37.0	37.0	37.4	37.4	37.4	37.0	37.0	36.7	36.7
62.5°	27.6	27.9	28.2	27.9	27.9	27.9	27.6	27.6	27.2	26.9	26.9
65°	18.4	18.2	18.8	18.2	18.4	18.4	18.2	18.4	17.6	17.9	17.6
67.5°	13.3	12.9	12.7	12.9	12.7	12.4	12.4	12.7	12.9	12.0	12.0
70°	8.8	9.1	8.8	9.1	9.5	9.5	9.1	8.8	9.1	8.4	8.8
72.5°	5.5	5.5	5.5	5.5	5.5	5.9	5.9	5.9	5.2	5.2	4.8
75°	2.6	3.6	2.9	2.6	3.6	3.6	3.3	3.3	2.9	2.9	2.9
77.5°	2.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	672.0	671.7	672.0	672.3	672.0	671.7	672.0	672.3	671.1	670.7	671.4
5°	686.2	686.2	686.9	687.3	686.9	686.2	686.2	685.0	684.0	683.0	682.8
7.5°	698.6	699.3	699.9	700.2	699.9	699.3	698.6	696.7	694.7	693.1	691.8
10°	706.1	707.1	708.3	709.0	708.3	707.1	706.1	703.8	701.2	698.6	696.7
12.5°	709.3	710.3	711.9	711.6	711.9	710.3	709.3	706.1	703.1	699.6	696.7
15°	707.1	708.3	710.0	710.7	710.0	708.3	707.1	703.8	701.2	697.3	694.4
17.5°	699.9	701.9	702.8	703.8	702.8	701.9	699.9	697.3	693.8	690.5	687.6
20°	690.2	691.4	692.8	693.1	692.8	691.4	690.2	687.3	681.8	681.1	678.8
22.5°	676.2	677.2	680.1	679.2	680.1	677.2	676.2	673.6	671.7	668.1	665.9
25°	656.1	657.1	657.4	657.7	657.4	657.1	656.1	653.8	651.9	649.2	648.0
27.5°	621.3	621.3	622.0	622.4	622.0	621.3	621.3	619.8	618.4	617.2	615.8
30°	568.8	568.8	568.8	570.5	568.8	568.8	568.8	568.5	568.5	568.8	568.8
32.5°	508.2	507.5	506.8	507.5	506.8	507.5	508.2	508.5	508.2	509.1	510.8
35°	439.3	439.0	440.0	438.8	440.0	439.0	439.3	439.3	440.7	441.9	442.2
37.5°	373.5	372.8	374.2	372.8	374.2	372.8	373.5	373.2	372.8	373.5	372.5
40°	310.8	311.5	311.5	314.1	311.5	311.5	310.8	310.2	307.9	306.7	305.3
42.5°	250.9	252.8	252.1	254.0	252.1	252.8	250.9	249.5	246.9	244.7	242.7
45°	194.1	195.3	195.3	196.0	195.3	195.3	194.1	192.7	190.5	188.5	187.2
47.5°	149.0	149.0	149.0	149.3	149.0	149.0	149.0	146.7	146.0	144.7	143.1
50°	113.3	113.5	113.8	114.2	113.8	113.5	113.3	112.6	112.3	111.6	111.3
52.5°	87.0	87.3	86.6	87.3	86.6	87.3	87.0	87.3	86.3	86.3	86.0
55°	65.9	65.6	65.9	66.1	65.9	65.6	65.9	65.9	65.6	65.6	65.6
57.5°	48.4	47.7	47.7	47.7	47.7	47.7	48.4	48.0	49.1	48.4	48.7
60°	36.0	36.3	36.3	36.7	36.3	36.3	36.0	36.7	36.7	37.0	37.0
62.5°	26.6	27.6	26.9	27.6	26.9	27.6	26.6	26.9	26.9	27.2	27.6
65°	17.2	17.2	17.2	17.6	17.2	17.2	17.2	17.6	17.9	17.6	18.4
67.5°	11.7	12.0	12.7	12.4	12.7	12.0	11.7	12.0	12.0	12.9	12.7
70°	9.5	8.4	8.4	9.5	8.4	8.4	9.5	8.8	8.4	9.1	8.8
72.5°	5.5	4.8	5.5	5.5	5.5	4.8	5.5	4.8	5.2	5.2	5.9
75°	2.9	2.6	2.2	3.3	2.2	2.6	2.9	2.9	2.9	2.9	3.3
77.5°	1.9	1.6	2.2	2.2	2.2	1.6	1.9	1.6	1.9	1.6	1.9
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	671.4	670.4	670.7	668.8	668.8	668.1	668.5	666.8	666.1	665.6	666.4
5°	681.1	679.5	678.2	675.2	673.6	671.7	670.7	668.1	665.9	663.9	663.5
7.5°	688.8	685.4	683.0	679.2	676.2	674.0	670.7	667.1	664.2	661.6	659.7
10°	692.1	688.5	685.0	680.1	676.9	672.6	669.4	664.9	660.9	657.4	655.1
12.5°	692.4	687.9	684.7	679.2	674.9	670.4	666.8	661.6	657.1	653.5	649.9
15°	689.5	685.4	681.4	675.6	671.4	667.1	663.0	657.4	653.2	649.0	646.4
17.5°	683.0	679.2	674.6	669.0	665.2	661.3	656.8	652.2	647.3	642.8	639.6
20°	674.6	670.4	666.4	660.9	657.7	653.5	649.2	644.4	640.6	636.0	632.4
22.5°	661.9	658.0	654.5	651.3	646.1	642.8	639.9	634.4	630.4	626.3	622.4
25°	643.7	639.9	637.0	633.0	630.8	627.2	624.3	619.4	615.8	612.0	608.7
27.5°	613.9	611.7	610.0	607.7	605.8	604.2	602.6	598.6	596.0	592.5	589.3
30°	569.1	568.8	567.8	566.9	568.1	568.1	568.1	567.6	565.2	562.6	560.4
32.5°	511.6	512.3	513.7	514.6	517.3	520.2	522.8	524.0	524.0	522.4	521.4
35°	443.2	444.3	446.2	448.8	452.0	455.6	461.4	462.7	463.7	463.7	462.4
37.5°	372.2	371.8	373.8	376.1	378.0	380.6	384.9	385.8	387.4	386.8	385.4
40°	303.1	301.4	300.8	301.4	303.8	302.7	303.8	303.1	303.1	300.8	300.8
42.5°	239.2	237.2	235.9	234.9	234.9	232.6	231.1	229.4	228.5	226.8	226.5
45°	184.3	182.0	180.5	179.8	178.8	175.8	173.9	172.0	169.6	169.1	169.4
47.5°	143.1	140.8	140.2	138.6	136.9	135.3	134.0	131.7	131.4	130.2	131.4
50°	110.4	109.7	108.7	108.0	107.1	105.8	104.5	103.2	102.5	102.5	102.8
52.5°	85.6	86.0	85.0	84.0	83.4	83.4	81.8	81.4	81.4	80.1	81.4
55°	65.6	65.2	65.6	64.9	64.9	63.9	63.9	63.0	63.0	62.0	62.7
57.5°	48.0	48.7	48.0	48.4	49.1	48.0	47.7	46.7	47.4	46.7	47.0
60°	37.4	37.4	37.4	37.0	37.0	36.7	36.7	36.3	36.3	35.7	36.3
62.5°	27.6	27.9	27.9	27.9	28.2	27.9	27.6	27.9	27.6	27.6	27.9
65°	18.2	18.4	18.4	18.2	18.8	18.2	18.4	18.8	19.1	18.8	19.1
67.5°	12.4	12.4	12.7	12.9	12.7	12.9	13.3	12.9	13.3	14.0	13.3
70°	9.1	9.5	9.5	9.1	8.8	9.1	8.8	9.8	9.8	9.8	10.4
72.5°	5.9	5.9	5.5	5.5	5.5	5.5	5.5	6.5	5.9	5.5	6.2
75°	3.3	3.6	3.6	2.6	2.9	3.6	2.6	2.9	3.9	3.3	3.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.6	2.2	2.2	2.2	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	1.9	1.6	1.6	1.9
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°	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	663.9	663.9	663.5	663.0	661.6	661.6	661.3	660.3	659.7	659.4	659.4
5°	660.6	659.4	658.0	654.5	654.5	653.8	651.9	650.6	649.9	648.3	647.7
7.5°	657.7	653.8	651.6	649.2	646.4	645.1	642.8	641.8	639.6	638.0	637.0
10°	650.6	648.0	645.1	641.5	639.2	636.6	634.1	632.1	629.2	627.5	626.3
12.5°	645.8	641.8	639.2	635.3	631.5	629.2	625.6	623.4	620.4	617.2	615.3
15°	641.1	637.0	633.4	629.2	624.9	622.4	618.2	615.6	611.3	608.1	605.8
17.5°	634.4	630.8	626.8	621.7	617.8	614.6	610.0	606.8	602.9	598.6	596.4
20°	627.2	623.0	619.1	613.9	610.0	606.2	601.5	598.1	593.4	589.6	587.0
22.5°	617.8	612.9	609.8	604.5	600.0	595.8	591.5	587.4	583.1	579.8	576.9
25°	604.2	598.9	595.5	591.2	587.0	583.8	578.6	576.0	571.7	568.8	565.9
27.5°	584.7	580.8	577.6	573.4	569.8	567.2	563.3	560.7	557.1	554.5	552.3
30°	556.2	552.9	550.0	545.7	543.2	540.9	537.3	535.1	532.5	529.5	528.9
32.5°	517.8	515.2	512.3	509.4	507.5	506.1	503.2	502.0	499.4	497.7	496.1
35°	460.1	457.9	456.2	455.0	454.3	454.6	453.9	455.3	455.8	455.6	455.8
37.5°	384.5	383.2	383.8	384.9	388.1	392.3	396.2	402.1	405.9	409.8	413.4
40°	300.2	301.2	303.8	309.6	318.0	327.4	336.2	347.2	358.2	366.1	373.2
42.5°	226.5	229.4	235.9	244.4	257.0	270.9	284.6	300.8	314.1	327.0	336.2
45°	170.3	174.3	182.7	194.4	208.4	224.6	241.8	259.9	275.8	289.1	299.1
47.5°	132.8	136.2	144.7	157.0	174.3	191.1	208.9	227.8	244.4	257.3	266.1
50°	104.8	109.4	116.8	129.8	147.0	164.8	183.4	201.8	217.5	228.5	236.2
52.5°	82.5	86.6	93.8	107.4	125.0	142.8	160.0	178.1	191.8	202.5	207.7
55°	63.9	67.8	75.3	86.6	103.2	120.7	137.9	153.5	166.2	173.9	178.8
57.5°	48.7	51.6	56.8	68.2	83.0	99.3	113.8	129.5	139.2	144.7	147.9
60°	37.0	39.3	44.8	53.6	67.2	81.1	93.5	105.2	113.0	117.4	120.7
62.5°	27.9	30.5	34.4	41.8	52.2	63.6	74.0	82.7	89.2	92.1	94.4
65°	19.1	21.0	24.0	29.8	38.6	46.7	54.8	61.3	65.6	68.9	70.1
67.5°	14.3	15.5	17.2	21.7	27.9	34.4	39.9	44.4	49.1	50.3	52.5
70°	10.7	11.7	13.3	16.5	20.1	24.6	29.2	31.8	35.1	37.4	38.0
72.5°	6.9	7.1	8.8	10.7	13.6	16.5	19.5	21.7	23.7	25.0	25.6
75°	3.9	5.9	5.9	7.8	9.8	11.0	12.9	14.6	15.5	16.5	16.5
77.5°	2.6	3.6	3.9	4.8	5.9	7.4	9.1	10.0	11.0	11.4	11.4
80°	2.2	2.6	2.6	3.6	4.3	5.5	6.5	6.9	7.4	7.8	8.4
82.5°	1.0	1.3	1.6	2.6	2.9	2.9	3.9	4.3	4.8	5.2	5.2
85°	0.3	0.7	0.7	1.0	1.6	1.9	2.2	2.6	2.9	2.9	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	1.9	1.9
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: P245875

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	664.5	664.5	664.5	664.5	664.5	664.5	664.5
2.5°	658.7	659.0	657.7	657.4	656.8	657.1	657.7
5°	646.6	647.0	645.8	644.4	644.4	644.1	644.4
7.5°	635.3	635.6	633.7	633.0	631.8	632.1	632.1
10°	623.9	623.9	621.1	620.8	619.8	619.4	619.4
12.5°	612.9	612.0	609.8	608.4	609.1	607.2	607.2
15°	603.2	601.5	598.6	597.7	596.0	595.5	595.5
17.5°	593.1	591.9	589.3	587.4	585.3	585.0	585.3
20°	583.4	582.1	578.9	577.6	576.0	576.0	575.3
22.5°	573.6	572.4	569.5	568.5	566.2	566.2	566.6
25°	563.6	562.6	559.4	558.8	558.4	557.1	557.8
27.5°	550.0	549.3	546.8	545.7	544.5	544.2	544.8
30°	525.0	524.0	522.1	521.1	518.8	519.2	519.9
32.5°	493.9	492.5	489.9	489.0	487.0	486.4	486.7
35°	455.0	453.9	451.7	451.7	449.8	449.1	449.8
37.5°	415.4	416.2	415.4	416.2	415.4	415.0	415.4
40°	378.0	381.6	382.3	385.8	384.5	386.4	386.1
42.5°	342.3	348.2	350.4	353.4	352.7	354.0	354.9
45°	306.3	311.2	313.4	315.4	315.7	316.3	316.7
47.5°	272.2	276.2	276.4	278.8	278.4	278.4	279.3
50°	240.4	243.0	243.7	245.4	244.0	243.3	243.7
52.5°	210.9	213.5	212.8	213.5	211.8	211.3	211.6
55°	180.8	182.0	182.0	182.0	180.1	180.1	180.1
57.5°	150.0	150.2	149.6	150.0	149.6	147.6	147.3
60°	121.7	121.7	121.4	121.7	120.7	119.7	119.7
62.5°	95.1	95.7	97.0	95.7	95.1	95.7	94.7
65°	71.1	72.3	72.0	72.7	72.3	72.3	71.7
67.5°	53.6	53.9	54.2	54.6	54.6	54.6	54.6
70°	39.3	40.3	39.9	39.9	39.9	39.9	41.8
72.5°	26.3	27.6	27.2	27.9	27.9	28.6	27.9
75°	17.9	19.1	18.4	19.5	19.1	18.4	20.1
77.5°	12.0	12.7	12.9	13.3	12.9	12.7	12.9
80°	8.4	9.1	8.8	9.1	9.1	9.1	9.5
82.5°	5.2	6.2	5.9	6.2	5.9	6.2	6.2
85°	3.6	3.9	3.3	3.9	3.6	3.6	4.3
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)