

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: P245839

Luminaire Tested: **LSR8B15D010 EC8B15850 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245839  
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 EC8B15850 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1448.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

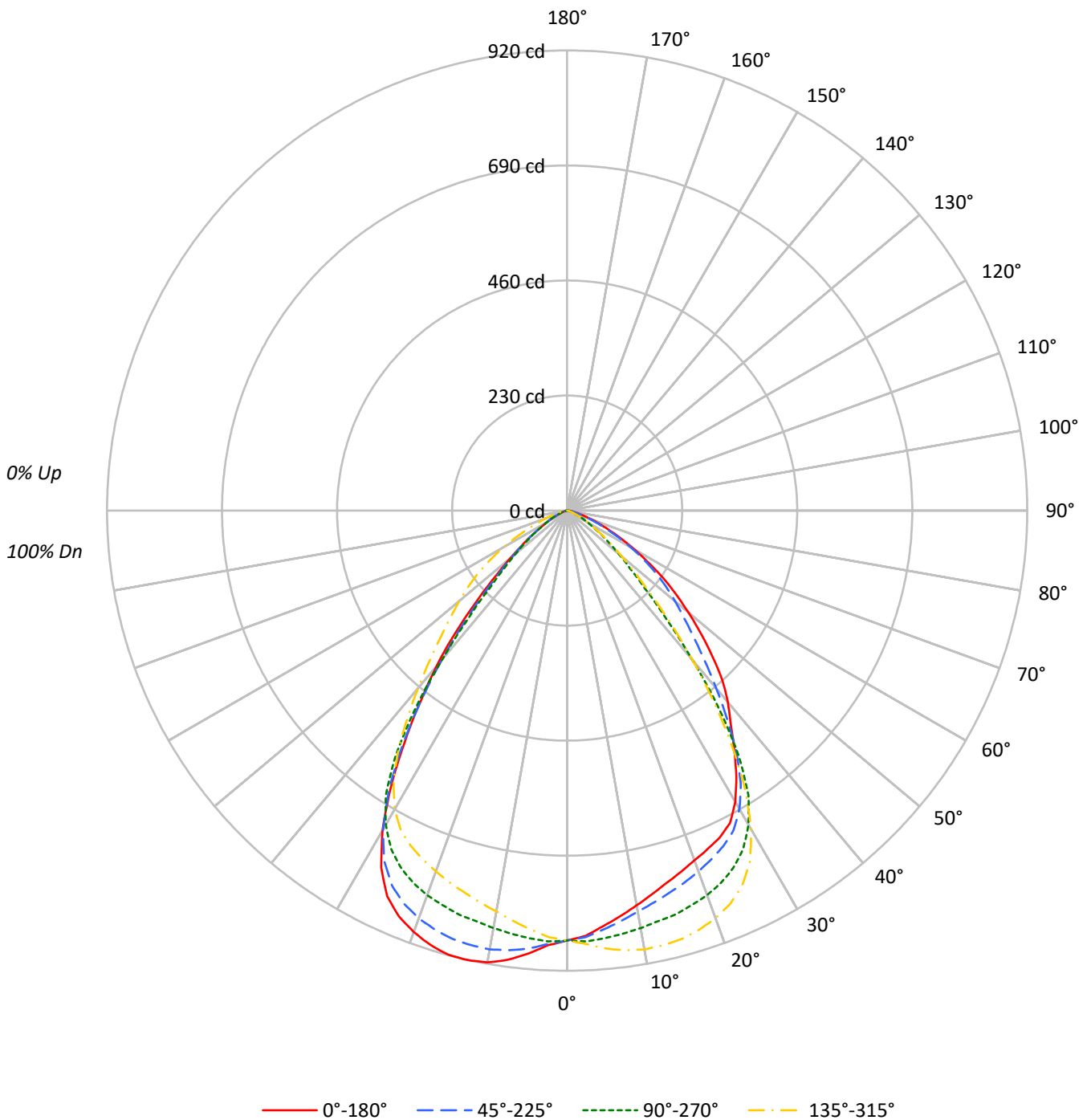
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	26507	26507	26507	26507
5°	25803	26571	27518	26571
10°	25090	26537	28716	26537
15°	24588	26692	29345	26692
20°	24421	26846	29422	26846
25°	24548	26791	28948	26791
30°	23942	25811	26274	25811
35°	21901	22515	21363	22515
40°	20107	15663	16355	15663
45°	17867	9555	11055	9555
50°	15121	6380	7090	6380
55°	12526	4355	4602	4355
60°	9553	2899	2923	2899
65°	6771	1810	1656	1810
70°	4878	1208	1100	1208
75°	3098	596	500	596
80°	2166	444	373	444
85°	1946	0	142	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	5.7
10°-20°	236.9	16.4
20°-30°	358.8	24.8
30°-40°	359.6	24.8
40°-50°	225.8	15.6
50°-60°	120.3	8.3
60°-70°	49.5	3.4
70°-80°	13.1	0.9
80°-90°	2.2	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°	677.5	46.8
0°-40°	1037.1	71.6
0°-60°	1383.2	95.5
0°-90°	1448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	860	860	860	860	860	
5°	834	858	889	858	834	79
15°	770	836	919	836	770	218
25°	722	787	851	787	722	331
35°	582	598	568	598	582	364
45°	410	219	254	219	410	315
55°	233	81	86	81	233	208
65°	93	25	23	25	93	96
75°	26	5	4	5	26	29
85°	6	0	0	0	6	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°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	850.8	850.0	849.6	850.4	850.8	852.5	852.1	852.9	852.9	853.3	854.2
5°	833.6	833.2	833.6	833.6	835.3	837.0	836.5	837.8	838.6	840.7	841.6
7.5°	817.7	817.7	817.2	818.9	819.8	822.3	821.8	824.0	825.2	827.3	830.2
10°	801.3	801.3	801.7	803.0	803.4	807.2	807.2	810.1	811.8	813.9	817.7
12.5°	785.3	785.3	787.9	787.0	788.7	791.6	792.9	795.8	798.4	802.5	806.3
15°	770.2	770.2	771.1	773.2	774.4	778.2	780.3	783.7	786.6	790.8	796.3
17.5°	757.2	756.8	757.2	759.7	762.3	765.6	767.3	771.5	774.4	779.9	784.9
20°	744.2	745.1	745.1	747.1	748.8	753.0	754.7	759.3	762.7	767.7	773.6
22.5°	732.9	732.5	732.5	735.4	736.7	740.4	742.1	746.3	750.1	754.3	759.7
25°	721.5	720.7	722.4	722.8	723.6	727.8	729.1	732.0	735.8	739.6	745.1
27.5°	704.7	703.9	704.3	706.0	707.3	710.6	711.5	714.4	717.3	720.7	725.3
30°	672.4	671.6	671.2	674.1	675.4	677.9	679.1	684.2	685.0	688.8	692.1
32.5°	629.6	629.2	630.0	632.5	633.8	637.2	638.8	641.8	643.9	646.0	649.3
35°	581.8	580.9	581.8	584.3	584.3	587.2	588.5	589.7	589.3	589.7	588.9
37.5°	537.3	536.8	537.3	538.5	537.3	538.5	537.3	534.8	530.1	525.1	520.1
40°	499.5	499.9	497.4	499.1	494.4	493.6	489.0	482.7	473.5	463.4	449.1
42.5°	459.2	457.9	456.3	457.1	453.3	450.4	442.8	434.9	423.1	406.3	389.1
45°	409.7	409.3	408.4	408.0	405.5	402.5	396.2	387.0	374.0	356.8	336.2
47.5°	361.4	360.1	360.1	360.6	357.6	357.2	352.2	344.2	332.9	316.1	294.7
50°	315.2	314.8	315.6	317.3	315.2	314.4	311.0	305.6	295.5	281.2	261.1
52.5°	273.7	273.3	274.1	276.2	275.3	276.2	272.8	268.6	261.9	248.1	230.4
55°	233.0	233.0	233.0	235.5	235.5	235.5	233.8	231.3	225.0	214.9	198.5
57.5°	190.6	191.0	193.5	193.9	193.5	194.3	193.9	191.4	187.2	180.1	167.5
60°	154.9	154.9	156.1	157.4	157.0	157.4	157.4	156.1	152.0	146.1	136.0
62.5°	122.6	123.8	123.0	123.8	125.5	123.8	123.0	122.1	119.2	115.4	107.0
65°	92.8	93.6	93.6	94.0	93.2	93.6	91.9	90.7	89.0	84.8	79.3
67.5°	70.5	70.5	70.5	70.5	70.1	69.7	69.3	68.0	65.1	63.4	57.5
70°	54.1	51.6	51.6	51.6	51.6	52.1	50.8	49.1	48.3	45.3	41.1
72.5°	36.1	36.9	36.1	36.1	35.3	35.7	34.0	33.2	32.3	30.6	28.1
75°	26.0	23.9	24.8	25.2	23.9	24.8	23.1	21.4	21.4	20.1	18.9
77.5°	16.8	16.4	16.8	17.2	16.8	16.4	15.5	14.7	14.7	14.3	13.0
80°	12.2	11.7	11.7	11.7	11.3	11.7	10.9	10.9	10.1	9.7	8.8
82.5°	8.0	8.0	7.6	8.0	7.6	8.0	6.7	6.7	6.7	6.3	5.5
85°	5.5	4.6	4.6	5.0	4.2	5.0	4.6	4.2	3.8	3.8	3.4
87.5°	2.5	2.9	2.5	2.9	2.5	2.5	2.9	2.5	2.5	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	855.4	855.8	855.8	857.5	858.4	858.8	858.8	862.2	860.9	861.7	862.6
5°	843.3	845.8	846.6	846.6	851.2	852.9	854.6	858.4	858.8	861.3	864.2
7.5°	831.5	834.4	836.1	839.9	842.8	845.8	850.8	853.3	855.8	859.2	863.0
10°	820.2	823.5	826.9	829.8	834.4	838.2	841.6	847.5	850.4	855.0	860.0
12.5°	809.3	813.9	816.8	821.8	826.9	830.2	835.3	840.7	845.4	850.0	855.8
15°	799.6	805.1	808.4	813.9	819.3	824.0	829.4	836.1	839.5	844.9	850.4
17.5°	789.1	795.0	799.2	804.2	810.9	816.0	820.6	827.3	831.5	837.4	843.7
20°	778.2	784.1	789.1	794.2	800.9	805.9	811.4	818.1	822.7	828.6	833.6
22.5°	765.2	770.7	776.1	782.0	788.7	792.9	799.2	805.1	810.1	815.6	820.6
25°	748.4	755.1	759.3	764.8	770.2	774.8	781.6	787.4	791.6	796.7	801.3
27.5°	728.7	733.7	737.1	741.7	747.1	751.3	756.4	762.3	766.5	771.1	774.4
30°	695.1	699.7	702.7	706.0	711.5	715.2	719.4	724.9	727.8	731.2	734.1
32.5°	651.0	654.8	656.5	659.0	662.8	666.5	669.9	674.5	675.8	677.9	677.9
35°	587.2	588.1	587.6	588.5	590.2	592.3	595.2	598.1	599.8	599.8	598.6
37.5°	512.5	507.5	502.0	497.8	496.6	495.7	497.4	498.6	500.3	501.2	499.1
40°	434.9	423.5	411.3	400.4	392.9	389.5	388.3	389.1	389.1	392.0	392.0
42.5°	368.1	350.5	332.4	316.1	305.1	296.8	293.0	293.0	293.4	295.5	296.8
45°	312.7	290.5	269.5	251.4	236.3	225.4	220.4	219.1	218.7	219.5	222.5
47.5°	270.3	247.2	225.4	203.2	187.2	176.3	171.7	170.0	168.3	170.0	170.4
50°	237.2	213.2	190.2	167.9	151.1	141.4	135.6	133.0	132.6	132.6	133.5
52.5°	206.9	184.7	161.6	138.9	121.3	112.1	106.6	105.4	103.7	105.4	105.4
55°	178.4	156.1	133.5	112.1	97.4	87.7	82.7	81.0	80.2	81.4	81.4
57.5°	147.3	128.4	107.5	88.1	73.5	66.7	63.0	60.9	60.4	61.3	60.4
60°	120.9	104.9	86.9	69.3	57.9	50.8	47.9	47.0	46.2	47.0	47.0
62.5°	95.7	82.3	67.6	54.1	44.5	39.5	36.1	36.1	35.7	35.7	36.1
65°	70.9	60.4	49.9	38.6	31.1	27.3	24.8	24.8	24.3	24.8	24.3
67.5°	51.6	44.5	36.1	28.1	22.3	20.1	18.5	17.2	18.1	17.2	16.8
70°	37.8	31.9	26.0	21.4	17.2	15.1	13.9	13.4	12.6	12.6	12.6
72.5°	25.2	21.4	17.6	13.9	11.3	9.2	8.8	8.0	7.1	7.6	8.4
75°	16.8	14.3	12.6	10.1	7.6	7.6	5.0	5.0	4.2	5.0	3.8
77.5°	11.7	9.7	7.6	6.3	5.0	4.6	3.4	3.4	2.9	2.9	2.9
80°	8.4	7.1	5.5	4.6	3.4	3.4	2.9	2.5	2.1	2.1	2.5
82.5°	5.0	3.8	3.8	3.4	2.1	1.7	1.3	1.7	0.8	0.8	0.8
85°	2.9	2.5	2.1	1.3	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.7	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°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	864.7	864.2	865.1	865.1	867.6	867.2	868.4	868.4	867.6	868.0	869.7
5°	867.6	868.9	871.4	873.5	877.3	878.9	881.0	883.1	883.6	884.8	886.1
7.5°	867.6	871.8	874.7	878.5	883.6	886.5	891.1	894.9	896.6	898.7	901.2
10°	865.9	870.1	875.6	879.8	886.1	890.7	895.3	901.2	903.7	907.1	910.4
12.5°	862.6	867.2	873.1	878.5	885.7	889.8	895.7	901.2	905.0	909.6	913.4
15°	857.5	863.0	868.4	873.9	881.5	886.5	892.0	898.2	902.0	907.1	910.4
17.5°	849.6	855.4	860.5	865.5	872.6	878.5	883.6	889.4	893.2	897.4	902.0
20°	839.9	845.4	850.8	855.0	862.2	867.2	872.6	878.1	881.0	881.9	889.0
22.5°	827.7	831.5	835.7	842.4	846.6	851.2	856.3	861.3	864.2	868.9	871.4
25°	807.6	811.4	816.0	818.9	824.0	827.7	832.8	838.2	839.9	843.3	845.8
27.5°	779.5	781.6	783.7	786.2	789.1	791.2	794.2	796.7	798.4	800.0	801.7
30°	735.0	735.0	735.0	733.3	734.5	735.8	736.2	735.8	735.8	735.4	735.4
32.5°	676.2	672.9	669.1	665.7	664.5	662.8	661.9	660.7	658.6	657.3	657.7
35°	596.9	589.3	584.7	580.5	577.2	574.6	573.4	572.1	571.7	570.0	568.3
37.5°	497.8	492.4	489.0	486.5	483.5	481.0	481.4	481.9	483.1	482.3	482.7
40°	392.9	391.6	392.9	389.9	389.1	389.9	392.0	395.0	396.7	398.3	401.3
42.5°	298.9	300.9	303.9	303.9	305.1	306.8	309.3	314.0	316.5	319.4	322.8
45°	225.0	227.5	231.3	232.5	233.4	235.5	238.4	242.2	243.9	246.4	249.3
47.5°	173.4	175.0	177.1	179.2	181.3	182.2	185.1	185.1	187.2	188.9	189.7
50°	135.2	136.8	138.5	139.8	140.6	141.9	142.7	144.0	144.4	145.2	145.6
52.5°	105.8	107.9	107.9	108.7	110.0	111.2	110.8	111.2	111.6	111.6	112.9
55°	82.7	82.7	83.9	83.9	84.8	84.4	84.8	84.8	84.8	84.8	85.2
57.5°	61.7	62.1	63.4	62.5	62.1	63.0	62.1	63.0	62.5	63.4	62.1
60°	47.4	47.4	47.9	47.9	48.3	48.3	48.3	47.9	47.9	47.4	47.4
62.5°	35.7	36.1	36.5	36.1	36.1	36.1	35.7	35.7	35.3	34.8	34.8
65°	23.9	23.5	24.3	23.5	23.9	23.9	23.5	23.9	22.7	23.1	22.7
67.5°	17.2	16.8	16.4	16.8	16.4	15.9	15.9	16.4	16.8	15.5	15.5
70°	11.3	11.7	11.3	11.7	12.2	12.2	11.7	11.3	11.7	10.9	11.3
72.5°	7.1	7.1	7.1	7.1	7.1	7.6	7.6	7.6	6.7	6.7	6.3
75°	3.4	4.6	3.8	3.4	4.6	4.6	4.2	4.2	3.8	3.8	3.8
77.5°	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.1	2.5	2.1
80°	1.7	1.7	1.7	1.3	1.7	1.7	2.1	1.7	1.7	1.3	2.1
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°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	869.3	868.9	869.3	869.7	869.3	868.9	869.3	869.7	868.0	867.6	868.4
5°	887.8	887.8	888.6	889.0	888.6	887.8	887.8	886.1	884.8	883.6	883.1
7.5°	903.7	904.6	905.4	905.8	905.4	904.6	903.7	901.2	898.7	896.6	894.9
10°	913.4	914.6	916.3	917.1	916.3	914.6	913.4	910.4	907.1	903.7	901.2
12.5°	917.6	918.8	920.9	920.5	920.9	918.8	917.6	913.4	909.6	905.0	901.2
15°	914.6	916.3	918.4	919.2	918.4	916.3	914.6	910.4	907.1	902.0	898.2
17.5°	905.4	907.9	909.2	910.4	909.2	907.9	905.4	902.0	897.4	893.2	889.4
20°	892.8	894.5	896.2	896.6	896.2	894.5	892.8	889.0	881.9	881.0	878.1
22.5°	874.7	876.0	879.8	878.5	879.8	876.0	874.7	871.4	868.9	864.2	861.3
25°	848.7	850.0	850.4	850.8	850.4	850.0	848.7	845.8	843.3	839.9	838.2
27.5°	803.8	803.8	804.6	805.1	804.6	803.8	803.8	801.7	800.0	798.4	796.7
30°	735.8	735.8	735.8	737.9	735.8	735.8	735.8	735.4	735.4	735.8	735.8
32.5°	657.3	656.5	655.6	656.5	655.6	656.5	657.3	657.7	657.3	658.6	660.7
35°	568.3	567.9	569.2	567.5	569.2	567.9	568.3	568.3	570.0	571.7	572.1
37.5°	483.1	482.3	484.0	482.3	484.0	482.3	483.1	482.7	482.3	483.1	481.9
40°	402.1	403.0	403.0	406.3	403.0	403.0	402.1	401.3	398.3	396.7	395.0
42.5°	324.5	327.0	326.1	328.7	326.1	327.0	324.5	322.8	319.4	316.5	314.0
45°	251.0	252.7	252.7	253.5	252.7	252.7	251.0	249.3	246.4	243.9	242.2
47.5°	192.7	192.7	192.7	193.1	192.7	192.7	192.7	189.7	188.9	187.2	185.1
50°	146.5	146.9	147.3	147.8	147.3	146.9	146.5	145.6	145.2	144.4	144.0
52.5°	112.5	112.9	112.1	112.9	112.1	112.9	112.5	112.9	111.6	111.6	111.2
55°	85.2	84.8	85.2	85.6	85.2	84.8	85.2	85.2	84.8	84.8	84.8
57.5°	62.5	61.7	61.7	61.7	61.7	61.7	62.5	62.1	63.4	62.5	63.0
60°	46.6	47.0	47.0	47.4	47.0	47.0	46.6	47.4	47.4	47.9	47.9
62.5°	34.4	35.7	34.8	35.7	34.8	35.7	34.4	34.8	34.8	35.3	35.7
65°	22.3	22.3	22.3	22.7	22.3	22.3	22.3	22.7	23.1	22.7	23.9
67.5°	15.1	15.5	16.4	15.9	16.4	15.5	15.1	15.5	15.5	16.8	16.4
70°	12.2	10.9	10.9	12.2	10.9	10.9	12.2	11.3	10.9	11.7	11.3
72.5°	7.1	6.3	7.1	7.1	7.1	6.3	7.1	6.3	6.7	6.7	7.6
75°	3.8	3.4	2.9	4.2	2.9	3.4	3.8	3.8	3.8	3.8	4.2
77.5°	2.5	2.1	2.9	2.9	2.9	2.1	2.5	2.1	2.5	2.1	2.5
80°	1.3	1.7	1.3	2.1	1.3	1.7	1.3	2.1	1.3	1.7	1.7
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°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	868.4	867.2	867.6	865.1	865.1	864.2	864.7	862.6	861.7	860.9	862.2
5°	881.0	878.9	877.3	873.5	871.4	868.9	867.6	864.2	861.3	858.8	858.4
7.5°	891.1	886.5	883.6	878.5	874.7	871.8	867.6	863.0	859.2	855.8	853.3
10°	895.3	890.7	886.1	879.8	875.6	870.1	865.9	860.0	855.0	850.4	847.5
12.5°	895.7	889.8	885.7	878.5	873.1	867.2	862.6	855.8	850.0	845.4	840.7
15°	892.0	886.5	881.5	873.9	868.4	863.0	857.5	850.4	844.9	839.5	836.1
17.5°	883.6	878.5	872.6	865.5	860.5	855.4	849.6	843.7	837.4	831.5	827.3
20°	872.6	867.2	862.2	855.0	850.8	845.4	839.9	833.6	828.6	822.7	818.1
22.5°	856.3	851.2	846.6	842.4	835.7	831.5	827.7	820.6	815.6	810.1	805.1
25°	832.8	827.7	824.0	818.9	816.0	811.4	807.6	801.3	796.7	791.6	787.4
27.5°	794.2	791.2	789.1	786.2	783.7	781.6	779.5	774.4	771.1	766.5	762.3
30°	736.2	735.8	734.5	733.3	735.0	735.0	735.0	734.1	731.2	727.8	724.9
32.5°	661.9	662.8	664.5	665.7	669.1	672.9	676.2	677.9	677.9	675.8	674.5
35°	573.4	574.6	577.2	580.5	584.7	589.3	596.9	598.6	599.8	599.8	598.1
37.5°	481.4	481.0	483.5	486.5	489.0	492.4	497.8	499.1	501.2	500.3	498.6
40°	392.0	389.9	389.1	389.9	392.9	391.6	392.9	392.0	392.0	389.1	389.1
42.5°	309.3	306.8	305.1	303.9	303.9	300.9	298.9	296.8	295.5	293.4	293.0
45°	238.4	235.5	233.4	232.5	231.3	227.5	225.0	222.5	219.5	218.7	219.1
47.5°	185.1	182.2	181.3	179.2	177.1	175.0	173.4	170.4	170.0	168.3	170.0
50°	142.7	141.9	140.6	139.8	138.5	136.8	135.2	133.5	132.6	132.6	133.0
52.5°	110.8	111.2	110.0	108.7	107.9	107.9	105.8	105.4	105.4	103.7	105.4
55°	84.8	84.4	84.8	83.9	83.9	82.7	82.7	81.4	81.4	80.2	81.0
57.5°	62.1	63.0	62.1	62.5	63.4	62.1	61.7	60.4	61.3	60.4	60.9
60°	48.3	48.3	48.3	47.9	47.9	47.4	47.4	47.0	47.0	46.2	47.0
62.5°	35.7	36.1	36.1	36.1	36.5	36.1	35.7	36.1	35.7	35.7	36.1
65°	23.5	23.9	23.9	23.5	24.3	23.5	23.9	24.3	24.8	24.3	24.8
67.5°	15.9	15.9	16.4	16.8	16.4	16.8	17.2	16.8	17.2	18.1	17.2
70°	11.7	12.2	12.2	11.7	11.3	11.7	11.3	12.6	12.6	12.6	13.4
72.5°	7.6	7.6	7.1	7.1	7.1	7.1	7.1	8.4	7.6	7.1	8.0
75°	4.2	4.6	4.6	3.4	3.8	4.6	3.4	3.8	5.0	4.2	5.0
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.4	2.9	2.9	2.9	3.4
80°	2.1	1.7	1.7	1.3	1.7	1.7	1.7	2.5	2.1	2.1	2.5
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.7
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°	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	858.8	858.8	858.4	857.5	855.8	855.8	855.4	854.2	853.3	852.9	852.9
5°	854.6	852.9	851.2	846.6	846.6	845.8	843.3	841.6	840.7	838.6	837.8
7.5°	850.8	845.8	842.8	839.9	836.1	834.4	831.5	830.2	827.3	825.2	824.0
10°	841.6	838.2	834.4	829.8	826.9	823.5	820.2	817.7	813.9	811.8	810.1
12.5°	835.3	830.2	826.9	821.8	816.8	813.9	809.3	806.3	802.5	798.4	795.8
15°	829.4	824.0	819.3	813.9	808.4	805.1	799.6	796.3	790.8	786.6	783.7
17.5°	820.6	816.0	810.9	804.2	799.2	795.0	789.1	784.9	779.9	774.4	771.5
20°	811.4	805.9	800.9	794.2	789.1	784.1	778.2	773.6	767.7	762.7	759.3
22.5°	799.2	792.9	788.7	782.0	776.1	770.7	765.2	759.7	754.3	750.1	746.3
25°	781.6	774.8	770.2	764.8	759.3	755.1	748.4	745.1	739.6	735.8	732.0
27.5°	756.4	751.3	747.1	741.7	737.1	733.7	728.7	725.3	720.7	717.3	714.4
30°	719.4	715.2	711.5	706.0	702.7	699.7	695.1	692.1	688.8	685.0	684.2
32.5°	669.9	666.5	662.8	659.0	656.5	654.8	651.0	649.3	646.0	643.9	641.8
35°	595.2	592.3	590.2	588.5	587.6	588.1	587.2	588.9	589.7	589.3	589.7
37.5°	497.4	495.7	496.6	497.8	502.0	507.5	512.5	520.1	525.1	530.1	534.8
40°	388.3	389.5	392.9	400.4	411.3	423.5	434.9	449.1	463.4	473.5	482.7
42.5°	293.0	296.8	305.1	316.1	332.4	350.5	368.1	389.1	406.3	423.1	434.9
45°	220.4	225.4	236.3	251.4	269.5	290.5	312.7	336.2	356.8	374.0	387.0
47.5°	171.7	176.3	187.2	203.2	225.4	247.2	270.3	294.7	316.1	332.9	344.2
50°	135.6	141.4	151.1	167.9	190.2	213.2	237.2	261.1	281.2	295.5	305.6
52.5°	106.6	112.1	121.3	138.9	161.6	184.7	206.9	230.4	248.1	261.9	268.6
55°	82.7	87.7	97.4	112.1	133.5	156.1	178.4	198.5	214.9	225.0	231.3
57.5°	63.0	66.7	73.5	88.1	107.5	128.4	147.3	167.5	180.1	187.2	191.4
60°	47.9	50.8	57.9	69.3	86.9	104.9	120.9	136.0	146.1	152.0	156.1
62.5°	36.1	39.5	44.5	54.1	67.6	82.3	95.7	107.0	115.4	119.2	122.1
65°	24.8	27.3	31.1	38.6	49.9	60.4	70.9	79.3	84.8	89.0	90.7
67.5°	18.5	20.1	22.3	28.1	36.1	44.5	51.6	57.5	63.4	65.1	68.0
70°	13.9	15.1	17.2	21.4	26.0	31.9	37.8	41.1	45.3	48.3	49.1
72.5°	8.8	9.2	11.3	13.9	17.6	21.4	25.2	28.1	30.6	32.3	33.2
75°	5.0	7.6	7.6	10.1	12.6	14.3	16.8	18.9	20.1	21.4	21.4
77.5°	3.4	4.6	5.0	6.3	7.6	9.7	11.7	13.0	14.3	14.7	14.7
80°	2.9	3.4	3.4	4.6	5.5	7.1	8.4	8.8	9.7	10.1	10.9
82.5°	1.3	1.7	2.1	3.4	3.8	3.8	5.0	5.5	6.3	6.7	6.7
85°	0.4	0.8	0.8	1.3	2.1	2.5	2.9	3.4	3.8	3.8	4.2
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.7	1.7	1.7	2.5	2.5
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: P245839

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	859.6	859.6	859.6	859.6	859.6	859.6	859.6
2.5°	852.1	852.5	850.8	850.4	849.6	850.0	850.8
5°	836.5	837.0	835.3	833.6	833.6	833.2	833.6
7.5°	821.8	822.3	819.8	818.9	817.2	817.7	817.7
10°	807.2	807.2	803.4	803.0	801.7	801.3	801.3
12.5°	792.9	791.6	788.7	787.0	787.9	785.3	785.3
15°	780.3	778.2	774.4	773.2	771.1	770.2	770.2
17.5°	767.3	765.6	762.3	759.7	757.2	756.8	757.2
20°	754.7	753.0	748.8	747.1	745.1	745.1	744.2
22.5°	742.1	740.4	736.7	735.4	732.5	732.5	732.9
25°	729.1	727.8	723.6	722.8	722.4	720.7	721.5
27.5°	711.5	710.6	707.3	706.0	704.3	703.9	704.7
30°	679.1	677.9	675.4	674.1	671.2	671.6	672.4
32.5°	638.8	637.2	633.8	632.5	630.0	629.2	629.6
35°	588.5	587.2	584.3	584.3	581.8	580.9	581.8
37.5°	537.3	538.5	537.3	538.5	537.3	536.8	537.3
40°	489.0	493.6	494.4	499.1	497.4	499.9	499.5
42.5°	442.8	450.4	453.3	457.1	456.3	457.9	459.2
45°	396.2	402.5	405.5	408.0	408.4	409.3	409.7
47.5°	352.2	357.2	357.6	360.6	360.1	360.1	361.4
50°	311.0	314.4	315.2	317.3	315.6	314.8	315.2
52.5°	272.8	276.2	275.3	276.2	274.1	273.3	273.7
55°	233.8	235.5	235.5	235.5	233.0	233.0	233.0
57.5°	193.9	194.3	193.5	193.9	193.5	191.0	190.6
60°	157.4	157.4	157.0	157.4	156.1	154.9	154.9
62.5°	123.0	123.8	125.5	123.8	123.0	123.8	122.6
65°	91.9	93.6	93.2	94.0	93.6	93.6	92.8
67.5°	69.3	69.7	70.1	70.5	70.5	70.5	70.5
70°	50.8	52.1	51.6	51.6	51.6	51.6	54.1
72.5°	34.0	35.7	35.3	36.1	36.1	36.9	36.1
75°	23.1	24.8	23.9	25.2	24.8	23.9	26.0
77.5°	15.5	16.4	16.8	17.2	16.8	16.4	16.8
80°	10.9	11.7	11.3	11.7	11.7	11.7	12.2
82.5°	6.7	8.0	7.6	8.0	7.6	8.0	8.0
85°	4.6	5.0	4.2	5.0	4.6	4.6	5.5
87.5°	2.9	2.5	2.5	2.9	2.5	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)