

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: P244572

Luminaire Tested: **LSR8B10D010 EC8B10950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244572
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 EC8B10950 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1051.0 lumens
Efficiency: N/A
Efficacy: 103.0 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

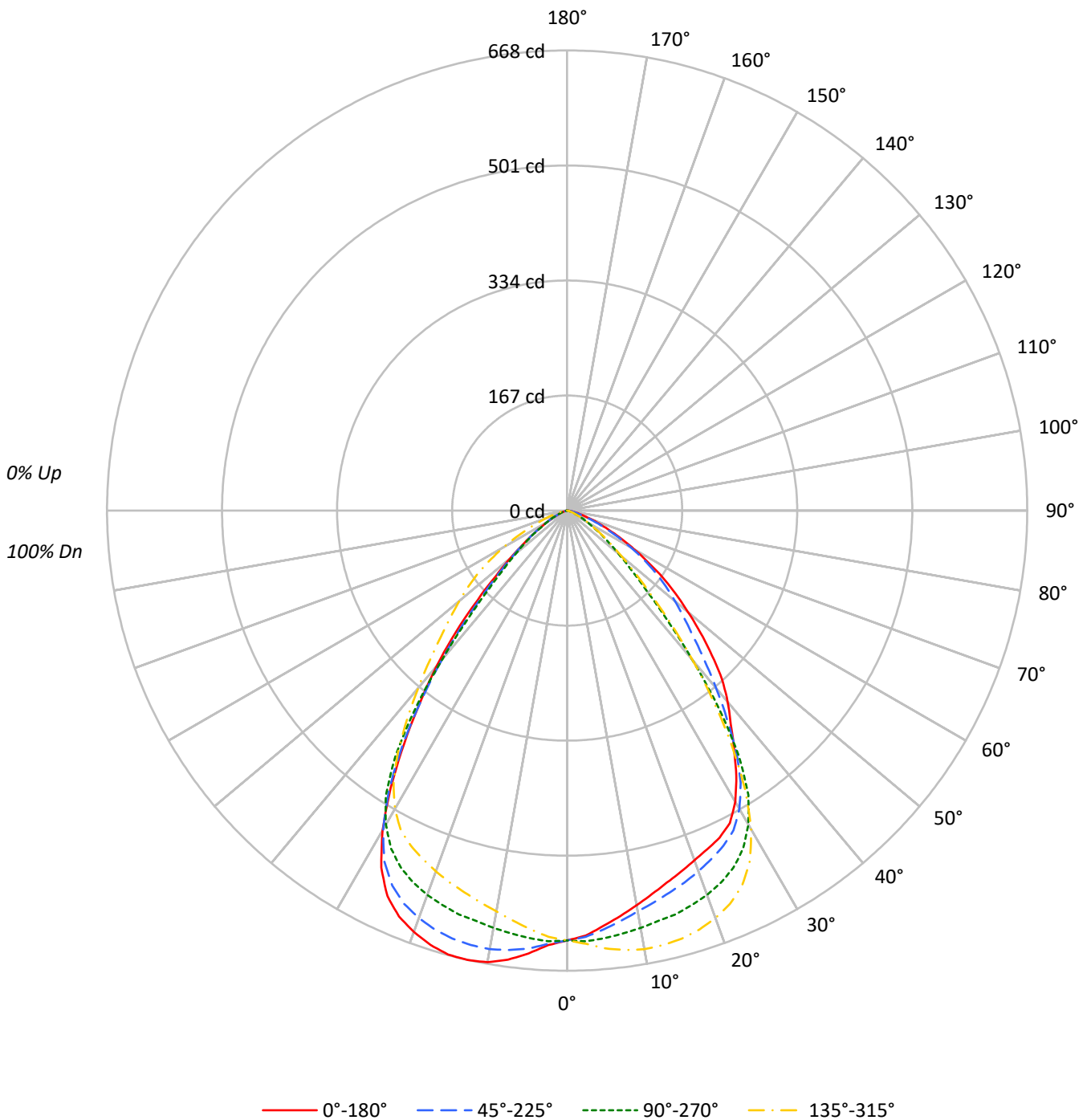
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19239	19239	19239	19239
5°	18730	19284	19975	19284
10°	18211	19260	20844	19260
15°	17849	19375	21300	19375
20°	17727	19486	21356	19486
25°	17818	19445	21010	19445
30°	17380	18733	19071	18733
35°	15897	16341	15506	16341
40°	14592	11368	11871	11368
45°	12969	6934	8024	6934
50°	10976	4634	5143	4634
55°	9091	3161	3339	3161
60°	6932	2103	2122	2103
65°	4911	1313	1204	1313
70°	3543	875	793	875
75°	2252	441	357	441
80°	1563	320	266	320
85°	1415	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	5.7
10°-20°	172.0	16.4
20°-30°	260.4	24.8
30°-40°	261.0	24.8
40°-50°	163.9	15.6
50°-60°	87.3	8.3
60°-70°	35.9	3.4
70°-80°	9.5	0.9
80°-90°	1.6	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°	491.8	46.8
0°-40°	752.8	71.6
0°-60°	1004.0	95.5
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	624	624	624	624	624	
5°	605	623	645	623	605	57
15°	559	607	667	607	559	158
25°	524	572	618	572	524	240
35°	422	434	412	434	422	265
45°	297	159	184	159	297	229
55°	169	59	62	59	169	151
65°	67	18	16	18	67	70
75°	19	4	3	4	19	21
85°	4	0	0	0	4	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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	617.5	616.9	616.6	617.2	617.5	618.8	618.5	619.1	619.1	619.4	620.0
5°	605.1	604.7	605.1	605.1	606.3	607.5	607.2	608.1	608.7	610.2	610.8
7.5°	593.5	593.5	593.2	594.4	595.0	596.8	596.5	598.1	599.0	600.5	602.6
10°	581.6	581.6	581.9	582.8	583.1	585.9	585.9	588.0	589.2	590.7	593.5
12.5°	570.0	570.0	571.9	571.2	572.5	574.6	575.5	577.6	579.5	582.5	585.3
15°	559.1	559.1	559.7	561.2	562.1	564.8	566.4	568.8	570.9	574.0	577.9
17.5°	549.6	549.3	549.6	551.4	553.3	555.7	556.9	560.0	562.1	566.1	569.7
20°	540.2	540.8	540.8	542.3	543.5	546.6	547.8	551.1	553.6	557.2	561.5
22.5°	531.9	531.6	531.6	533.8	534.7	537.4	538.6	541.7	544.4	547.5	551.4
25°	523.7	523.1	524.3	524.6	525.2	528.3	529.2	531.3	534.1	536.8	540.8
27.5°	511.5	510.9	511.2	512.4	513.4	515.8	516.4	518.5	520.7	523.1	526.5
30°	488.1	487.5	487.2	489.3	490.2	492.0	492.9	496.6	497.2	499.9	502.4
32.5°	457.0	456.7	457.3	459.1	460.0	462.5	463.7	465.8	467.3	468.9	471.3
35°	422.3	421.6	422.3	424.1	424.1	426.2	427.1	428.0	427.7	428.0	427.4
37.5°	390.0	389.7	390.0	390.9	390.0	390.9	390.0	388.1	384.8	381.1	377.5
40°	362.5	362.8	361.0	362.2	358.9	358.3	354.9	350.4	343.7	336.4	326.0
42.5°	333.3	332.4	331.2	331.8	329.0	326.9	321.4	315.6	307.1	294.9	282.4
45°	297.4	297.0	296.4	296.1	294.3	292.2	287.6	280.9	271.5	259.0	244.0
47.5°	262.3	261.4	261.4	261.7	259.6	259.3	255.6	249.8	241.6	229.4	213.9
50°	228.8	228.5	229.1	230.3	228.8	228.2	225.8	221.8	214.5	204.1	189.5
52.5°	198.6	198.3	198.9	200.5	199.9	200.5	198.0	195.0	190.1	180.1	167.3
55°	169.1	169.1	169.1	170.9	170.9	170.9	169.7	167.9	163.3	156.0	144.1
57.5°	138.3	138.6	140.4	140.8	140.4	141.1	140.8	138.9	135.9	130.7	121.6
60°	112.4	112.4	113.3	114.3	113.9	114.3	114.3	113.3	110.3	106.0	98.7
62.5°	89.0	89.9	89.3	89.9	91.1	89.9	89.3	88.7	86.5	83.8	77.7
65°	67.3	67.9	67.9	68.2	67.6	67.9	66.7	65.8	64.6	61.5	57.6
67.5°	51.2	51.2	51.2	51.2	50.9	50.6	50.3	49.4	47.2	46.0	41.7
70°	39.3	37.5	37.5	37.5	37.5	37.8	36.9	35.7	35.0	32.9	29.9
72.5°	26.2	26.8	26.2	26.2	25.6	25.9	24.7	24.1	23.5	22.2	20.4
75°	18.9	17.4	18.0	18.3	17.4	18.0	16.8	15.5	15.5	14.6	13.7
77.5°	12.2	11.9	12.2	12.5	12.2	11.9	11.3	10.7	10.7	10.4	9.4
80°	8.8	8.5	8.5	8.5	8.2	8.5	7.9	7.9	7.3	7.0	6.4
82.5°	5.8	5.8	5.5	5.8	5.5	5.8	4.9	4.9	4.9	4.6	4.0
85°	4.0	3.3	3.3	3.7	3.0	3.7	3.3	3.0	2.7	2.7	2.4
87.5°	1.8	2.1	1.8	2.1	1.8	1.8	2.1	1.8	1.8	1.2	1.2
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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	620.9	621.2	621.2	622.4	623.0	623.3	623.3	625.8	624.9	625.5	626.1
5°	612.1	613.9	614.5	614.5	617.9	619.1	620.3	623.0	623.3	625.2	627.3
7.5°	603.5	605.7	606.9	609.6	611.8	613.9	617.5	619.4	621.2	623.6	626.4
10°	595.3	597.7	600.2	602.3	605.7	608.4	610.8	615.1	617.2	620.6	624.2
12.5°	587.4	590.7	592.9	596.5	600.2	602.6	606.3	610.2	613.6	616.9	621.2
15°	580.4	584.3	586.8	590.7	594.7	598.1	602.0	606.9	609.3	613.3	617.2
17.5°	572.8	577.0	580.1	583.7	588.6	592.3	595.6	600.5	603.5	607.8	612.4
20°	564.8	569.1	572.8	576.4	581.3	584.9	588.9	593.8	597.1	601.4	605.1
22.5°	555.4	559.4	563.3	567.6	572.5	575.5	580.1	584.3	588.0	592.0	595.6
25°	543.2	548.1	551.1	555.1	559.1	562.4	567.3	571.5	574.6	578.2	581.6
27.5°	528.9	532.6	535.0	538.3	542.3	545.3	549.0	553.3	556.3	559.7	562.1
30°	504.5	507.9	510.0	512.4	516.4	519.1	522.2	526.1	528.3	530.7	532.9
32.5°	472.5	475.3	476.5	478.3	481.1	483.8	486.2	489.6	490.5	492.0	492.0
35°	426.2	426.8	426.5	427.1	428.4	429.9	432.0	434.1	435.4	435.4	434.5
37.5°	372.0	368.3	364.4	361.3	360.4	359.8	361.0	361.9	363.2	363.8	362.2
40°	315.6	307.4	298.6	290.6	285.2	282.7	281.8	282.4	282.4	284.5	284.5
42.5°	267.2	254.4	241.3	229.4	221.5	215.4	212.7	212.7	213.0	214.5	215.4
45°	227.0	210.8	195.6	182.5	171.5	163.6	159.9	159.0	158.7	159.3	161.5
47.5°	196.2	179.4	163.6	147.5	135.9	128.0	124.6	123.4	122.2	123.4	123.7
50°	172.1	154.8	138.0	121.9	109.7	102.7	98.4	96.6	96.3	96.3	96.9
52.5°	150.2	134.1	117.3	100.8	88.0	81.3	77.4	76.5	75.3	76.5	76.5
55°	129.5	113.3	96.9	81.3	70.7	63.7	60.0	58.8	58.2	59.1	59.1
57.5°	106.9	93.2	78.0	64.0	53.3	48.4	45.7	44.2	43.9	44.5	43.9
60°	87.7	76.2	63.1	50.3	42.0	36.9	34.7	34.1	33.5	34.1	34.1
62.5°	69.5	59.7	49.0	39.3	32.3	28.6	26.2	26.2	25.9	25.9	26.2
65°	51.5	43.9	36.3	28.0	22.5	19.8	18.0	18.0	17.7	18.0	17.7
67.5°	37.5	32.3	26.2	20.4	16.2	14.6	13.4	12.5	13.1	12.5	12.2
70°	27.4	23.1	18.9	15.5	12.5	11.0	10.1	9.7	9.1	9.1	9.1
72.5°	18.3	15.5	12.8	10.1	8.2	6.7	6.4	5.8	5.2	5.5	6.1
75°	12.2	10.4	9.1	7.3	5.5	5.5	3.7	3.7	3.0	3.7	2.7
77.5°	8.5	7.0	5.5	4.6	3.7	3.3	2.4	2.4	2.1	2.1	2.1
80°	6.1	5.2	4.0	3.3	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.7	2.7	2.7	2.4	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.1	1.8	1.5	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.2	0.6	0.6	0.3	0.0	0.3	0.3	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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	627.6	627.3	627.9	627.9	629.7	629.4	630.3	630.3	629.7	630.0	631.3
5°	629.7	630.7	632.5	634.0	636.7	638.0	639.5	641.0	641.3	642.2	643.1
7.5°	629.7	632.8	634.9	637.7	641.3	643.4	646.8	649.5	650.8	652.3	654.1
10°	628.5	631.6	635.5	638.6	643.1	646.5	649.8	654.1	655.9	658.4	660.8
12.5°	626.1	629.4	633.7	637.7	642.8	645.9	650.1	654.1	656.9	660.2	662.9
15°	622.4	626.4	630.3	634.3	639.8	643.4	647.4	652.0	654.7	658.4	660.8
17.5°	616.6	620.9	624.6	628.2	633.4	637.7	641.3	645.6	648.3	651.4	654.7
20°	609.6	613.6	617.5	620.6	625.8	629.4	633.4	637.4	639.5	640.1	645.3
22.5°	600.8	603.5	606.6	611.5	614.5	617.9	621.5	625.2	627.3	630.7	632.5
25°	586.2	588.9	592.3	594.4	598.1	600.8	604.4	608.4	609.6	612.1	613.9
27.5°	565.8	567.3	568.8	570.6	572.8	574.3	576.4	578.2	579.5	580.7	581.9
30°	533.5	533.5	533.5	532.2	533.2	534.1	534.4	534.1	534.1	533.8	533.8
32.5°	490.8	488.4	485.6	483.2	482.3	481.1	480.4	479.5	478.0	477.1	477.4
35°	433.2	427.7	424.4	421.3	418.9	417.1	416.2	415.3	415.0	413.7	412.5
37.5°	361.3	357.4	354.9	353.1	351.0	349.1	349.4	349.8	350.7	350.1	350.4
40°	285.2	284.2	285.2	283.0	282.4	283.0	284.5	286.7	287.9	289.1	291.3
42.5°	216.9	218.4	220.6	220.6	221.5	222.7	224.5	227.9	229.7	231.8	234.3
45°	163.3	165.1	167.9	168.8	169.4	170.9	173.1	175.8	177.0	178.8	181.0
47.5°	125.8	127.0	128.6	130.1	131.6	132.2	134.4	134.4	135.9	137.1	137.7
50°	98.1	99.3	100.5	101.4	102.1	103.0	103.6	104.5	104.8	105.4	105.7
52.5°	76.8	78.3	78.3	78.9	79.8	80.7	80.4	80.7	81.0	81.0	81.9
55°	60.0	60.0	60.9	60.9	61.5	61.2	61.5	61.5	61.5	61.5	61.8
57.5°	44.8	45.1	46.0	45.4	45.1	45.7	45.1	45.7	45.4	46.0	45.1
60°	34.4	34.4	34.7	34.7	35.0	35.0	35.0	34.7	34.7	34.4	34.4
62.5°	25.9	26.2	26.5	26.2	26.2	26.2	25.9	25.9	25.6	25.3	25.3
65°	17.4	17.1	17.7	17.1	17.4	17.4	17.1	17.4	16.5	16.8	16.5
67.5°	12.5	12.2	11.9	12.2	11.9	11.6	11.6	11.9	12.2	11.3	11.3
70°	8.2	8.5	8.2	8.5	8.8	8.8	8.5	8.2	8.5	7.9	8.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	4.9	4.9	4.6
75°	2.4	3.3	2.7	2.4	3.3	3.3	3.0	3.0	2.7	2.7	2.7
77.5°	2.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.5
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.5	1.2	1.2	0.9	1.5
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	631.0	630.7	631.0	631.3	631.0	630.7	631.0	631.3	630.0	629.7	630.3
5°	644.4	644.4	645.0	645.3	645.0	644.4	644.4	643.1	642.2	641.3	641.0
7.5°	655.9	656.5	657.2	657.5	657.2	656.5	655.9	654.1	652.3	650.8	649.5
10°	662.9	663.9	665.1	665.7	665.1	663.9	662.9	660.8	658.4	655.9	654.1
12.5°	666.0	666.9	668.4	668.1	668.4	666.9	666.0	662.9	660.2	656.9	654.1
15°	663.9	665.1	666.6	667.2	666.6	665.1	663.9	660.8	658.4	654.7	652.0
17.5°	657.2	659.0	659.9	660.8	659.9	659.0	657.2	654.7	651.4	648.3	645.6
20°	648.0	649.2	650.5	650.8	650.5	649.2	648.0	645.3	640.1	639.5	637.4
22.5°	634.9	635.8	638.6	637.7	638.6	635.8	634.9	632.5	630.7	627.3	625.2
25°	616.0	616.9	617.2	617.5	617.2	616.9	616.0	613.9	612.1	609.6	608.4
27.5°	583.4	583.4	584.0	584.3	584.0	583.4	583.4	581.9	580.7	579.5	578.2
30°	534.1	534.1	534.1	535.6	534.1	534.1	534.1	533.8	533.8	534.1	534.1
32.5°	477.1	476.5	475.9	476.5	475.9	476.5	477.1	477.4	477.1	478.0	479.5
35°	412.5	412.2	413.1	411.9	413.1	412.2	412.5	412.5	413.7	415.0	415.3
37.5°	350.7	350.1	351.3	350.1	351.3	350.1	350.7	350.4	350.1	350.7	349.8
40°	291.9	292.5	292.5	294.9	292.5	292.5	291.9	291.3	289.1	287.9	286.7
42.5°	235.5	237.3	236.7	238.6	236.7	237.3	235.5	234.3	231.8	229.7	227.9
45°	182.2	183.4	183.4	184.0	183.4	183.4	182.2	181.0	178.8	177.0	175.8
47.5°	139.8	139.8	139.8	140.1	139.8	139.8	139.8	137.7	137.1	135.9	134.4
50°	106.3	106.6	106.9	107.2	106.9	106.6	106.3	105.7	105.4	104.8	104.5
52.5°	81.6	81.9	81.3	81.9	81.3	81.9	81.6	81.9	81.0	81.0	80.7
55°	61.8	61.5	61.8	62.1	61.8	61.5	61.8	61.8	61.5	61.5	61.5
57.5°	45.4	44.8	44.8	44.8	44.8	44.8	45.4	45.1	46.0	45.4	45.7
60°	33.8	34.1	34.1	34.4	34.1	34.1	33.8	34.4	34.4	34.7	34.7
62.5°	25.0	25.9	25.3	25.9	25.3	25.9	25.0	25.3	25.3	25.6	25.9
65°	16.2	16.2	16.2	16.5	16.2	16.2	16.2	16.5	16.8	16.5	17.4
67.5°	11.0	11.3	11.9	11.6	11.9	11.3	11.0	11.3	11.3	12.2	11.9
70°	8.8	7.9	7.9	8.8	7.9	7.9	8.8	8.2	7.9	8.5	8.2
72.5°	5.2	4.6	5.2	5.2	5.2	4.6	5.2	4.6	4.9	4.9	5.5
75°	2.7	2.4	2.1	3.0	2.1	2.4	2.7	2.7	2.7	2.7	3.0
77.5°	1.8	1.5	2.1	2.1	2.1	1.5	1.8	1.5	1.8	1.5	1.8
80°	0.9	1.2	0.9	1.5	0.9	1.2	0.9	1.5	0.9	1.2	1.2
82.5°	0.3	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	0.3	0.3	0.3	0.6	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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	630.3	629.4	629.7	627.9	627.9	627.3	627.6	626.1	625.5	624.9	625.8
5°	639.5	638.0	636.7	634.0	632.5	630.7	629.7	627.3	625.2	623.3	623.0
7.5°	646.8	643.4	641.3	637.7	634.9	632.8	629.7	626.4	623.6	621.2	619.4
10°	649.8	646.5	643.1	638.6	635.5	631.6	628.5	624.2	620.6	617.2	615.1
12.5°	650.1	645.9	642.8	637.7	633.7	629.4	626.1	621.2	616.9	613.6	610.2
15°	647.4	643.4	639.8	634.3	630.3	626.4	622.4	617.2	613.3	609.3	606.9
17.5°	641.3	637.7	633.4	628.2	624.6	620.9	616.6	612.4	607.8	603.5	600.5
20°	633.4	629.4	625.8	620.6	617.5	613.6	609.6	605.1	601.4	597.1	593.8
22.5°	621.5	617.9	614.5	611.5	606.6	603.5	600.8	595.6	592.0	588.0	584.3
25°	604.4	600.8	598.1	594.4	592.3	588.9	586.2	581.6	578.2	574.6	571.5
27.5°	576.4	574.3	572.8	570.6	568.8	567.3	565.8	562.1	559.7	556.3	553.3
30°	534.4	534.1	533.2	532.2	533.5	533.5	533.5	532.9	530.7	528.3	526.1
32.5°	480.4	481.1	482.3	483.2	485.6	488.4	490.8	492.0	492.0	490.5	489.6
35°	416.2	417.1	418.9	421.3	424.4	427.7	433.2	434.5	435.4	435.4	434.1
37.5°	349.4	349.1	351.0	353.1	354.9	357.4	361.3	362.2	363.8	363.2	361.9
40°	284.5	283.0	282.4	283.0	285.2	284.2	285.2	284.5	284.5	282.4	282.4
42.5°	224.5	222.7	221.5	220.6	220.6	218.4	216.9	215.4	214.5	213.0	212.7
45°	173.1	170.9	169.4	168.8	167.9	165.1	163.3	161.5	159.3	158.7	159.0
47.5°	134.4	132.2	131.6	130.1	128.6	127.0	125.8	123.7	123.4	122.2	123.4
50°	103.6	103.0	102.1	101.4	100.5	99.3	98.1	96.9	96.3	96.3	96.6
52.5°	80.4	80.7	79.8	78.9	78.3	78.3	76.8	76.5	76.5	75.3	76.5
55°	61.5	61.2	61.5	60.9	60.9	60.0	60.0	59.1	59.1	58.2	58.8
57.5°	45.1	45.7	45.1	45.4	46.0	45.1	44.8	43.9	44.5	43.9	44.2
60°	35.0	35.0	35.0	34.7	34.7	34.4	34.4	34.1	34.1	33.5	34.1
62.5°	25.9	26.2	26.2	26.2	26.5	26.2	25.9	26.2	25.9	25.9	26.2
65°	17.1	17.4	17.4	17.1	17.7	17.1	17.4	17.7	18.0	17.7	18.0
67.5°	11.6	11.6	11.9	12.2	11.9	12.2	12.5	12.2	12.5	13.1	12.5
70°	8.5	8.8	8.8	8.5	8.2	8.5	8.2	9.1	9.1	9.1	9.7
72.5°	5.5	5.5	5.2	5.2	5.2	5.2	5.2	6.1	5.5	5.2	5.8
75°	3.0	3.3	3.3	2.4	2.7	3.3	2.4	2.7	3.7	3.0	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.8	1.5	1.5	1.8
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
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	0.6	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°	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	623.3	623.3	623.0	622.4	621.2	621.2	620.9	620.0	619.4	619.1	619.1
5°	620.3	619.1	617.9	614.5	614.5	613.9	612.1	610.8	610.2	608.7	608.1
7.5°	617.5	613.9	611.8	609.6	606.9	605.7	603.5	602.6	600.5	599.0	598.1
10°	610.8	608.4	605.7	602.3	600.2	597.7	595.3	593.5	590.7	589.2	588.0
12.5°	606.3	602.6	600.2	596.5	592.9	590.7	587.4	585.3	582.5	579.5	577.6
15°	602.0	598.1	594.7	590.7	586.8	584.3	580.4	577.9	574.0	570.9	568.8
17.5°	595.6	592.3	588.6	583.7	580.1	577.0	572.8	569.7	566.1	562.1	560.0
20°	588.9	584.9	581.3	576.4	572.8	569.1	564.8	561.5	557.2	553.6	551.1
22.5°	580.1	575.5	572.5	567.6	563.3	559.4	555.4	551.4	547.5	544.4	541.7
25°	567.3	562.4	559.1	555.1	551.1	548.1	543.2	540.8	536.8	534.1	531.3
27.5°	549.0	545.3	542.3	538.3	535.0	532.6	528.9	526.5	523.1	520.7	518.5
30°	522.2	519.1	516.4	512.4	510.0	507.9	504.5	502.4	499.9	497.2	496.6
32.5°	486.2	483.8	481.1	478.3	476.5	475.3	472.5	471.3	468.9	467.3	465.8
35°	432.0	429.9	428.4	427.1	426.5	426.8	426.2	427.4	428.0	427.7	428.0
37.5°	361.0	359.8	360.4	361.3	364.4	368.3	372.0	377.5	381.1	384.8	388.1
40°	281.8	282.7	285.2	290.6	298.6	307.4	315.6	326.0	336.4	343.7	350.4
42.5°	212.7	215.4	221.5	229.4	241.3	254.4	267.2	282.4	294.9	307.1	315.6
45°	159.9	163.6	171.5	182.5	195.6	210.8	227.0	244.0	259.0	271.5	280.9
47.5°	124.6	128.0	135.9	147.5	163.6	179.4	196.2	213.9	229.4	241.6	249.8
50°	98.4	102.7	109.7	121.9	138.0	154.8	172.1	189.5	204.1	214.5	221.8
52.5°	77.4	81.3	88.0	100.8	117.3	134.1	150.2	167.3	180.1	190.1	195.0
55°	60.0	63.7	70.7	81.3	96.9	113.3	129.5	144.1	156.0	163.3	167.9
57.5°	45.7	48.4	53.3	64.0	78.0	93.2	106.9	121.6	130.7	135.9	138.9
60°	34.7	36.9	42.0	50.3	63.1	76.2	87.7	98.7	106.0	110.3	113.3
62.5°	26.2	28.6	32.3	39.3	49.0	59.7	69.5	77.7	83.8	86.5	88.7
65°	18.0	19.8	22.5	28.0	36.3	43.9	51.5	57.6	61.5	64.6	65.8
67.5°	13.4	14.6	16.2	20.4	26.2	32.3	37.5	41.7	46.0	47.2	49.4
70°	10.1	11.0	12.5	15.5	18.9	23.1	27.4	29.9	32.9	35.0	35.7
72.5°	6.4	6.7	8.2	10.1	12.8	15.5	18.3	20.4	22.2	23.5	24.1
75°	3.7	5.5	5.5	7.3	9.1	10.4	12.2	13.7	14.6	15.5	15.5
77.5°	2.4	3.3	3.7	4.6	5.5	7.0	8.5	9.4	10.4	10.7	10.7
80°	2.1	2.4	2.4	3.3	4.0	5.2	6.1	6.4	7.0	7.3	7.9
82.5°	0.9	1.2	1.5	2.4	2.7	2.7	3.7	4.0	4.6	4.9	4.9
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.1	2.4	2.7	2.7	3.0
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	1.8	1.8
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):

	330°	335°	340°	345°	350°	355°	360°
0°	623.9	623.9	623.9	623.9	623.9	623.9	623.9
2.5°	618.5	618.8	617.5	617.2	616.6	616.9	617.5
5°	607.2	607.5	606.3	605.1	605.1	604.7	605.1
7.5°	596.5	596.8	595.0	594.4	593.2	593.5	593.5
10°	585.9	585.9	583.1	582.8	581.9	581.6	581.6
12.5°	575.5	574.6	572.5	571.2	571.9	570.0	570.0
15°	566.4	564.8	562.1	561.2	559.7	559.1	559.1
17.5°	556.9	555.7	553.3	551.4	549.6	549.3	549.6
20°	547.8	546.6	543.5	542.3	540.8	540.8	540.2
22.5°	538.6	537.4	534.7	533.8	531.6	531.6	531.9
25°	529.2	528.3	525.2	524.6	524.3	523.1	523.7
27.5°	516.4	515.8	513.4	512.4	511.2	510.9	511.5
30°	492.9	492.0	490.2	489.3	487.2	487.5	488.1
32.5°	463.7	462.5	460.0	459.1	457.3	456.7	457.0
35°	427.1	426.2	424.1	424.1	422.3	421.6	422.3
37.5°	390.0	390.9	390.0	390.9	390.0	389.7	390.0
40°	354.9	358.3	358.9	362.2	361.0	362.8	362.5
42.5°	321.4	326.9	329.0	331.8	331.2	332.4	333.3
45°	287.6	292.2	294.3	296.1	296.4	297.0	297.4
47.5°	255.6	259.3	259.6	261.7	261.4	261.4	262.3
50°	225.8	228.2	228.8	230.3	229.1	228.5	228.8
52.5°	198.0	200.5	199.9	200.5	198.9	198.3	198.6
55°	169.7	170.9	170.9	170.9	169.1	169.1	169.1
57.5°	140.8	141.1	140.4	140.8	140.4	138.6	138.3
60°	114.3	114.3	113.9	114.3	113.3	112.4	112.4
62.5°	89.3	89.9	91.1	89.9	89.3	89.9	89.0
65°	66.7	67.9	67.6	68.2	67.9	67.9	67.3
67.5°	50.3	50.6	50.9	51.2	51.2	51.2	51.2
70°	36.9	37.8	37.5	37.5	37.5	37.5	39.3
72.5°	24.7	25.9	25.6	26.2	26.2	26.8	26.2
75°	16.8	18.0	17.4	18.3	18.0	17.4	18.9
77.5°	11.3	11.9	12.2	12.5	12.2	11.9	12.2
80°	7.9	8.5	8.2	8.5	8.5	8.5	8.8
82.5°	4.9	5.8	5.5	5.8	5.5	5.8	5.8
85°	3.3	3.7	3.0	3.7	3.3	3.3	4.0
87.5°	2.1	1.8	1.8	2.1	1.8	2.1	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)