

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: STREETWORKS

Report Number: P560103

Luminaire Tested: **SDL-PA1-20-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1412.9 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U2 - G1

Input Watts (W): 21
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: 24 FT

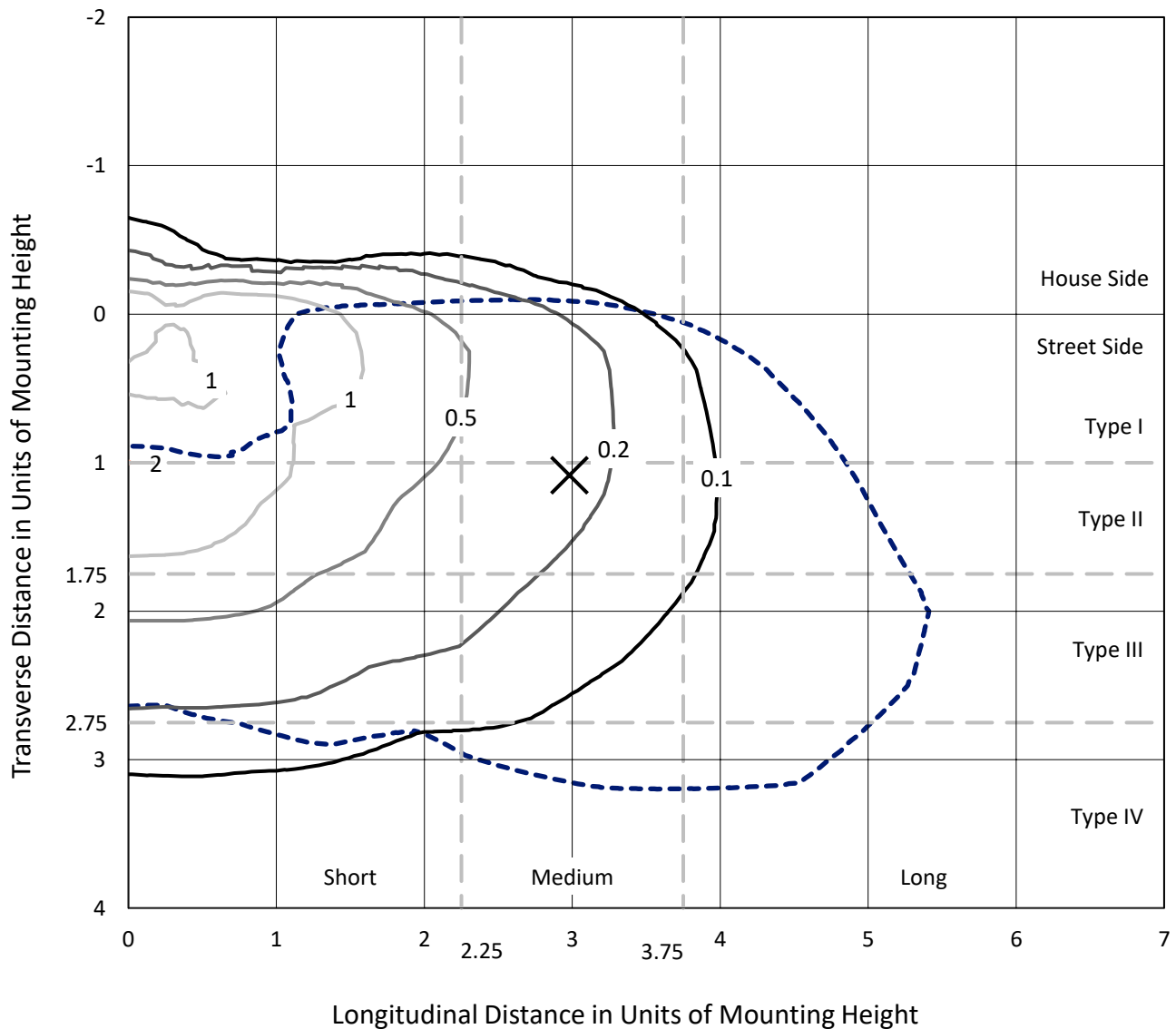


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

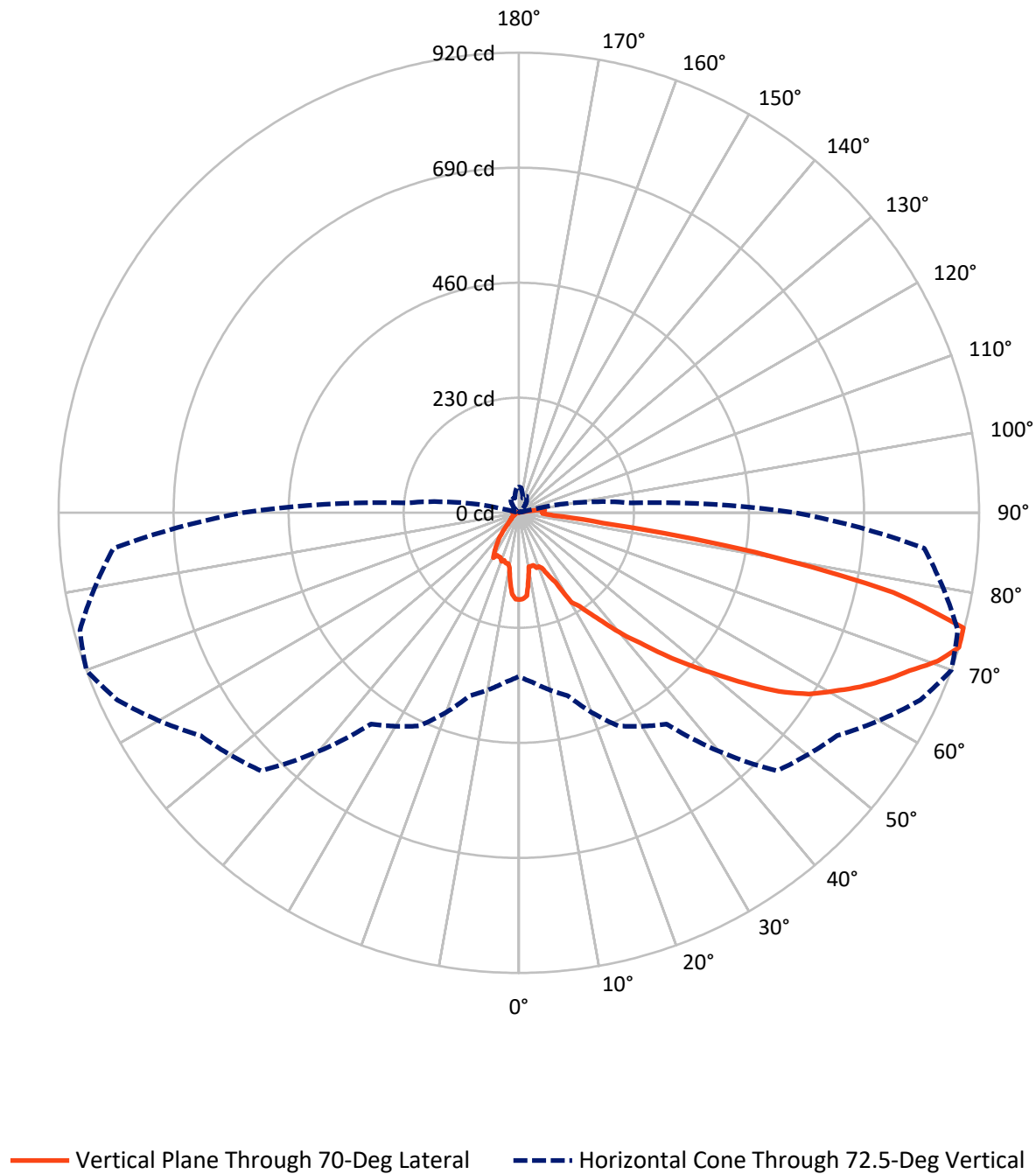


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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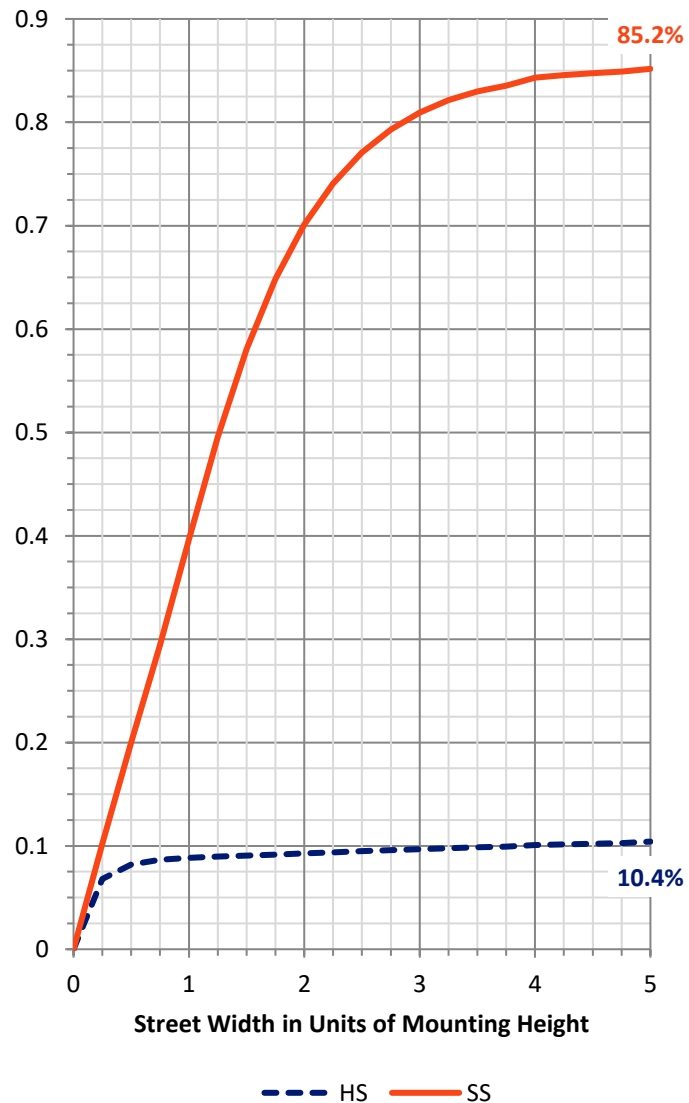
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	162.0	22.8	184.7
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1209.7	18.4	1228.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	1371.7	41.2	1412.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.9
10°-20°	26.5	1.9
20°-30°	42.9	3.0
30°-40°	91.6	6.5
40°-50°	180.0	12.7
50°-60°	300.6	21.3
60°-70°	373.1	26.4
70°-80°	287.4	20.3
80°-90°	56.2	4.0
90°-100°	30.5	2.2
100°-110°	6.3	0.4
110°-120°	1.8	0.1
120°-130°	1.4	0.1
130°-140°	0.6	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1371.7	97.1
0°-180°	1412.9	100.0

Coefficient of Utilization



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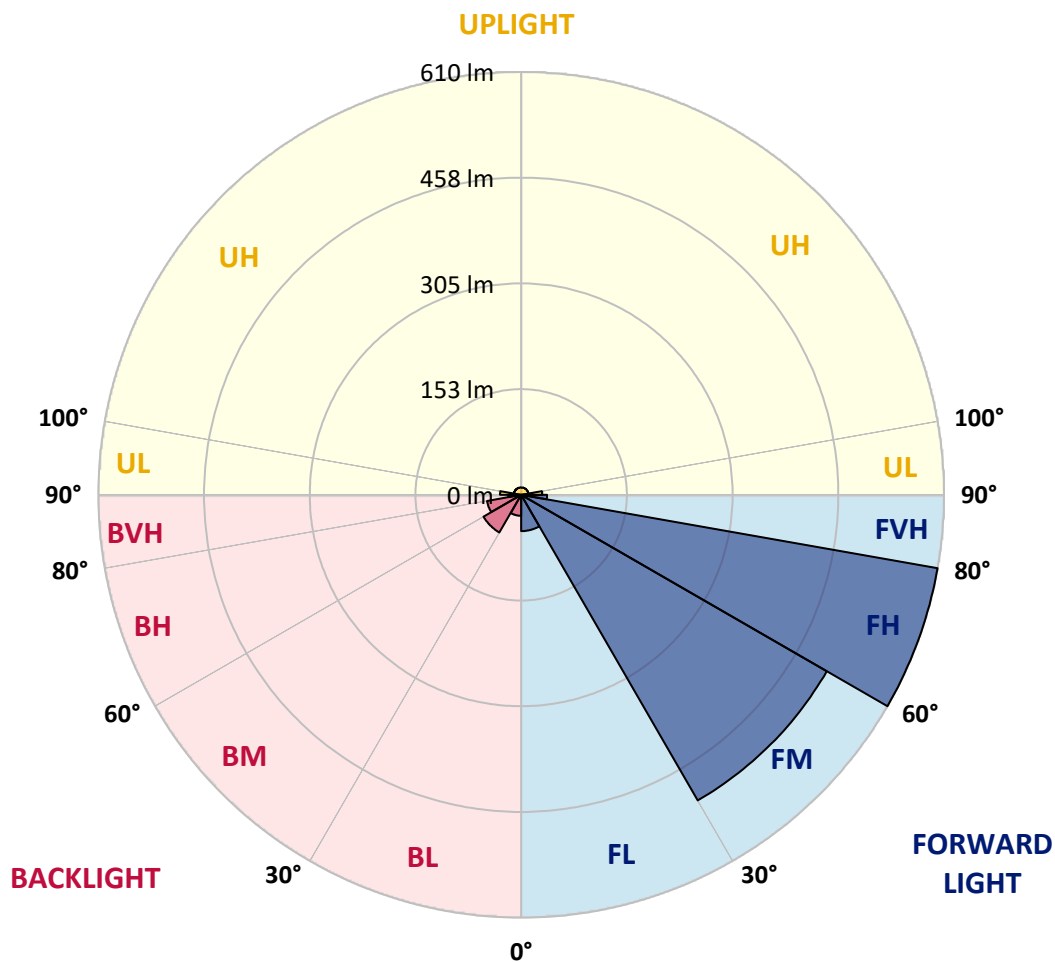
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.4	3.7			
FM	(30°-60°)	509.5	36.1			
FH	(60°-80°)	610.5	43.2			G0/660
FVH	(80°-90°)	37.4	2.6			G1/100
BL	(0°-30°)	30.3	2.1	B0/110		
BM	(30°-60°)	62.8	4.4	B0/220		
BH	(60°-80°)	50.1	3.5	B0/110		G0/110
BVH	(80°-90°)	18.8	1.3			G1/100
UL	(90°-100°)	30.5	2.2		U2/50	
UH	(100°-180°)	10.7	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5
2.5°	146.3	162.5	163.3	164.7	166.2	168.4	172.1	172.1	172.1	172.1	172.8
5°	139.0	139.0	139.0	140.5	140.5	141.9	142.7	164.7	166.9	169.1	169.1
7.5°	115.5	126.5	127.2	131.6	136.8	139.0	140.5	139.0	136.8	145.6	149.3
10°	126.5	126.5	126.5	128.0	120.6	116.9	108.1	108.8	109.6	116.2	132.4
12.5°	105.2	111.8	118.4	125.7	116.2	104.4	102.2	108.1	109.6	97.8	116.2
15°	122.8	122.1	122.1	115.5	96.3	104.4	91.2	96.3	108.8	119.1	138.3
17.5°	101.5	98.5	114.7	113.2	103.0	82.4	105.2	104.4	115.5	106.6	119.1
20°	120.6	119.9	119.9	92.7	102.2	111.0	109.6	102.2	114.7	128.0	150.8
22.5°	101.5	100.0	103.0	111.0	101.5	114.7	100.0	126.5	120.6	116.9	109.6
25°	128.0	127.2	127.2	101.5	114.7	105.2	126.5	115.5	139.7	152.2	166.2
27.5°	114.7	114.7	109.6	117.7	109.6	132.4	121.3	145.6	158.1	166.2	200.8
30°	158.8	159.6	150.8	116.9	122.1	124.3	143.4	180.2	207.4	227.2	248.6
32.5°	228.7	224.3	187.5	159.6	129.4	153.7	158.8	209.6	222.8	244.1	262.5
35°	311.1	308.9	276.5	206.6	155.9	164.7	177.2	228.0	248.6	269.9	280.9
37.5°	367.7	365.5	344.9	263.3	188.3	191.9	193.4	253.7	280.2	301.5	306.7
40°	414.0	410.3	397.8	307.4	231.6	224.3	216.9	289.0	319.2	336.8	339.0
42.5°	483.9	478.0	446.4	358.1	275.8	267.7	242.7	319.9	355.9	379.5	380.9
45°	567.7	562.6	518.4	428.7	322.8	320.6	288.3	359.6	402.2	430.2	422.1
47.5°	625.1	611.1	586.1	496.4	395.6	376.5	339.0	400.0	452.3	494.2	471.4
50°	677.3	667.0	645.7	571.4	474.3	448.6	392.0	446.4	505.2	543.4	512.6
52.5°	725.8	710.4	692.7	627.3	542.0	529.5	444.2	492.7	566.2	597.9	555.2
55°	750.1	725.8	722.9	678.0	594.2	583.9	503.0	550.1	630.2	652.3	595.7
57.5°	710.4	709.6	732.4	708.9	636.8	631.7	562.6	611.8	683.9	694.2	635.4
60°	683.9	684.6	719.2	720.7	674.3	677.3	616.2	683.2	723.6	730.2	672.9
62.5°	637.6	642.7	694.9	728.8	683.9	720.7	661.8	732.4	766.3	768.5	719.2
65°	579.5	584.6	637.6	706.7	673.6	749.3	700.1	787.6	805.2	806.7	769.9
67.5°	511.8	514.0	572.9	649.3	648.6	759.6	723.6	824.4	842.7	847.2	813.3
70°	436.8	433.9	487.6	575.8	594.9	754.5	752.3	860.4	888.3	887.6	843.5
72.5°	327.2	341.2	378.7	469.9	515.5	729.5	776.6	885.4	920.0	908.2	813.3
75°	111.8	119.1	220.6	299.3	397.1	662.6	781.7	886.9	917.7	865.5	665.5
77.5°	36.8	34.6	49.3	119.1	220.6	458.9	687.6	773.6	765.5	672.9	408.9
80°	17.6	18.4	22.1	41.9	80.9	208.1	431.7	489.8	478.7	353.0	177.2
82.5°	11.8	12.5	14.7	24.3	45.6	71.3	229.4	223.6	169.1	111.0	72.8
85°	5.1	5.1	7.4	12.5	27.9	47.1	87.5	76.5	69.1	64.0	59.6
87.5°	1.5	1.5	2.9	4.4	9.6	29.4	49.3	46.3	47.8	50.0	56.6
90°	1.5	1.5	1.5	1.5	7.4	30.9	50.0	47.1	47.1	50.0	59.6
92.5°	2.2	2.2	1.5	1.5	6.6	30.9	52.2	44.9	47.8	50.7	64.0
95°	2.2	2.9	1.5	0.7	5.1	31.6	53.7	47.8	52.2	51.5	68.4
97.5°	2.9	2.9	1.5	0.7	2.9	27.2	54.4	39.0	39.7	36.8	53.7
100°	3.7	3.7	1.5	1.5	2.2	14.0	40.4	25.0	15.4	11.8	17.6
102.5°	4.4	4.4	1.5	1.5	1.5	5.1	18.4	14.7	8.1	2.2	4.4
105°	4.4	5.1	1.5	1.5	0.7	2.2	8.1	5.9	2.9	2.2	4.4
107.5°	5.1	5.1	1.5	1.5	0.7	1.5	2.2	2.2	1.5	2.2	4.4
110°	5.1	5.1	2.2	1.5	0.7	1.5	0.7	1.5	1.5	2.2	5.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.7	3.7	1.5	2.2	0.7	0.7	0.7	1.5	1.5	2.2	4.4
115°	2.2	1.5	0.7	1.5	0.7	0.7	0.7	1.5	1.5	1.5	3.7
117.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.2	4.4
120°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.9	5.1
122.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.9	5.9
125°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	5.1
127.5°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	1.5	2.2	4.4
130°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	1.5	2.9
132.5°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	1.5	2.9
135°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5
137.5°	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
140°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	1.5	1.5	0.7	0.7
155°	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	1.5	1.5
157.5°	0.0	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5	173.5
2.5°	172.8	172.8	172.1	173.5	172.8	172.8	163.3	153.7	151.5	152.2	153.7
5°	169.9	169.9	169.9	158.1	144.9	140.5	141.9	141.9	141.9	141.2	142.7
7.5°	150.0	149.3	147.1	133.8	139.7	139.0	138.3	136.8	119.1	114.7	114.7
10°	133.1	133.1	114.0	108.8	108.8	113.2	116.2	111.8	109.6	105.9	105.2
12.5°	116.9	116.9	97.8	108.8	91.9	91.2	89.0	81.6	69.1	60.3	61.0
15°	139.0	139.0	115.5	92.7	77.2	72.8	45.6	42.7	41.2	40.4	39.7
17.5°	118.4	119.1	106.6	91.9	72.1	38.2	32.4	32.4	32.4	30.9	27.9
20°	150.0	150.0	124.3	82.4	54.4	30.2	25.0	22.1	30.2	30.2	30.2
22.5°	108.8	107.4	109.6	83.8	33.8	24.3	20.6	25.7	27.2	22.8	22.8
25°	164.7	162.5	133.1	60.3	27.9	19.1	22.8	19.9	25.7	25.7	25.7
27.5°	203.0	188.3	135.3	55.2	20.6	22.1	18.4	22.1	19.9	19.1	19.1
30°	244.1	237.5	163.3	43.4	19.9	18.4	19.1	17.6	20.6	19.1	19.1
32.5°	257.4	250.8	147.8	33.8	19.1	17.6	16.2	16.9	16.2	16.9	16.9
35°	274.3	267.7	130.9	25.7	17.6	15.4	14.7	14.7	14.0	13.2	13.2
37.5°	298.6	287.5	111.8	22.1	16.2	14.0	11.8	11.0	11.8	14.7	15.4
40°	326.5	308.1	88.2	19.9	14.0	11.8	8.8	10.3	12.5	12.5	12.5
42.5°	367.0	333.1	65.4	18.4	12.5	9.6	6.6	8.1	9.6	13.2	13.2
45°	402.2	347.8	46.3	16.9	10.3	7.4	5.1	8.1	10.3	11.8	11.8
47.5°	443.4	361.8	34.6	16.2	9.6	5.1	5.9	8.1	8.1	12.5	12.5
50°	478.0	364.7	27.9	14.7	7.4	3.7	7.4	7.4	8.8	11.0	11.0
52.5°	510.3	367.7	25.0	13.2	5.9	2.9	7.4	7.4	10.3	13.2	13.2
55°	531.7	358.9	22.8	11.8	5.1	2.2	8.1	8.1	8.1	10.3	10.3
57.5°	548.6	347.8	21.3	10.3	4.4	4.4	8.8	10.3	8.8	10.3	10.3
60°	559.6	328.0	18.4	9.6	3.7	4.4	11.0	13.2	10.3	15.4	15.4
62.5°	579.5	312.5	16.2	8.8	2.9	4.4	11.0	16.9	13.2	20.6	21.3
65°	595.7	298.6	14.0	6.6	2.9	5.9	12.5	21.3	16.2	25.7	26.5
67.5°	602.3	281.6	11.8	5.9	2.9	6.6	16.2	26.5	20.6	30.2	30.2
70°	597.1	264.0	9.6	5.9	2.9	10.3	21.3	30.9	25.0	36.8	37.5
72.5°	552.3	225.0	7.4	5.9	2.2	11.0	26.5	36.8	30.2	50.0	51.5
75°	422.8	142.7	7.4	5.9	2.9	12.5	30.9	42.7	36.0	55.9	58.1
77.5°	258.1	66.2	7.4	6.6	3.7	15.4	33.8	49.3	39.7	60.3	61.8
80°	114.7	41.2	7.4	7.4	7.4	19.1	39.7	54.4	44.9	64.0	66.2
82.5°	57.4	30.9	6.6	7.4	11.0	22.8	47.1	58.1	46.3	66.2	66.9
85°	49.3	27.9	6.6	8.1	11.8	26.5	50.7	58.8	48.5	65.4	66.2
87.5°	47.1	26.5	8.1	8.1	13.2	27.9	52.2	61.8	50.0	63.2	62.5
90°	49.3	25.7	8.8	9.6	16.9	28.7	52.9	60.3	50.0	59.6	59.6
92.5°	50.7	25.0	9.6	11.0	20.6	32.4	52.2	58.8	50.0	55.2	55.2
95°	52.2	25.0	11.0	12.5	20.6	35.3	50.0	53.7	46.3	49.3	48.5
97.5°	39.7	18.4	13.2	14.0	19.1	27.2	40.4	41.9	30.2	29.4	28.7
100°	14.0	8.1	13.2	15.4	11.8	11.8	24.3	29.4	17.6	11.0	12.5
102.5°	4.4	3.7	11.8	15.4	9.6	4.4	12.5	18.4	13.2	1.5	1.5
105°	4.4	4.4	6.6	12.5	6.6	1.5	4.4	10.3	8.1	1.5	1.5
107.5°	4.4	3.7	2.9	7.4	2.2	1.5	2.2	2.2	2.2	0.7	1.5
110°	5.1	3.7	1.5	2.2	1.5	1.5	1.5	1.5	1.5	2.9	2.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	3.7	1.5	2.2	1.5	1.5	1.5	0.7	1.5	3.7	4.4
115°	4.4	3.7	1.5	1.5	1.5	1.5	0.7	0.7	1.5	4.4	4.4
117.5°	5.1	4.4	1.5	1.5	0.7	1.5	0.7	0.7	1.5	4.4	5.1
120°	5.9	5.1	1.5	1.5	0.7	0.7	0.7	0.7	1.5	3.7	4.4
122.5°	5.9	5.9	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	3.7
125°	5.1	5.1	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	3.7
127.5°	4.4	4.4	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.9	3.7
130°	3.7	3.7	1.5	0.7	0.7	0.7	0.0	0.7	1.5	2.9	2.9
132.5°	2.9	2.2	1.5	0.7	0.7	0.7	0.0	0.7	1.5	2.2	2.9
135°	2.2	2.2	0.7	0.7	0.7	0.7	0.0	0.0	1.5	1.5	2.2
137.5°	1.5	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.5	1.5
140°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7
155°	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)