

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: P560107

Luminaire Tested: **SDL-PA1-20-827-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
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-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1373.9 lumens
Efficiency: N/A
Efficacy: 65.4 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

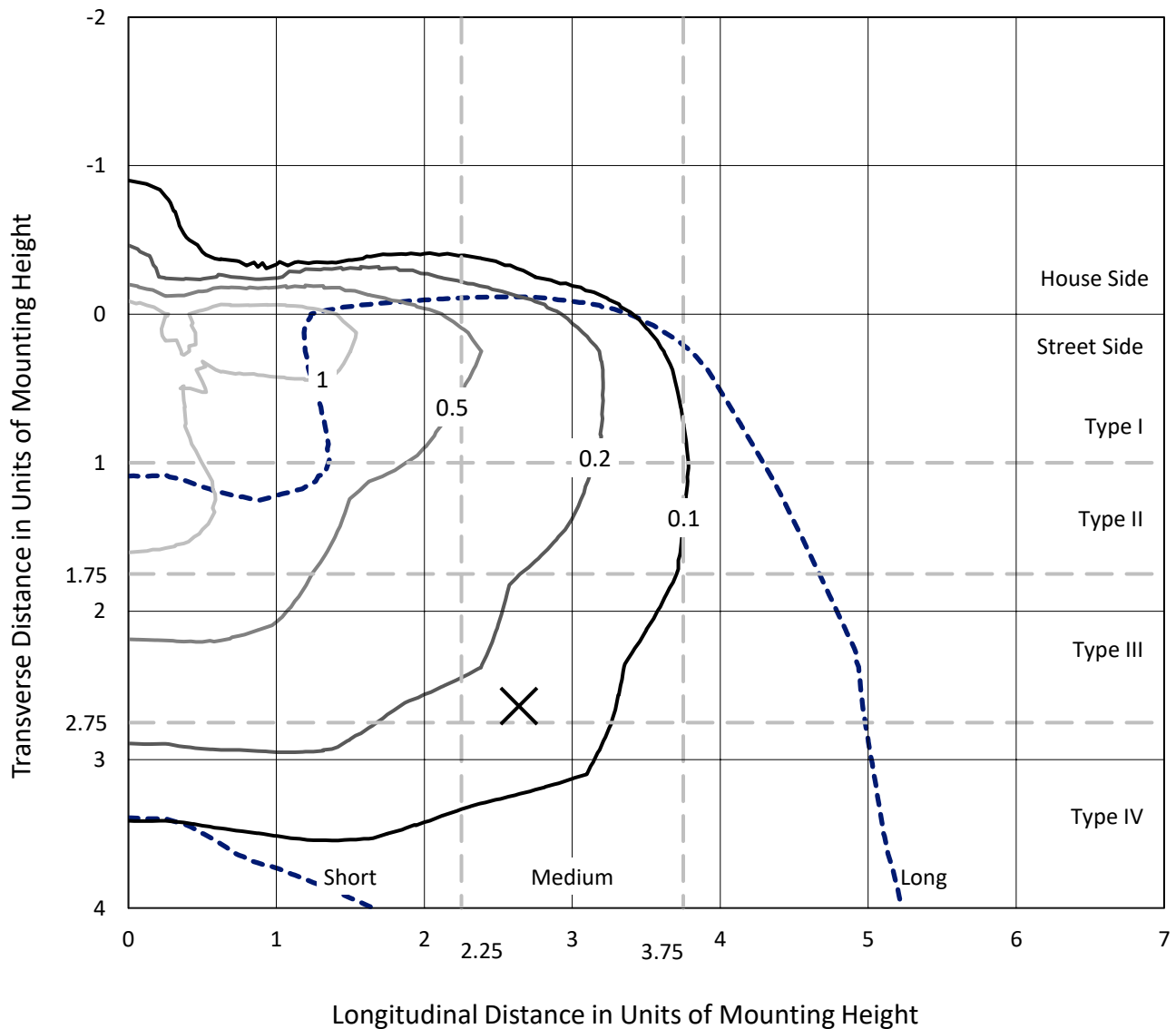


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

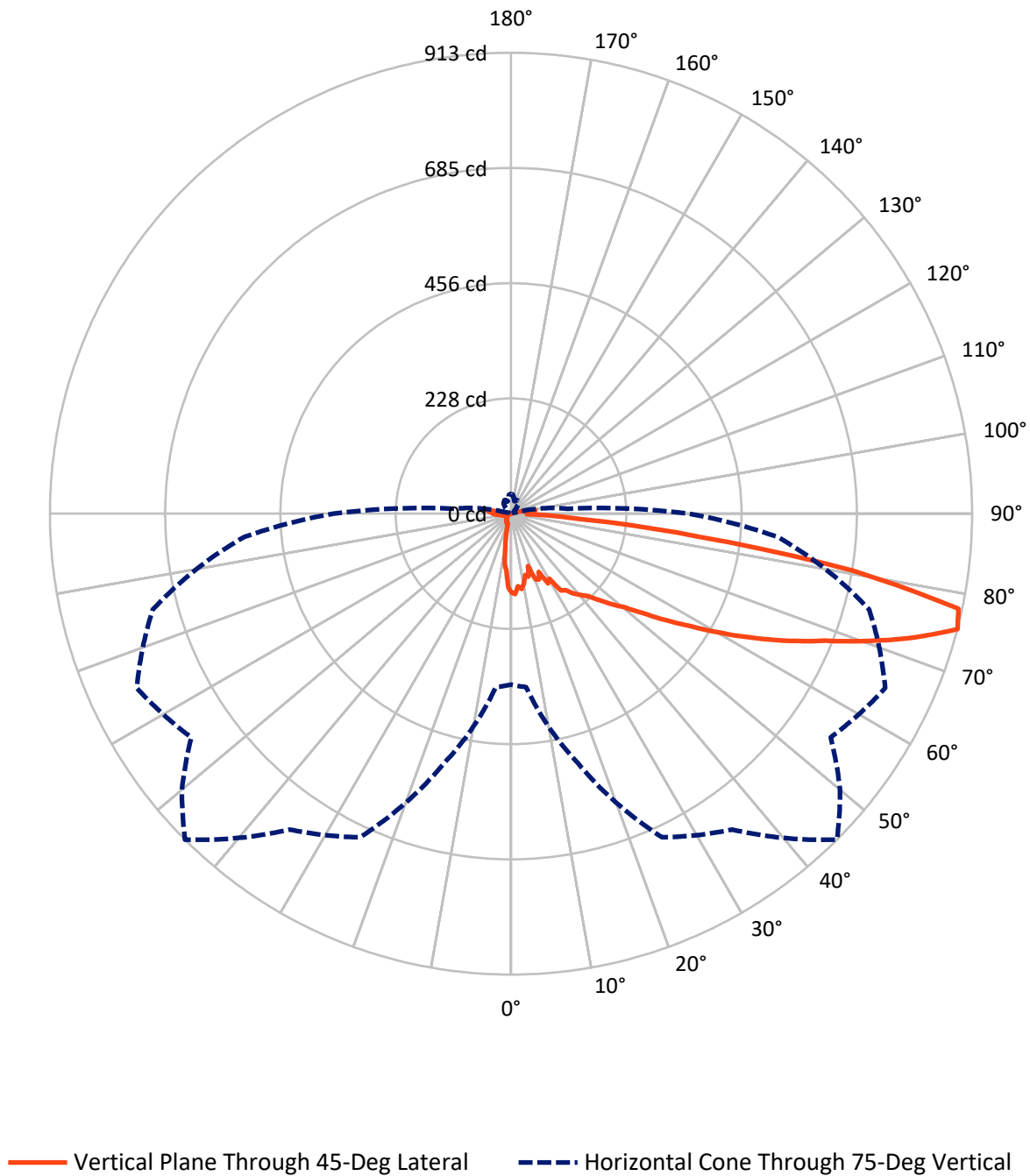


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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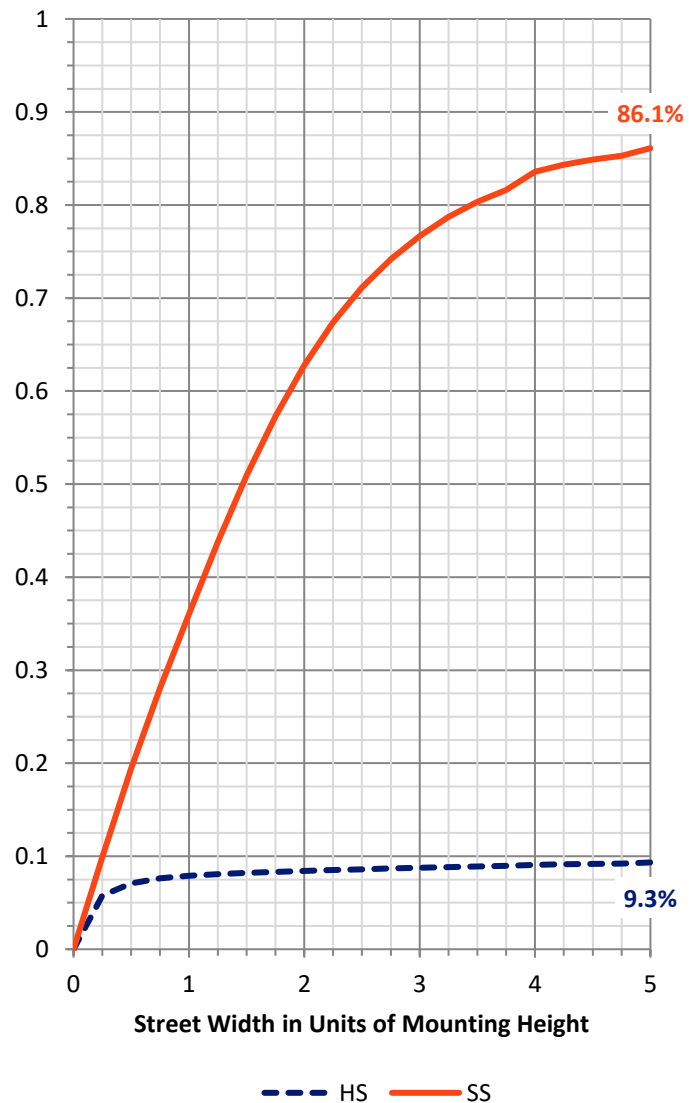
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	141.0	24.6	165.6
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1189.2	19.0	1208.3
	% Fixture	86.6	1.4	87.9
Total	Lumens	1330.2	43.7	1373.9
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.9
10°-20°	26.3	1.9
20°-30°	44.1	3.2
30°-40°	81.8	6.0
40°-50°	137.8	10.0
50°-60°	247.4	18.0
60°-70°	371.4	27.0
70°-80°	339.8	24.7
80°-90°	69.5	5.1
90°-100°	33.2	2.4
100°-110°	7.1	0.5
110°-120°	1.3	0.1
120°-130°	1.1	0.1
130°-140°	0.5	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1330.2	96.8
0°-180°	1373.9	100.0

Coefficient of Utilization



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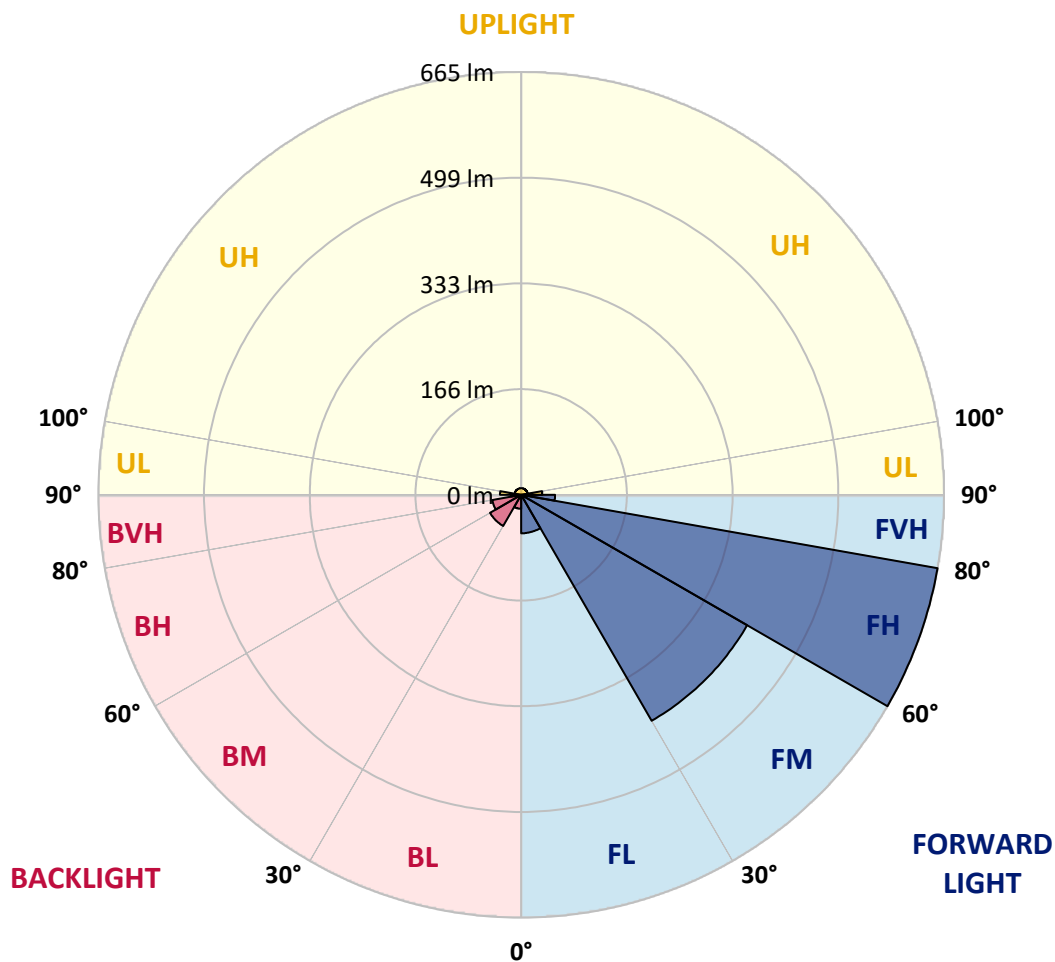
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.5	4.4			
FM	(30°-60°)	410.4	29.9			
FH	(60°-80°)	665.0	48.4			G1/1800
FVH	(80°-90°)	53.3	3.9			G1/100
BL	(0°-30°)	22.0	1.6	B0/110		
BM	(30°-60°)	56.6	4.1	B0/220		
BH	(60°-80°)	46.2	3.4	B0/110		G0/110
BVH	(80°-90°)	16.2	1.2			G1/100
UL	(90°-100°)	33.2	2.4		U2/50	
UH	(100°-180°)	10.4	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°	50°	55°	65°	75°	85°
0°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	152.1	159.5	157.3	161.0	160.2	159.5	159.5	160.2	159.5	158.0	156.5
5°	155.1	152.9	151.4	150.7	147.7	144.1	142.6	141.1	156.5	156.5	153.6
7.5°	159.5	159.5	156.5	154.3	154.3	150.7	147.0	144.1	136.7	134.5	134.5
10°	169.8	168.3	166.1	161.7	139.6	140.4	132.3	116.1	108.8	111.7	116.1
12.5°	172.0	171.2	168.3	167.6	147.0	124.9	103.6	116.1	111.0	92.6	102.9
15°	184.5	183.0	177.1	166.8	125.7	129.4	120.5	103.6	99.2	113.2	121.3
17.5°	157.3	157.3	176.4	161.7	136.7	108.8	108.0	120.5	108.8	101.4	100.7
20°	193.3	193.3	185.2	132.3	140.4	138.9	111.7	126.4	106.6	120.5	128.6
22.5°	161.0	160.2	166.1	163.9	134.5	141.8	114.7	115.4	127.2	108.8	93.3
25°	196.2	196.2	191.8	142.6	152.9	127.9	130.8	138.2	113.2	137.4	138.9
27.5°	169.0	168.3	160.2	163.2	142.6	156.5	119.1	130.1	138.9	148.5	163.2
30°	206.5	208.0	204.3	155.1	158.8	149.2	141.8	150.7	168.3	197.7	207.3
32.5°	255.0	256.5	217.6	186.7	159.5	181.5	152.1	166.1	193.3	207.3	217.6
35°	283.7	272.7	255.8	208.7	172.0	185.9	174.9	177.1	201.4	223.4	230.8
37.5°	308.0	293.3	273.4	215.3	181.5	200.6	182.3	185.2	218.3	238.1	247.7
40°	316.0	307.2	296.2	230.0	193.3	211.7	191.1	197.7	234.5	257.2	271.9
42.5°	335.9	336.6	330.0	250.6	205.8	223.4	205.8	210.2	255.8	283.7	305.0
45°	388.8	390.3	382.9	285.9	221.2	244.0	229.3	231.5	280.0	324.1	351.3
47.5°	456.4	451.3	443.9	332.9	244.7	267.5	256.5	254.3	308.7	377.0	401.3
50°	524.8	515.2	499.8	397.6	285.2	291.8	284.4	283.0	343.2	431.4	457.9
52.5°	596.1	588.7	556.4	458.6	345.4	327.1	319.0	327.1	388.1	491.7	515.9
55°	633.5	626.2	605.6	524.0	403.5	372.6	358.7	373.4	457.2	548.3	579.9
57.5°	664.4	662.2	652.7	592.4	474.1	421.1	407.2	421.1	512.3	601.2	638.7
60°	708.5	699.7	708.5	658.5	542.4	480.7	461.6	476.3	579.9	647.5	703.4
62.5°	740.1	737.9	755.6	732.8	599.7	543.1	515.2	529.2	639.4	696.8	767.3
65°	706.3	717.3	787.9	781.3	664.4	607.1	577.7	573.3	687.9	749.7	835.7
67.5°	646.0	653.4	756.3	806.3	721.0	671.8	636.5	615.9	732.8	797.4	890.1
70°	588.7	597.5	691.6	807.7	748.2	754.8	705.6	667.4	777.6	851.1	901.8
72.5°	543.1	551.2	635.8	790.1	757.8	837.9	781.3	721.7	821.0	852.6	787.9
75°	338.8	344.7	511.5	707.0	763.6	912.8	850.4	772.5	817.3	734.2	529.9
77.5°	104.4	106.6	219.0	466.7	663.7	905.5	838.6	726.2	685.0	466.0	241.8
80°	36.0	36.7	56.6	166.1	396.9	687.2	639.4	534.3	409.4	172.0	91.1
82.5°	16.9	18.4	26.5	55.9	161.7	375.6	377.8	317.5	172.0	76.4	61.7
85°	5.9	5.9	11.0	24.3	62.5	144.8	137.4	127.9	90.4	69.1	57.3
87.5°	2.2	2.2	3.7	6.6	15.4	30.9	39.0	47.8	47.8	48.5	58.1
90°	2.2	2.2	1.5	1.5	11.0	32.3	39.0	43.4	39.7	44.1	63.2
92.5°	2.2	2.2	1.5	1.5	11.8	37.5	43.4	47.0	41.9	47.0	69.8
95°	2.2	2.2	1.5	1.5	13.2	45.6	50.7	50.0	41.9	49.2	75.0
97.5°	2.9	2.9	1.5	0.7	11.8	48.5	54.4	52.9	36.0	37.5	58.8
100°	2.9	2.9	1.5	0.7	7.3	36.0	43.4	42.6	23.5	5.9	16.9
102.5°	2.9	2.9	1.5	0.7	1.5	16.9	20.6	21.3	14.0	2.2	2.9
105°	3.7	3.7	1.5	0.7	0.7	2.9	6.6	8.8	5.1	1.5	2.9
107.5°	3.7	3.7	1.5	0.7	0.7	1.5	1.5	2.2	2.2	1.5	3.7
110°	3.7	3.7	1.5	1.5	0.7	0.7	0.7	0.7	1.5	1.5	3.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	2.9	2.9	0.7	1.5	0.7	0.7	0.7	0.7	0.7	1.5	3.7
115°	1.5	1.5	0.7	0.7	0.0	0.7	0.7	0.7	0.7	1.5	2.9
117.5°	0.7	0.7	0.0	0.7	0.0	0.7	0.7	0.7	1.5	1.5	3.7
120°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	2.2	4.4
122.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	2.2	4.4
125°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	2.2	4.4
127.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	2.2	3.7
130°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.9
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.2
135°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	2.2	2.2	1.5	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7
152.5°	1.5	1.5	2.2	0.7	0.0	0.0	0.7	0.7	1.5	0.7	0.7
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	155.1	154.3	152.1	150.7	148.5	146.3	135.2	128.6	127.9	127.2	127.9
5°	152.1	149.9	146.3	129.4	121.3	113.9	111.7	110.2	106.6	106.6	107.3
7.5°	131.6	130.1	118.3	113.2	106.6	100.0	94.1	89.7	78.6	75.0	73.5
10°	115.4	112.5	91.9	81.6	75.0	67.6	67.6	61.7	58.8	56.6	55.9
12.5°	100.0	97.8	80.8	74.2	55.9	48.5	44.8	41.2	39.0	37.5	36.7
15°	116.9	113.2	86.7	59.5	41.2	34.5	27.2	26.5	33.1	34.5	35.3
17.5°	93.3	95.5	77.2	52.2	33.8	21.3	23.5	27.9	31.6	31.6	30.9
20°	124.2	119.1	83.8	41.9	24.3	21.3	22.8	20.6	29.4	31.6	31.6
22.5°	90.4	86.0	69.1	39.0	19.1	20.6	19.1	24.3	27.2	24.3	25.0
25°	134.5	127.9	80.1	27.2	19.8	17.6	22.0	19.1	26.5	28.7	29.4
27.5°	166.8	144.8	78.6	25.7	17.6	19.8	18.4	22.0	21.3	22.8	22.8
30°	199.2	186.7	88.9	23.5	17.6	16.9	19.1	19.1	24.3	26.5	26.5
32.5°	213.1	198.4	77.9	22.8	17.6	16.9	16.9	20.6	22.8	27.2	27.2
35°	227.8	208.0	65.4	21.3	16.9	16.2	16.2	20.6	24.3	27.2	27.9
37.5°	247.7	218.3	52.9	20.6	16.2	15.4	14.0	18.4	25.7	28.7	29.4
40°	272.7	233.0	41.2	19.1	14.7	14.0	13.2	18.4	22.0	25.7	25.7
42.5°	311.6	249.2	32.3	18.4	14.0	12.5	12.5	15.4	21.3	24.3	24.3
45°	351.3	268.3	27.2	17.6	13.2	11.8	11.8	15.4	16.2	20.6	20.6
47.5°	395.4	287.4	25.0	16.9	13.2	10.3	10.3	14.0	14.0	19.1	19.8
50°	441.0	303.5	23.5	16.2	11.8	9.6	11.8	9.6	11.8	18.4	19.8
52.5°	480.7	316.8	22.0	14.7	11.0	8.8	11.0	9.6	11.8	16.9	16.9
55°	521.1	324.1	21.3	14.0	10.3	7.3	11.0	10.3	11.0	15.4	15.4
57.5°	557.1	326.3	20.6	14.0	8.8	6.6	10.3	12.5	9.6	12.5	14.0
60°	589.4	324.1	18.4	12.5	6.6	6.6	11.0	14.7	13.2	14.7	14.7
62.5°	619.6	316.0	14.7	10.3	5.1	6.6	14.0	16.2	12.5	15.4	16.9
65°	645.3	305.0	11.0	8.1	3.7	7.3	14.7	18.4	14.7	17.6	19.1
67.5°	657.1	290.3	8.8	6.6	3.7	8.1	15.4	20.6	16.9	19.8	21.3
70°	637.2	260.2	7.3	6.6	2.9	9.6	16.2	22.0	19.1	25.0	25.7
72.5°	529.2	204.3	6.6	6.6	5.1	11.8	20.6	25.0	23.5	33.8	33.1
75°	350.6	111.7	6.6	5.9	6.6	14.0	25.0	29.4	25.7	38.2	38.2
77.5°	161.7	49.2	5.9	6.6	7.3	15.4	28.7	35.3	29.4	43.4	42.6
80°	70.6	30.1	5.9	5.9	8.1	16.9	32.3	39.7	32.3	47.8	47.8
82.5°	52.9	27.2	5.1	5.9	11.0	19.1	37.5	44.1	36.0	51.4	50.7
85°	49.2	25.7	5.9	6.6	12.5	24.3	44.1	47.8	37.5	52.9	52.9
87.5°	50.0	25.0	5.9	6.6	16.9	30.9	50.0	51.4	41.2	55.9	55.9
90°	51.4	25.7	6.6	7.3	19.1	33.8	55.9	55.1	46.3	58.8	58.8
92.5°	55.1	25.7	7.3	8.1	20.6	37.5	61.0	56.6	50.0	61.0	59.5
95°	57.3	25.7	8.1	8.8	24.3	41.2	64.7	55.1	52.9	56.6	55.1
97.5°	42.6	19.1	9.6	10.3	25.0	46.3	59.5	47.0	34.5	33.8	34.5
100°	14.0	6.6	10.3	11.0	16.2	32.3	44.1	33.8	18.4	14.0	14.0
102.5°	3.7	3.7	9.6	10.3	8.8	14.0	25.7	22.0	12.5	0.7	1.5
105°	3.7	2.9	5.9	8.1	5.1	3.7	10.3	12.5	9.6	0.7	0.7
107.5°	3.7	2.9	2.9	4.4	1.5	1.5	2.9	2.9	2.9	0.7	0.7
110°	3.7	2.9	1.5	1.5	1.5	1.5	1.5	0.7	0.7	1.5	1.5

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CANDELA DISTRIBUTION (continued):

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