

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: P560121

Luminaire Tested: **SDL-PA1-20-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1488.4 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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

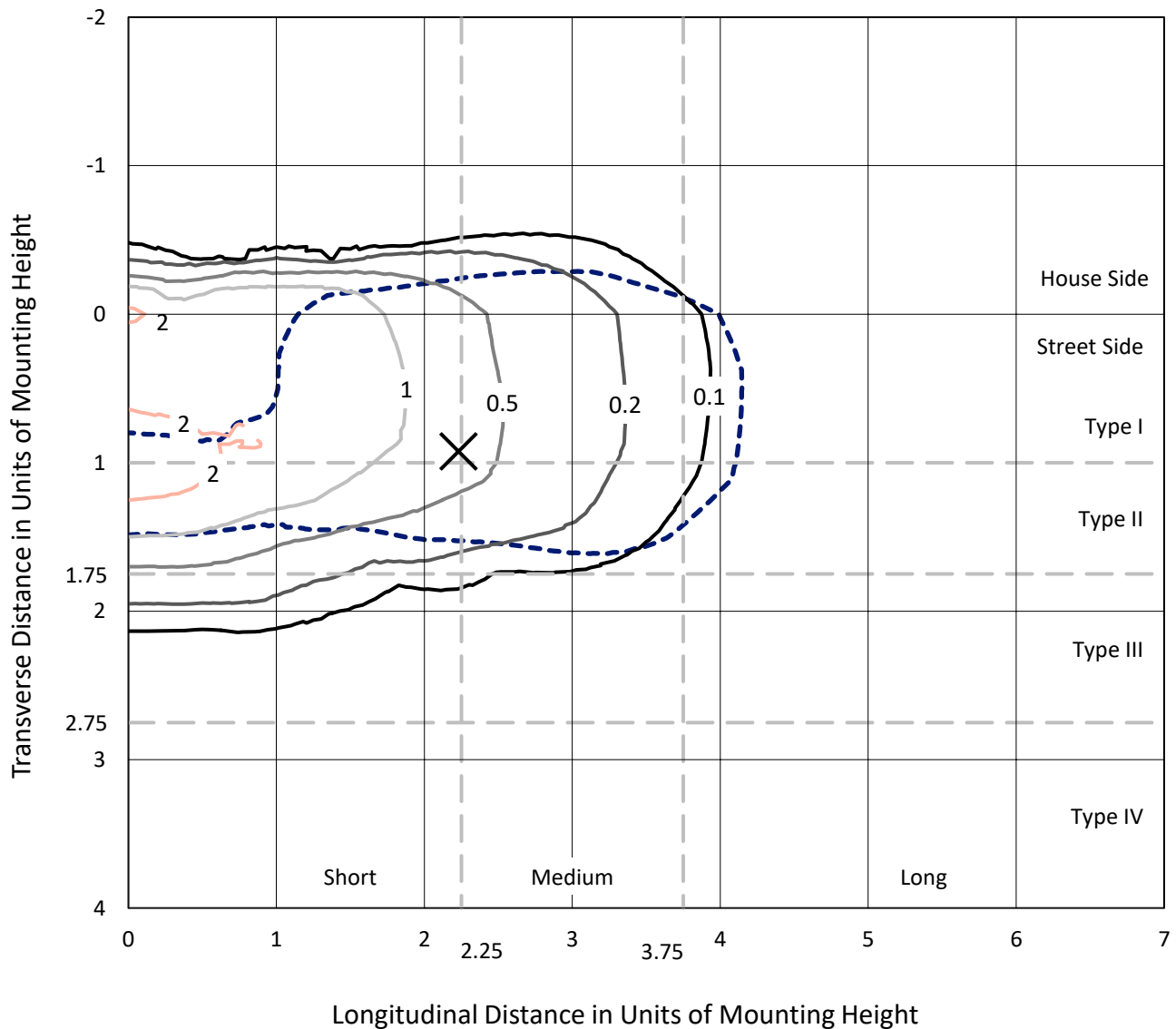


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

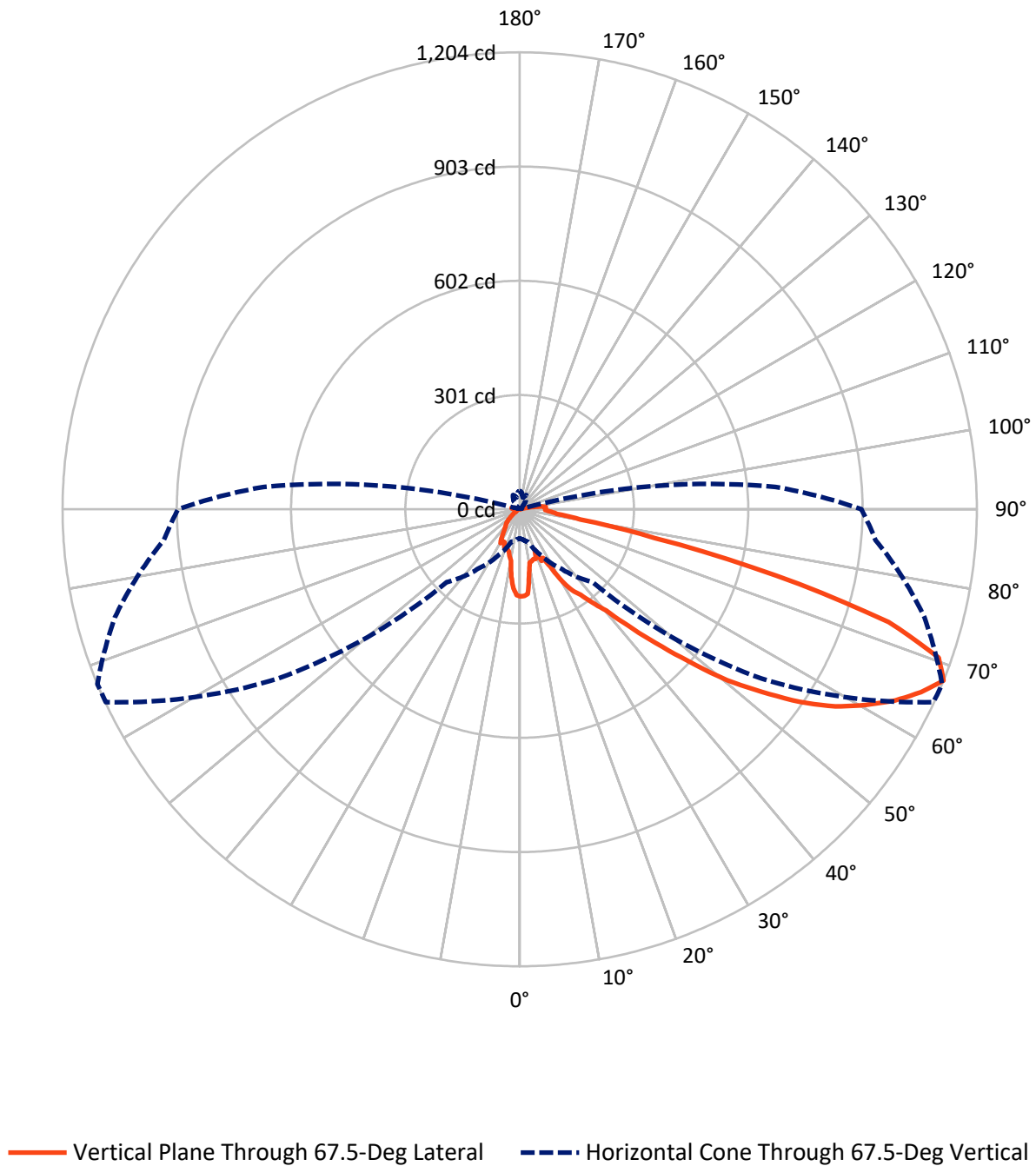


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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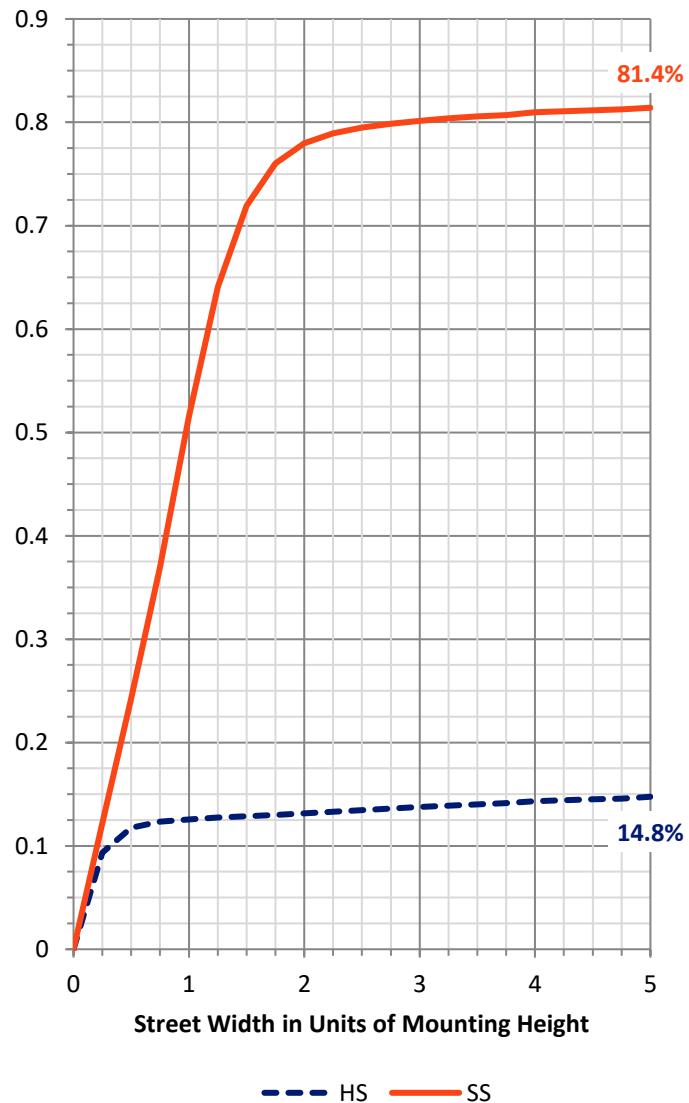
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	232.9	17.4	250.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1219.7	18.5	1238.1
	% Fixture	81.9	1.2	83.2
Total	Lumens	1452.5	35.9	1488.4
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	1.2
10°-20°	33.6	2.3
20°-30°	50.8	3.4
30°-40°	116.9	7.9
40°-50°	260.6	17.5
50°-60°	387.8	26.1
60°-70°	345.8	23.2
70°-80°	194.1	13.0
80°-90°	45.3	3.0
90°-100°	24.9	1.7
100°-110°	5.7	0.4
110°-120°	2.3	0.2
120°-130°	1.5	0.1
130°-140°	0.8	0.1
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1452.5	97.6
0°-180°	1488.4	100.0

Coefficient of Utilization



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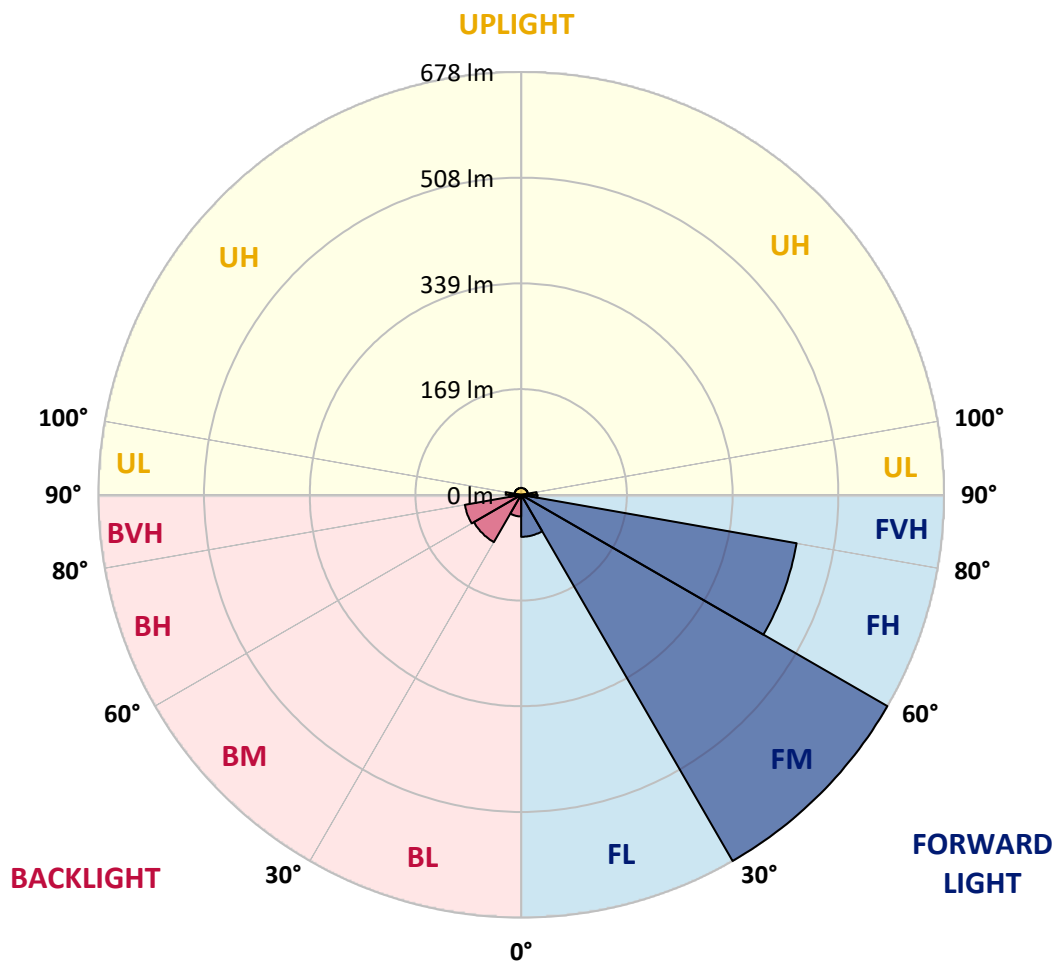
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.3	4.5			
FM	(30°-60°)	677.7	45.5			
FH	(60°-80°)	448.3	30.1			G0/660
FVH	(80°-90°)	26.3	1.8			G1/100
BL	(0°-30°)	34.7	2.3	B0/110		
BM	(30°-60°)	87.5	5.9	B0/220		
BH	(60°-80°)	91.6	6.2	B0/110		G0/110
BVH	(80°-90°)	19.0	1.3			G1/100
UL	(90°-100°)	24.9	1.7		U2/50	
UH	(100°-180°)	11.0	0.7		U2/50	

BUG Rating: B0-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6
2.5°	194.6	205.8	217.7	225.6	227.2	229.6	229.6	228.8	228.8	228.0	228.0
5°	189.1	188.3	189.1	190.7	189.9	189.9	189.9	221.6	224.0	225.6	225.6
7.5°	162.9	166.8	179.5	184.3	185.9	187.5	187.5	185.1	176.4	195.4	197.8
10°	177.2	176.4	176.4	178.0	166.0	161.3	145.4	143.0	143.0	149.4	170.0
12.5°	148.6	157.3	169.2	174.0	160.5	142.2	138.2	141.4	140.6	123.1	143.8
15°	168.4	168.4	166.8	163.7	126.3	141.4	119.2	119.2	135.8	146.2	164.4
17.5°	136.6	140.6	160.5	158.1	139.0	106.5	139.0	127.9	137.4	128.7	138.2
20°	167.6	166.8	167.6	127.9	141.4	146.2	139.0	124.7	113.6	149.4	165.2
22.5°	138.2	136.6	144.6	158.1	133.5	151.7	127.1	151.7	147.8	132.7	119.2
25°	178.7	178.0	179.5	139.8	156.5	135.8	156.5	135.8	142.2	170.0	174.0
27.5°	161.3	160.5	158.1	170.8	148.6	171.6	147.8	166.0	170.8	184.3	213.7
30°	227.2	224.0	216.1	171.6	174.8	165.2	174.8	204.2	220.1	247.1	255.8
32.5°	331.3	314.6	262.2	227.2	185.1	211.3	197.8	239.9	255.0	268.5	275.7
35°	428.2	421.1	382.9	300.3	225.6	233.6	223.2	268.5	277.3	305.9	304.3
37.5°	560.9	549.0	490.2	387.7	283.6	280.4	254.2	305.9	312.2	353.5	345.6
40°	660.2	650.6	604.6	481.4	360.7	332.9	297.1	357.5	350.3	406.0	394.8
42.5°	755.5	750.0	714.2	588.7	445.7	413.9	341.6	421.1	419.5	467.9	458.4
45°	832.6	826.2	803.2	684.8	543.4	544.2	411.5	491.0	502.1	548.2	523.5
47.5°	877.9	864.4	847.7	761.1	641.9	668.9	514.8	570.4	597.4	637.1	599.8
50°	867.5	854.0	855.6	809.5	732.5	776.2	625.2	654.6	708.6	739.6	665.7
52.5°	784.9	777.0	803.2	800.8	778.6	874.7	753.9	746.0	799.2	819.9	733.3
55°	667.3	656.2	705.5	740.4	778.6	935.9	873.1	847.7	896.1	893.0	779.3
57.5°	506.9	510.8	566.4	621.3	715.0	947.8	961.3	958.1	980.3	953.3	815.9
60°	346.4	348.8	427.4	489.4	586.3	885.0	989.9	1049.5	1047.1	1004.2	857.2
62.5°	217.7	216.9	276.5	374.2	421.8	720.6	978.8	1118.6	1109.8	1042.3	889.0
65°	125.5	128.7	150.1	247.9	293.1	491.8	914.4	1186.1	1161.5	1076.5	923.1
67.5°	77.1	79.4	89.8	134.3	191.5	271.7	777.8	1202.8	1204.4	1104.3	941.4
70°	65.1	65.9	70.7	82.6	133.5	152.5	523.5	1124.9	1171.0	1110.6	935.9
72.5°	54.8	55.6	62.8	72.3	99.3	108.0	235.2	929.5	1016.9	1062.2	895.3
75°	40.5	41.3	51.6	65.9	72.3	86.6	128.7	615.7	698.3	839.7	763.5
77.5°	26.2	27.0	36.5	53.2	61.2	68.3	104.1	287.6	363.9	485.4	482.2
80°	17.5	17.5	21.4	37.3	48.5	55.6	90.6	142.2	162.1	200.2	187.5
82.5°	11.1	11.1	13.5	23.0	31.0	55.6	85.0	101.7	98.5	100.1	89.0
85°	4.8	4.8	7.1	12.7	16.7	36.5	76.3	87.4	83.4	83.4	79.4
87.5°	1.6	1.6	2.4	4.0	5.6	11.1	58.8	69.9	67.5	69.9	75.5
90°	1.6	1.6	0.8	1.6	1.6	7.9	47.7	69.1	67.5	70.7	77.9
92.5°	2.4	2.4	0.8	0.8	1.6	6.4	37.3	71.5	69.1	73.9	81.0
95°	4.0	4.0	1.6	0.8	2.4	5.6	23.0	63.6	69.1	73.1	82.6
97.5°	4.8	4.8	1.6	1.6	2.4	4.8	11.9	51.6	53.2	55.6	65.1
100°	6.4	6.4	1.6	1.6	1.6	4.0	6.4	27.0	27.8	19.9	31.8
102.5°	6.4	6.4	1.6	1.6	1.6	2.4	3.2	11.9	11.1	4.0	4.0
105°	7.1	7.1	2.4	1.6	1.6	1.6	1.6	4.0	4.0	2.4	4.8
107.5°	7.1	7.1	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	4.8
110°	5.6	5.6	2.4	2.4	1.6	0.8	0.8	0.8	1.6	2.4	5.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	4.0	4.0	1.6	2.4	1.6	0.8	0.8	0.8	1.6	3.2	7.9
115°	1.6	1.6	0.8	1.6	0.8	0.8	0.8	1.6	1.6	2.4	6.4
117.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	0.8	2.4	5.6
120°	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	3.2	5.6
122.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	3.2	5.6
125°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	2.4	4.8
127.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6	4.8
130°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6	3.2
132.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6	2.4
135°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	1.6
137.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	1.6	1.6	0.8	0.0	1.6	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	0.8	0.8	0.8
155°	1.6	1.6	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6	2.4
157.5°	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.8	0.0	0.0	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.8	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6	229.6
2.5°	227.2	227.2	226.4	226.4	224.0	223.2	212.9	201.8	193.0	193.8	193.8
5°	224.8	223.2	220.9	205.0	185.1	181.9	181.9	180.3	179.5	180.3	180.3
7.5°	196.2	194.6	185.1	177.2	178.0	176.4	173.2	172.4	158.9	145.4	144.6
10°	169.2	166.8	141.4	135.8	135.1	140.6	154.1	149.4	144.6	139.0	141.4
12.5°	141.4	140.6	117.6	130.3	113.6	116.8	120.0	115.2	98.5	79.4	81.8
15°	163.7	161.3	133.5	108.0	96.9	97.7	64.3	62.0	50.0	45.3	42.9
17.5°	121.5	133.5	116.8	108.0	97.7	50.8	41.3	31.8	28.6	23.0	23.8
20°	162.9	159.7	133.5	100.9	75.5	42.9	23.0	18.3	22.2	23.0	23.0
22.5°	115.2	112.0	112.8	107.2	53.2	24.6	17.5	18.3	16.7	15.9	15.9
25°	169.2	163.7	136.6	81.8	39.7	15.9	16.7	12.7	15.1	15.1	15.1
27.5°	205.8	186.7	143.8	79.4	22.2	15.9	11.9	12.7	10.3	10.3	10.3
30°	246.3	235.2	188.3	73.9	17.5	12.7	11.1	8.7	9.5	9.5	9.5
32.5°	264.5	249.5	188.3	58.8	15.1	11.9	8.7	7.9	7.9	8.7	8.7
35°	290.8	274.9	187.5	38.9	12.7	9.5	7.1	7.1	7.1	7.1	7.1
37.5°	330.5	307.4	190.7	24.6	10.3	7.9	5.6	6.4	6.4	13.5	13.5
40°	375.0	348.8	181.9	17.5	8.7	6.4	4.8	7.9	11.1	11.9	11.9
42.5°	431.4	402.8	169.2	15.1	7.9	4.8	4.0	6.4	9.5	15.1	15.1
45°	498.9	456.0	151.7	13.5	6.4	4.0	4.0	7.9	11.9	14.3	14.3
47.5°	559.3	507.6	121.5	12.7	5.6	3.2	5.6	8.7	10.3	16.7	16.7
50°	630.0	561.7	92.9	11.1	4.8	3.2	8.7	9.5	11.9	15.1	15.1
52.5°	682.4	607.0	70.7	10.3	4.8	2.4	8.7	8.7	13.5	17.5	17.5
55°	724.5	631.6	50.8	8.7	4.0	2.4	10.3	11.1	11.9	13.5	13.5
57.5°	757.1	649.1	39.7	7.9	4.0	5.6	12.7	14.3	12.7	13.5	13.5
60°	794.4	657.8	29.4	7.1	3.2	5.6	15.1	19.1	14.3	20.7	19.9
62.5°	828.6	664.2	23.8	7.1	3.2	6.4	16.7	23.8	19.1	27.8	28.6
65°	871.5	672.1	19.9	5.6	3.2	8.7	19.9	31.8	25.4	36.5	38.1
67.5°	900.1	676.9	16.7	5.6	3.2	10.3	27.8	41.3	31.8	46.1	47.7
70°	903.3	659.4	13.5	5.6	3.2	15.9	38.1	50.0	39.7	58.8	59.6
72.5°	862.0	609.3	11.1	6.4	3.2	17.5	44.5	58.0	46.9	77.9	78.6
75°	696.7	427.4	10.3	6.4	3.2	22.2	48.5	63.6	52.4	81.0	82.6
77.5°	428.2	197.8	9.5	7.1	4.8	24.6	49.3	67.5	54.8	81.0	83.4
80°	166.0	97.7	8.7	7.9	11.1	27.8	53.2	68.3	54.8	75.5	78.6
82.5°	77.1	57.2	8.7	8.7	14.3	28.6	52.4	63.6	50.8	67.5	66.7
85°	69.1	56.4	9.5	9.5	15.1	24.6	41.3	54.0	43.7	53.2	53.2
87.5°	67.5	55.6	10.3	11.9	15.1	14.3	31.8	46.1	37.3	39.7	39.7
90°	69.1	58.0	11.1	13.5	12.7	7.9	25.4	38.1	28.6	25.4	24.6
92.5°	73.9	58.8	13.5	15.9	11.9	6.4	21.4	31.0	20.7	16.7	15.9
95°	77.9	60.4	16.7	19.1	12.7	5.6	19.1	24.6	15.1	10.3	9.5
97.5°	65.1	46.9	19.1	20.7	12.7	5.6	16.7	19.9	11.9	5.6	5.6
100°	27.8	20.7	19.9	22.2	11.9	4.8	14.3	15.9	7.9	2.4	3.2
102.5°	5.6	6.4	17.5	20.7	9.5	3.2	9.5	9.5	5.6	0.8	1.6
105°	5.6	4.8	11.1	17.5	5.6	1.6	4.0	5.6	2.4	0.8	0.8
107.5°	5.6	5.6	4.0	8.7	2.4	1.6	1.6	2.4	1.6	0.8	0.8
110°	6.4	5.6	1.6	2.4	1.6	1.6	1.6	1.6	0.8	4.0	4.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	7.1	1.6	2.4	2.4	1.6	0.8	0.8	1.6	5.6	6.4
115°	7.1	6.4	2.4	2.4	1.6	1.6	0.8	0.8	1.6	6.4	7.1
117.5°	5.6	5.6	2.4	1.6	1.6	1.6	0.8	0.8	1.6	6.4	6.4
120°	6.4	5.6	2.4	1.6	0.8	0.8	0.8	0.8	1.6	4.8	4.8
122.5°	6.4	5.6	2.4	1.6	0.8	0.8	0.8	0.8	1.6	4.8	5.6
125°	5.6	4.8	2.4	1.6	0.8	0.8	0.8	0.8	2.4	4.8	4.8
127.5°	4.8	4.0	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.0
130°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	0.8	2.4	3.2	3.2
132.5°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	1.6	3.2	3.2
135°	2.4	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
152.5°	0.8	0.8	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
155°	2.4	2.4	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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)