

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: P559959

Luminaire Tested: **SDL-PA1-20-722-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-722-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1590.7 lumens
Efficiency: N/A
Efficacy: 75.7 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

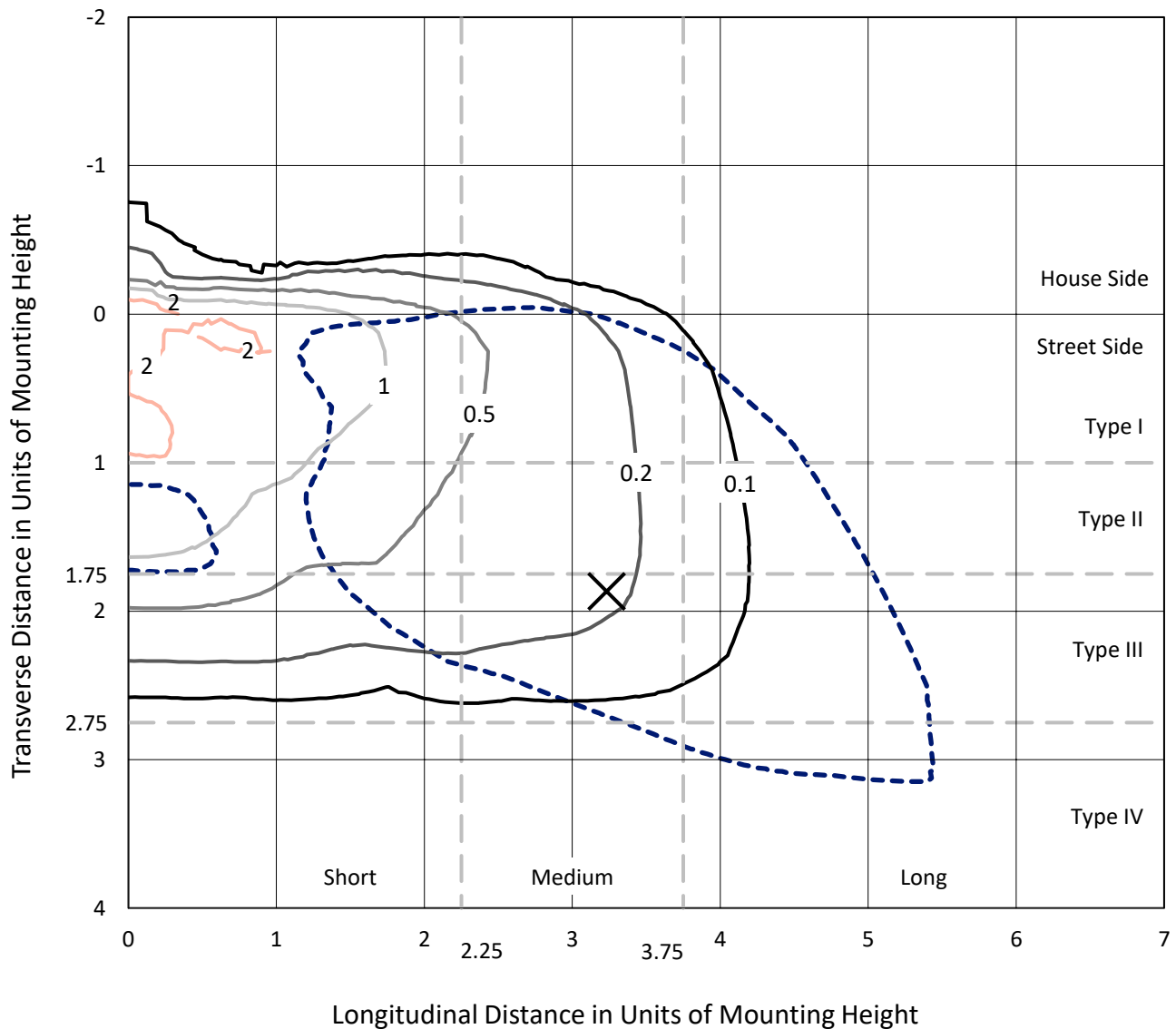


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

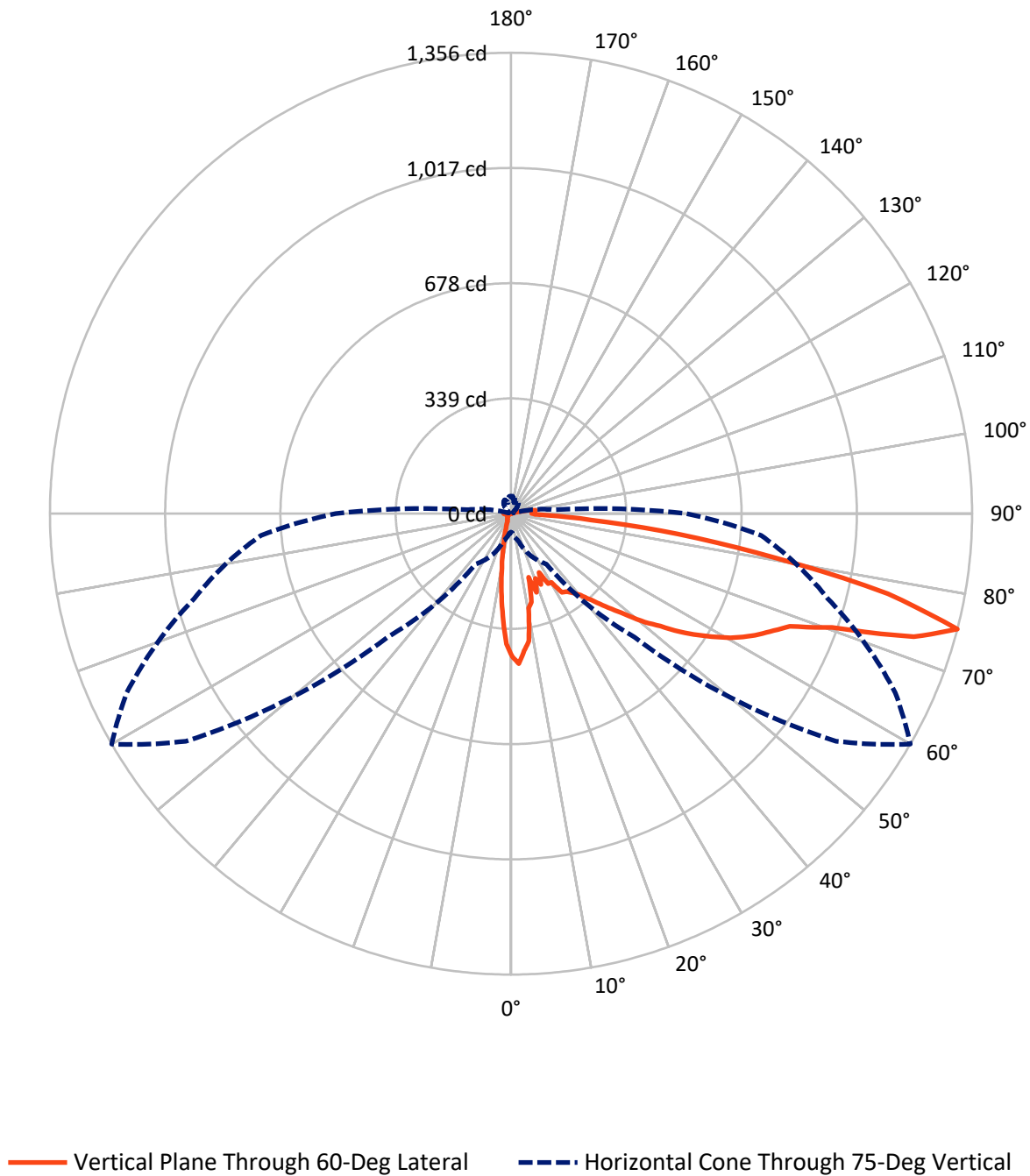


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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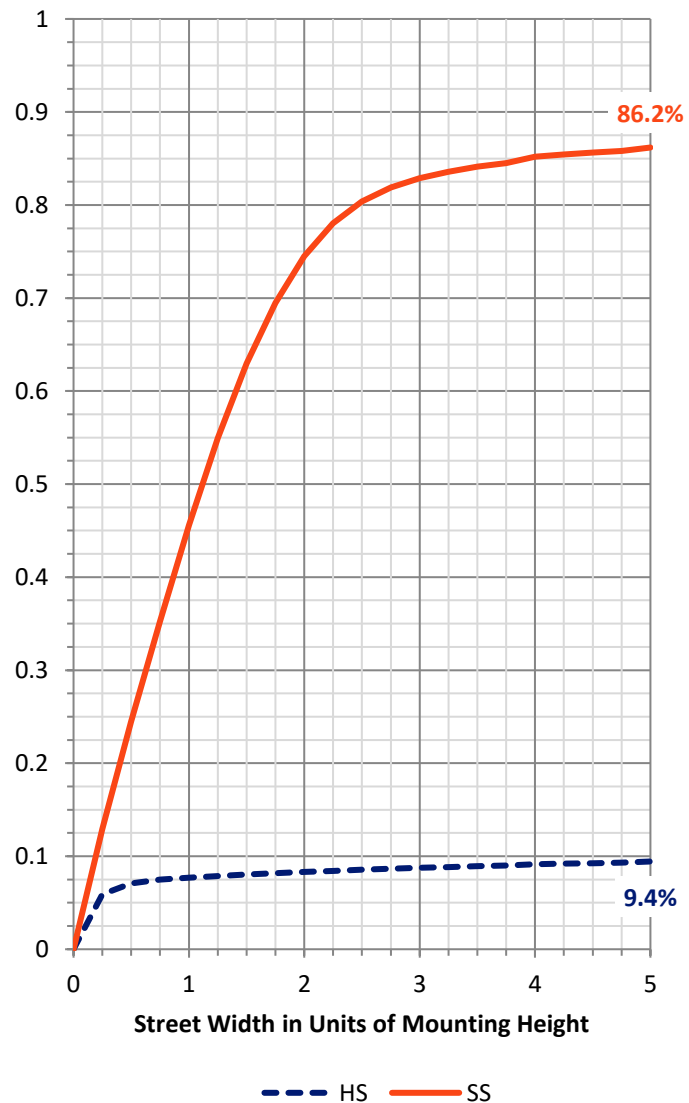
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	164.4	21.4	185.8
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	1382.6	22.4	1404.9
	% Fixture	86.9	1.4	88.3
Total	Lumens	1547.0	43.8	1590.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.8
10°-20°	47.9	3.0
20°-30°	67.7	4.3
30°-40°	121.6	7.6
40°-50°	204.9	12.9
50°-60°	318.7	20.0
60°-70°	376.1	23.6
70°-80°	305.1	19.2
80°-90°	75.8	4.8
90°-100°	30.6	1.9
100°-110°	7.1	0.4
110°-120°	2.2	0.1
120°-130°	2.0	0.1
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1547.0	97.2
0°-180°	1590.7	100.0

Coefficient of Utilization



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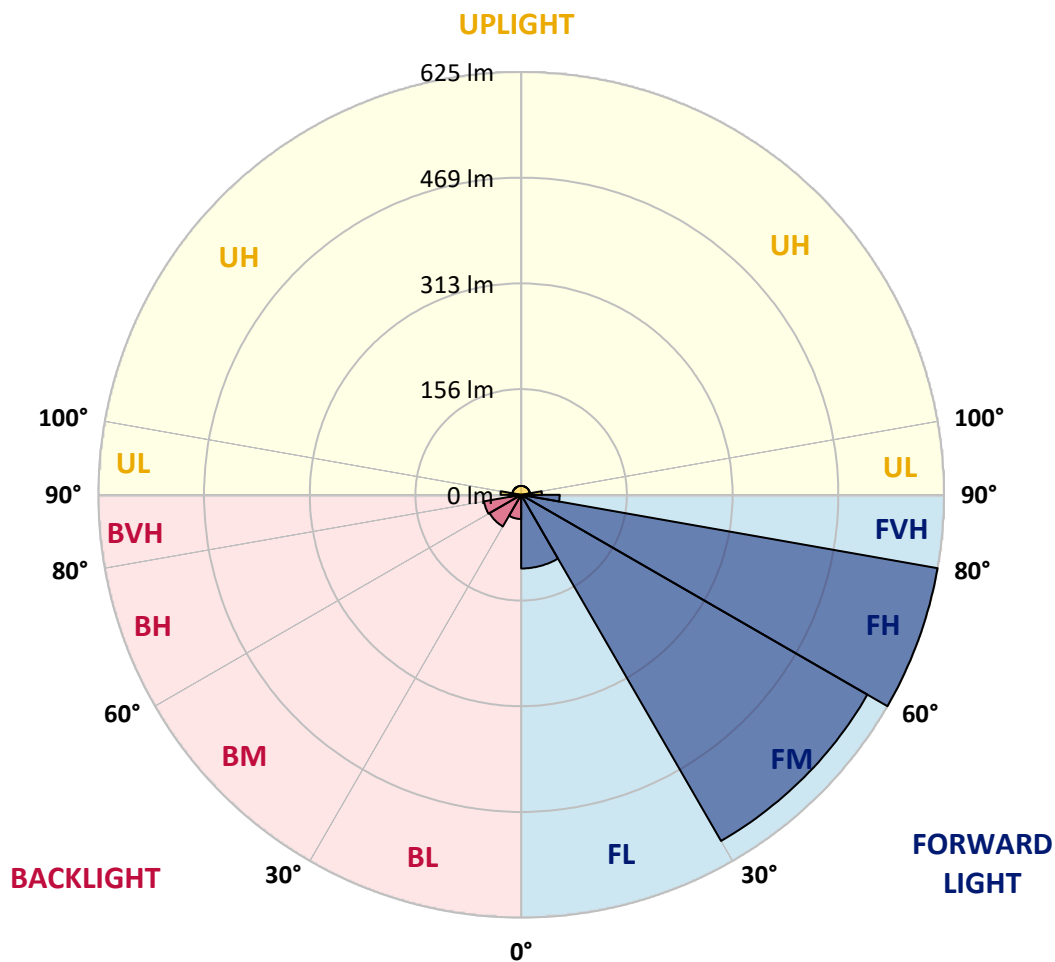
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.0	6.9			
FM	(30°-60°)	591.2	37.2			
FH	(60°-80°)	625.4	39.3			G0/660
FVH	(80°-90°)	57.0	3.6			G1/100
BL	(0°-30°)	35.8	2.2	B0/110		
BM	(30°-60°)	54.0	3.4	B0/220		
BH	(60°-80°)	55.8	3.5	B0/110		G0/110
BVH	(80°-90°)	18.8	1.2			G1/100
UL	(90°-100°)	30.6	1.9		U2/50	
UH	(100°-180°)	13.2	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°	60°	65°	75°	85°
0°	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5
2.5°	395.5	425.7	416.8	444.8	448.5	447.0	445.5	441.8	438.2	431.5	421.3
5°	379.3	382.3	380.1	385.2	386.0	388.2	384.5	405.1	439.6	430.8	414.6
7.5°	311.7	342.6	346.3	355.8	364.6	373.5	378.6	377.9	333.8	374.9	356.6
10°	318.3	322.7	322.0	328.6	321.3	308.8	281.6	282.3	282.3	291.1	300.7
12.5°	252.2	265.4	297.7	308.0	286.0	260.2	262.5	267.6	271.3	230.1	253.6
15°	286.0	286.7	287.5	287.5	215.4	246.3	214.7	194.1	222.0	272.0	276.4
17.5°	224.2	222.0	258.8	255.8	237.5	183.1	238.2	243.3	233.8	228.6	230.1
20°	263.2	263.2	261.0	208.1	219.1	236.0	204.4	203.6	215.4	267.6	270.5
22.5°	213.2	211.0	222.8	231.6	208.1	225.0	201.4	226.4	250.7	236.7	193.3
25°	266.9	266.9	258.0	200.7	215.4	193.3	223.5	191.9	213.2	289.7	275.7
27.5°	247.0	240.4	219.8	227.9	193.3	225.0	205.8	233.0	246.3	299.9	321.3
30°	319.1	316.9	293.3	229.4	219.8	206.6	221.3	234.5	283.8	388.9	371.3
32.5°	425.7	413.9	333.8	283.8	230.8	244.8	236.0	275.7	311.7	397.7	376.4
35°	454.3	445.5	407.3	344.8	258.8	258.8	253.6	281.6	319.8	416.8	387.4
37.5°	463.9	463.2	449.9	377.1	297.0	297.7	268.3	295.5	336.0	442.6	403.6
40°	469.8	471.2	484.5	411.0	337.4	336.0	295.5	315.4	361.0	470.5	433.0
42.5°	494.8	502.9	519.0	448.5	375.7	376.4	328.6	347.0	394.1	516.8	473.4
45°	550.6	552.8	562.4	499.9	411.7	416.8	370.5	389.6	434.5	567.5	519.0
47.5°	635.2	635.2	619.0	540.3	454.3	461.7	414.6	434.5	482.3	641.8	572.0
50°	710.2	704.3	669.0	588.1	488.9	505.1	472.7	495.5	522.7	698.4	638.1
52.5°	757.2	755.0	711.6	620.5	525.6	552.8	520.5	549.9	569.8	757.2	697.7
55°	750.6	750.6	722.7	637.4	559.5	596.2	582.3	619.0	626.4	813.1	741.0
57.5°	725.6	729.3	716.1	644.0	566.1	637.4	645.5	680.0	692.5	845.4	768.3
60°	674.9	682.2	696.2	652.8	591.8	683.7	710.2	741.0	764.6	869.7	791.0
62.5°	580.0	589.6	638.9	652.1	611.7	731.5	765.3	792.5	814.6	882.9	807.2
65°	439.6	457.3	528.6	605.0	610.2	787.4	810.2	836.6	857.9	896.2	849.1
67.5°	280.8	281.6	358.8	499.9	569.0	866.0	870.4	883.7	897.6	932.9	908.7
70°	144.8	152.2	188.9	319.1	466.1	882.2	1021.1	1002.0	980.7	1013.1	985.9
72.5°	96.3	104.4	124.2	172.0	292.6	795.5	1185.1	1238.0	1143.9	1072.6	918.2
75°	54.4	58.8	83.1	136.0	180.9	513.9	1166.7	1355.7	1246.8	963.8	738.1
77.5°	24.3	25.7	37.5	106.6	155.1	250.7	918.2	1132.9	1089.5	803.5	532.3
80°	13.2	13.2	17.6	49.3	131.6	188.9	609.5	788.8	741.0	484.5	241.9
82.5°	7.4	8.1	10.3	23.5	80.1	172.8	385.2	494.8	391.1	133.1	97.8
85°	2.9	2.9	4.4	12.5	29.4	146.3	211.0	235.3	158.1	67.6	75.7
87.5°	1.5	1.5	1.5	4.4	9.6	37.5	69.1	74.3	58.1	53.7	65.4
90°	2.2	2.2	1.5	1.5	6.6	39.7	58.1	61.0	47.8	53.7	66.2
92.5°	2.9	2.2	1.5	1.5	5.1	39.7	66.2	65.4	47.8	53.7	68.4
95°	3.7	2.9	1.5	1.5	5.1	35.3	79.4	71.3	51.5	54.4	72.0
97.5°	3.7	3.7	1.5	1.5	5.1	27.2	83.8	72.0	44.8	35.3	49.3
100°	4.4	4.4	1.5	1.5	5.9	16.2	58.1	53.7	31.6	11.8	14.0
102.5°	5.1	5.1	1.5	1.5	3.7	8.1	27.9	27.2	17.6	2.9	5.1
105°	5.1	5.9	1.5	1.5	1.5	3.7	10.3	12.5	8.8	2.9	5.1
107.5°	5.9	6.6	1.5	1.5	1.5	2.2	4.4	4.4	2.9	2.9	5.1
110°	5.9	5.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	5.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	4.4	4.4	0.7	1.5	1.5	1.5	0.7	1.5	1.5	2.2	4.4
115°	2.2	1.5	0.7	1.5	0.7	1.5	0.7	1.5	2.2	2.2	5.1
117.5°	0.7	0.7	0.7	0.7	0.7	1.5	0.7	1.5	1.5	3.7	6.6
120°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	5.1	8.1
122.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	5.1	9.6
125°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	3.7	8.8
127.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	3.7	7.4
130°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.9	6.6
132.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.9	5.1
135°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	3.7
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
140°	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
150°	2.9	2.9	2.9	2.2	1.5	0.7	2.2	1.5	0.7	0.7	0.7
152.5°	2.2	2.2	3.7	1.5	0.7	0.7	0.7	2.2	2.2	0.7	0.7
155°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9
157.5°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	1.5	0.7
160°	0.0	0.0	0.0	0.0	0.7	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°	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5
2.5°	417.6	413.2	401.4	390.4	377.1	369.1	341.1	309.5	302.9	301.4	296.3
5°	407.3	397.7	374.9	326.4	277.9	255.8	245.5	237.5	226.4	224.2	221.3
7.5°	345.5	329.4	294.1	234.5	227.2	206.6	189.7	175.7	145.6	137.5	133.1
10°	287.5	273.5	200.7	170.6	155.1	139.7	121.3	107.3	94.8	89.0	86.7
12.5°	232.3	218.3	150.0	135.3	96.3	79.4	69.1	57.3	47.8	42.6	42.6
15°	257.3	234.5	155.1	96.3	63.2	47.1	34.6	30.9	36.0	36.8	36.8
17.5°	210.3	187.5	122.0	75.0	46.3	25.7	27.9	31.6	34.6	30.1	30.9
20°	241.9	210.3	122.8	56.6	29.4	25.0	25.7	23.5	31.6	32.3	32.3
22.5°	183.1	165.4	92.6	44.8	22.8	23.5	22.1	26.5	29.4	25.7	25.0
25°	236.7	194.8	94.1	28.7	22.8	19.1	22.8	20.6	27.2	27.9	27.9
27.5°	271.3	218.3	82.3	25.0	19.1	20.6	18.4	21.3	20.6	20.6	20.6
30°	308.0	238.2	80.1	24.3	18.4	16.9	17.6	16.9	19.8	20.6	20.6
32.5°	308.0	227.9	61.0	24.3	17.6	16.2	14.0	15.4	16.2	17.6	18.4
35°	310.2	219.1	44.8	22.1	16.2	14.0	12.5	12.5	14.0	14.7	14.7
37.5°	316.9	213.2	34.6	20.6	14.7	12.5	10.3	11.0	19.1	21.3	21.3
40°	335.2	213.2	29.4	19.1	13.2	11.0	8.8	14.0	16.2	19.1	19.1
42.5°	363.9	216.1	27.9	18.4	11.8	9.6	7.4	11.0	19.8	22.8	23.5
45°	394.1	222.0	26.5	17.6	11.0	8.1	8.8	13.2	15.4	20.6	20.6
47.5°	436.0	234.5	25.7	16.9	10.3	6.6	8.1	13.2	16.9	22.1	22.1
50°	481.5	247.8	24.3	16.2	8.8	5.9	12.5	11.0	14.0	22.8	22.8
52.5°	528.6	263.2	23.5	15.4	8.1	8.1	14.0	13.2	16.9	22.1	22.8
55°	569.8	275.7	22.1	15.4	7.4	7.4	14.7	13.2	15.4	20.6	21.3
57.5°	589.6	277.9	21.3	14.7	6.6	7.4	14.0	16.2	14.0	16.9	18.4
60°	614.6	283.8	19.1	13.2	5.9	9.6	16.2	21.3	19.1	22.1	23.5
62.5°	638.1	288.2	16.9	11.8	5.1	10.3	21.3	25.7	20.6	25.7	28.7
65°	681.5	297.7	14.0	9.6	4.4	11.8	24.3	30.9	22.8	30.1	30.1
67.5°	741.8	313.2	11.0	8.1	4.4	13.2	25.0	35.3	27.2	33.1	32.3
70°	765.3	288.2	9.6	7.4	4.4	15.4	27.2	38.2	28.7	36.8	36.8
72.5°	667.5	208.1	8.1	7.4	7.4	17.6	33.8	41.9	31.6	46.3	45.6
75°	515.4	130.9	8.1	7.4	8.8	22.1	38.2	44.8	33.8	51.5	50.7
77.5°	343.3	61.8	8.1	8.1	10.3	24.3	41.2	47.8	37.5	57.3	56.6
80°	134.5	33.8	8.8	8.8	12.5	25.7	44.1	49.3	39.0	61.8	61.0
82.5°	64.7	23.5	8.8	8.8	16.9	28.7	47.1	51.5	40.4	62.5	61.8
85°	55.1	22.1	8.1	9.6	20.6	36.0	50.0	50.7	41.2	59.5	59.5
87.5°	49.3	21.3	8.1	9.6	27.9	41.9	52.2	50.0	44.1	58.1	58.1
90°	50.7	22.8	8.8	11.0	31.6	42.6	52.9	50.0	42.6	53.7	53.7
92.5°	54.4	24.3	9.6	11.8	31.6	39.7	49.3	44.8	39.7	45.6	44.8
95°	57.3	25.7	10.3	13.2	27.9	30.9	41.2	36.0	33.1	35.3	35.3
97.5°	44.1	19.8	11.8	14.7	21.3	18.4	25.7	23.5	17.6	14.7	14.7
100°	11.8	6.6	12.5	14.7	14.7	12.5	19.1	17.6	11.8	5.1	5.1
102.5°	4.4	4.4	11.8	14.0	11.8	9.6	14.0	13.2	9.6	1.5	1.5
105°	4.4	3.7	7.4	11.0	7.4	5.1	7.4	8.8	5.9	1.5	1.5
107.5°	4.4	3.7	4.4	6.6	2.9	2.2	2.9	2.9	2.9	0.7	1.5
110°	4.4	3.7	2.2	2.9	2.2	2.2	2.2	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°	4.4	3.7	2.2	2.9	2.2	2.2	1.5	1.5	2.2	4.4	4.4
115°	4.4	3.7	2.2	2.2	1.5	2.2	1.5	0.7	2.2	5.1	5.9
117.5°	5.9	3.7	1.5	1.5	1.5	1.5	1.5	0.7	2.2	6.6	7.4
120°	7.4	4.4	1.5	1.5	1.5	0.7	1.5	0.7	2.9	6.6	7.4
122.5°	8.1	5.1	1.5	1.5	1.5	0.7	0.7	1.5	2.9	6.6	6.6
125°	8.1	5.1	1.5	1.5	0.7	0.7	0.7	0.7	2.9	6.6	7.4
127.5°	6.6	4.4	1.5	1.5	0.7	0.7	0.7	0.7	2.9	5.9	6.6
130°	5.9	4.4	1.5	1.5	0.7	0.7	0.7	0.7	2.9	5.1	5.9
132.5°	4.4	3.7	1.5	0.7	0.7	0.7	0.7	0.7	2.9	4.4	5.1
135°	3.7	2.2	1.5	0.7	0.7	0.7	0.7	0.7	2.2	4.4	4.4
137.5°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2
140°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
142.5°	0.7	1.5	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
145°	0.7	1.5	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
147.5°	0.7	1.5	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
150°	0.7	1.5	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.5
152.5°	0.7	1.5	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
155°	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	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

(END OF REPORT)