

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: P560165

Luminaire Tested: **SDL-PA1-30-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560165
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-PA1-30-727-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA 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: 2161.3 lumens
Efficiency: N/A
Efficacy: 71.8 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: B1 - U2 - G1

Input Watts (W): 30.1
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



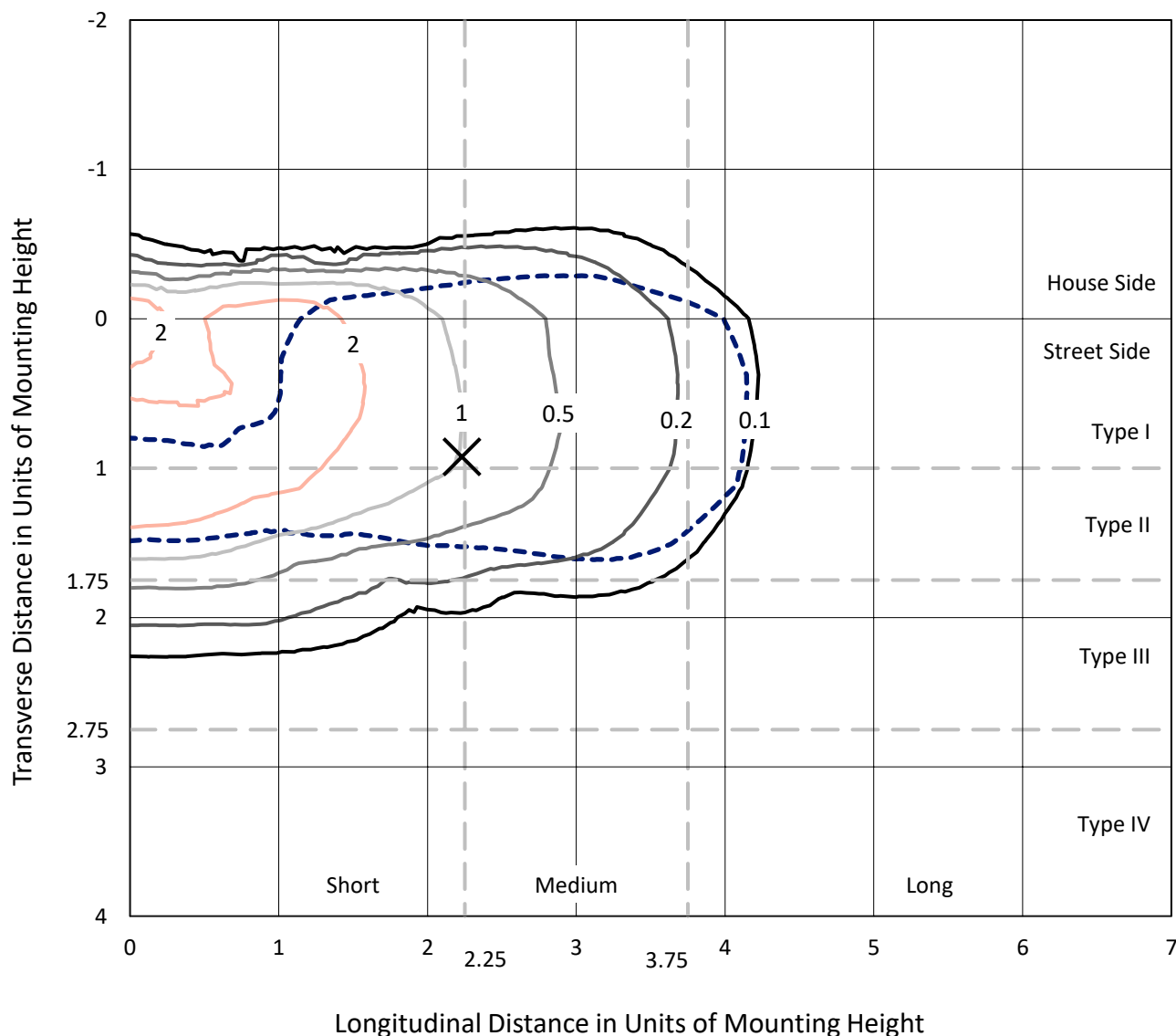
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

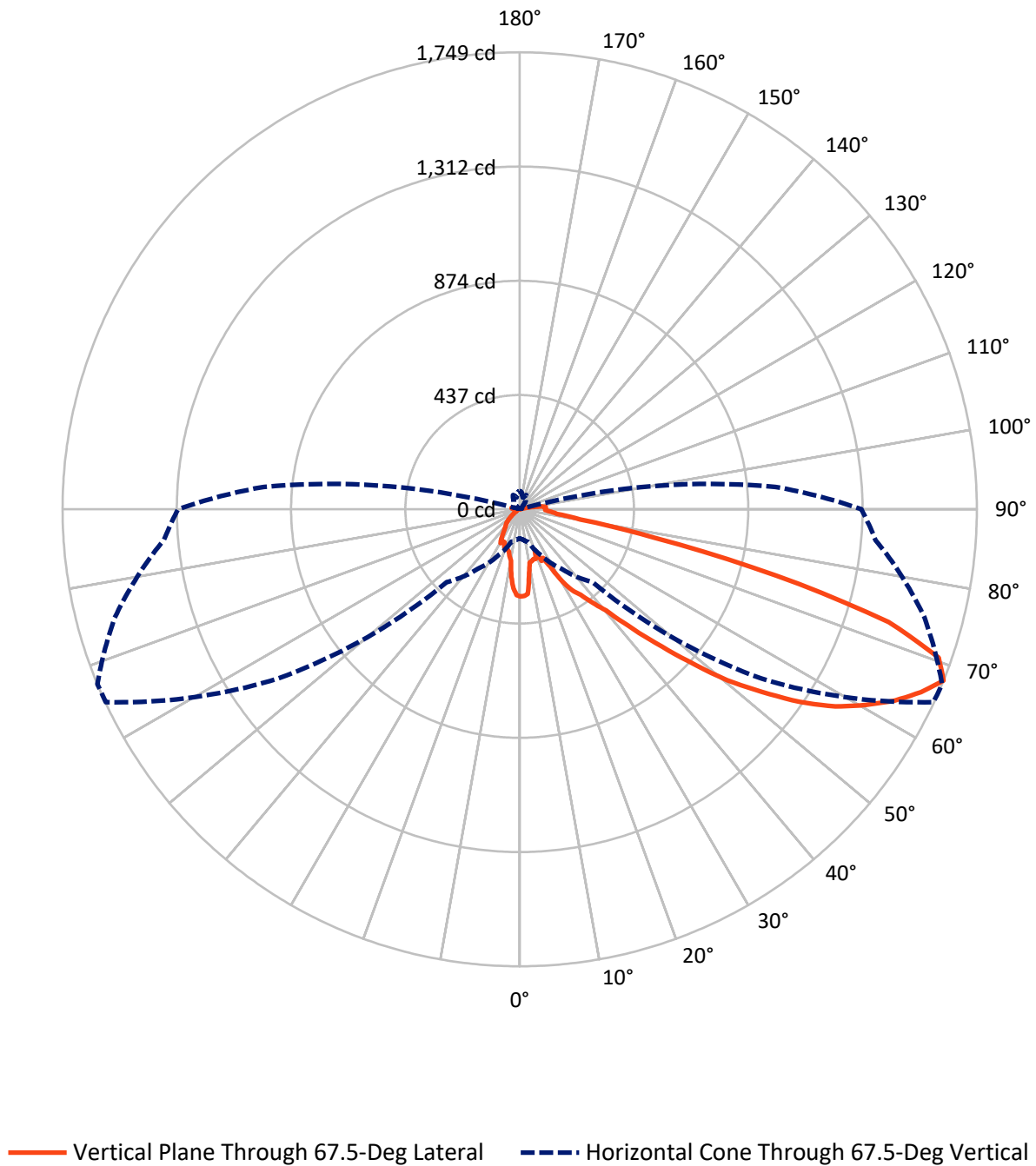


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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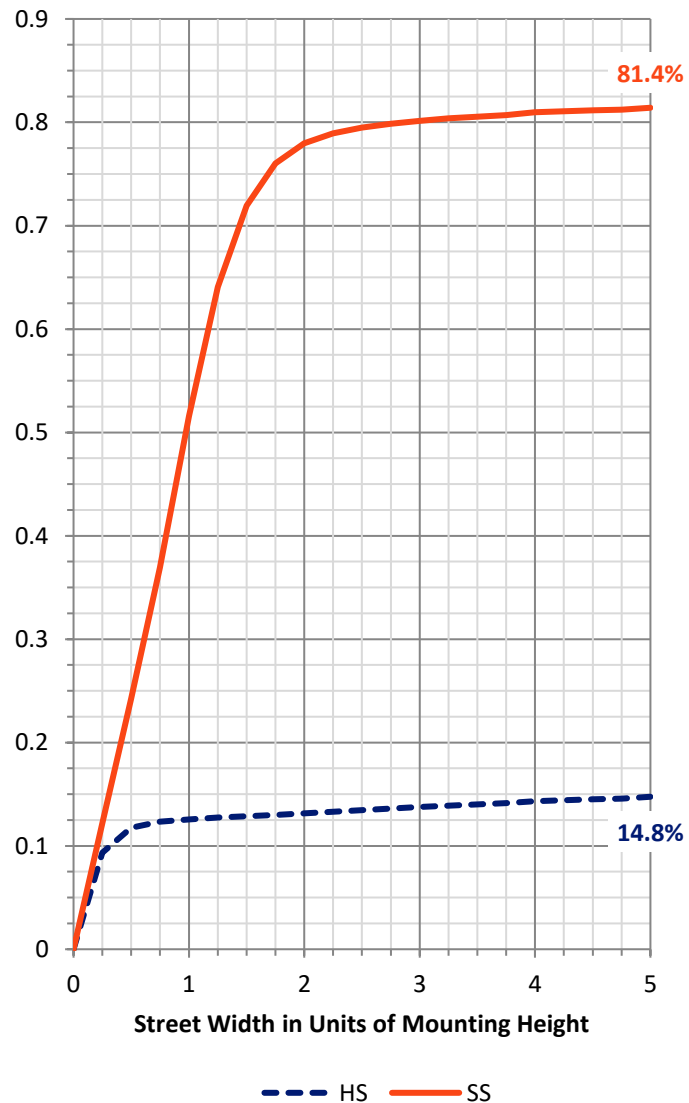
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.2	25.3	363.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1771.0	26.9	1797.8
	% Fixture	81.9	1.2	83.2
Total	Lumens	2109.2	52.1	2161.3
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	1.2
10°-20°	48.9	2.3
20°-30°	73.7	3.4
30°-40°	169.7	7.9
40°-50°	378.4	17.5
50°-60°	563.0	26.1
60°-70°	502.2	23.2
70°-80°	281.9	13.0
80°-90°	65.8	3.0
90°-100°	36.1	1.7
100°-110°	8.3	0.4
110°-120°	3.3	0.2
120°-130°	2.2	0.1
130°-140°	1.2	0.1
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2109.2	97.6
0°-180°	2161.3	100.0

Coefficient of Utilization



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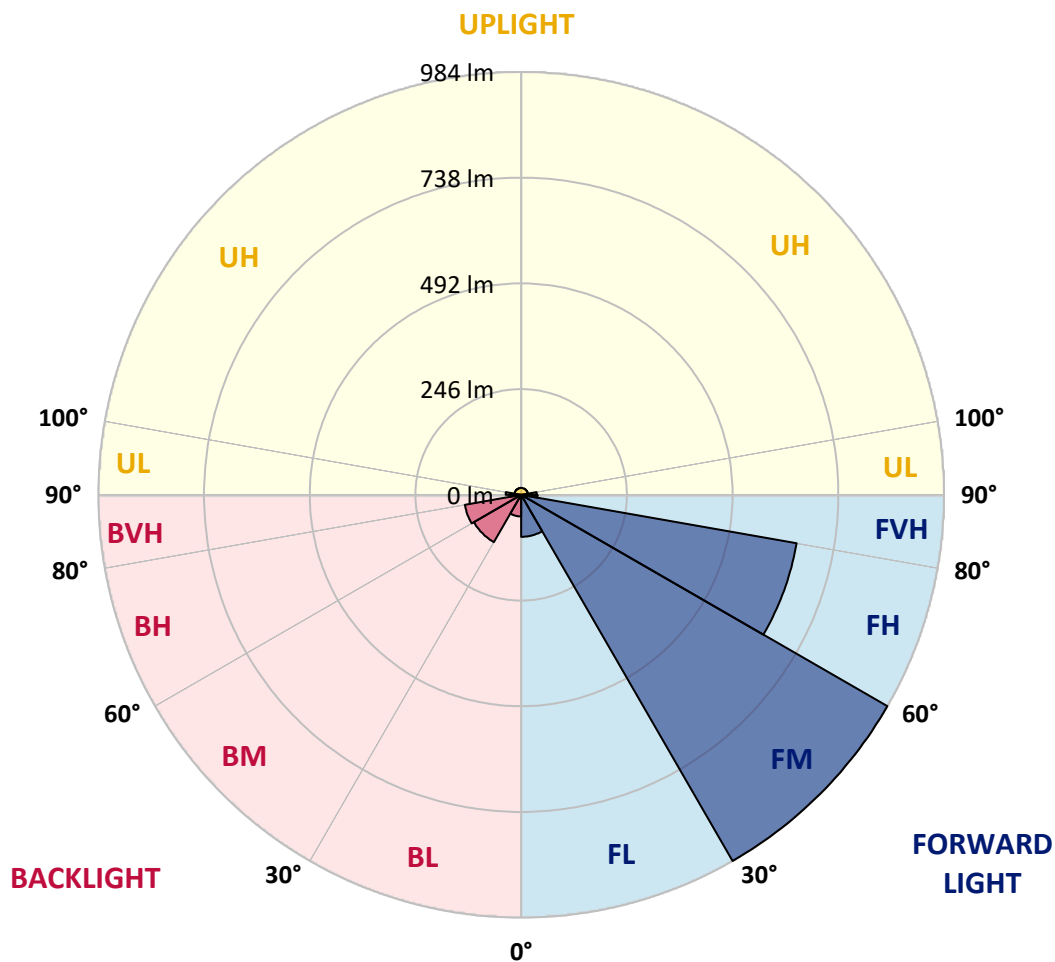
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.8	4.5			
FM	(30°-60°)	984.1	45.5			
FH	(60°-80°)	651.0	30.1			G0/660
FVH	(80°-90°)	38.2	1.8			G1/100
BL	(0°-30°)	50.4	2.3	B0/110		
BM	(30°-60°)	127.1	5.9	B0/220		
BH	(60°-80°)	133.1	6.2	B1/500		G1/500
BVH	(80°-90°)	27.6	1.3			G1/100
UL	(90°-100°)	36.1	1.7		U2/50	
UH	(100°-180°)	16.0	0.7		U2/50	

BUG Rating: B1-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°	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4
2.5°	282.6	298.8	316.1	327.6	329.9	333.4	333.4	332.2	332.2	331.1	331.1
5°	274.5	273.4	274.5	276.9	275.7	275.7	275.7	321.8	325.3	327.6	327.6
7.5°	236.5	242.2	260.7	267.6	269.9	272.2	272.2	268.8	256.1	283.8	287.2
10°	257.2	256.1	256.1	258.4	241.1	234.2	211.1	207.6	207.6	216.9	246.9
12.5°	215.7	228.4	245.7	252.6	233.0	206.5	200.7	205.3	204.2	178.8	208.8
15°	244.6	244.6	242.2	237.6	183.4	205.3	173.0	173.0	197.3	212.3	238.8
17.5°	198.4	204.2	233.0	229.6	201.9	154.6	201.9	185.7	199.6	186.9	200.7
20°	243.4	242.2	243.4	185.7	205.3	212.3	201.9	181.1	165.0	216.9	239.9
22.5°	200.7	198.4	209.9	229.6	193.8	220.3	184.6	220.3	214.6	192.6	173.0
25°	259.6	258.4	260.7	203.0	227.3	197.3	227.3	197.3	206.5	246.9	252.6
27.5°	234.2	233.0	229.6	248.0	215.7	249.2	214.6	241.1	248.0	267.6	310.3
30°	329.9	325.3	313.8	249.2	253.8	239.9	253.8	296.5	319.5	358.8	371.4
32.5°	481.0	456.8	380.7	329.9	268.8	306.8	287.2	348.4	370.3	389.9	400.3
35°	621.8	611.4	556.0	436.0	327.6	339.1	324.2	389.9	402.6	444.1	441.8
37.5°	814.4	797.1	711.7	562.9	411.8	407.2	369.1	444.1	453.3	513.3	501.8
40°	958.6	944.8	877.9	699.1	523.7	483.3	431.4	519.1	508.7	589.5	573.3
42.5°	1097.0	1089.0	1037.1	854.8	647.1	601.0	496.0	611.4	609.1	679.4	665.6
45°	1208.9	1199.7	1166.3	994.4	789.0	790.2	597.5	712.9	729.1	796.0	760.2
47.5°	1274.7	1255.1	1230.9	1105.1	932.1	971.3	747.5	828.3	867.5	925.2	870.9
50°	1259.7	1240.1	1242.4	1175.5	1063.6	1127.0	907.9	950.5	1029.0	1074.0	966.7
52.5°	1139.7	1128.2	1166.3	1162.8	1130.5	1270.1	1094.7	1083.2	1160.5	1190.5	1064.7
55°	969.0	952.8	1024.4	1075.1	1130.5	1358.9	1267.8	1230.9	1301.2	1296.6	1131.6
57.5°	736.0	741.7	822.5	902.1	1038.2	1376.2	1395.8	1391.2	1423.5	1384.3	1184.7
60°	503.0	506.4	620.6	710.6	851.3	1285.1	1437.3	1523.9	1520.4	1458.1	1244.7
62.5°	316.1	314.9	401.4	543.3	612.5	1046.3	1421.2	1624.2	1611.5	1513.5	1290.8
65°	182.3	186.9	218.0	359.9	425.7	714.1	1327.7	1722.3	1686.5	1563.1	1340.4
67.5°	111.9	115.4	130.4	195.0	278.0	394.5	1129.3	1746.5	1748.8	1603.5	1367.0
70°	94.6	95.7	102.7	120.0	193.8	221.5	760.2	1633.4	1700.3	1612.7	1358.9
72.5°	79.6	80.7	91.1	105.0	144.2	156.9	341.5	1349.7	1476.6	1542.3	1300.1
75°	58.8	60.0	75.0	95.7	105.0	125.7	186.9	894.0	1014.0	1219.3	1108.6
77.5°	38.1	39.2	53.1	77.3	88.8	99.2	151.1	417.6	528.3	704.8	700.2
80°	25.4	25.4	31.1	54.2	70.4	80.7	131.5	206.5	235.3	290.7	272.2
82.5°	16.1	16.1	19.6	33.5	45.0	80.7	123.4	147.7	143.0	145.3	129.2
85°	6.9	6.9	10.4	18.5	24.2	53.1	110.7	126.9	121.1	121.1	115.4
87.5°	2.3	2.3	3.5	5.8	8.1	16.1	85.4	101.5	98.1	101.5	109.6
90°	2.3	2.3	1.2	2.3	2.3	11.5	69.2	100.4	98.1	102.7	113.0
92.5°	3.5	3.5	1.2	1.2	2.3	9.2	54.2	103.8	100.4	107.3	117.7
95°	5.8	5.8	2.3	1.2	3.5	8.1	33.5	92.3	100.4	106.1	120.0
97.5°	6.9	6.9	2.3	2.3	3.5	6.9	17.3	75.0	77.3	80.7	94.6
100°	9.2	9.2	2.3	2.3	2.3	5.8	9.2	39.2	40.4	28.8	46.1
102.5°	9.2	9.2	2.3	2.3	2.3	3.5	4.6	17.3	16.1	5.8	5.8
105°	10.4	10.4	3.5	2.3	2.3	2.3	2.3	5.8	5.8	3.5	6.9
107.5°	10.4	10.4	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	6.9
110°	8.1	8.1	3.5	3.5	2.3	1.2	1.2	1.2	2.3	3.5	8.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	5.8	5.8	2.3	3.5	2.3	1.2	1.2	1.2	2.3	4.6	11.5
115°	2.3	2.3	1.2	2.3	1.2	1.2	1.2	2.3	2.3	3.5	9.2
117.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	1.2	3.5	8.1
120°	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	4.6	8.1
122.5°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	4.6	8.1
125°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	3.5	6.9
127.5°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3	6.9
130°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3	4.6
132.5°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3	3.5
135°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	2.3
137.5°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2
140°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	2.3	2.3	1.2	0.0	2.3	1.2	1.2	1.2	1.2
152.5°	2.3	2.3	2.3	2.3	1.2	0.0	1.2	2.3	1.2	1.2	1.2
155°	2.3	2.3	1.2	1.2	1.2	0.0	1.2	1.2	1.2	2.3	3.5
157.5°	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	0.0	0.0	1.2
160°	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	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°	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4	333.4
2.5°	329.9	329.9	328.8	328.8	325.3	324.2	309.2	293.0	280.3	281.5	281.5
5°	326.5	324.2	320.7	297.6	268.8	264.2	264.2	261.9	260.7	261.9	261.9
7.5°	284.9	282.6	268.8	257.2	258.4	256.1	251.5	250.3	230.7	211.1	209.9
10°	245.7	242.2	205.3	197.3	196.1	204.2	223.8	216.9	209.9	201.9	205.3
12.5°	205.3	204.2	170.7	189.2	165.0	169.6	174.2	167.3	143.0	115.4	118.8
15°	237.6	234.2	193.8	156.9	140.7	141.9	93.4	90.0	72.7	65.8	62.3
17.5°	176.5	193.8	169.6	156.9	141.9	73.8	60.0	46.1	41.5	33.5	34.6
20°	236.5	231.9	193.8	146.5	109.6	62.3	33.5	26.5	32.3	33.5	33.5
22.5°	167.3	162.7	163.8	155.7	77.3	35.8	25.4	26.5	24.2	23.1	23.1
25°	245.7	237.6	198.4	118.8	57.7	23.1	24.2	18.5	21.9	21.9	21.9
27.5°	298.8	271.1	208.8	115.4	32.3	23.1	17.3	18.5	15.0	15.0	15.0
30°	357.6	341.5	273.4	107.3	25.4	18.5	16.1	12.7	13.8	13.8	13.8
32.5°	384.1	362.2	273.4	85.4	21.9	17.3	12.7	11.5	11.5	12.7	12.7
35°	422.2	399.1	272.2	56.5	18.5	13.8	10.4	10.4	10.4	10.4	10.4
37.5°	479.9	446.4	276.9	35.8	15.0	11.5	8.1	9.2	9.2	19.6	19.6
40°	544.5	506.4	264.2	25.4	12.7	9.2	6.9	11.5	16.1	17.3	17.3
42.5°	626.4	584.9	245.7	21.9	11.5	6.9	5.8	9.2	13.8	21.9	21.9
45°	724.4	662.1	220.3	19.6	9.2	5.8	5.8	11.5	17.3	20.8	20.8
47.5°	812.1	737.1	176.5	18.5	8.1	4.6	8.1	12.7	15.0	24.2	24.2
50°	914.8	815.6	135.0	16.1	6.9	4.6	12.7	13.8	17.3	21.9	21.9
52.5°	990.9	881.3	102.7	15.0	6.9	3.5	12.7	12.7	19.6	25.4	25.4
55°	1052.0	917.1	73.8	12.7	5.8	3.5	15.0	16.1	17.3	19.6	19.6
57.5°	1099.3	942.5	57.7	11.5	5.8	8.1	18.5	20.8	18.5	19.6	19.6
60°	1153.6	955.1	42.7	10.4	4.6	8.1	21.9	27.7	20.8	30.0	28.8
62.5°	1203.2	964.4	34.6	10.4	4.6	9.2	24.2	34.6	27.7	40.4	41.5
65°	1265.5	975.9	28.8	8.1	4.6	12.7	28.8	46.1	36.9	53.1	55.4
67.5°	1307.0	982.8	24.2	8.1	4.6	15.0	40.4	60.0	46.1	66.9	69.2
70°	1311.6	957.5	19.6	8.1	4.6	23.1	55.4	72.7	57.7	85.4	86.5
72.5°	1251.6	884.8	16.1	9.2	4.6	25.4	64.6	84.2	68.1	113.0	114.2
75°	1011.7	620.6	15.0	9.2	4.6	32.3	70.4	92.3	76.1	117.7	120.0
77.5°	621.8	287.2	13.8	10.4	6.9	35.8	71.5	98.1	79.6	117.7	121.1
80°	241.1	141.9	12.7	11.5	16.1	40.4	77.3	99.2	79.6	109.6	114.2
82.5°	111.9	83.1	12.7	12.7	20.8	41.5	76.1	92.3	73.8	98.1	96.9
85°	100.4	81.9	13.8	13.8	21.9	35.8	60.0	78.4	63.4	77.3	77.3
87.5°	98.1	80.7	15.0	17.3	21.9	20.8	46.1	66.9	54.2	57.7	57.7
90°	100.4	84.2	16.1	19.6	18.5	11.5	36.9	55.4	41.5	36.9	35.8
92.5°	107.3	85.4	19.6	23.1	17.3	9.2	31.1	45.0	30.0	24.2	23.1
95°	113.0	87.7	24.2	27.7	18.5	8.1	27.7	35.8	21.9	15.0	13.8
97.5°	94.6	68.1	27.7	30.0	18.5	8.1	24.2	28.8	17.3	8.1	8.1
100°	40.4	30.0	28.8	32.3	17.3	6.9	20.8	23.1	11.5	3.5	4.6
102.5°	8.1	9.2	25.4	30.0	13.8	4.6	13.8	13.8	8.1	1.2	2.3
105°	8.1	6.9	16.1	25.4	8.1	2.3	5.8	8.1	3.5	1.2	1.2
107.5°	8.1	8.1	5.8	12.7	3.5	2.3	2.3	3.5	2.3	1.2	1.2
110°	9.2	8.1	2.3	3.5	2.3	2.3	2.3	2.3	1.2	5.8	6.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.5	10.4	2.3	3.5	3.5	2.3	1.2	1.2	2.3	8.1	9.2
115°	10.4	9.2	3.5	3.5	2.3	2.3	1.2	1.2	2.3	9.2	10.4
117.5°	8.1	8.1	3.5	2.3	2.3	2.3	1.2	1.2	2.3	9.2	9.2
120°	9.2	8.1	3.5	2.3	1.2	1.2	1.2	1.2	2.3	6.9	6.9
122.5°	9.2	8.1	3.5	2.3	1.2	1.2	1.2	1.2	2.3	6.9	8.1
125°	8.1	6.9	3.5	2.3	1.2	1.2	1.2	1.2	3.5	6.9	6.9
127.5°	6.9	5.8	2.3	1.2	1.2	1.2	1.2	1.2	3.5	5.8	5.8
130°	4.6	4.6	2.3	1.2	1.2	1.2	1.2	1.2	3.5	4.6	4.6
132.5°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	2.3	4.6	4.6
135°	3.5	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
140°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
152.5°	1.2	1.2	2.3	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
155°	3.5	3.5	3.5	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.2	1.2	1.2	1.2	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)