

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: P560169

Luminaire Tested: **SDL-PA1-30-727-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560169
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-PA1-30-727-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA 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: 2217.8 lumens
Efficiency: N/A
Efficacy: 73.7 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): 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

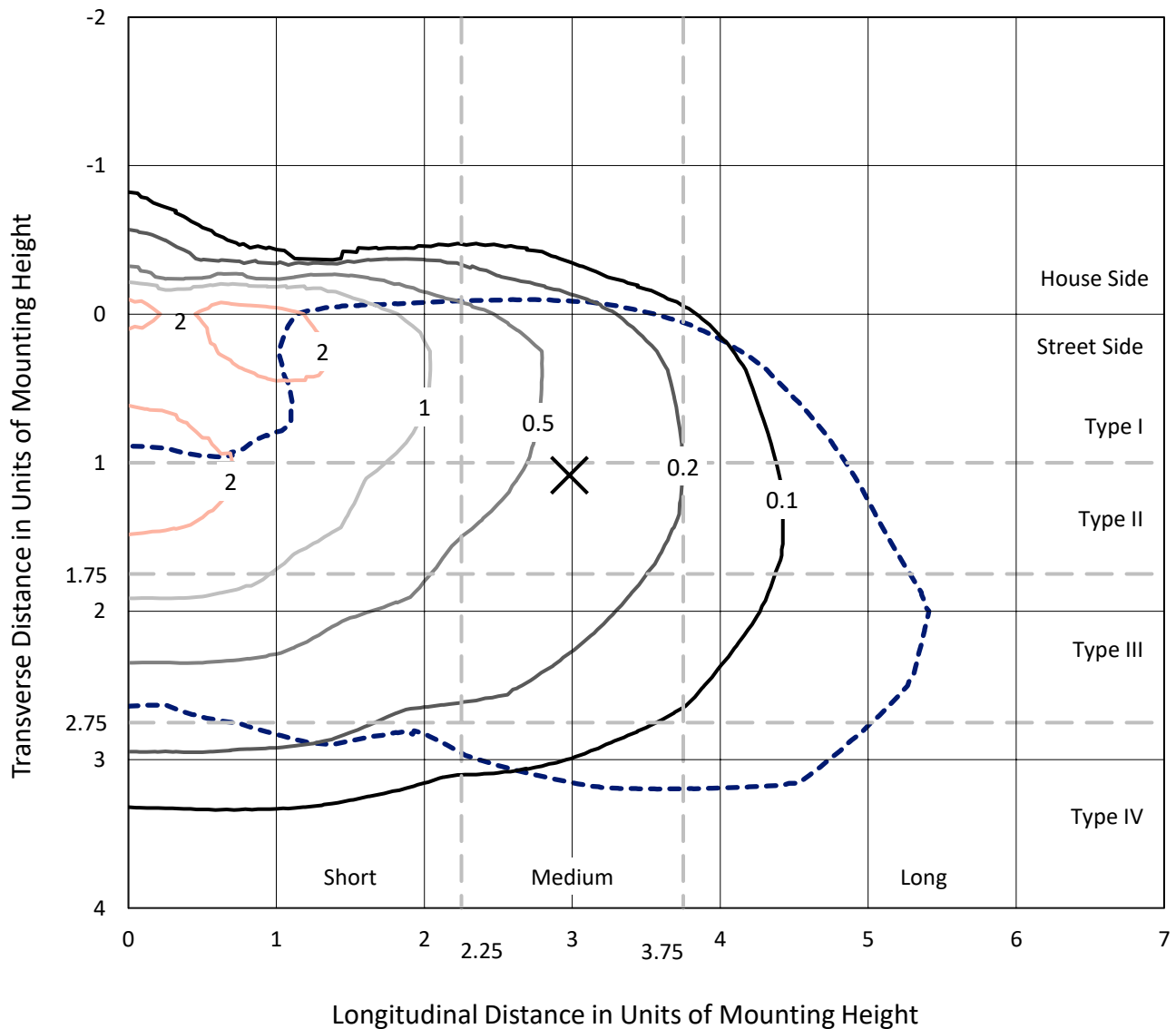


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

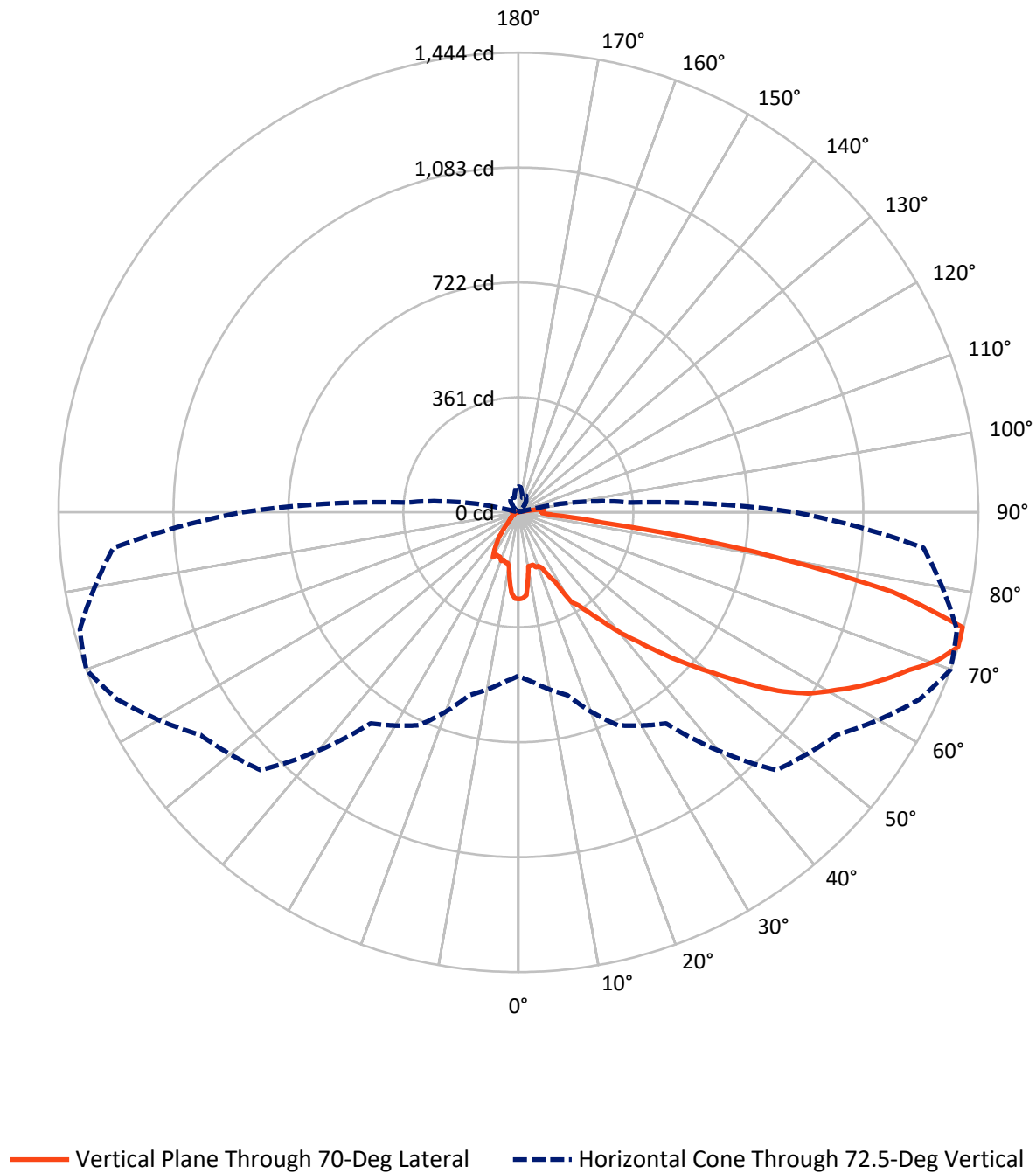


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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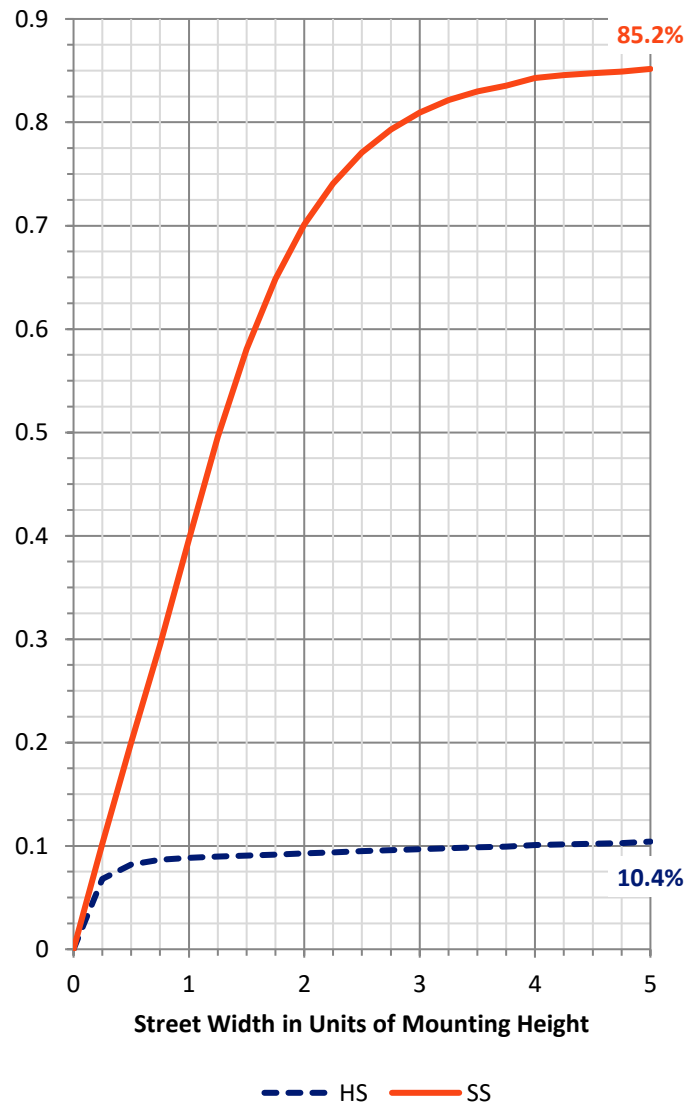
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.2	35.8	290.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1898.8	29.0	1927.8
	% Fixture	85.6	1.3	86.9
Total	Lumens	2153.0	64.8	2217.8
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.9
10°-20°	41.5	1.9
20°-30°	67.3	3.0
30°-40°	143.7	6.5
40°-50°	282.6	12.7
50°-60°	471.9	21.3
60°-70°	585.7	26.4
70°-80°	451.1	20.3
80°-90°	88.2	4.0
90°-100°	47.9	2.2
100°-110°	9.9	0.4
110°-120°	2.8	0.1
120°-130°	2.2	0.1
130°-140°	1.0	0.0
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°	2153.0	97.1
0°-180°	2217.8	100.0

Coefficient of Utilization



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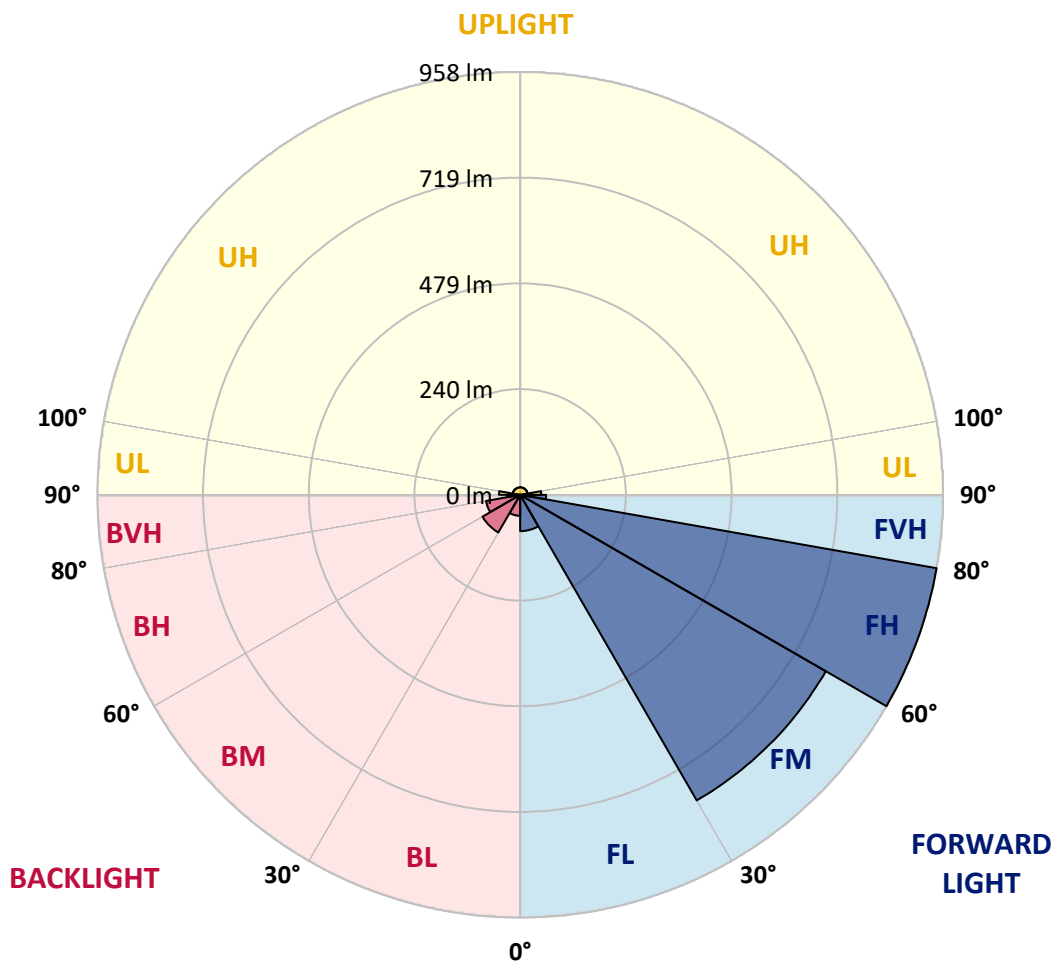
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.3	3.7			
FM	(30°-60°)	799.7	36.1			
FH	(60°-80°)	958.2	43.2			G1/1800
FVH	(80°-90°)	58.7	2.6			G1/100
BL	(0°-30°)	47.6	2.1	B0/110		
BM	(30°-60°)	98.6	4.4	B0/220		
BH	(60°-80°)	78.6	3.5	B0/110		G0/110
BVH	(80°-90°)	29.5	1.3			G1/100
UL	(90°-100°)	47.9	2.2		U2/50	
UH	(100°-180°)	16.9	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°	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4
2.5°	229.7	255.1	256.2	258.6	260.9	264.3	270.1	270.1	270.1	270.1	271.3
5°	218.2	218.2	218.2	220.5	220.5	222.8	223.9	258.6	262.0	265.5	265.5
7.5°	181.2	198.5	199.7	206.6	214.7	218.2	220.5	218.2	214.7	228.5	234.3
10°	198.5	198.5	198.5	200.8	189.3	183.5	169.7	170.8	172.0	182.4	207.8
12.5°	165.1	175.4	185.8	197.4	182.4	163.9	160.4	169.7	172.0	153.5	182.4
15°	192.8	191.6	191.6	181.2	151.2	163.9	143.1	151.2	170.8	187.0	217.0
17.5°	159.3	154.7	180.1	177.8	161.6	129.3	165.1	163.9	181.2	167.4	187.0
20°	189.3	188.1	188.1	145.4	160.4	174.3	172.0	160.4	180.1	200.8	236.6
22.5°	159.3	157.0	161.6	174.3	159.3	180.1	157.0	198.5	189.3	183.5	172.0
25°	200.8	199.7	199.7	159.3	180.1	165.1	198.5	181.2	219.3	238.9	260.9
27.5°	180.1	180.1	172.0	184.7	172.0	207.8	190.5	228.5	248.2	260.9	315.1
30°	249.3	250.5	236.6	183.5	191.6	195.1	225.1	282.8	325.5	356.7	390.1
32.5°	359.0	352.0	294.3	250.5	203.1	241.2	249.3	329.0	349.7	383.2	412.1
35°	488.3	484.8	434.0	324.3	244.7	258.6	278.2	357.8	390.1	423.6	440.9
37.5°	577.1	573.7	541.3	413.2	295.5	301.3	303.6	398.2	439.8	473.2	481.3
40°	649.8	644.1	624.5	482.5	363.6	352.0	340.5	453.6	500.9	528.6	532.1
42.5°	759.5	750.3	700.6	562.1	432.8	420.1	380.9	502.1	558.7	595.6	597.9
45°	891.1	883.0	813.8	672.9	506.7	503.3	452.5	564.4	631.4	675.2	662.5
47.5°	981.1	959.2	919.9	779.1	621.0	591.0	532.1	627.9	709.9	775.7	739.9
50°	1063.1	1046.9	1013.4	896.9	744.5	704.1	615.2	700.6	793.0	853.0	804.5
52.5°	1139.3	1115.0	1087.3	984.6	850.7	831.1	697.2	773.4	888.8	938.4	871.5
55°	1177.3	1139.3	1134.6	1064.2	932.6	916.5	789.5	863.4	989.2	1023.8	934.9
57.5°	1115.0	1113.9	1149.6	1112.7	999.6	991.5	883.0	960.3	1073.5	1089.6	997.3
60°	1073.5	1074.6	1128.9	1131.2	1058.5	1063.1	967.3	1072.3	1135.8	1146.2	1056.1
62.5°	1000.7	1008.8	1090.8	1143.9	1073.5	1131.2	1038.8	1149.6	1202.7	1206.2	1128.9
65°	909.6	917.6	1000.7	1109.2	1057.3	1176.2	1098.9	1236.2	1263.9	1266.2	1208.5
67.5°	803.4	806.8	899.2	1019.2	1018.1	1192.3	1135.8	1293.9	1322.8	1329.7	1276.6
70°	685.6	681.0	765.3	903.8	933.8	1184.3	1180.8	1350.5	1394.3	1393.2	1323.9
72.5°	513.6	535.6	594.4	737.6	809.1	1145.0	1218.9	1389.7	1444.0	1425.5	1276.6
75°	175.4	187.0	346.3	469.8	623.3	1040.0	1227.0	1392.0	1440.5	1358.6	1044.6
77.5°	57.7	54.3	77.3	187.0	346.3	720.3	1079.2	1214.3	1201.6	1056.1	641.8
80°	27.7	28.9	34.6	65.8	127.0	326.7	677.5	768.7	751.4	554.0	278.2
82.5°	18.5	19.6	23.1	38.1	71.6	112.0	360.1	350.9	265.5	174.3	114.3
85°	8.1	8.1	11.5	19.6	43.9	73.9	137.4	120.0	108.5	100.4	93.5
87.5°	2.3	2.3	4.6	6.9	15.0	46.2	77.3	72.7	75.0	78.5	88.9
90°	2.3	2.3	2.3	2.3	11.5	48.5	78.5	73.9	73.9	78.5	93.5
92.5°	3.5	3.5	2.3	2.3	10.4	48.5	82.0	70.4	75.0	79.6	100.4
95°	3.5	4.6	2.3	1.2	8.1	49.6	84.3	75.0	82.0	80.8	107.3
97.5°	4.6	4.6	2.3	1.2	4.6	42.7	85.4	61.2	62.3	57.7	84.3
100°	5.8	5.8	2.3	2.3	3.5	21.9	63.5	39.2	24.2	18.5	27.7
102.5°	6.9	6.9	2.3	2.3	2.3	8.1	28.9	23.1	12.7	3.5	6.9
105°	6.9	8.1	2.3	2.3	1.2	3.5	12.7	9.2	4.6	3.5	6.9
107.5°	8.1	8.1	2.3	2.3	1.2	2.3	3.5	3.5	2.3	3.5	6.9
110°	8.1	8.1	3.5	2.3	1.2	2.3	1.2	2.3	2.3	3.5	8.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.8	5.8	2.3	3.5	1.2	1.2	1.2	2.3	2.3	3.5	6.9
115°	3.5	2.3	1.2	2.3	1.2	1.2	1.2	2.3	2.3	2.3	5.8
117.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	3.5	6.9
120°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	4.6	8.1
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.6	9.2
125°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	8.1
127.5°	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	2.3	3.5	6.9
130°	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	2.3	4.6
132.5°	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	2.3	4.6
135°	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3
137.5°	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	0.0	0.0	0.0	0.0	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°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	2.3	2.3	1.2	1.2
155°	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	2.3	2.3
157.5°	0.0	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
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°	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4	272.4
2.5°	271.3	271.3	270.1	272.4	271.3	271.3	256.2	241.2	237.8	238.9	241.2
5°	266.6	266.6	266.6	248.2	227.4	220.5	222.8	222.8	222.8	221.6	223.9
7.5°	235.5	234.3	230.9	210.1	219.3	218.2	217.0	214.7	187.0	180.1	180.1
10°	208.9	208.9	178.9	170.8	170.8	177.8	182.4	175.4	172.0	166.2	165.1
12.5°	183.5	183.5	153.5	170.8	144.3	143.1	139.7	128.1	108.5	94.6	95.8
15°	218.2	218.2	181.2	145.4	121.2	114.3	71.6	66.9	64.6	63.5	62.3
17.5°	185.8	187.0	167.4	144.3	113.1	60.0	50.8	50.8	50.8	48.5	43.9
20°	235.5	235.5	195.1	129.3	85.4	47.3	39.2	34.6	47.3	47.3	47.3
22.5°	170.8	168.5	172.0	131.6	53.1	38.1	32.3	40.4	42.7	35.8	35.8
25°	258.6	255.1	208.9	94.6	43.9	30.0	35.8	31.2	40.4	40.4	40.4
27.5°	318.6	295.5	212.4	86.6	32.3	34.6	28.9	34.6	31.2	30.0	30.0
30°	383.2	372.8	256.2	68.1	31.2	28.9	30.0	27.7	32.3	30.0	30.0
32.5°	404.0	393.6	232.0	53.1	30.0	27.7	25.4	26.5	25.4	26.5	26.5
35°	430.5	420.1	205.5	40.4	27.7	24.2	23.1	23.1	21.9	20.8	20.8
37.5°	468.6	451.3	175.4	34.6	25.4	21.9	18.5	17.3	18.5	23.1	24.2
40°	512.5	483.6	138.5	31.2	21.9	18.5	13.9	16.2	19.6	19.6	19.6
42.5°	576.0	522.9	102.7	28.9	19.6	15.0	10.4	12.7	15.0	20.8	20.8
45°	631.4	546.0	72.7	26.5	16.2	11.5	8.1	12.7	16.2	18.5	18.5
47.5°	696.0	567.9	54.3	25.4	15.0	8.1	9.2	12.7	12.7	19.6	19.6
50°	750.3	572.5	43.9	23.1	11.5	5.8	11.5	11.5	13.9	17.3	17.3
52.5°	801.1	577.1	39.2	20.8	9.2	4.6	11.5	11.5	16.2	20.8	20.8
55°	834.5	563.3	35.8	18.5	8.1	3.5	12.7	12.7	12.7	16.2	16.2
57.5°	861.1	546.0	33.5	16.2	6.9	6.9	13.9	16.2	13.9	16.2	16.2
60°	878.4	514.8	28.9	15.0	5.8	6.9	17.3	20.8	16.2	24.2	24.2
62.5°	909.6	490.6	25.4	13.9	4.6	6.9	17.3	26.5	20.8	32.3	33.5
65°	934.9	468.6	21.9	10.4	4.6	9.2	19.6	33.5	25.4	40.4	41.6
67.5°	945.3	442.1	18.5	9.2	4.6	10.4	25.4	41.6	32.3	47.3	47.3
70°	937.3	414.4	15.0	9.2	4.6	16.2	33.5	48.5	39.2	57.7	58.9
72.5°	866.8	353.2	11.5	9.2	3.5	17.3	41.6	57.7	47.3	78.5	80.8
75°	663.7	223.9	11.5	9.2	4.6	19.6	48.5	66.9	56.6	87.7	91.2
77.5°	405.1	103.9	11.5	10.4	5.8	24.2	53.1	77.3	62.3	94.6	97.0
80°	180.1	64.6	11.5	11.5	11.5	30.0	62.3	85.4	70.4	100.4	103.9
82.5°	90.0	48.5	10.4	11.5	17.3	35.8	73.9	91.2	72.7	103.9	105.0
85°	77.3	43.9	10.4	12.7	18.5	41.6	79.6	92.3	76.2	102.7	103.9
87.5°	73.9	41.6	12.7	12.7	20.8	43.9	82.0	97.0	78.5	99.3	98.1
90°	77.3	40.4	13.9	15.0	26.5	45.0	83.1	94.6	78.5	93.5	93.5
92.5°	79.6	39.2	15.0	17.3	32.3	50.8	82.0	92.3	78.5	86.6	86.6
95°	82.0	39.2	17.3	19.6	32.3	55.4	78.5	84.3	72.7	77.3	76.2
97.5°	62.3	28.9	20.8	21.9	30.0	42.7	63.5	65.8	47.3	46.2	45.0
100°	21.9	12.7	20.8	24.2	18.5	18.5	38.1	46.2	27.7	17.3	19.6
102.5°	6.9	5.8	18.5	24.2	15.0	6.9	19.6	28.9	20.8	2.3	2.3
105°	6.9	6.9	10.4	19.6	10.4	2.3	6.9	16.2	12.7	2.3	2.3
107.5°	6.9	5.8	4.6	11.5	3.5	2.3	3.5	3.5	3.5	1.2	2.3
110°	8.1	5.8	2.3	3.5	2.3	2.3	2.3	2.3	2.3	4.6	4.6

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CANDELA DISTRIBUTION (continued):

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