

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: P559963

Luminaire Tested: **SDL-PA1-20-722-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1540 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - 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

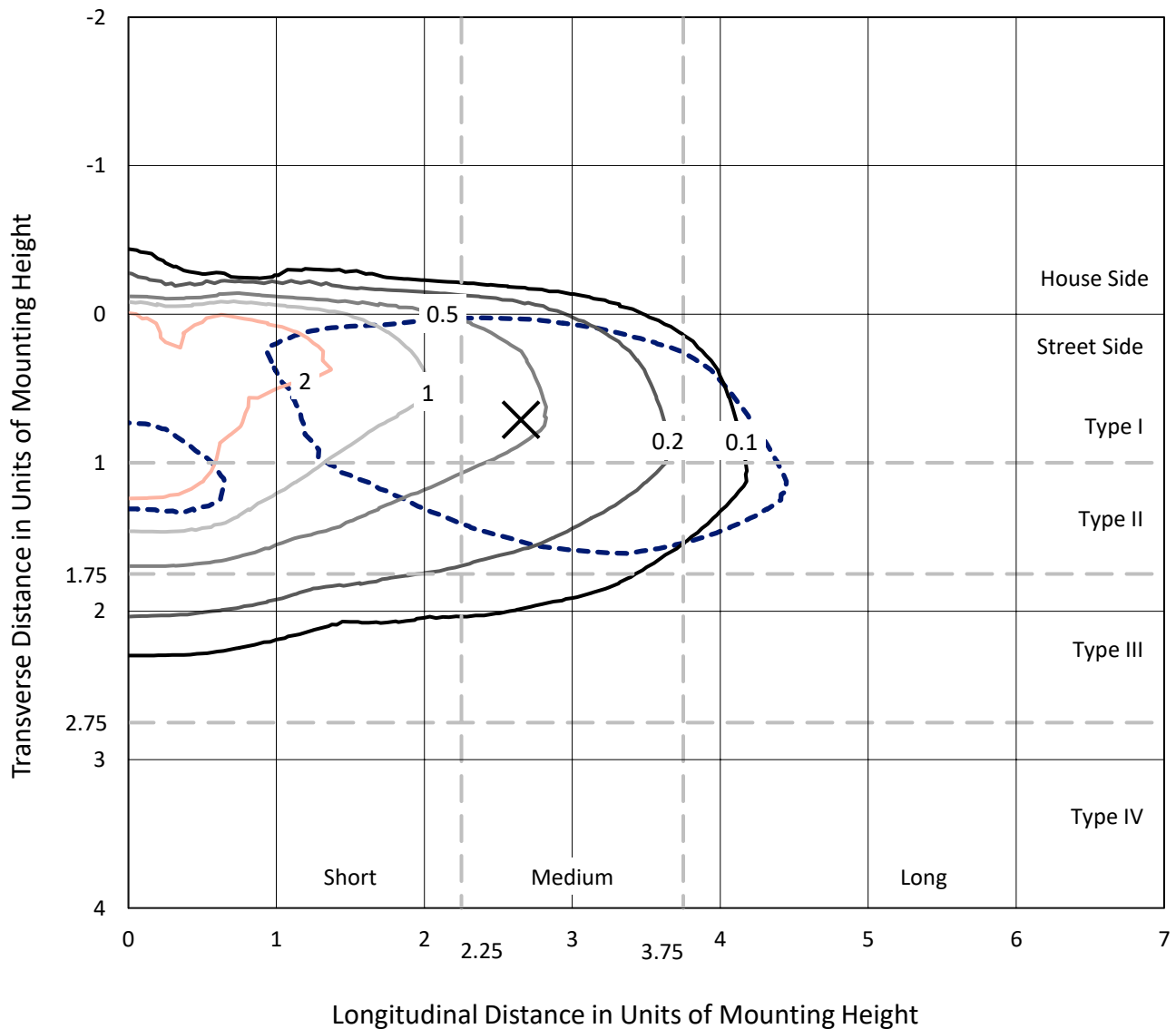


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

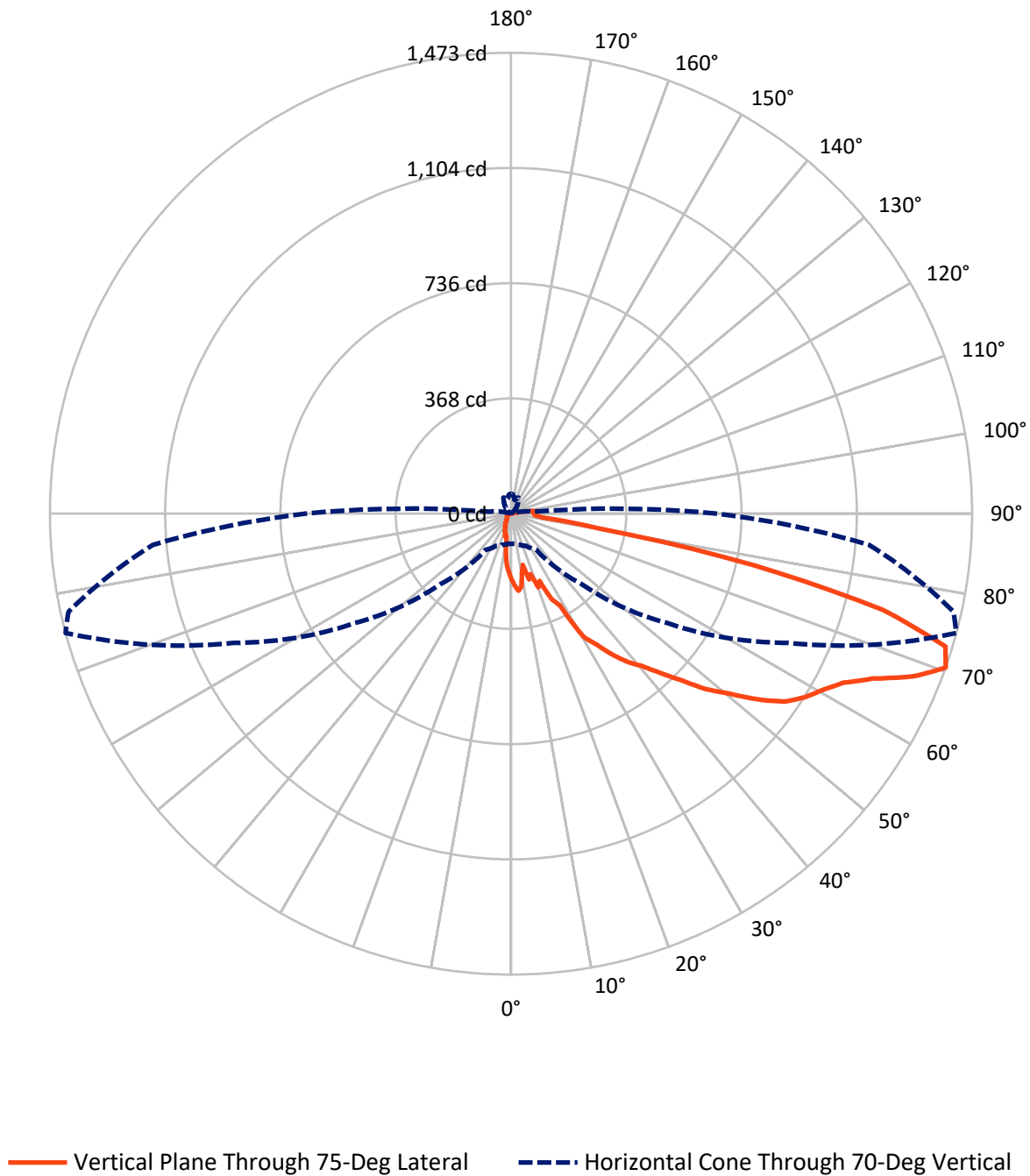


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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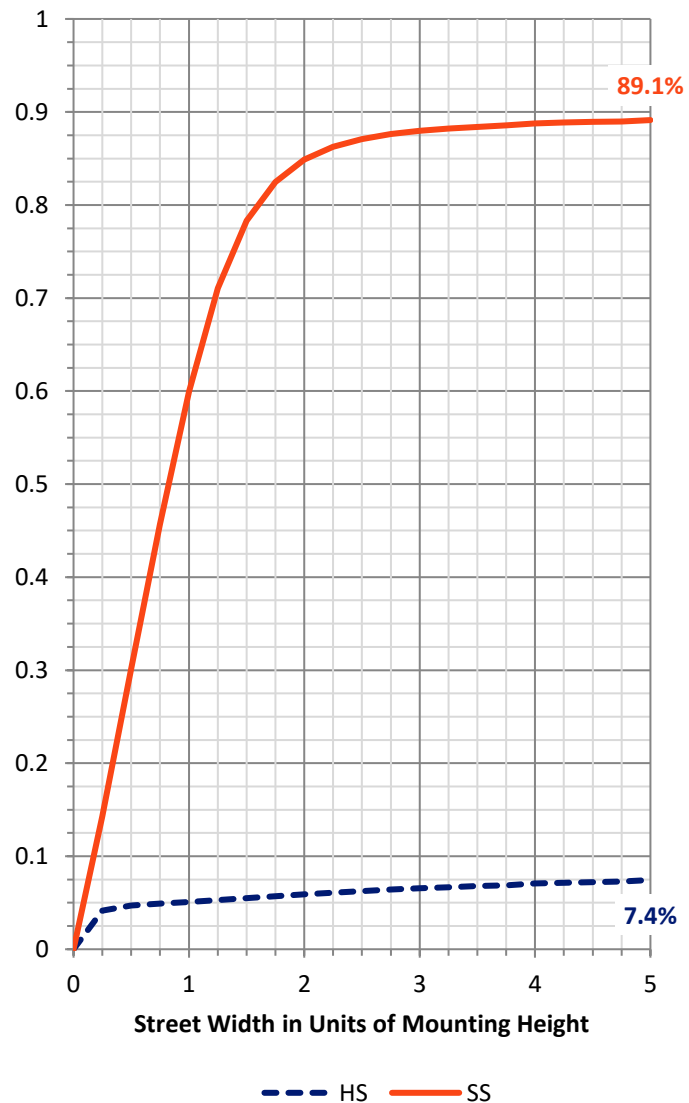
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	125.5	15.6	141.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	1379.4	19.6	1399.0
	% Fixture	89.6	1.3	90.8
Total	Lumens	1504.9	35.2	1540.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	1.1
10°-20°	40.6	2.6
20°-30°	76.2	4.9
30°-40°	171.0	11.1
40°-50°	281.5	18.3
50°-60°	345.1	22.4
60°-70°	323.2	21.0
70°-80°	210.4	13.7
80°-90°	40.2	2.6
90°-100°	23.1	1.5
100°-110°	5.2	0.3
110°-120°	2.6	0.2
120°-130°	2.2	0.1
130°-140°	1.1	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°	1504.9	97.7
0°-180°	1540.0	100.0

Coefficient of Utilization



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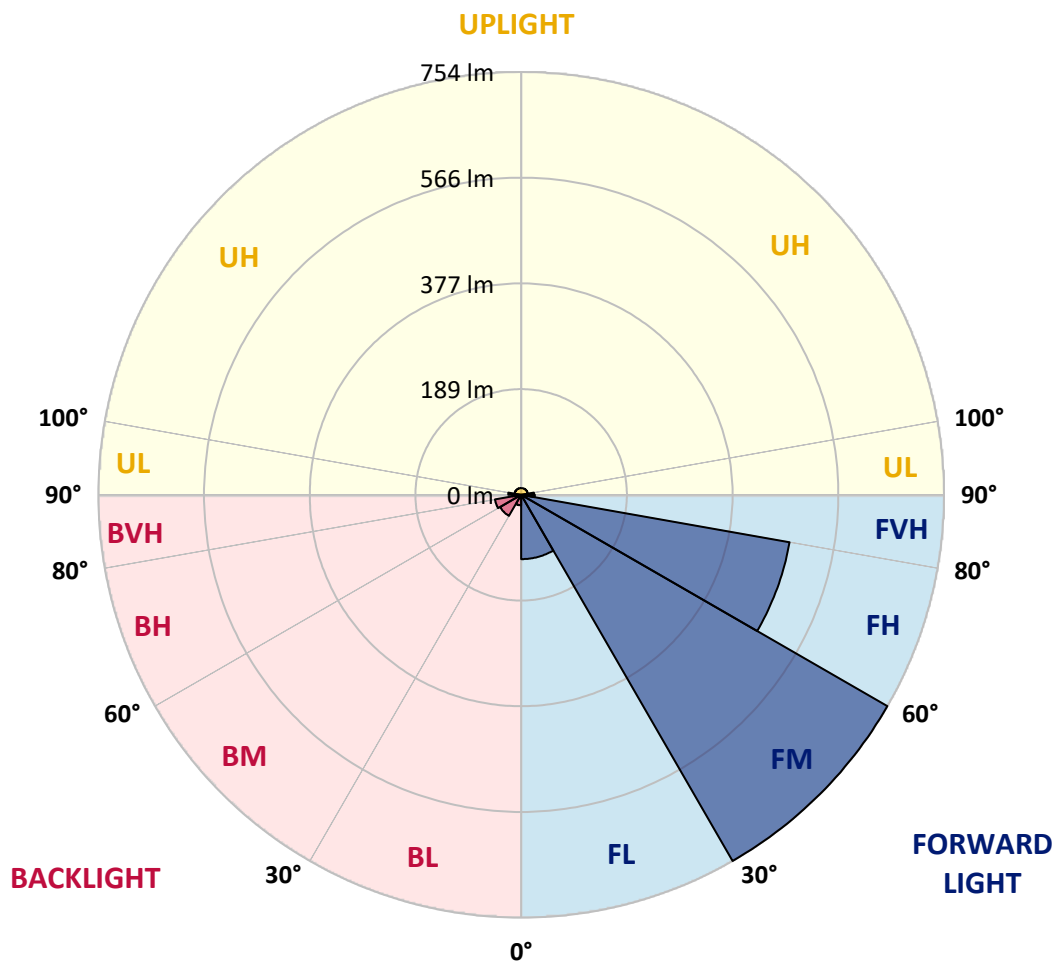
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.7	7.4			
FM	(30°-60°)	754.2	49.0			
FH	(60°-80°)	486.1	31.6			G0/660
FVH	(80°-90°)	24.3	1.6			G1/100
BL	(0°-30°)	18.7	1.2	B0/110		
BM	(30°-60°)	43.4	2.8	B0/220		
BH	(60°-80°)	47.5	3.1	B0/110		G0/110
BVH	(80°-90°)	15.9	1.0			G1/100
UL	(90°-100°)	23.1	1.5		U2/50	
UH	(100°-180°)	12.1	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	233.8	248.5	252.9	260.2	263.9	259.5	251.4	241.1	230.1	227.2	217.6
5°	265.4	262.4	260.2	260.2	255.8	246.3	237.5	264.7	247.7	244.1	225.0
7.5°	241.1	263.9	280.8	282.3	280.1	272.7	260.2	232.3	236.0	231.6	208.0
10°	291.9	292.6	289.6	291.9	271.3	261.0	220.5	203.6	190.4	208.0	186.7
12.5°	241.9	277.9	298.5	305.8	280.1	246.3	225.7	216.9	168.3	163.9	169.1
15°	295.5	297.0	299.2	291.9	227.2	258.0	209.5	193.3	218.3	212.5	208.8
17.5°	233.8	236.7	286.7	283.8	263.2	204.4	249.2	222.0	202.9	195.6	190.4
20°	297.7	298.5	297.7	225.7	245.5	274.9	234.5	227.2	251.4	248.5	235.2
22.5°	250.0	250.0	266.9	289.6	258.0	275.7	238.9	283.0	233.8	232.3	175.0
25°	345.5	345.5	333.8	255.8	292.6	259.5	283.8	254.4	302.1	291.9	262.4
27.5°	336.0	325.7	307.3	322.7	283.0	324.9	274.9	310.2	333.0	342.6	327.1
30°	466.8	466.8	447.0	345.5	331.6	313.9	317.6	371.3	456.5	458.0	395.5
32.5°	632.2	620.5	515.3	445.5	362.4	394.0	358.8	436.7	496.2	494.0	420.5
35°	699.9	696.2	663.8	547.0	419.8	431.5	404.3	461.7	549.9	535.2	450.6
37.5°	769.0	763.1	730.0	604.3	480.1	495.5	438.1	498.4	599.1	577.8	483.7
40°	811.6	812.3	788.8	649.9	527.8	535.9	478.6	543.3	638.8	643.3	512.4
42.5°	856.5	855.7	836.6	703.5	567.5	577.8	510.9	585.9	692.5	697.7	560.9
45°	880.7	879.2	868.2	740.3	599.1	606.5	560.9	638.1	757.9	756.5	600.6
47.5°	886.6	888.8	888.1	776.3	632.2	635.2	605.8	676.3	837.3	821.2	652.8
50°	853.5	855.0	865.3	805.0	656.5	659.4	641.1	719.7	904.2	885.1	699.9
52.5°	761.6	770.4	813.8	787.3	666.8	677.8	674.1	752.8	985.8	962.3	757.9
55°	566.1	586.7	685.9	721.2	661.6	678.5	703.5	813.1	1060.1	1031.4	805.0
57.5°	451.4	455.1	513.9	610.9	619.7	674.9	734.4	849.8	1106.4	1077.7	838.8
60°	356.5	362.4	400.7	478.6	541.1	652.8	743.2	887.3	1143.2	1118.9	876.3
62.5°	276.4	275.7	305.1	357.3	435.9	606.5	731.5	910.1	1190.2	1171.8	943.2
65°	192.6	192.6	217.6	259.5	330.1	523.4	708.0	942.5	1270.3	1265.2	1026.3
67.5°	131.6	134.5	151.4	172.0	226.4	425.7	672.7	975.5	1387.2	1363.0	1106.4
70°	96.3	96.3	102.9	113.9	141.1	317.6	609.4	976.3	1472.5	1447.5	1148.3
72.5°	71.3	71.3	76.5	81.6	89.0	211.0	499.9	914.5	1450.5	1410.8	1063.0
75°	37.5	37.5	58.1	60.3	59.5	136.7	369.0	751.3	1226.2	1160.1	832.2
77.5°	29.4	30.1	33.1	47.0	43.4	89.7	205.8	462.4	792.5	711.6	450.6
80°	21.3	20.6	25.7	30.1	25.7	52.2	97.0	202.9	280.8	243.3	148.5
82.5°	12.5	13.2	15.4	22.1	22.1	36.8	63.2	89.0	100.7	100.0	89.0
85°	1.5	2.2	8.1	14.7	13.2	21.3	52.9	61.8	79.4	80.9	79.4
87.5°	1.5	1.5	2.2	2.9	3.7	14.0	44.8	53.7	73.5	78.7	79.4
90°	2.9	2.2	1.5	1.5	2.2	11.0	41.9	55.1	77.9	79.4	83.1
92.5°	3.7	2.9	1.5	0.7	2.2	8.8	39.7	55.1	80.9	86.0	89.7
95°	5.1	4.4	1.5	0.7	2.2	7.4	33.8	52.2	84.5	93.4	97.0
97.5°	6.6	5.9	1.5	1.5	2.2	5.9	26.5	41.2	55.9	63.2	68.4
100°	7.4	7.4	1.5	1.5	2.2	3.7	13.2	22.8	17.6	16.9	19.1
102.5°	8.1	8.1	1.5	1.5	1.5	2.2	4.4	9.6	3.7	3.7	5.9
105°	8.1	8.1	1.5	1.5	1.5	1.5	1.5	3.7	2.9	3.7	6.6
107.5°	7.4	8.1	1.5	2.2	2.2	1.5	1.5	1.5	2.9	4.4	6.6
110°	6.6	6.6	1.5	2.2	2.2	1.5	0.7	1.5	2.9	4.4	7.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	5.1	3.7	0.7	2.2	1.5	1.5	0.7	1.5	3.7	5.1	7.4
115°	2.2	1.5	0.7	1.5	1.5	1.5	0.7	1.5	3.7	5.9	7.4
117.5°	1.5	0.7	0.7	0.7	0.7	1.5	0.7	2.2	5.1	6.6	8.8
120°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	6.6	7.4	10.3
122.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	6.6	7.4	10.3
125°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	5.1	6.6	8.8
127.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	3.7	5.1	7.4
130°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	3.7	4.4	5.9
132.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.9	4.4
135°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.9
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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	0.7	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	1.5	0.7	0.7	0.7	0.7	0.7
150°	1.5	2.2	3.7	2.9	1.5	0.7	1.5	0.7	0.7	0.7	0.7
152.5°	3.7	3.7	2.9	2.9	0.7	0.7	1.5	1.5	0.7	0.7	0.7
155°	2.9	2.9	2.2	0.7	0.7	0.7	0.7	1.5	2.2	2.9	2.2
157.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	210.3	202.9	186.7	174.2	161.0	153.6	139.7	127.9	119.1	117.6	117.6
5°	210.3	195.6	166.9	136.0	107.3	92.6	84.5	79.4	75.7	74.3	73.5
7.5°	188.2	169.1	130.9	94.8	82.3	69.1	59.5	52.2	45.6	43.4	41.2
10°	164.7	141.1	89.0	65.4	52.2	43.4	39.0	36.8	34.6	33.8	33.8
12.5°	146.3	122.0	71.3	53.7	36.8	30.9	29.4	27.9	27.2	26.5	25.7
15°	178.6	146.3	74.3	36.8	25.7	22.1	20.6	21.3	22.8	22.8	22.8
17.5°	165.4	128.7	61.8	27.9	21.3	16.2	17.6	19.1	20.6	18.4	17.6
20°	197.8	151.4	60.3	22.1	17.6	16.2	15.4	13.2	16.9	16.9	16.9
22.5°	143.4	114.7	45.6	20.6	14.7	14.0	11.8	13.2	14.0	11.8	11.8
25°	212.5	149.2	44.8	16.2	14.7	11.0	11.8	9.6	11.8	11.8	11.8
27.5°	263.2	176.4	39.7	16.9	12.5	11.0	8.8	9.6	8.8	8.8	8.8
30°	313.2	198.5	36.0	16.9	11.8	8.8	8.1	7.4	8.8	8.8	8.8
32.5°	327.9	193.3	28.7	17.6	11.0	8.1	6.6	7.4	7.4	8.1	8.1
35°	344.8	188.9	24.3	15.4	10.3	7.4	5.9	6.6	7.4	8.1	8.1
37.5°	361.0	181.6	22.1	14.0	8.8	6.6	5.1	5.9	15.4	16.9	16.9
40°	381.5	172.8	20.6	12.5	7.4	5.1	4.4	11.8	14.0	16.2	16.2
42.5°	410.9	167.6	19.1	11.8	6.6	4.4	4.4	10.3	19.8	22.1	22.1
45°	435.2	158.8	18.4	10.3	5.9	3.7	7.4	14.0	16.2	20.6	19.8
47.5°	465.4	150.7	17.6	9.6	5.1	3.7	8.1	14.7	20.6	23.5	23.5
50°	497.7	146.3	16.9	8.8	5.1	3.7	14.0	14.0	16.9	26.5	26.5
52.5°	538.9	143.4	15.4	7.4	4.4	7.4	19.1	16.9	20.6	27.2	27.2
55°	558.7	133.8	14.7	6.6	3.7	7.4	20.6	19.1	21.3	28.7	28.7
57.5°	576.4	124.2	13.2	6.6	3.7	9.6	22.1	24.3	20.6	25.0	27.9
60°	592.5	114.7	11.8	5.9	3.7	11.8	24.3	33.8	28.7	33.8	33.8
62.5°	630.0	107.3	10.3	6.6	2.9	13.2	31.6	41.2	32.3	41.2	40.4
65°	665.3	98.5	9.6	5.9	3.7	15.4	34.6	47.8	35.3	47.8	47.8
67.5°	679.3	87.5	8.8	5.9	3.7	17.6	34.6	52.9	41.9	53.7	54.4
70°	655.0	72.0	8.1	6.6	4.4	19.8	36.0	56.6	44.8	62.5	62.5
72.5°	556.5	49.3	8.1	7.4	8.8	22.1	42.6	58.8	47.0	75.0	75.7
75°	415.4	27.9	8.8	8.1	9.6	25.0	47.0	61.0	49.3	75.7	75.7
77.5°	236.7	19.1	8.8	9.6	11.8	25.0	49.3	63.2	48.5	74.3	72.8
80°	82.3	14.0	8.8	11.0	14.7	25.0	50.0	62.5	47.0	69.1	69.1
82.5°	55.9	11.8	8.8	11.0	17.6	26.5	49.3	58.8	41.9	58.1	55.9
85°	52.2	9.6	9.6	11.8	19.1	26.5	44.8	50.7	35.3	43.4	42.6
87.5°	51.5	8.8	11.0	12.5	20.6	24.3	38.2	41.9	28.7	35.3	34.6
90°	53.7	8.8	11.8	13.2	19.1	19.8	30.9	35.3	23.5	27.9	27.2
92.5°	57.3	8.8	12.5	14.7	16.9	14.7	25.0	27.9	19.8	21.3	20.6
95°	61.0	8.8	14.0	15.4	14.0	11.0	19.1	22.8	16.2	15.4	15.4
97.5°	40.4	6.6	14.7	15.4	11.8	8.1	14.7	17.6	9.6	8.1	8.1
100°	13.2	5.1	15.4	16.2	11.0	5.9	12.5	13.2	7.4	3.7	3.7
102.5°	5.9	5.1	14.0	14.0	9.6	4.4	8.8	9.6	5.1	1.5	1.5
105°	5.1	2.9	8.1	10.3	6.6	2.2	4.4	5.1	2.9	1.5	1.5
107.5°	5.9	2.9	4.4	5.9	2.9	2.2	2.2	2.2	1.5	1.5	1.5
110°	5.9	2.9	2.2	3.7	2.9	2.2	1.5	1.5	1.5	2.2	2.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	2.9	2.2	2.9	2.2	2.2	1.5	1.5	2.9	5.1	5.1
115°	6.6	2.9	2.2	2.9	2.2	2.2	1.5	0.7	2.9	7.4	8.1
117.5°	7.4	3.7	1.5	2.2	1.5	1.5	1.5	0.7	3.7	9.6	9.6
120°	8.8	3.7	1.5	1.5	1.5	0.7	1.5	1.5	3.7	10.3	10.3
122.5°	8.8	4.4	1.5	1.5	1.5	0.7	0.7	1.5	4.4	9.6	10.3
125°	7.4	3.7	1.5	1.5	1.5	0.7	0.7	1.5	4.4	8.8	10.3
127.5°	5.9	3.7	1.5	1.5	1.5	0.7	0.7	1.5	4.4	7.4	8.1
130°	5.1	2.9	1.5	1.5	1.5	0.7	0.7	1.5	3.7	5.9	6.6
132.5°	3.7	2.2	1.5	1.5	1.5	0.7	0.7	0.7	3.7	5.9	5.9
135°	2.9	2.2	1.5	1.5	1.5	0.7	0.7	0.7	2.9	4.4	4.4
137.5°	1.5	0.7	1.5	1.5	1.5	0.7	0.7	0.7	2.2	2.2	2.2
140°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	1.5	0.7
142.5°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
155°	1.5	1.5	0.7	1.5	0.7	0.7	0.0	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	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

(END OF REPORT)