

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: P561023

Luminaire Tested: **SDL-PA1-80-722-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561023
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-PA1-80-722-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 4662.6 lumens
Efficiency: N/A
Efficacy: 56.9 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: B1 - U3 - G1

Input Watts (W): 82
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

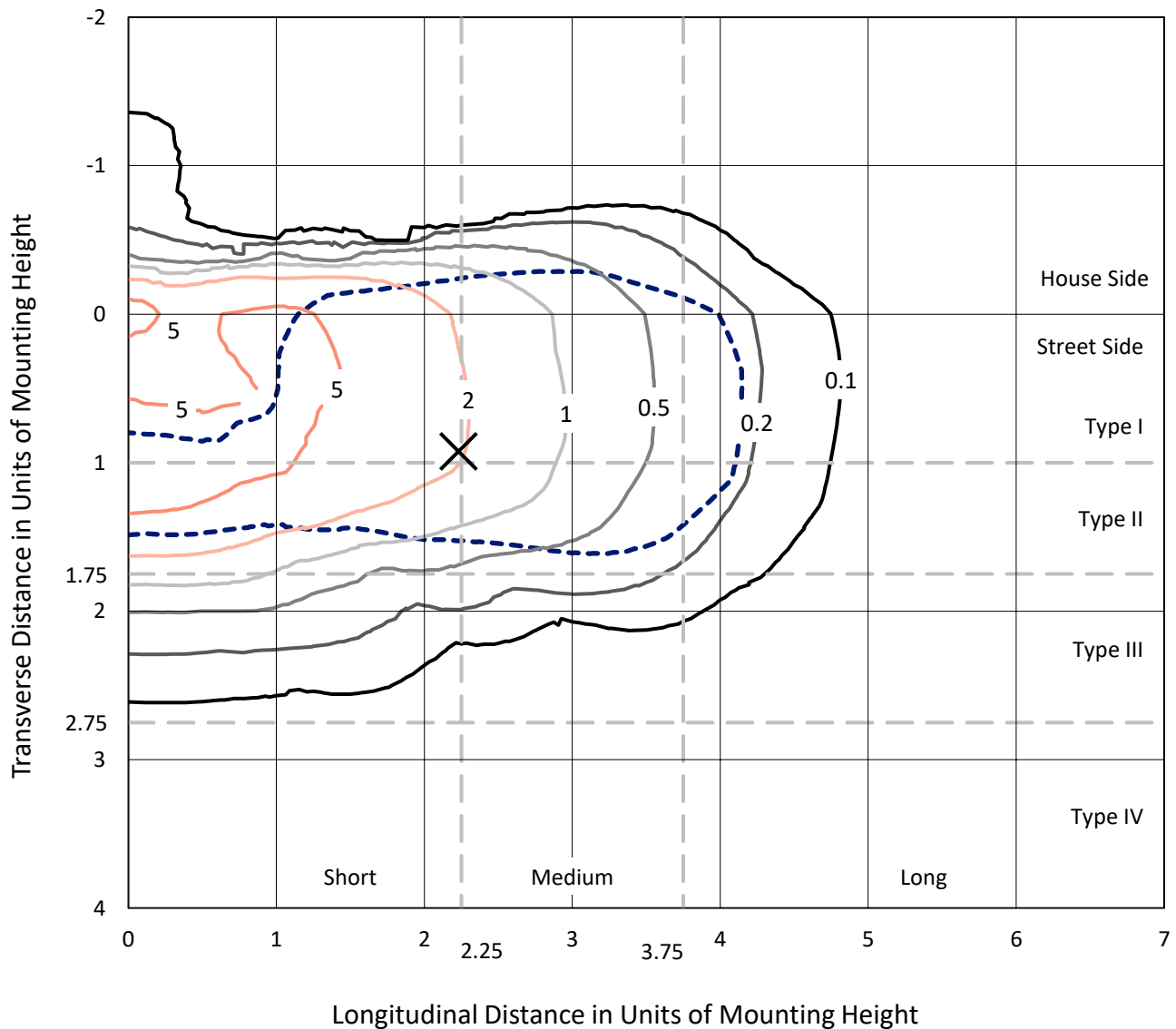


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

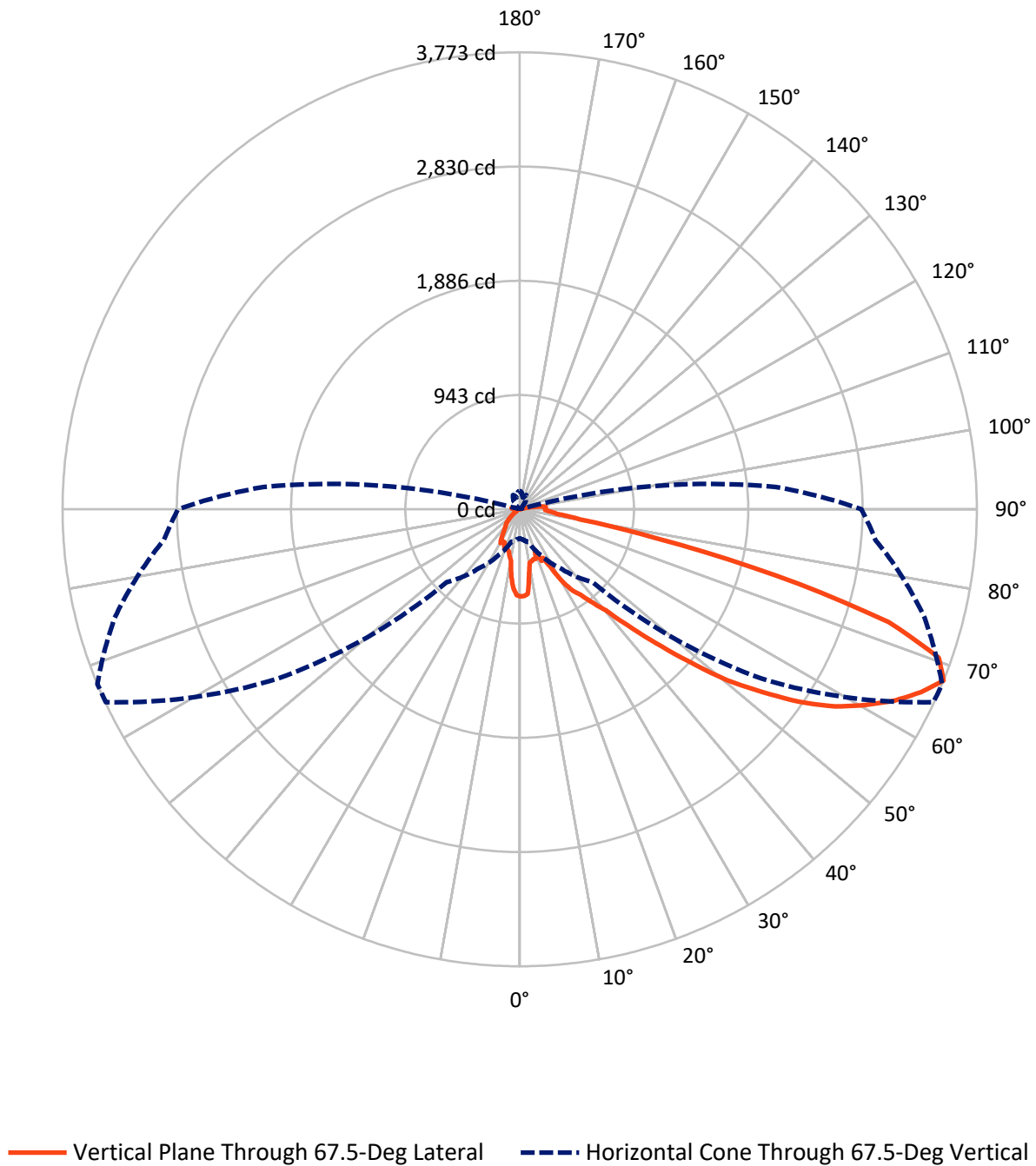


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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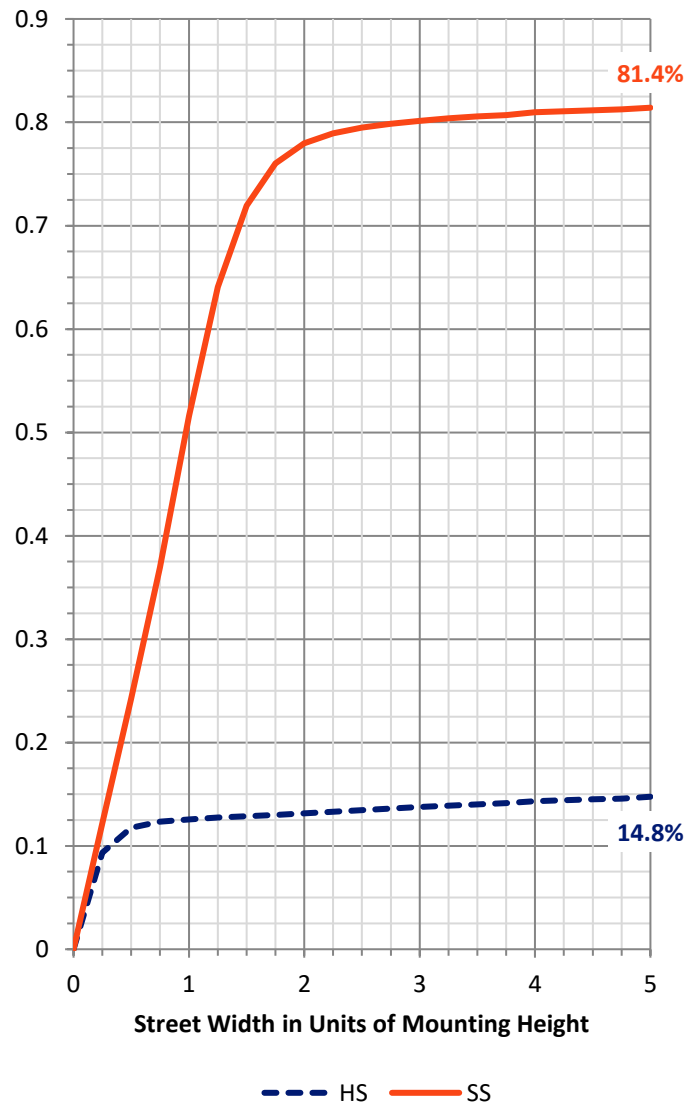
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.6	54.4	784.0
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3820.7	57.8	3878.6
	% Fixture	81.9	1.2	83.2
Total	Lumens	4550.3	112.2	4662.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.2
10°-20°	105.4	2.3
20°-30°	159.0	3.4
30°-40°	366.2	7.9
40°-50°	816.3	17.5
50°-60°	1214.7	26.1
60°-70°	1083.3	23.2
70°-80°	608.1	13.0
80°-90°	142.0	3.0
90°-100°	77.9	1.7
100°-110°	18.0	0.4
110°-120°	7.1	0.2
120°-130°	4.7	0.1
130°-140°	2.4	0.1
140°-150°	1.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4550.3	97.6
0°-180°	4662.6	100.0

Coefficient of Utilization



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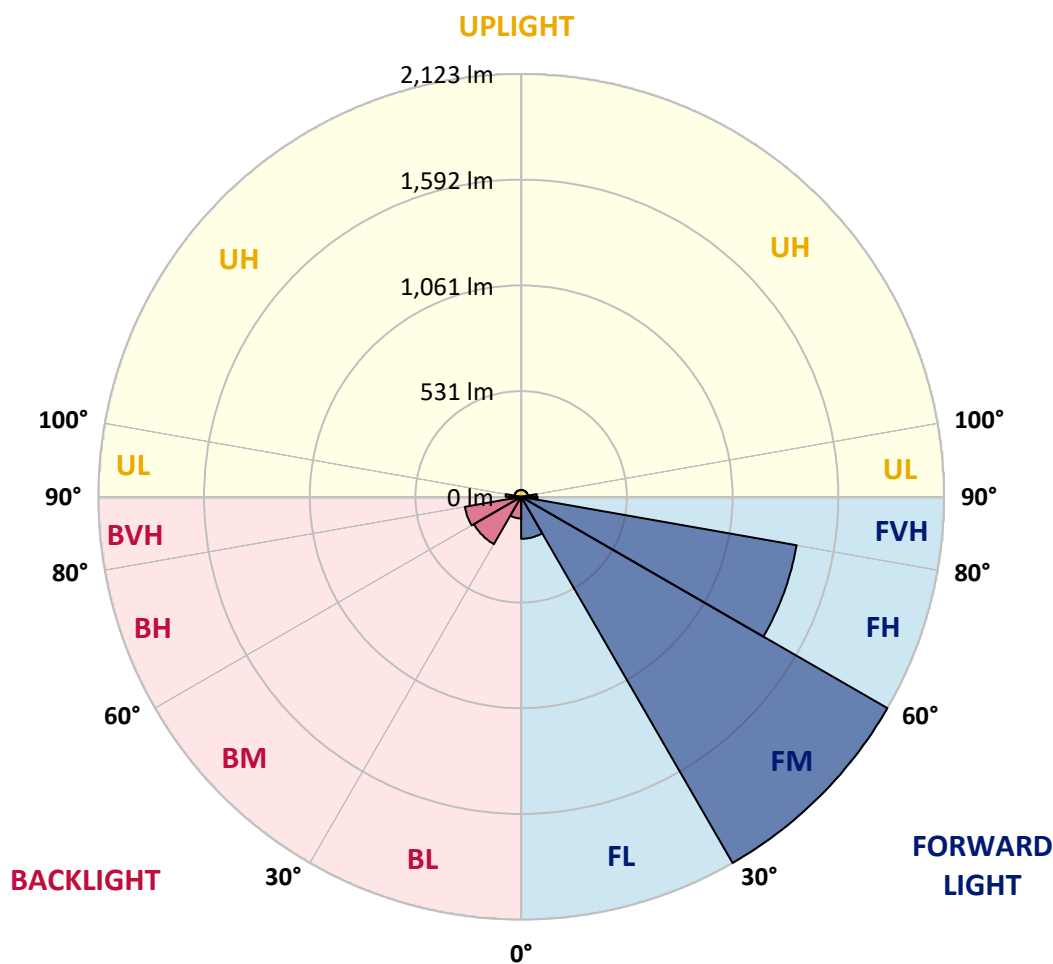
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.9	4.5			
FM	(30°-60°)	2123.0	45.5			
FH	(60°-80°)	1404.4	30.1			G1/1800
FVH	(80°-90°)	82.4	1.8			G1/100
BL	(0°-30°)	108.7	2.3	B0/110		
BM	(30°-60°)	274.2	5.9	B1/1000		
BH	(60°-80°)	287.1	6.2	B1/500		G1/500
BVH	(80°-90°)	59.6	1.3			G1/100
UL	(90°-100°)	77.9	1.7		U3/500	
UH	(100°-180°)	34.3	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	609.7	644.6	681.9	706.8	711.8	719.2	719.2	716.7	716.7	714.3	714.3
5°	592.3	589.8	592.3	597.3	594.8	594.8	594.8	694.3	701.8	706.8	706.8
7.5°	510.2	522.6	562.4	577.4	582.4	587.3	587.3	579.9	552.5	612.2	619.7
10°	555.0	552.5	552.5	557.5	520.1	505.2	455.4	448.0	448.0	467.9	532.6
12.5°	465.4	492.8	530.1	545.0	502.7	445.5	433.0	443.0	440.5	385.7	450.5
15°	527.6	527.6	522.6	512.7	395.7	443.0	373.3	373.3	425.6	457.9	515.2
17.5°	428.1	440.5	502.7	495.2	435.5	333.5	435.5	400.7	430.5	403.2	433.0
20°	525.1	522.6	525.1	400.7	443.0	457.9	435.5	390.7	355.9	467.9	517.6
22.5°	433.0	428.1	452.9	495.2	418.1	475.3	398.2	475.3	462.9	415.6	373.3
25°	560.0	557.5	562.4	438.0	490.3	425.6	490.3	425.6	445.5	532.6	545.0
27.5°	505.2	502.7	495.2	535.1	465.4	537.6	462.9	520.1	535.1	577.4	669.5
30°	711.8	701.8	676.9	537.6	547.5	517.6	547.5	639.6	689.4	774.0	801.4
32.5°	1037.8	985.5	821.3	711.8	579.9	662.0	619.7	751.6	798.9	841.2	863.6
35°	1341.4	1319.0	1199.5	940.7	706.8	731.7	699.3	841.2	868.6	958.1	953.2
37.5°	1757.0	1719.7	1535.5	1214.5	888.5	878.5	796.4	958.1	978.1	1107.5	1082.6
40°	2068.1	2038.2	1893.9	1508.1	1129.9	1042.8	930.8	1119.9	1097.5	1271.7	1236.9
42.5°	2366.7	2349.3	2237.3	1844.1	1396.2	1296.6	1070.1	1319.0	1314.0	1465.8	1436.0
45°	2608.1	2588.2	2516.1	2145.2	1702.3	1704.8	1289.1	1538.0	1572.8	1717.2	1640.0
47.5°	2750.0	2707.7	2655.4	2384.2	2010.9	2095.5	1612.7	1786.9	1871.5	1995.9	1879.0
50°	2717.6	2675.3	2680.3	2536.0	2294.6	2431.4	1958.6	2050.7	2219.9	2317.0	2085.5
52.5°	2458.8	2433.9	2516.1	2508.6	2438.9	2740.0	2361.8	2336.9	2503.6	2568.3	2297.1
55°	2090.5	2055.7	2210.0	2319.5	2438.9	2931.7	2735.1	2655.4	2807.2	2797.3	2441.4
57.5°	1587.8	1600.2	1774.4	1946.2	2239.8	2969.0	3011.3	3001.4	3071.0	2986.4	2555.9
60°	1085.1	1092.5	1338.9	1533.0	1836.7	2772.4	3100.9	3287.6	3280.1	3145.7	2685.3
62.5°	681.9	679.4	866.1	1172.2	1321.5	2257.2	3066.1	3504.1	3476.7	3265.2	2784.8
65°	393.2	403.2	470.4	776.5	918.3	1540.5	2864.5	3715.6	3638.5	3372.2	2891.9
67.5°	241.4	248.9	281.2	420.6	599.8	851.1	2436.4	3767.9	3772.8	3459.3	2949.1
70°	204.1	206.6	221.5	258.8	418.1	477.8	1640.0	3524.0	3668.3	3479.2	2931.7
72.5°	171.7	174.2	196.6	226.5	311.1	338.5	736.7	2911.8	3185.5	3327.4	2804.7
75°	126.9	129.4	161.8	206.6	226.5	271.3	403.2	1928.7	2187.6	2630.5	2391.6
77.5°	82.1	84.6	114.5	166.7	191.6	214.0	326.0	900.9	1139.8	1520.6	1510.6
80°	54.8	54.8	67.2	117.0	151.8	174.2	283.7	445.5	507.7	627.1	587.3
82.5°	34.8	34.8	42.3	72.2	97.1	174.2	266.3	318.6	308.6	313.6	278.7
85°	14.9	14.9	22.4	39.8	52.3	114.5	238.9	273.8	261.3	261.3	248.9
87.5°	5.0	5.0	7.5	12.4	17.4	34.8	184.2	219.0	211.5	219.0	236.4
90°	5.0	5.0	2.5	5.0	5.0	24.9	149.3	216.5	211.5	221.5	243.9
92.5°	7.5	7.5	2.5	2.5	5.0	19.9	117.0	224.0	216.5	231.4	253.8
95°	12.4	12.4	5.0	2.5	7.5	17.4	72.2	199.1	216.5	229.0	258.8
97.5°	14.9	14.9	5.0	5.0	7.5	14.9	37.3	161.8	166.7	174.2	204.1
100°	19.9	19.9	5.0	5.0	5.0	12.4	19.9	84.6	87.1	62.2	99.5
102.5°	19.9	19.9	5.0	5.0	5.0	7.5	10.0	37.3	34.8	12.4	12.4
105°	22.4	22.4	7.5	5.0	5.0	5.0	5.0	12.4	12.4	7.5	14.9
107.5°	22.4	22.4	7.5	7.5	5.0	5.0	2.5	5.0	7.5	7.5	14.9
110°	17.4	17.4	7.5	7.5	5.0	2.5	2.5	2.5	5.0	7.5	17.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	12.4	12.4	5.0	7.5	5.0	2.5	2.5	2.5	5.0	10.0	24.9
115°	5.0	5.0	2.5	5.0	2.5	2.5	2.5	5.0	5.0	7.5	19.9
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	2.5	7.5	17.4
120°	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	10.0	17.4
122.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	10.0	17.4
125°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	7.5	14.9
127.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	14.9
130°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	10.0
132.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	7.5
135°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	5.0	5.0	2.5	0.0	5.0	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	5.0	5.0	2.5	0.0	2.5	5.0	2.5	2.5	2.5
155°	5.0	5.0	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0	7.5
157.5°	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	0.0	0.0	2.5
160°	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	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°	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2	719.2
2.5°	711.8	711.8	709.3	709.3	701.8	699.3	667.0	632.1	604.8	607.2	607.2
5°	704.3	699.3	691.9	642.1	579.9	569.9	569.9	564.9	562.4	564.9	564.9
7.5°	614.7	609.7	579.9	555.0	557.5	552.5	542.5	540.0	497.7	455.4	452.9
10°	530.1	522.6	443.0	425.6	423.1	440.5	482.8	467.9	452.9	435.5	443.0
12.5°	443.0	440.5	368.3	408.1	355.9	365.8	375.8	360.9	308.6	248.9	256.3
15°	512.7	505.2	418.1	338.5	303.6	306.1	201.6	194.1	156.8	141.9	134.4
17.5°	380.8	418.1	365.8	338.5	306.1	159.3	129.4	99.5	89.6	72.2	74.7
20°	510.2	500.2	418.1	316.1	236.4	134.4	72.2	57.2	69.7	72.2	72.2
22.5°	360.9	350.9	353.4	336.0	166.7	77.1	54.8	57.2	52.3	49.8	49.8
25°	530.1	512.7	428.1	256.3	124.4	49.8	52.3	39.8	47.3	47.3	47.3
27.5°	644.6	584.8	450.5	248.9	69.7	49.8	37.3	39.8	32.4	32.4	32.4
30°	771.5	736.7	589.8	231.4	54.8	39.8	34.8	27.4	29.9	29.9	29.9
32.5°	828.7	781.4	589.8	184.2	47.3	37.3	27.4	24.9	24.9	27.4	27.4
35°	910.9	861.1	587.3	121.9	39.8	29.9	22.4	22.4	22.4	22.4	22.4
37.5°	1035.3	963.1	597.3	77.1	32.4	24.9	17.4	19.9	19.9	42.3	42.3
40°	1174.7	1092.5	569.9	54.8	27.4	19.9	14.9	24.9	34.8	37.3	37.3
42.5°	1351.4	1261.8	530.1	47.3	24.9	14.9	12.4	19.9	29.9	47.3	47.3
45°	1562.9	1428.5	475.3	42.3	19.9	12.4	12.4	24.9	37.3	44.8	44.8
47.5°	1752.0	1590.3	380.8	39.8	17.4	10.0	17.4	27.4	32.4	52.3	52.3
50°	1973.5	1759.5	291.2	34.8	14.9	10.0	27.4	29.9	37.3	47.3	47.3
52.5°	2137.8	1901.4	221.5	32.4	14.9	7.5	27.4	27.4	42.3	54.8	54.8
55°	2269.7	1978.5	159.3	27.4	12.4	7.5	32.4	34.8	37.3	42.3	42.3
57.5°	2371.7	2033.3	124.4	24.9	12.4	17.4	39.8	44.8	39.8	42.3	42.3
60°	2488.7	2060.6	92.1	22.4	10.0	17.4	47.3	59.7	44.8	64.7	62.2
62.5°	2595.7	2080.5	74.7	22.4	10.0	19.9	52.3	74.7	59.7	87.1	89.6
65°	2730.1	2105.4	62.2	17.4	10.0	27.4	62.2	99.5	79.6	114.5	119.5
67.5°	2819.7	2120.4	52.3	17.4	10.0	32.4	87.1	129.4	99.5	144.3	149.3
70°	2829.6	2065.6	42.3	17.4	10.0	49.8	119.5	156.8	124.4	184.2	186.7
72.5°	2700.2	1908.8	34.8	19.9	10.0	54.8	139.4	181.7	146.8	243.9	246.4
75°	2182.6	1338.9	32.4	19.9	10.0	69.7	151.8	199.1	164.3	253.8	258.8
77.5°	1341.4	619.7	29.9	22.4	14.9	77.1	154.3	211.5	171.7	253.8	261.3
80°	520.1	306.1	27.4	24.9	34.8	87.1	166.7	214.0	171.7	236.4	246.4
82.5°	241.4	179.2	27.4	27.4	44.8	89.6	164.3	199.1	159.3	211.5	209.0
85°	216.5	176.7	29.9	29.9	47.3	77.1	129.4	169.2	136.9	166.7	166.7
87.5°	211.5	174.2	32.4	37.3	47.3	44.8	99.5	144.3	117.0	124.4	124.4
90°	216.5	181.7	34.8	42.3	39.8	24.9	79.6	119.5	89.6	79.6	77.1
92.5°	231.4	184.2	42.3	49.8	37.3	19.9	67.2	97.1	64.7	52.3	49.8
95°	243.9	189.1	52.3	59.7	39.8	17.4	59.7	77.1	47.3	32.4	29.9
97.5°	204.1	146.8	59.7	64.7	39.8	17.4	52.3	62.2	37.3	17.4	17.4
100°	87.1	64.7	62.2	69.7	37.3	14.9	44.8	49.8	24.9	7.5	10.0
102.5°	17.4	19.9	54.8	64.7	29.9	10.0	29.9	29.9	17.4	2.5	5.0
105°	17.4	14.9	34.8	54.8	17.4	5.0	12.4	17.4	7.5	2.5	2.5
107.5°	17.4	17.4	12.4	27.4	7.5	5.0	5.0	7.5	5.0	2.5	2.5
110°	19.9	17.4	5.0	7.5	5.0	5.0	5.0	5.0	2.5	12.4	14.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.9	22.4	5.0	7.5	7.5	5.0	2.5	2.5	5.0	17.4	19.9
115°	22.4	19.9	7.5	7.5	5.0	5.0	2.5	2.5	5.0	19.9	22.4
117.5°	17.4	17.4	7.5	5.0	5.0	5.0	2.5	2.5	5.0	19.9	19.9
120°	19.9	17.4	7.5	5.0	2.5	2.5	2.5	2.5	5.0	14.9	14.9
122.5°	19.9	17.4	7.5	5.0	2.5	2.5	2.5	2.5	5.0	14.9	17.4
125°	17.4	14.9	7.5	5.0	2.5	2.5	2.5	2.5	7.5	14.9	14.9
127.5°	14.9	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.4	12.4
130°	10.0	10.0	5.0	2.5	2.5	2.5	2.5	2.5	7.5	10.0	10.0
132.5°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	10.0
135°	7.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
152.5°	2.5	2.5	5.0	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
155°	7.5	7.5	7.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.5	2.5	2.5	2.5	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)