

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: P559813

Luminaire Tested: **SDL-PA1-100-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559813
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-PA1-100-727-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA 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: 5865.6 lumens
Efficiency: N/A
Efficacy: 62.5 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 - G2

Input Watts (W): 93.8
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

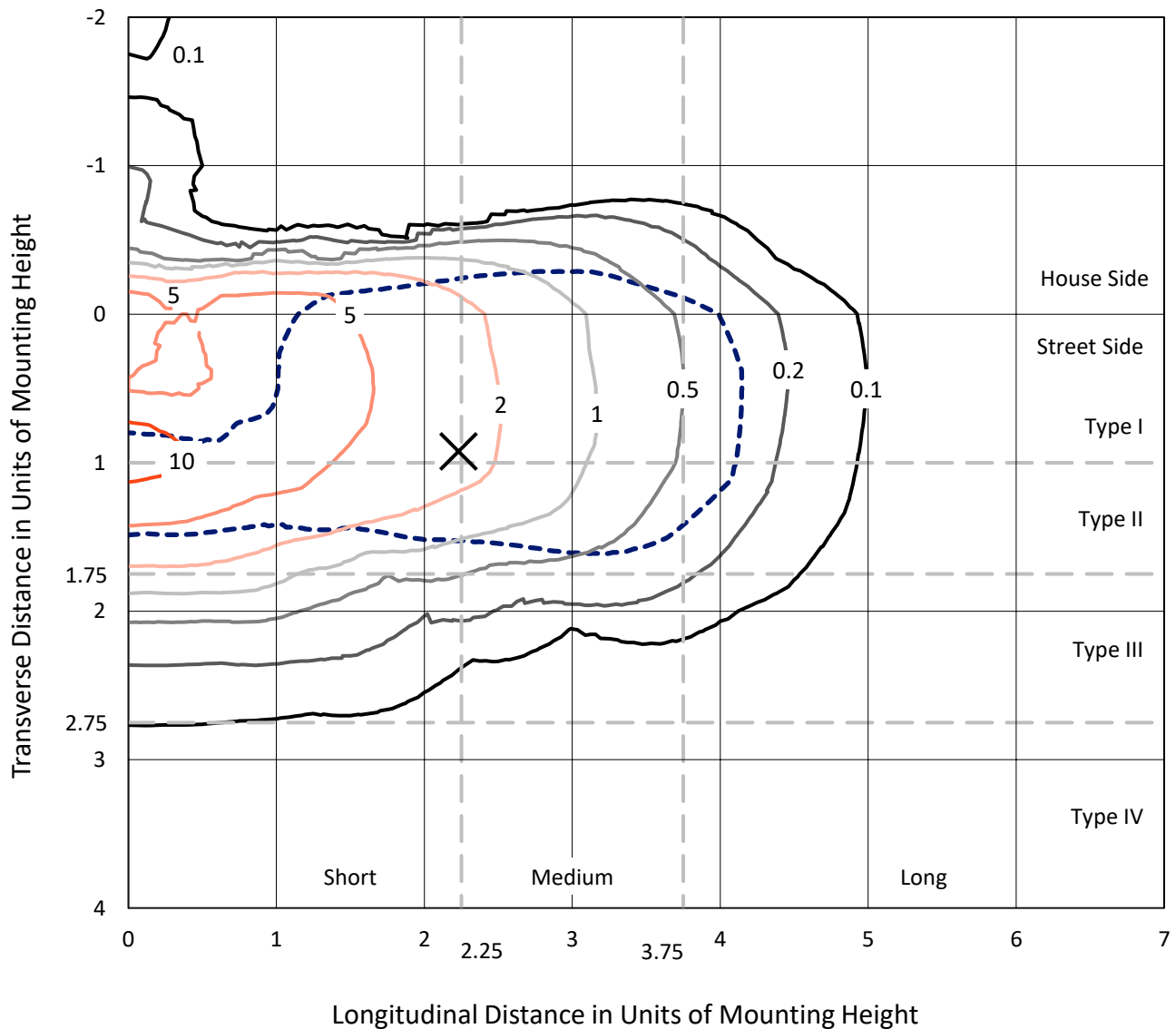


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

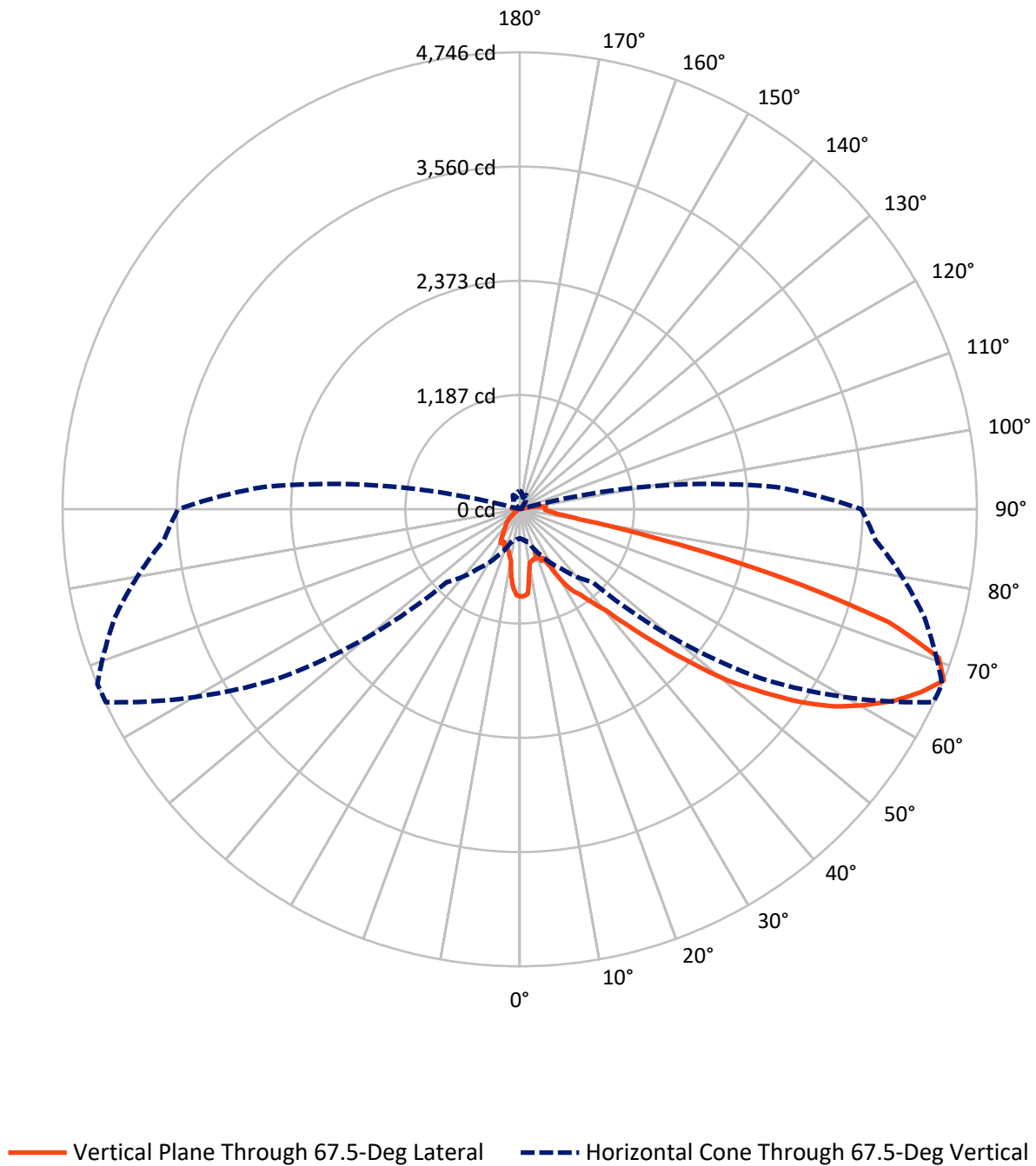


Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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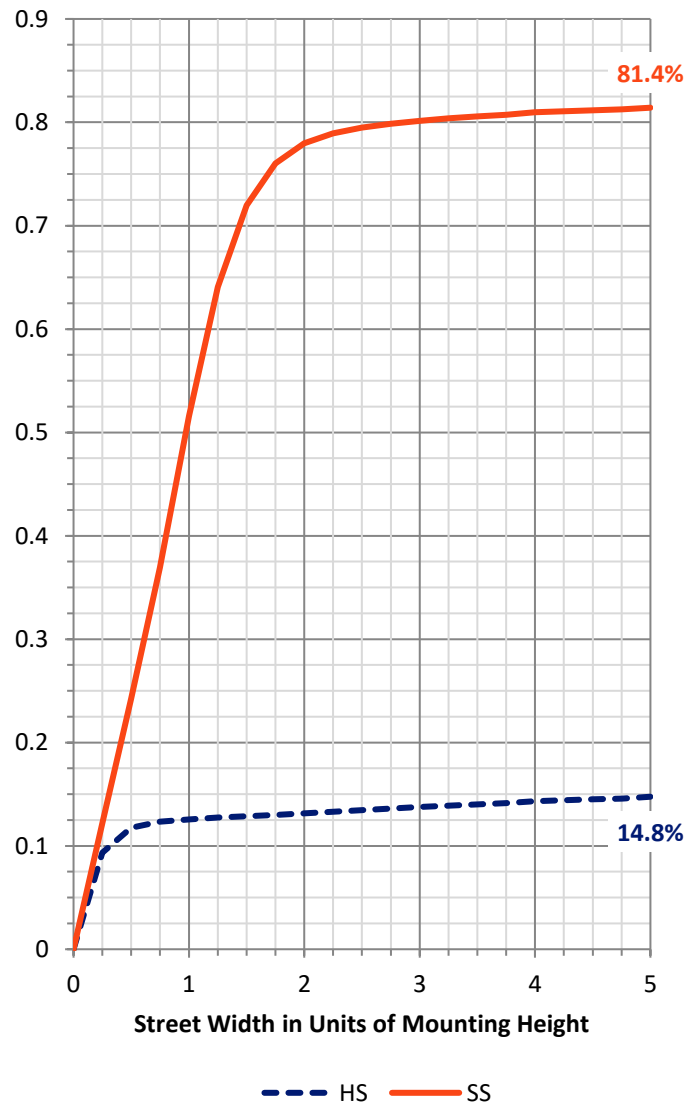
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	917.9	68.4	986.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4806.6	72.7	4879.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	5724.5	141.1	5865.6
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	1.2
10°-20°	132.6	2.3
20°-30°	200.1	3.4
30°-40°	460.7	7.9
40°-50°	1027.0	17.5
50°-60°	1528.1	26.1
60°-70°	1362.9	23.2
70°-80°	765.0	13.0
80°-90°	178.6	3.0
90°-100°	98.1	1.7
100°-110°	22.6	0.4
110°-120°	8.9	0.2
120°-130°	5.9	0.1
130°-140°	3.0	0.1
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5724.5	97.6
0°-180°	5865.6	100.0

Coefficient of Utilization



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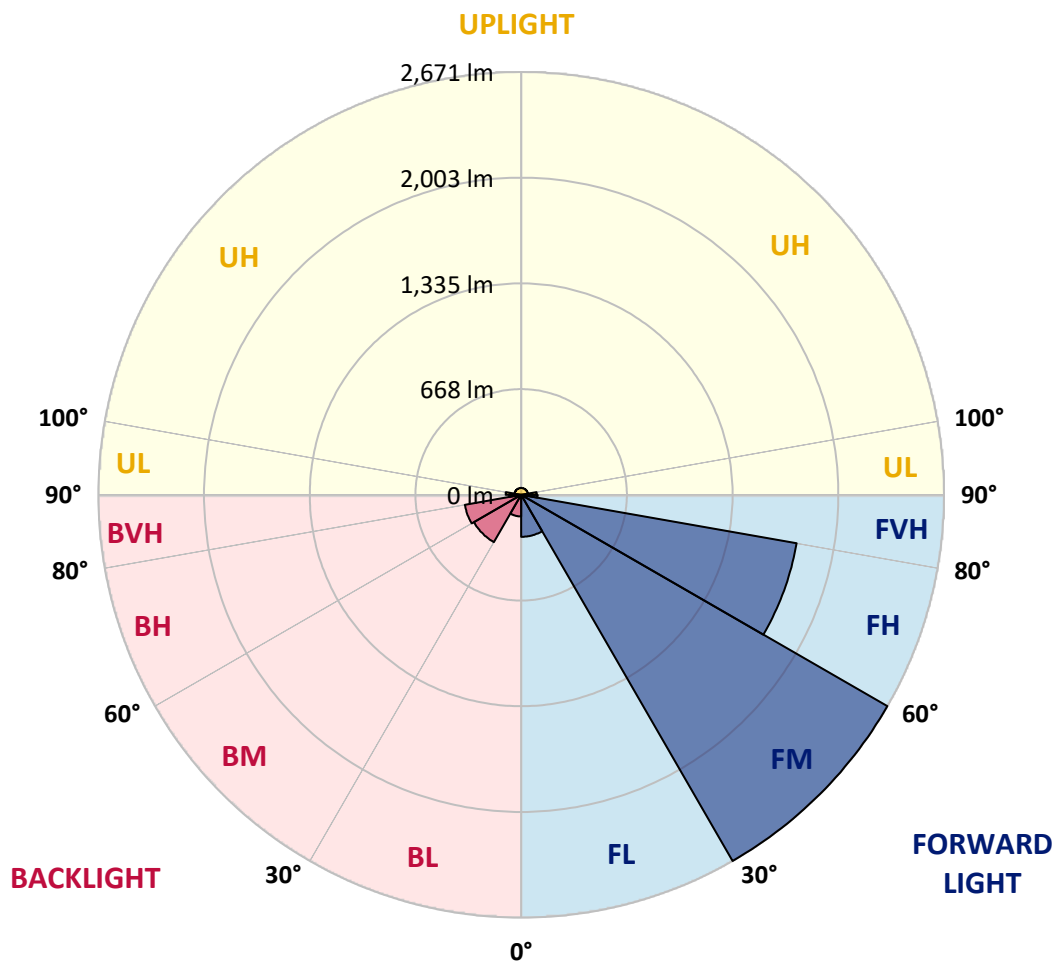
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.3	4.5			
FM	(30°-60°)	2670.8	45.5			
FH	(60°-80°)	1766.8	30.1			G1/1800
FVH	(80°-90°)	103.7	1.8			G2/225
BL	(0°-30°)	136.8	2.3	B1/500		
BM	(30°-60°)	345.0	5.9	B1/1000		
BH	(60°-80°)	361.1	6.2	B1/500		G1/500
BVH	(80°-90°)	74.9	1.3			G1/100
UL	(90°-100°)	98.1	1.7		U3/500	
UH	(100°-180°)	43.0	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8
2.5°	767.1	810.9	857.9	889.2	895.4	904.8	904.8	901.7	901.7	898.6	898.6
5°	745.2	742.0	745.2	751.4	748.3	748.3	748.3	873.5	882.9	889.2	889.2
7.5°	641.8	657.5	707.6	726.4	732.6	738.9	738.9	729.5	695.1	770.2	779.6
10°	698.2	695.1	695.1	701.3	654.4	635.6	573.0	563.6	563.6	588.6	670.0
12.5°	585.5	619.9	666.9	685.7	632.4	560.4	544.8	557.3	554.2	485.3	566.7
15°	663.7	663.7	657.5	645.0	497.8	557.3	469.6	469.6	535.4	576.1	648.1
17.5°	538.5	554.2	632.4	623.0	547.9	419.5	547.9	504.1	541.6	507.2	544.8
20°	660.6	657.5	660.6	504.1	557.3	576.1	547.9	491.5	447.7	588.6	651.2
22.5°	544.8	538.5	569.8	623.0	526.0	598.0	500.9	598.0	582.3	522.9	469.6
25°	704.4	701.3	707.6	551.0	616.8	535.4	616.8	535.4	560.4	670.0	685.7
27.5°	635.6	632.4	623.0	673.1	585.5	676.3	582.3	654.4	673.1	726.4	842.2
30°	895.4	882.9	851.6	676.3	688.8	651.2	688.8	804.6	867.3	973.7	1008.1
32.5°	1305.6	1239.8	1033.2	895.4	729.5	832.8	779.6	945.5	1005.0	1058.2	1086.4
35°	1687.5	1659.4	1509.1	1183.5	889.2	920.5	879.8	1058.2	1092.7	1205.4	1199.1
37.5°	2210.4	2163.4	1931.8	1527.9	1117.7	1105.2	1001.9	1205.4	1230.4	1393.2	1361.9
40°	2601.8	2564.2	2382.6	1897.3	1421.4	1311.8	1171.0	1408.9	1380.7	1599.9	1556.1
42.5°	2977.5	2955.6	2814.7	2320.0	1756.4	1631.2	1346.3	1659.4	1653.1	1844.1	1806.5
45°	3281.2	3256.1	3165.3	2698.8	2141.5	2144.7	1621.8	1934.9	1978.7	2160.3	2063.3
47.5°	3459.6	3406.4	3340.7	2999.4	2529.8	2636.2	2028.8	2248.0	2354.4	2511.0	2363.8
50°	3418.9	3365.7	3372.0	3190.4	2886.7	3058.9	2464.0	2579.9	2792.8	2914.9	2623.7
52.5°	3093.3	3062.0	3165.3	3155.9	3068.3	3447.1	2971.2	2939.9	3149.7	3231.1	2889.8
55°	2629.9	2586.1	2780.2	2918.0	3068.3	3688.2	3440.8	3340.7	3531.6	3519.1	3071.4
57.5°	1997.5	2013.2	2232.3	2448.4	2817.8	3735.1	3788.4	3775.8	3863.5	3757.1	3215.4
60°	1365.1	1374.5	1684.4	1928.6	2310.6	3487.8	3901.1	4135.9	4126.5	3957.4	3378.2
62.5°	857.9	854.7	1089.5	1474.6	1662.5	2839.7	3857.3	4408.3	4373.8	4107.7	3503.5
65°	494.7	507.2	591.7	976.8	1155.3	1938.0	3603.7	4674.4	4577.4	4242.4	3638.1
67.5°	303.7	313.1	353.8	529.1	754.5	1070.8	3065.1	4740.2	4746.4	4351.9	3710.1
70°	256.7	259.9	278.6	325.6	526.0	601.1	2063.3	4433.3	4614.9	4377.0	3688.2
72.5°	216.0	219.2	247.3	284.9	391.4	425.8	926.7	3663.1	4007.5	4186.0	3528.5
75°	159.7	162.8	203.5	259.9	284.9	341.3	507.2	2426.4	2752.0	3309.3	3008.8
77.5°	103.3	106.5	144.0	209.8	241.1	269.3	410.1	1133.4	1433.9	1913.0	1900.4
80°	68.9	68.9	84.5	147.2	191.0	219.2	356.9	560.4	638.7	789.0	738.9
82.5°	43.8	43.8	53.2	90.8	122.1	219.2	335.0	400.8	388.2	394.5	350.7
85°	18.8	18.8	28.2	50.1	65.7	144.0	300.6	344.4	328.7	328.7	313.1
87.5°	6.3	6.3	9.4	15.7	21.9	43.8	231.7	275.5	266.1	275.5	297.4
90°	6.3	6.3	3.1	6.3	6.3	31.3	187.9	272.4	266.1	278.6	306.8
92.5°	9.4	9.4	3.1	3.1	6.3	25.0	147.2	281.8	272.4	291.2	319.4
95°	15.7	15.7	6.3	3.1	9.4	21.9	90.8	250.5	272.4	288.0	325.6
97.5°	18.8	18.8	6.3	6.3	9.4	18.8	47.0	203.5	209.8	219.2	256.7
100°	25.0	25.0	6.3	6.3	6.3	15.7	25.0	106.5	109.6	78.3	125.2
102.5°	25.0	25.0	6.3	6.3	6.3	9.4	12.5	47.0	43.8	15.7	15.7
105°	28.2	28.2	9.4	6.3	6.3	6.3	6.3	15.7	15.7	9.4	18.8
107.5°	28.2	28.2	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	18.8
110°	21.9	21.9	9.4	9.4	6.3	3.1	3.1	3.1	6.3	9.4	21.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	15.7	15.7	6.3	9.4	6.3	3.1	3.1	3.1	6.3	12.5	31.3
115°	6.3	6.3	3.1	6.3	3.1	3.1	3.1	6.3	6.3	9.4	25.0
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	3.1	9.4	21.9
120°	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	12.5	21.9
122.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	12.5	21.9
125°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	9.4	18.8
127.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.3	18.8
130°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.3	12.5
132.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.3	9.4
135°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.3
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	6.3	6.3	3.1	0.0	6.3	3.1	3.1	3.1	3.1
152.5°	6.3	6.3	6.3	6.3	3.1	0.0	3.1	6.3	3.1	3.1	3.1
155°	6.3	6.3	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.3	9.4
157.5°	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1	0.0	0.0	3.1
160°	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1	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°	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8
2.5°	895.4	895.4	892.3	892.3	882.9	879.8	839.1	795.2	760.8	763.9	763.9
5°	886.0	879.8	870.4	807.8	729.5	717.0	717.0	710.7	707.6	710.7	710.7
7.5°	773.3	767.1	729.5	698.2	701.3	695.1	682.5	679.4	626.2	573.0	569.8
10°	666.9	657.5	557.3	535.4	532.3	554.2	607.4	588.6	569.8	547.9	557.3
12.5°	557.3	554.2	463.4	513.5	447.7	460.2	472.8	454.0	388.2	313.1	322.5
15°	645.0	635.6	526.0	425.8	382.0	385.1	253.6	244.2	197.2	178.5	169.1
17.5°	479.0	526.0	460.2	425.8	385.1	200.4	162.8	125.2	112.7	90.8	93.9
20°	641.8	629.3	526.0	397.6	297.4	169.1	90.8	72.0	87.7	90.8	90.8
22.5°	454.0	441.5	444.6	422.7	209.8	97.1	68.9	72.0	65.7	62.6	62.6
25°	666.9	645.0	538.5	322.5	156.5	62.6	65.7	50.1	59.5	59.5	59.5
27.5°	810.9	735.8	566.7	313.1	87.7	62.6	47.0	50.1	40.7	40.7	40.7
30°	970.6	926.7	742.0	291.2	68.9	50.1	43.8	34.4	37.6	37.6	37.6
32.5°	1042.6	983.1	742.0	231.7	59.5	47.0	34.4	31.3	31.3	34.4	34.4
35°	1145.9	1083.3	738.9	153.4	50.1	37.6	28.2	28.2	28.2	28.2	28.2
37.5°	1302.4	1211.7	751.4	97.1	40.7	31.3	21.9	25.0	25.0	53.2	53.2
40°	1477.8	1374.5	717.0	68.9	34.4	25.0	18.8	31.3	43.8	47.0	47.0
42.5°	1700.1	1587.4	666.9	59.5	31.3	18.8	15.7	25.0	37.6	59.5	59.5
45°	1966.2	1797.1	598.0	53.2	25.0	15.7	15.7	31.3	47.0	56.4	56.4
47.5°	2204.1	2000.6	479.0	50.1	21.9	12.5	21.9	34.4	40.7	65.7	65.7
50°	2482.8	2213.5	366.3	43.8	18.8	12.5	34.4	37.6	47.0	59.5	59.5
52.5°	2689.4	2392.0	278.6	40.7	18.8	9.4	34.4	34.4	53.2	68.9	68.9
55°	2855.4	2489.1	200.4	34.4	15.7	9.4	40.7	43.8	47.0	53.2	53.2
57.5°	2983.7	2557.9	156.5	31.3	15.7	21.9	50.1	56.4	50.1	53.2	53.2
60°	3130.9	2592.4	115.8	28.2	12.5	21.9	59.5	75.1	56.4	81.4	78.3
62.5°	3265.5	2617.4	93.9	28.2	12.5	25.0	65.7	93.9	75.1	109.6	112.7
65°	3434.6	2648.7	78.3	21.9	12.5	34.4	78.3	125.2	100.2	144.0	150.3
67.5°	3547.3	2667.5	65.7	21.9	12.5	40.7	109.6	162.8	125.2	181.6	187.9
70°	3559.8	2598.6	53.2	21.9	12.5	62.6	150.3	197.2	156.5	231.7	234.8
72.5°	3397.0	2401.4	43.8	25.0	12.5	68.9	175.3	228.6	184.7	306.8	310.0
75°	2745.8	1684.4	40.7	25.0	12.5	87.7	191.0	250.5	206.6	319.4	325.6
77.5°	1687.5	779.6	37.6	28.2	18.8	97.1	194.1	266.1	216.0	319.4	328.7
80°	654.4	385.1	34.4	31.3	43.8	109.6	209.8	269.3	216.0	297.4	310.0
82.5°	303.7	225.4	34.4	34.4	56.4	112.7	206.6	250.5	200.4	266.1	263.0
85°	272.4	222.3	37.6	37.6	59.5	97.1	162.8	212.9	172.2	209.8	209.8
87.5°	266.1	219.2	40.7	47.0	59.5	56.4	125.2	181.6	147.2	156.5	156.5
90°	272.4	228.6	43.8	53.2	50.1	31.3	100.2	150.3	112.7	100.2	97.1
92.5°	291.2	231.7	53.2	62.6	47.0	25.0	84.5	122.1	81.4	65.7	62.6
95°	306.8	237.9	65.7	75.1	50.1	21.9	75.1	97.1	59.5	40.7	37.6
97.5°	256.7	184.7	75.1	81.4	50.1	21.9	65.7	78.3	47.0	21.9	21.9
100°	109.6	81.4	78.3	87.7	47.0	18.8	56.4	62.6	31.3	9.4	12.5
102.5°	21.9	25.0	68.9	81.4	37.6	12.5	37.6	37.6	21.9	3.1	6.3
105°	21.9	18.8	43.8	68.9	21.9	6.3	15.7	21.9	9.4	3.1	3.1
107.5°	21.9	21.9	15.7	34.4	9.4	6.3	6.3	9.4	6.3	3.1	3.1
110°	25.0	21.9	6.3	9.4	6.3	6.3	6.3	6.3	3.1	15.7	18.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.3	28.2	6.3	9.4	9.4	6.3	3.1	3.1	6.3	21.9	25.0
115°	28.2	25.0	9.4	9.4	6.3	6.3	3.1	3.1	6.3	25.0	28.2
117.5°	21.9	21.9	9.4	6.3	6.3	6.3	3.1	3.1	6.3	25.0	25.0
120°	25.0	21.9	9.4	6.3	3.1	3.1	3.1	3.1	6.3	18.8	18.8
122.5°	25.0	21.9	9.4	6.3	3.1	3.1	3.1	3.1	6.3	18.8	21.9
125°	21.9	18.8	9.4	6.3	3.1	3.1	3.1	3.1	9.4	18.8	18.8
127.5°	18.8	15.7	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	15.7
130°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	3.1	9.4	12.5	12.5
132.5°	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1	6.3	12.5	12.5
135°	9.4	6.3	6.3	3.1	3.1	3.1	3.1	3.1	6.3	9.4	9.4
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3
140°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
152.5°	3.1	3.1	6.3	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
155°	9.4	9.4	9.4	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	3.1	3.1	3.1	3.1	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)