

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: P561327

Luminaire Tested: **SDL-PA1-90-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561327
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-PA1-90-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA 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: 5714.6 lumens
Efficiency: N/A
Efficacy: 61.8 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: B1 - U3 - G2

Input Watts (W): 92.4
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

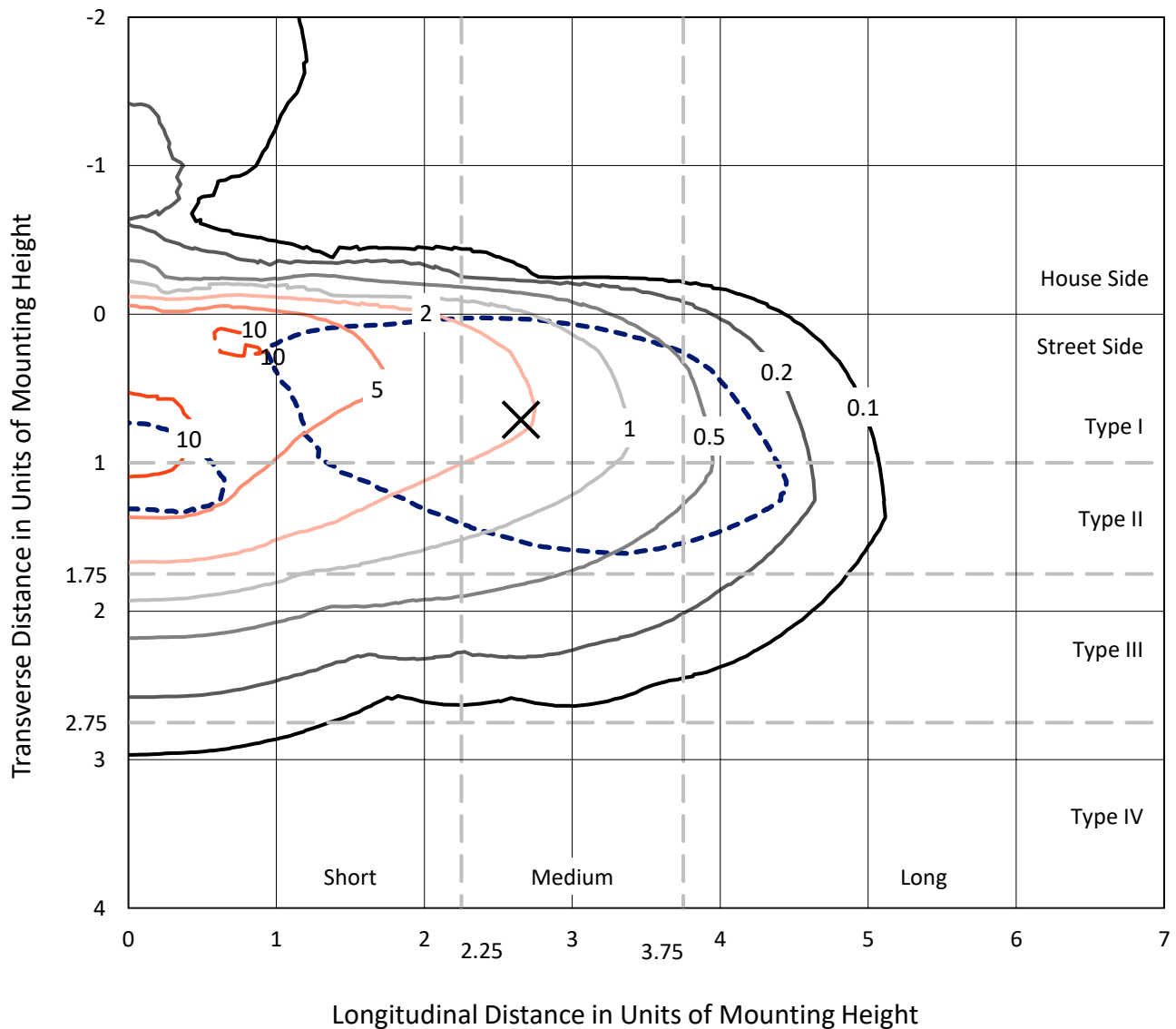


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

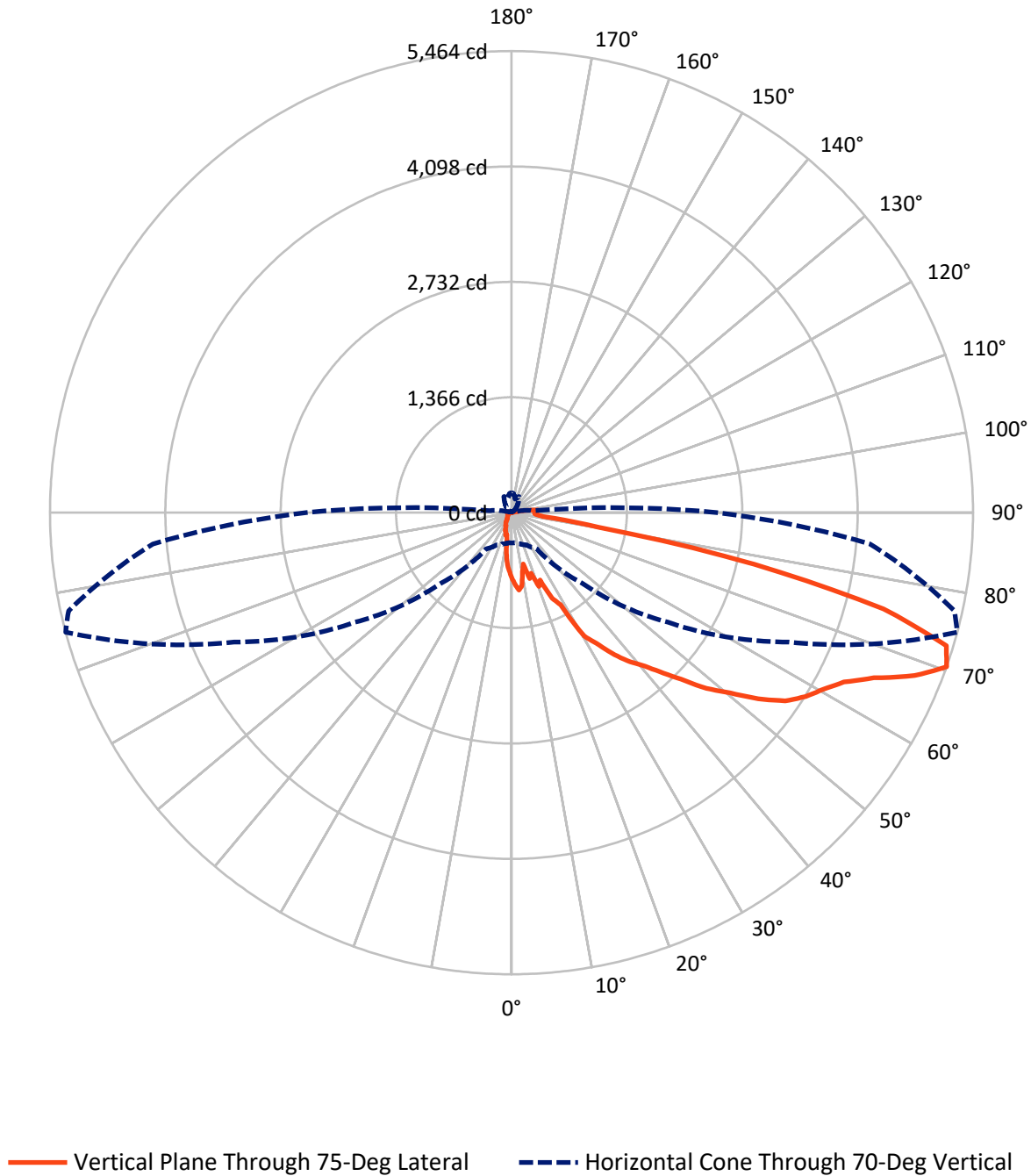


Based on 10 foot mounting height. Maximum calculated value = 14.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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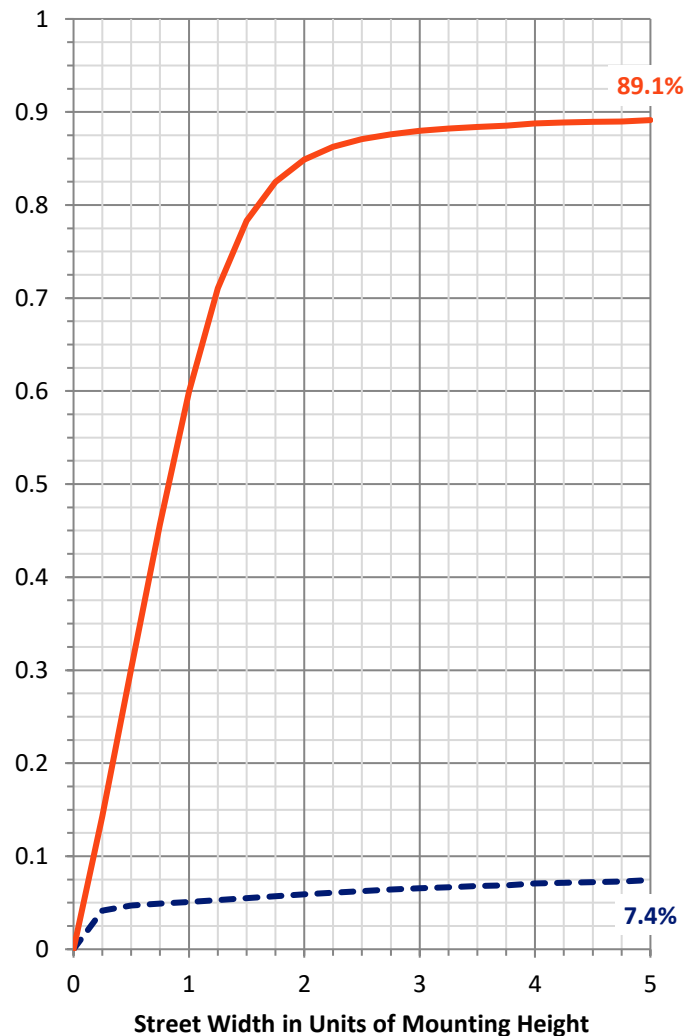
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	465.6	57.9	523.5
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5118.3	72.8	5191.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	5583.9	130.7	5714.6
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.1
10°-20°	150.7	2.6
20°-30°	282.8	4.9
30°-40°	634.6	11.1
40°-50°	1044.5	18.3
50°-60°	1280.3	22.4
60°-70°	1199.1	21.0
70°-80°	780.9	13.7
80°-90°	149.2	2.6
90°-100°	85.6	1.5
100°-110°	19.2	0.3
110°-120°	9.8	0.2
120°-130°	8.2	0.1
130°-140°	4.0	0.1
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5583.9	97.7
0°-180°	5714.6	100.0

Coefficient of Utilization



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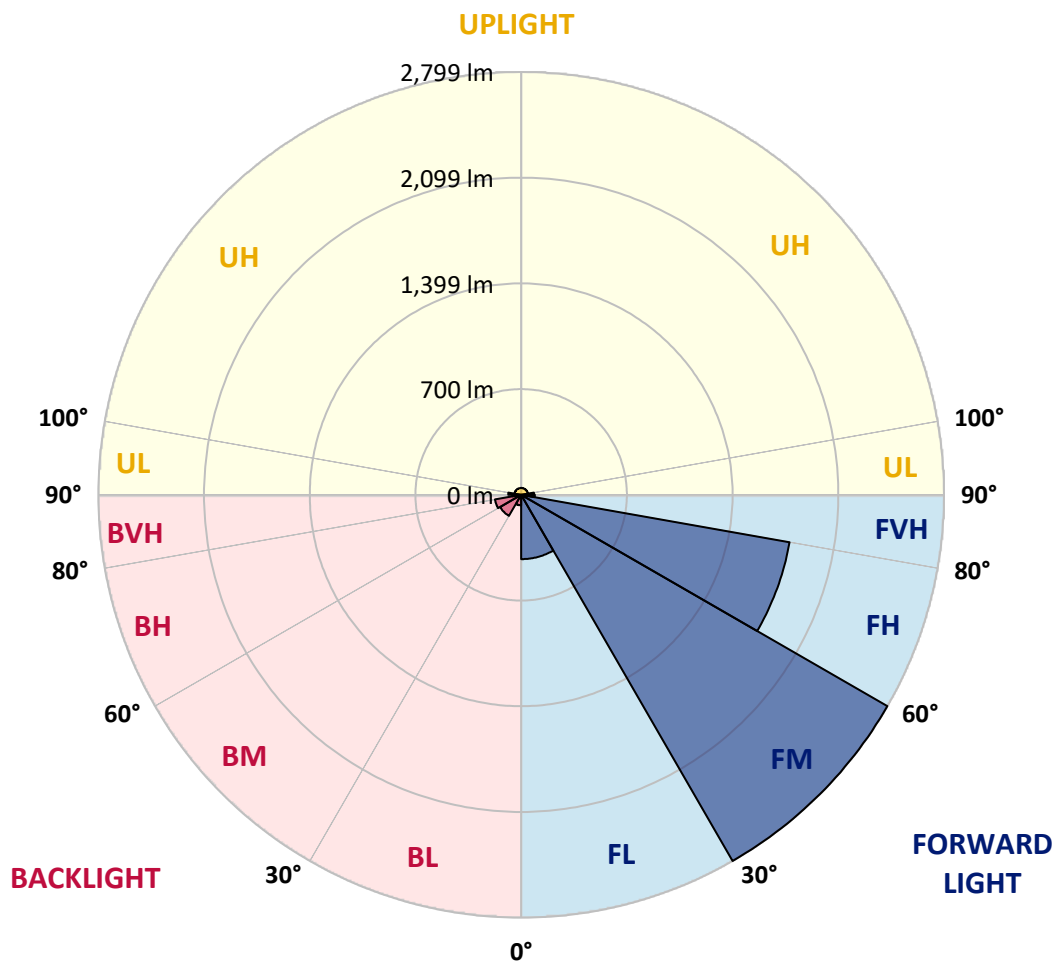
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	425.7	7.4			
FM	(30°-60°)	2798.5	49.0			
FH	(60°-80°)	1803.7	31.6			G2/5000
FVH	(80°-90°)	90.3	1.6			G1/100
BL	(0°-30°)	69.5	1.2	B0/110		
BM	(30°-60°)	160.9	2.8	B0/220		
BH	(60°-80°)	176.3	3.1	B1/500		G1/500
BVH	(80°-90°)	58.9	1.0			G1/100
UL	(90°-100°)	85.6	1.5		U3/500	
UH	(100°-180°)	45.1	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4
2.5°	867.5	922.0	938.4	965.7	979.3	962.9	932.9	894.7	853.8	842.9	807.4
5°	984.7	973.8	965.7	965.7	949.3	913.8	881.1	982.0	919.3	905.6	834.7
7.5°	894.7	979.3	1042.0	1047.5	1039.3	1012.0	965.7	862.0	875.6	859.3	772.0
10°	1082.9	1085.7	1074.8	1082.9	1006.6	968.4	818.3	755.6	706.5	772.0	692.9
12.5°	897.5	1031.1	1107.5	1134.8	1039.3	913.8	837.4	804.7	624.7	608.3	627.4
15°	1096.6	1102.0	1110.2	1082.9	842.9	957.5	777.4	717.4	810.2	788.3	774.7
17.5°	867.5	878.4	1063.9	1052.9	976.6	758.3	924.7	823.8	752.9	725.6	706.5
20°	1104.8	1107.5	1104.8	837.4	911.1	1020.2	870.2	842.9	932.9	922.0	872.9
22.5°	927.5	927.5	990.2	1074.8	957.5	1022.9	886.5	1050.2	867.5	862.0	649.2
25°	1282.1	1282.1	1238.4	949.3	1085.7	962.9	1052.9	943.8	1121.1	1082.9	973.8
27.5°	1246.6	1208.4	1140.2	1197.5	1050.2	1205.7	1020.2	1151.1	1235.7	1271.2	1213.9
30°	1732.2	1732.2	1658.5	1282.1	1230.3	1164.8	1178.4	1377.6	1694.0	1699.4	1467.6
32.5°	2345.9	2302.3	1912.2	1653.1	1344.8	1462.1	1331.2	1620.3	1841.3	1833.1	1560.3
35°	2596.9	2583.3	2463.2	2029.5	1557.6	1601.2	1500.3	1713.1	2040.4	1985.9	1672.2
37.5°	2853.3	2831.5	2708.7	2242.3	1781.3	1838.6	1625.8	1849.5	2223.2	2144.1	1794.9
40°	3011.5	3014.3	2927.0	2411.4	1958.6	1988.6	1775.8	2015.9	2370.5	2386.9	1901.3
42.5°	3177.9	3175.2	3104.3	2610.5	2105.9	2144.1	1895.8	2174.1	2569.6	2588.7	2081.3
45°	3267.9	3262.5	3221.6	2746.9	2223.2	2250.5	2081.3	2367.8	2812.4	2806.9	2228.6
47.5°	3289.8	3297.9	3295.2	2880.6	2345.9	2356.8	2247.7	2509.6	3107.0	3047.0	2422.3
50°	3167.0	3172.5	3210.7	2987.0	2436.0	2446.9	2378.7	2670.5	3355.2	3284.3	2596.9
52.5°	2826.0	2858.8	3019.7	2921.5	2474.1	2515.1	2501.4	2793.3	3658.0	3570.7	2812.4
55°	2100.4	2176.8	2545.1	2676.0	2455.0	2517.8	2610.5	3017.0	3933.5	3827.1	2987.0
57.5°	1674.9	1688.5	1906.8	2266.8	2299.6	2504.1	2725.1	3153.4	4105.4	3999.0	3112.5
60°	1323.0	1344.8	1486.7	1775.8	2007.7	2422.3	2757.8	3292.5	4241.8	4151.8	3251.6
62.5°	1025.7	1022.9	1132.0	1325.7	1617.6	2250.5	2714.2	3377.1	4416.4	4348.2	3499.8
65°	714.7	714.7	807.4	962.9	1224.8	1942.2	2626.9	3497.1	4713.7	4694.6	3808.1
67.5°	488.3	499.2	561.9	638.3	840.2	1579.4	2496.0	3619.8	5147.4	5057.4	4105.4
70°	357.3	357.3	381.9	422.8	523.7	1178.4	2261.4	3622.6	5463.8	5371.1	4260.9
72.5°	264.6	264.6	283.7	302.8	330.1	782.9	1854.9	3393.4	5382.0	5234.7	3944.4
75°	139.1	139.1	215.5	223.7	221.0	507.4	1369.4	2787.8	4550.0	4304.5	3087.9
77.5°	109.1	111.8	122.8	174.6	160.9	332.8	763.8	1715.8	2940.6	2640.5	1672.2
80°	79.1	76.4	95.5	111.8	95.5	193.7	360.1	752.9	1042.0	902.9	551.0
82.5°	46.4	49.1	57.3	81.8	81.8	136.4	234.6	330.1	373.7	371.0	330.1
85°	5.5	8.2	30.0	54.6	49.1	79.1	196.4	229.1	294.6	300.1	294.6
87.5°	5.5	5.5	8.2	10.9	13.6	51.8	166.4	199.1	272.8	291.9	294.6
90°	10.9	8.2	5.5	5.5	8.2	40.9	155.5	204.6	289.2	294.6	308.2
92.5°	13.6	10.9	5.5	2.7	8.2	32.7	147.3	204.6	300.1	319.2	332.8
95°	19.1	16.4	5.5	2.7	8.2	27.3	125.5	193.7	313.7	346.4	360.1
97.5°	24.6	21.8	5.5	5.5	8.2	21.8	98.2	152.8	207.3	234.6	253.7
100°	27.3	27.3	5.5	5.5	8.2	13.6	49.1	84.6	65.5	62.7	70.9
102.5°	30.0	30.0	5.5	5.5	5.5	8.2	16.4	35.5	13.6	13.6	21.8
105°	30.0	30.0	5.5	5.5	5.5	5.5	5.5	13.6	10.9	13.6	24.6
107.5°	27.3	30.0	5.5	8.2	8.2	5.5	5.5	5.5	10.9	16.4	24.6
110°	24.6	24.6	5.5	8.2	8.2	5.5	2.7	5.5	10.9	16.4	27.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	19.1	13.6	2.7	8.2	5.5	5.5	2.7	5.5	13.6	19.1	27.3
115°	8.2	5.5	2.7	5.5	5.5	5.5	2.7	5.5	13.6	21.8	27.3
117.5°	5.5	2.7	2.7	2.7	2.7	5.5	2.7	8.2	19.1	24.6	32.7
120°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2	24.6	27.3	38.2
122.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	24.6	27.3	38.2
125°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	19.1	24.6	32.7
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	13.6	19.1	27.3
130°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	13.6	16.4	21.8
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2	10.9	16.4
135°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5	10.9
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7
150°	5.5	8.2	13.6	10.9	5.5	2.7	5.5	2.7	2.7	2.7	2.7
152.5°	13.6	13.6	10.9	10.9	2.7	2.7	5.5	5.5	2.7	2.7	2.7
155°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	5.5	8.2	10.9	8.2
157.5°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4
2.5°	780.2	752.9	692.9	646.5	597.4	570.1	518.3	474.6	441.9	436.5	436.5
5°	780.2	725.6	619.2	504.6	398.3	343.7	313.7	294.6	281.0	275.5	272.8
7.5°	698.3	627.4	485.6	351.9	305.5	256.4	221.0	193.7	169.1	160.9	152.8
10°	611.0	523.7	330.1	242.8	193.7	160.9	144.6	136.4	128.2	125.5	125.5
12.5°	542.8	452.8	264.6	199.1	136.4	114.6	109.1	103.7	100.9	98.2	95.5
15°	662.9	542.8	275.5	136.4	95.5	81.8	76.4	79.1	84.6	84.6	84.6
17.5°	613.8	477.4	229.1	103.7	79.1	60.0	65.5	70.9	76.4	68.2	65.5
20°	733.8	561.9	223.7	81.8	65.5	60.0	57.3	49.1	62.7	62.7	62.7
22.5°	531.9	425.5	169.1	76.4	54.6	51.8	43.6	49.1	51.8	43.6	43.6
25°	788.3	553.7	166.4	60.0	54.6	40.9	43.6	35.5	43.6	43.6	43.6
27.5°	976.6	654.7	147.3	62.7	46.4	40.9	32.7	35.5	32.7	32.7	32.7
30°	1162.1	736.5	133.7	62.7	43.6	32.7	30.0	27.3	32.7	32.7	32.7
32.5°	1216.6	717.4	106.4	65.5	40.9	30.0	24.6	27.3	27.3	30.0	30.0
35°	1279.4	701.1	90.0	57.3	38.2	27.3	21.8	24.6	27.3	30.0	30.0
37.5°	1339.4	673.8	81.8	51.8	32.7	24.6	19.1	21.8	57.3	62.7	62.7
40°	1415.7	641.0	76.4	46.4	27.3	19.1	16.4	43.6	51.8	60.0	60.0
42.5°	1524.9	621.9	70.9	43.6	24.6	16.4	16.4	38.2	73.7	81.8	81.8
45°	1614.9	589.2	68.2	38.2	21.8	13.6	27.3	51.8	60.0	76.4	73.7
47.5°	1726.7	559.2	65.5	35.5	19.1	13.6	30.0	54.6	76.4	87.3	87.3
50°	1846.7	542.8	62.7	32.7	19.1	13.6	51.8	51.8	62.7	98.2	98.2
52.5°	1999.5	531.9	57.3	27.3	16.4	27.3	70.9	62.7	76.4	100.9	100.9
55°	2073.2	496.5	54.6	24.6	13.6	27.3	76.4	70.9	79.1	106.4	106.4
57.5°	2138.6	461.0	49.1	24.6	13.6	35.5	81.8	90.0	76.4	92.7	103.7
60°	2198.6	425.5	43.6	21.8	13.6	43.6	90.0	125.5	106.4	125.5	125.5
62.5°	2337.8	398.3	38.2	24.6	10.9	49.1	117.3	152.8	120.0	152.8	150.0
65°	2468.7	365.5	35.5	21.8	13.6	57.3	128.2	177.3	130.9	177.3	177.3
67.5°	2520.5	324.6	32.7	21.8	13.6	65.5	128.2	196.4	155.5	199.1	201.9
70°	2430.5	267.3	30.0	24.6	16.4	73.7	133.7	210.0	166.4	231.9	231.9
72.5°	2065.0	182.8	30.0	27.3	32.7	81.8	158.2	218.2	174.6	278.2	281.0
75°	1541.2	103.7	32.7	30.0	35.5	92.7	174.6	226.4	182.8	281.0	281.0
77.5°	878.4	70.9	32.7	35.5	43.6	92.7	182.8	234.6	180.0	275.5	270.1
80°	305.5	51.8	32.7	40.9	54.6	92.7	185.5	231.9	174.6	256.4	256.4
82.5°	207.3	43.6	32.7	40.9	65.5	98.2	182.8	218.2	155.5	215.5	207.3
85°	193.7	35.5	35.5	43.6	70.9	98.2	166.4	188.2	130.9	160.9	158.2
87.5°	190.9	32.7	40.9	46.4	76.4	90.0	141.8	155.5	106.4	130.9	128.2
90°	199.1	32.7	43.6	49.1	70.9	73.7	114.6	130.9	87.3	103.7	100.9
92.5°	212.8	32.7	46.4	54.6	62.7	54.6	92.7	103.7	73.7	79.1	76.4
95°	226.4	32.7	51.8	57.3	51.8	40.9	70.9	84.6	60.0	57.3	57.3
97.5°	150.0	24.6	54.6	57.3	43.6	30.0	54.6	65.5	35.5	30.0	30.0
100°	49.1	19.1	57.3	60.0	40.9	21.8	46.4	49.1	27.3	13.6	13.6
102.5°	21.8	19.1	51.8	51.8	35.5	16.4	32.7	35.5	19.1	5.5	5.5
105°	19.1	10.9	30.0	38.2	24.6	8.2	16.4	19.1	10.9	5.5	5.5
107.5°	21.8	10.9	16.4	21.8	10.9	8.2	8.2	8.2	5.5	5.5	5.5
110°	21.8	10.9	8.2	13.6	10.9	8.2	5.5	5.5	5.5	8.2	8.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.6	10.9	8.2	10.9	8.2	8.2	5.5	5.5	10.9	19.1	19.1
115°	24.6	10.9	8.2	10.9	8.2	8.2	5.5	2.7	10.9	27.3	30.0
117.5°	27.3	13.6	5.5	8.2	5.5	5.5	5.5	2.7	13.6	35.5	35.5
120°	32.7	13.6	5.5	5.5	5.5	2.7	5.5	5.5	13.6	38.2	38.2
122.5°	32.7	16.4	5.5	5.5	5.5	2.7	2.7	5.5	16.4	35.5	38.2
125°	27.3	13.6	5.5	5.5	5.5	2.7	2.7	5.5	16.4	32.7	38.2
127.5°	21.8	13.6	5.5	5.5	5.5	2.7	2.7	5.5	16.4	27.3	30.0
130°	19.1	10.9	5.5	5.5	5.5	2.7	2.7	5.5	13.6	21.8	24.6
132.5°	13.6	8.2	5.5	5.5	5.5	2.7	2.7	2.7	13.6	21.8	21.8
135°	10.9	8.2	5.5	5.5	5.5	2.7	2.7	2.7	10.9	16.4	16.4
137.5°	5.5	2.7	5.5	5.5	5.5	2.7	2.7	2.7	8.2	8.2	8.2
140°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	5.5	2.7
142.5°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
155°	5.5	5.5	2.7	5.5	2.7	2.7	0.0	2.7	2.7	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
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)