

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: P561001

Luminaire Tested: **SDL-PA1-70-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561001  
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-PA1-70-830-U-T2U-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 930mA 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: 4590.8 lumens  
Efficiency: N/A  
Efficacy: 63.6 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

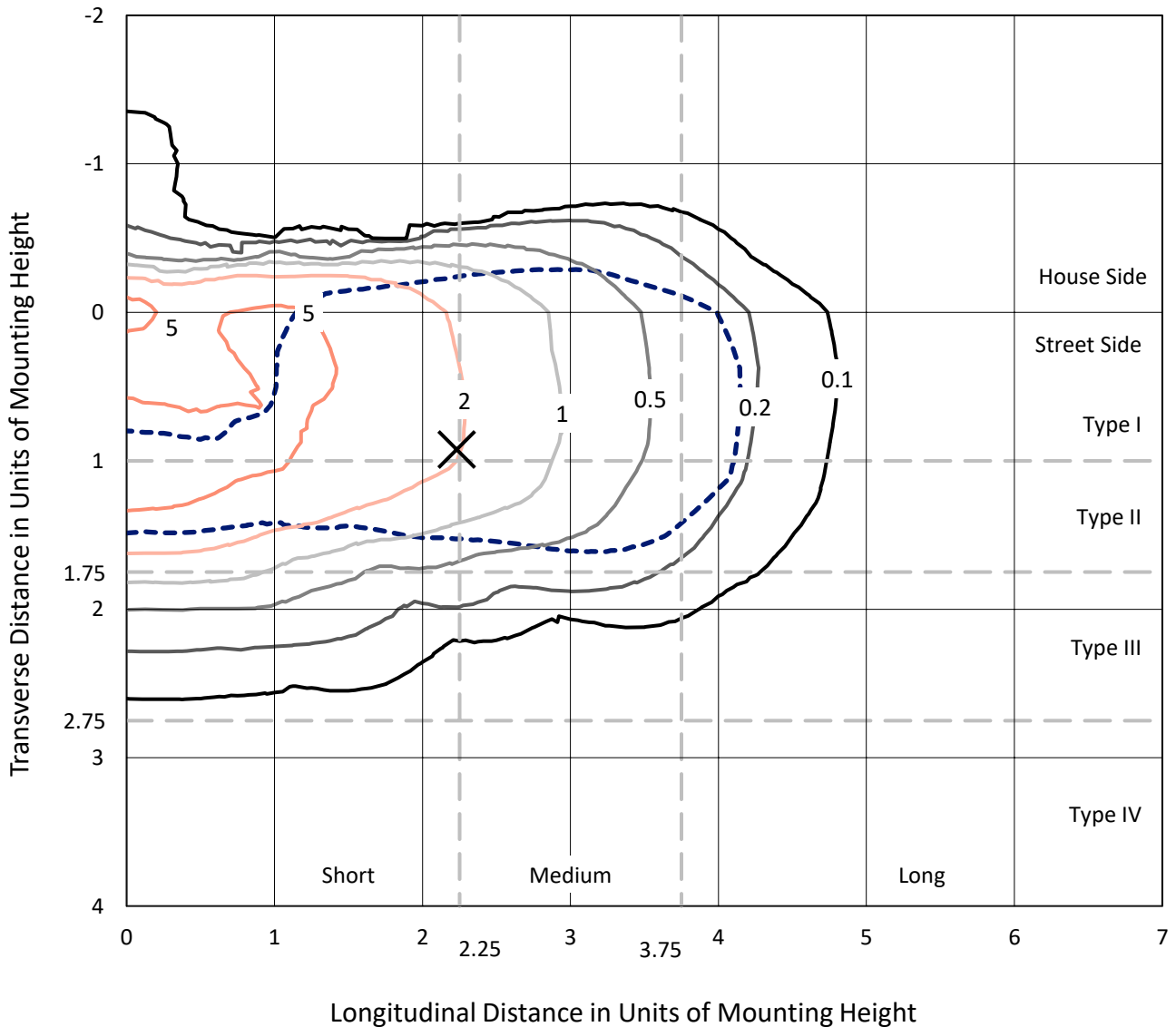
Input Watts (W): 72.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

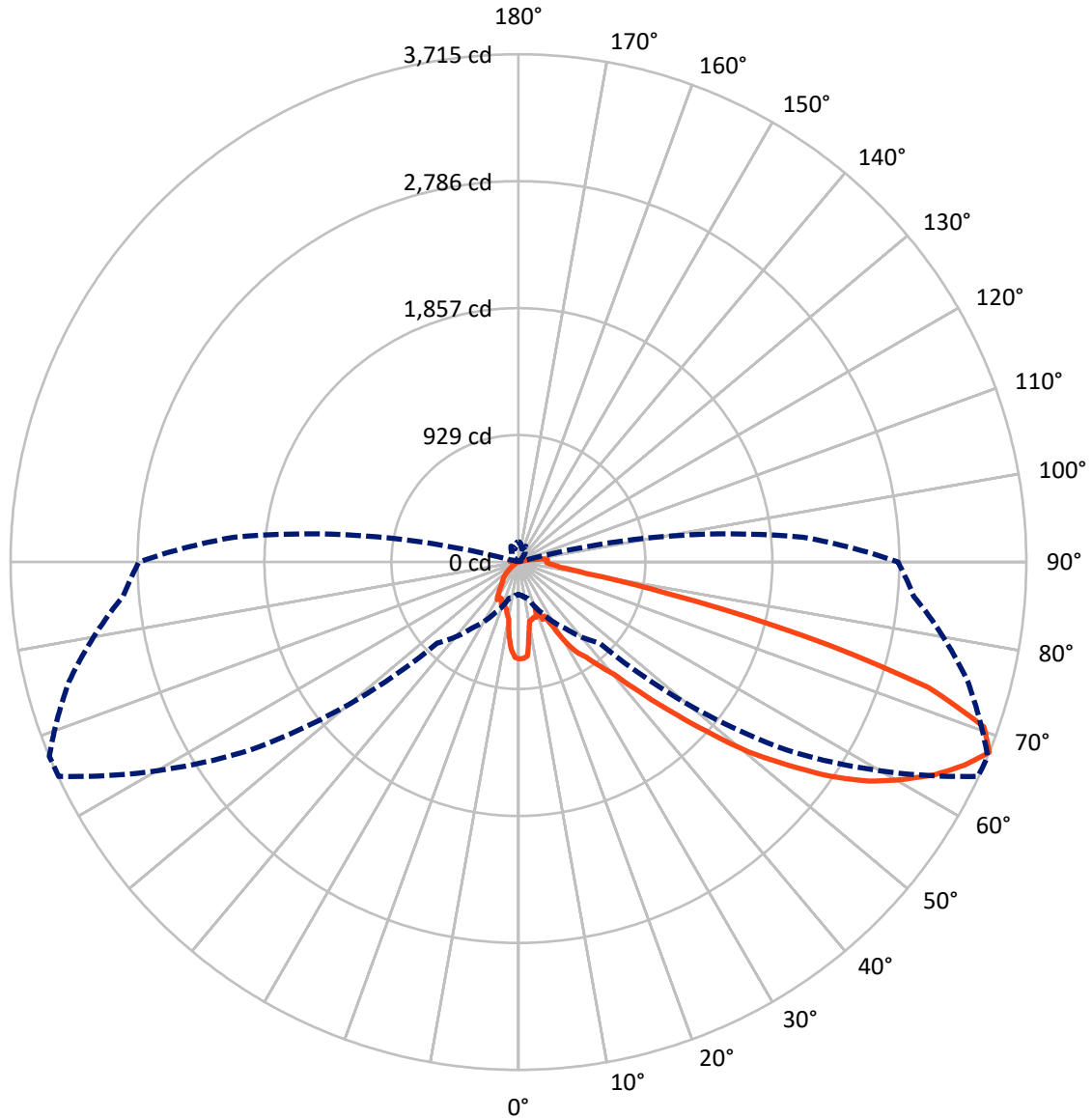
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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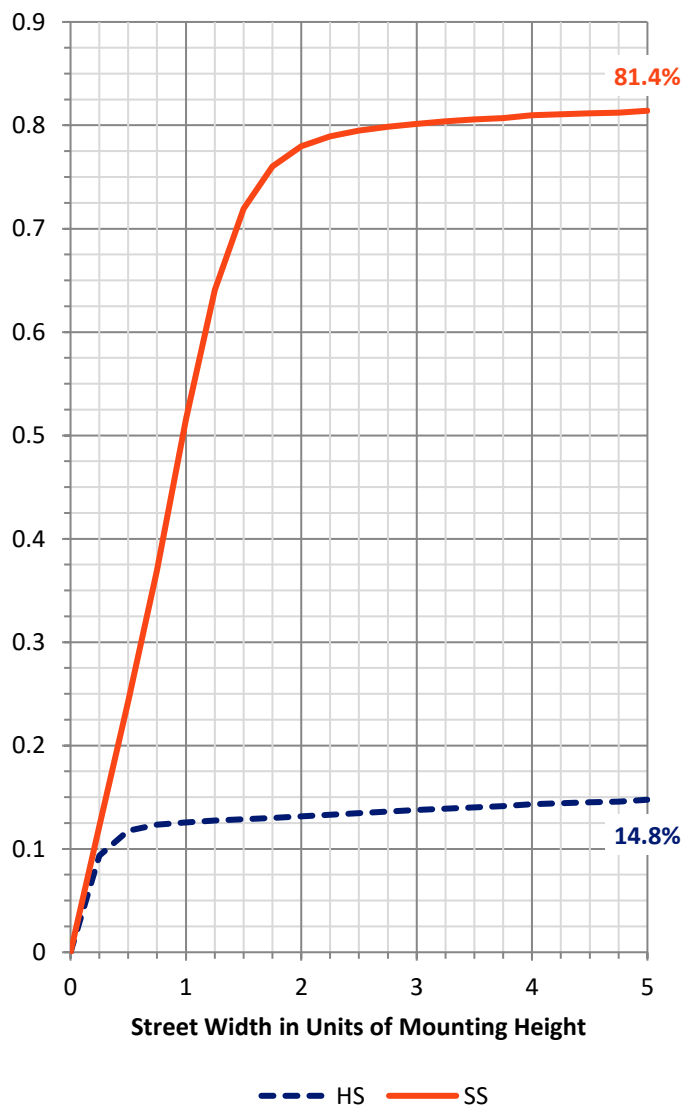
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	718.4	53.6	772.0
	% Fixture	15.6	1.2	16.8
<b>Street Side</b>	Lumens	3761.8	57.0	3818.8
	% Fixture	81.9	1.2	83.2
<b>Total</b>	Lumens	4480.2	110.6	4590.8
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	1.2
10°-20°	103.8	2.3
20°-30°	156.6	3.4
30°-40°	360.6	7.9
40°-50°	803.7	17.5
50°-60°	1196.0	26.1
60°-70°	1066.6	23.2
70°-80°	598.7	13.0
80°-90°	139.8	3.0
90°-100°	76.8	1.7
100°-110°	17.7	0.4
110°-120°	7.0	0.2
120°-130°	4.6	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°	4480.2	97.6
0°-180°	4590.8	100.0

**Coefficient of Utilization**



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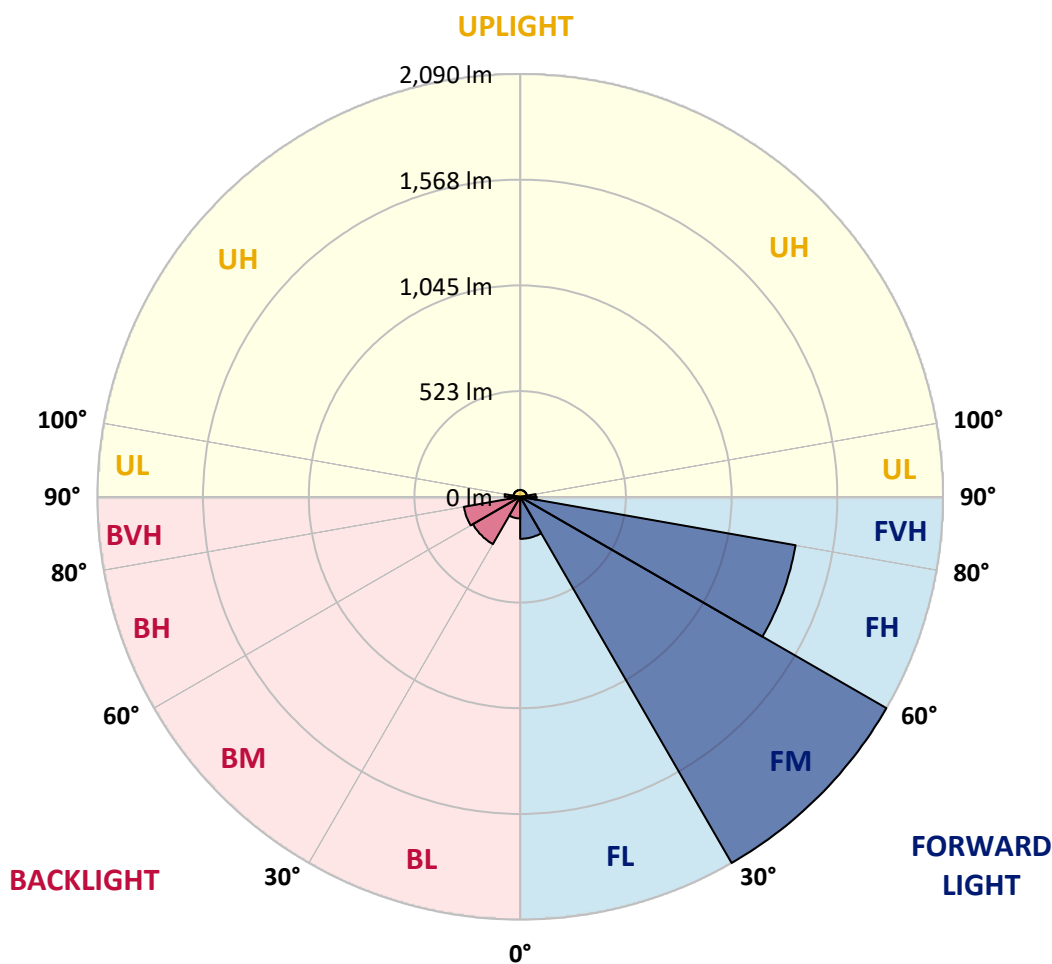
CATALOG NUMBER: SDL-PA1-70-830-U-T2U-HSS-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.7	4.5			
FM (30°-60°)	2090.2	45.5			
FH (60°-80°)	1382.7	30.1			G1/1800
FVH (80°-90°)	81.1	1.8			G1/100
BL (0°-30°)	107.1	2.3	B0/110		
BM (30°-60°)	270.0	5.9	B1/1000		
BH (60°-80°)	282.6	6.2	B1/500		G1/500
BVH (80°-90°)	58.7	1.3			G1/100
UL (90°-100°)	76.8	1.7		U3/500	
UH (100°-180°)	33.9	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°	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1
2.5°	600.3	634.6	671.4	695.9	700.8	708.1	708.1	705.7	705.7	703.2	703.2
5°	583.2	580.7	583.2	588.1	585.6	585.6	585.6	683.6	691.0	695.9	695.9
7.5°	502.3	514.6	553.8	568.5	573.4	578.3	578.3	570.9	544.0	602.8	610.1
10°	546.4	544.0	544.0	548.9	512.1	497.4	448.4	441.1	441.1	460.7	524.4
12.5°	458.2	485.2	521.9	536.6	495.0	438.6	426.4	436.2	433.7	379.8	443.5
15°	519.5	519.5	514.6	504.8	389.6	436.2	367.5	367.5	419.0	450.9	507.2
17.5°	421.5	433.7	495.0	487.6	428.8	328.3	428.8	394.5	423.9	396.9	426.4
20°	517.0	514.6	517.0	394.5	436.2	450.9	428.8	384.7	350.4	460.7	509.7
22.5°	426.4	421.5	446.0	487.6	411.6	468.0	392.0	468.0	455.8	409.2	367.5
25°	551.3	548.9	553.8	431.3	482.7	419.0	482.7	419.0	438.6	524.4	536.6
27.5°	497.4	495.0	487.6	526.8	458.2	529.3	455.8	512.1	526.8	568.5	659.1
30°	700.8	691.0	666.5	529.3	539.1	509.7	539.1	629.7	678.7	762.0	789.0
32.5°	1021.8	970.3	808.6	700.8	570.9	651.8	610.1	740.0	786.5	828.2	850.3
35°	1320.7	1298.7	1181.0	926.2	695.9	720.4	688.5	828.2	855.2	943.4	938.5
37.5°	1729.9	1693.2	1511.8	1195.7	874.8	865.0	784.1	943.4	963.0	1090.4	1065.9
40°	2036.2	2006.8	1864.7	1484.9	1112.4	1026.7	916.4	1102.6	1080.6	1252.1	1217.8
42.5°	2330.2	2313.1	2202.8	1815.7	1374.6	1276.6	1053.6	1298.7	1293.8	1443.2	1413.8
45°	2567.9	2548.3	2477.2	2112.2	1676.0	1678.5	1269.3	1514.3	1548.6	1690.7	1614.7
47.5°	2707.6	2665.9	2614.5	2347.4	1979.8	2063.1	1587.8	1759.3	1842.6	1965.1	1850.0
50°	2675.7	2634.1	2639.0	2496.8	2259.2	2393.9	1928.4	2019.0	2185.7	2281.2	2053.3
52.5°	2420.9	2396.4	2477.2	2469.9	2401.3	2697.8	2325.3	2300.8	2465.0	2528.7	2261.6
55°	2058.2	2023.9	2175.9	2283.7	2401.3	2886.4	2692.9	2614.5	2763.9	2754.1	2403.7
57.5°	1563.3	1575.5	1747.1	1916.1	2205.3	2923.2	2964.9	2955.1	3023.7	2940.4	2516.5
60°	1068.3	1075.7	1318.3	1509.4	1808.3	2729.6	3053.1	3236.8	3229.5	3097.2	2643.9
62.5°	671.4	668.9	852.7	1154.1	1301.1	2222.4	3018.8	3450.0	3423.1	3214.8	2741.9
65°	387.1	396.9	463.1	764.5	904.2	1516.7	2820.3	3658.3	3582.3	3320.1	2847.2
67.5°	237.7	245.0	276.9	414.1	590.5	838.0	2398.8	3709.7	3714.6	3405.9	2903.6
70°	200.9	203.4	218.1	254.8	411.6	470.5	1614.7	3469.6	3611.7	3425.5	2886.4
72.5°	169.1	171.5	193.6	223.0	306.3	333.2	725.3	2866.8	3136.4	3276.0	2761.5
75°	125.0	127.4	159.3	203.4	223.0	267.1	396.9	1899.0	2153.8	2590.0	2354.7
77.5°	80.9	83.3	112.7	164.2	188.7	210.7	321.0	887.0	1122.2	1497.1	1487.3
80°	53.9	53.9	66.2	115.2	149.5	171.5	279.3	438.6	499.9	617.5	578.3
82.5°	34.3	34.3	41.7	71.1	95.6	171.5	262.2	313.6	303.8	308.7	274.4
85°	14.7	14.7	22.1	39.2	51.5	112.7	235.2	269.5	257.3	257.3	245.0
87.5°	4.9	4.9	7.4	12.3	17.2	34.3	181.3	215.6	208.3	215.6	232.8
90°	4.9	4.9	2.5	4.9	4.9	24.5	147.0	213.2	208.3	218.1	240.1
92.5°	7.4	7.4	2.5	2.5	4.9	19.6	115.2	220.5	213.2	227.9	249.9
95°	12.3	12.3	4.9	2.5	7.4	17.2	71.1	196.0	213.2	225.4	254.8
97.5°	14.7	14.7	4.9	4.9	7.4	14.7	36.8	159.3	164.2	171.5	200.9
100°	19.6	19.6	4.9	4.9	4.9	12.3	19.6	83.3	85.8	61.3	98.0
102.5°	19.6	19.6	4.9	4.9	4.9	7.4	9.8	36.8	34.3	12.3	12.3
105°	22.1	22.1	7.4	4.9	4.9	4.9	4.9	12.3	12.3	7.4	14.7
107.5°	22.1	22.1	7.4	7.4	4.9	4.9	2.5	4.9	7.4	7.4	14.7
110°	17.2	17.2	7.4	7.4	4.9	2.5	2.5	2.5	4.9	7.4	17.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	12.3	12.3	4.9	7.4	4.9	2.5	2.5	2.5	4.9	9.8	24.5
115°	4.9	4.9	2.5	4.9	2.5	2.5	2.5	4.9	4.9	7.4	19.6
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	2.5	7.4	17.2
120°	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	9.8	17.2
122.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	9.8	17.2
125°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	7.4	14.7
127.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	4.9	14.7
130°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	4.9	9.8
132.5°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	4.9	7.4
135°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	4.9
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	4.9	4.9	2.5	0.0	4.9	2.5	2.5	2.5	2.5
152.5°	4.9	4.9	4.9	4.9	2.5	0.0	2.5	4.9	2.5	2.5	2.5
155°	4.9	4.9	2.5	2.5	2.5	0.0	2.5	2.5	2.5	4.9	7.4
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°	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1	708.1
2.5°	700.8	700.8	698.3	698.3	691.0	688.5	656.7	622.4	595.4	597.9	597.9
5°	693.4	688.5	681.2	632.2	570.9	561.1	561.1	556.2	553.8	556.2	556.2
7.5°	605.2	600.3	570.9	546.4	548.9	544.0	534.2	531.7	490.1	448.4	446.0
10°	521.9	514.6	436.2	419.0	416.6	433.7	475.4	460.7	446.0	428.8	436.2
12.5°	436.2	433.7	362.6	401.8	350.4	360.2	370.0	355.3	303.8	245.0	252.4
15°	504.8	497.4	411.6	333.2	298.9	301.4	198.5	191.1	154.4	139.7	132.3
17.5°	374.9	411.6	360.2	333.2	301.4	156.8	127.4	98.0	88.2	71.1	73.5
20°	502.3	492.5	411.6	311.2	232.8	132.3	71.1	56.4	68.6	71.1	71.1
22.5°	355.3	345.5	347.9	330.8	164.2	76.0	53.9	56.4	51.5	49.0	49.0
25°	521.9	504.8	421.5	252.4	122.5	49.0	51.5	39.2	46.6	46.6	46.6
27.5°	634.6	575.8	443.5	245.0	68.6	49.0	36.8	39.2	31.9	31.9	31.9
30°	759.6	725.3	580.7	227.9	53.9	39.2	34.3	27.0	29.4	29.4	29.4
32.5°	815.9	769.4	580.7	181.3	46.6	36.8	27.0	24.5	24.5	27.0	27.0
35°	896.8	847.8	578.3	120.1	39.2	29.4	22.1	22.1	22.1	22.1	22.1
37.5°	1019.3	948.3	588.1	76.0	31.9	24.5	17.2	19.6	19.6	41.7	41.7
40°	1156.5	1075.7	561.1	53.9	27.0	19.6	14.7	24.5	34.3	36.8	36.8
42.5°	1330.5	1242.3	521.9	46.6	24.5	14.7	12.3	19.6	29.4	46.6	46.6
45°	1538.8	1406.5	468.0	41.7	19.6	12.3	12.3	24.5	36.8	44.1	44.1
47.5°	1725.0	1565.7	374.9	39.2	17.2	9.8	17.2	27.0	31.9	51.5	51.5
50°	1943.1	1732.4	286.7	34.3	14.7	9.8	27.0	29.4	36.8	46.6	46.6
52.5°	2104.8	1872.0	218.1	31.9	14.7	7.4	27.0	27.0	41.7	53.9	53.9
55°	2234.7	1948.0	156.8	27.0	12.3	7.4	31.9	34.3	36.8	41.7	41.7
57.5°	2335.1	2001.9	122.5	24.5	12.3	17.2	39.2	44.1	39.2	41.7	41.7
60°	2450.3	2028.8	90.7	22.1	9.8	17.2	46.6	58.8	44.1	63.7	61.3
62.5°	2555.7	2048.4	73.5	22.1	9.8	19.6	51.5	73.5	58.8	85.8	88.2
65°	2688.0	2072.9	61.3	17.2	9.8	27.0	61.3	98.0	78.4	112.7	117.6
67.5°	2776.2	2087.7	51.5	17.2	9.8	31.9	85.8	127.4	98.0	142.1	147.0
70°	2786.0	2033.7	41.7	17.2	9.8	49.0	117.6	154.4	122.5	181.3	183.8
72.5°	2658.6	1879.4	34.3	19.6	9.8	53.9	137.2	178.9	144.6	240.1	242.6
75°	2148.9	1318.3	31.9	19.6	9.8	68.6	149.5	196.0	161.7	249.9	254.8
77.5°	1320.7	610.1	29.4	22.1	14.7	76.0	151.9	208.3	169.1	249.9	257.3
80°	512.1	301.4	27.0	24.5	34.3	85.8	164.2	210.7	169.1	232.8	242.6
82.5°	237.7	176.4	27.0	27.0	44.1	88.2	161.7	196.0	156.8	208.3	205.8
85°	213.2	174.0	29.4	29.4	46.6	76.0	127.4	166.6	134.8	164.2	164.2
87.5°	208.3	171.5	31.9	36.8	46.6	44.1	98.0	142.1	115.2	122.5	122.5
90°	213.2	178.9	34.3	41.7	39.2	24.5	78.4	117.6	88.2	78.4	76.0
92.5°	227.9	181.3	41.7	49.0	36.8	19.6	66.2	95.6	63.7	51.5	49.0
95°	240.1	186.2	51.5	58.8	39.2	17.2	58.8	76.0	46.6	31.9	29.4
97.5°	200.9	144.6	58.8	63.7	39.2	17.2	51.5	61.3	36.8	17.2	17.2
100°	85.8	63.7	61.3	68.6	36.8	14.7	44.1	49.0	24.5	7.4	9.8
102.5°	17.2	19.6	53.9	63.7	29.4	9.8	29.4	29.4	17.2	2.5	4.9
105°	17.2	14.7	34.3	53.9	17.2	4.9	12.3	17.2	7.4	2.5	2.5
107.5°	17.2	17.2	12.3	27.0	7.4	4.9	4.9	7.4	4.9	2.5	2.5
110°	19.6	17.2	4.9	7.4	4.9	4.9	4.9	4.9	2.5	12.3	14.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	22.1	4.9	7.4	7.4	4.9	2.5	2.5	4.9	17.2	19.6
115°	22.1	19.6	7.4	7.4	4.9	4.9	2.5	2.5	4.9	19.6	22.1
117.5°	17.2	17.2	7.4	4.9	4.9	4.9	2.5	2.5	4.9	19.6	19.6
120°	19.6	17.2	7.4	4.9	2.5	2.5	2.5	2.5	4.9	14.7	14.7
122.5°	19.6	17.2	7.4	4.9	2.5	2.5	2.5	2.5	4.9	14.7	17.2
125°	17.2	14.7	7.4	4.9	2.5	2.5	2.5	2.5	7.4	14.7	14.7
127.5°	14.7	12.3	4.9	2.5	2.5	2.5	2.5	2.5	7.4	12.3	12.3
130°	9.8	9.8	4.9	2.5	2.5	2.5	2.5	2.5	7.4	9.8	9.8
132.5°	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	4.9	9.8	9.8
135°	7.4	4.9	4.9	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9
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	4.9	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
155°	7.4	7.4	7.4	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)