

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: P560825

Luminaire Tested: **SDL-PA1-60-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560825
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-PA1-60-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4048.5 lumens
Efficiency: N/A
Efficacy: 64.9 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

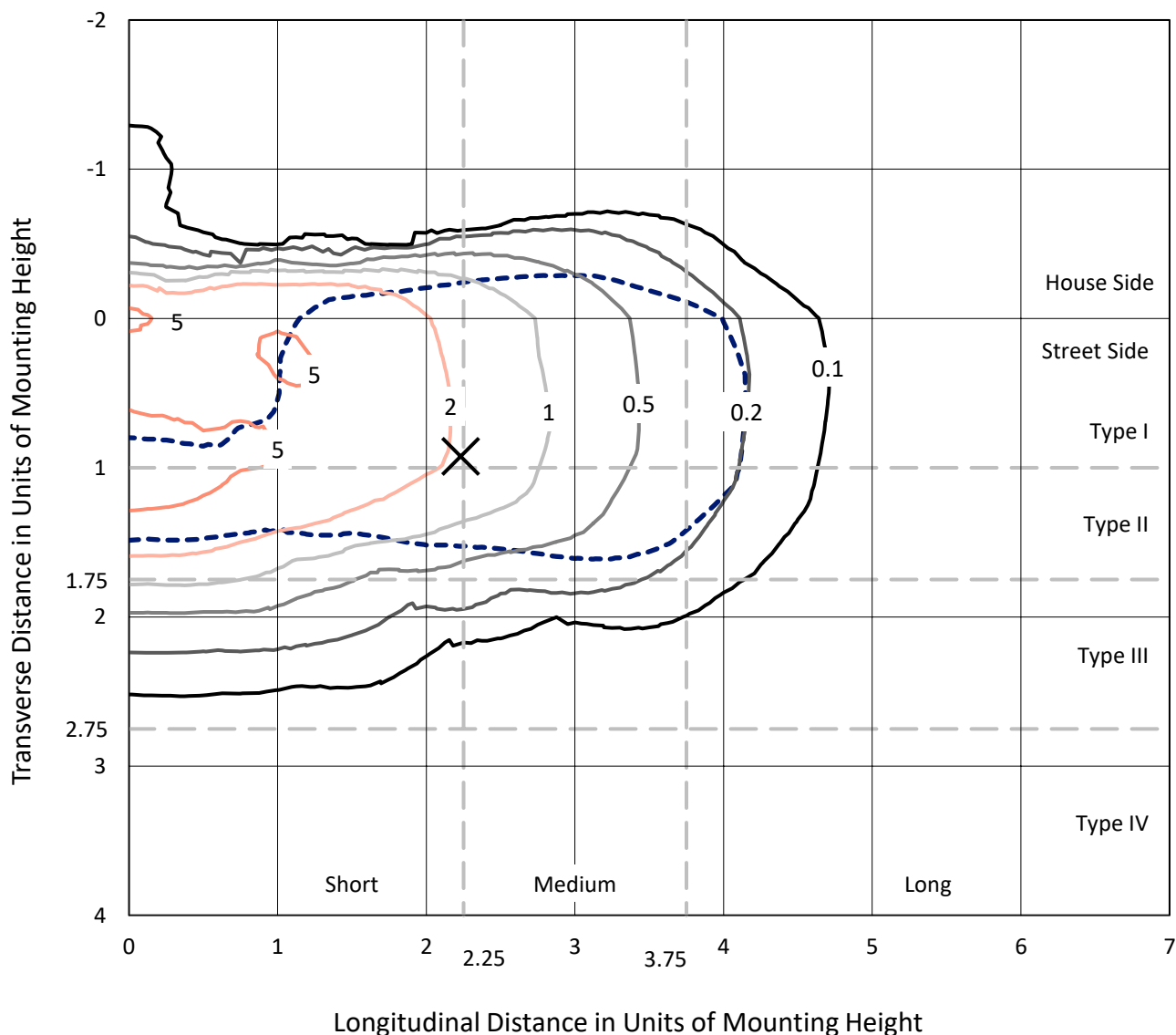
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

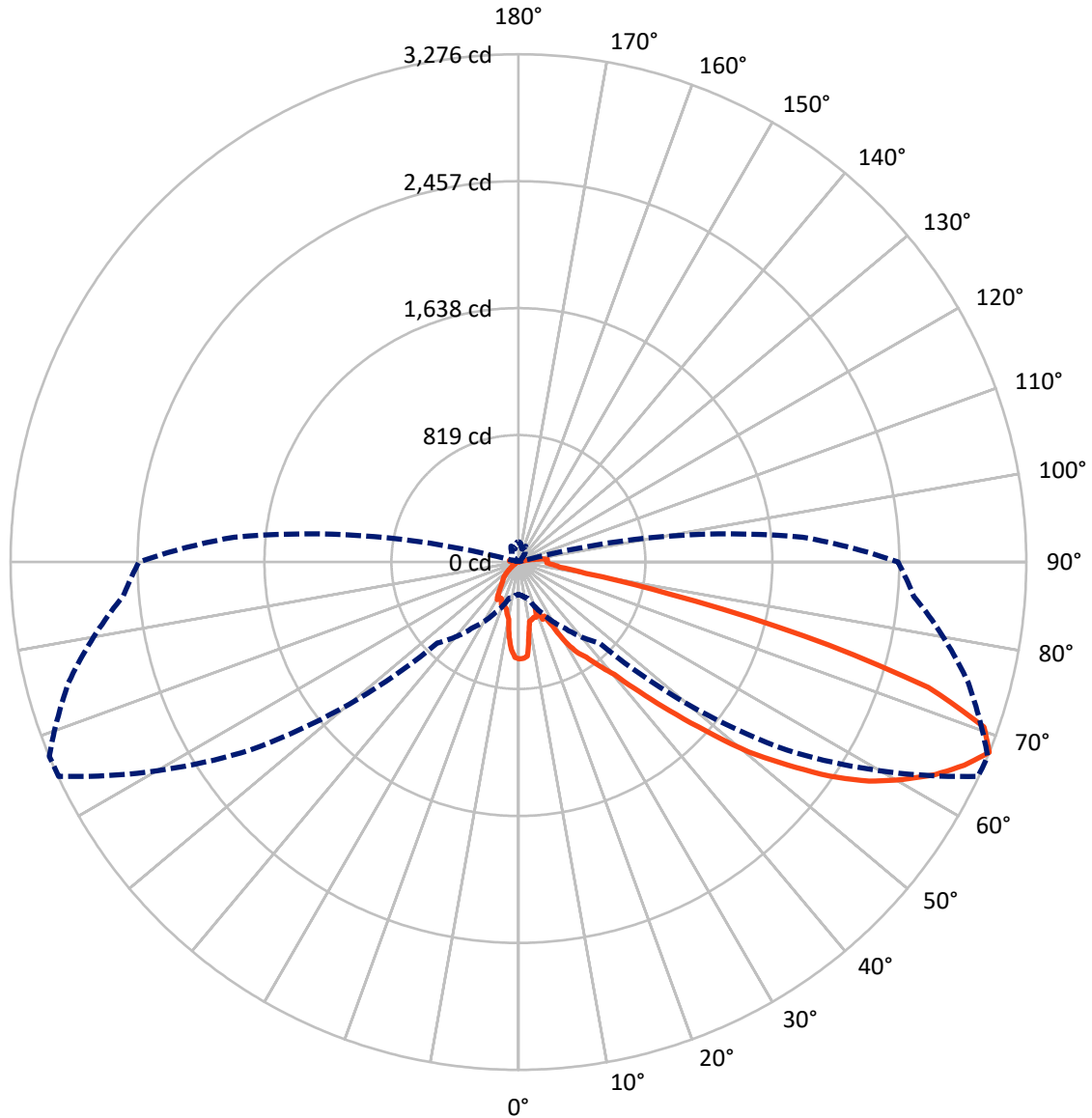
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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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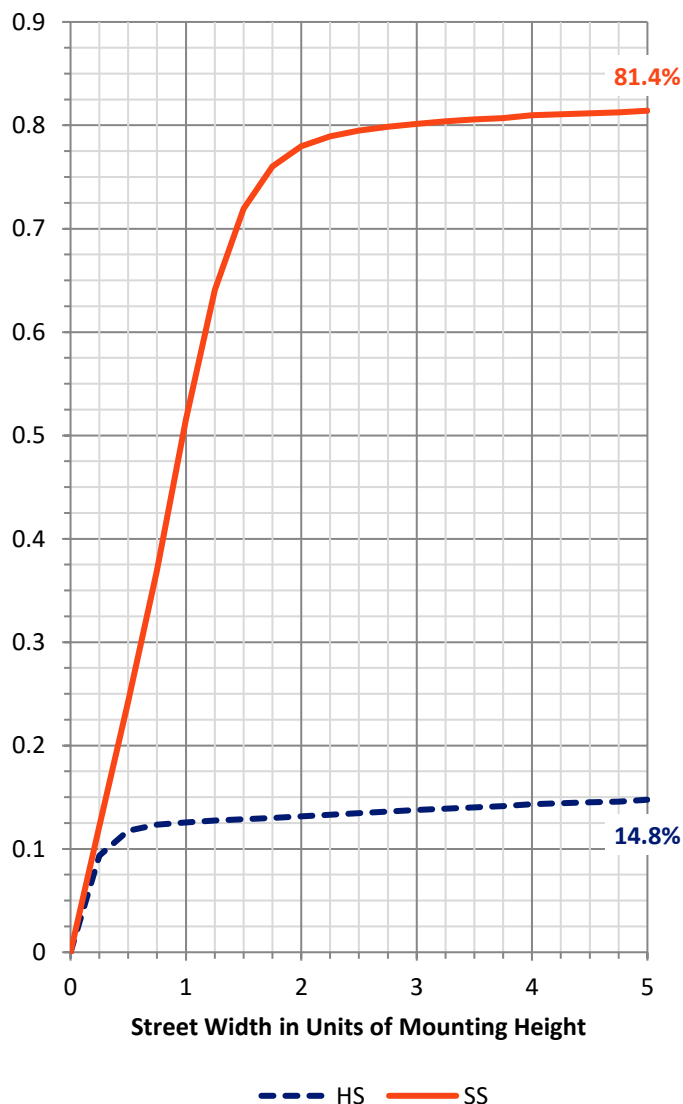
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	633.5	47.2	680.7
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3317.5	50.2	3367.8
	% Fixture	81.9	1.2	83.2
Total	Lumens	3951.0	97.5	4048.5
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.2
10°-20°	91.5	2.3
20°-30°	138.1	3.4
30°-40°	318.0	7.9
40°-50°	708.8	17.5
50°-60°	1054.7	26.1
60°-70°	940.7	23.2
70°-80°	528.0	13.0
80°-90°	123.3	3.0
90°-100°	67.7	1.7
100°-110°	15.6	0.4
110°-120°	6.1	0.2
120°-130°	4.1	0.1
130°-140°	2.1	0.1
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3951.0	97.6
0°-180°	4048.5	100.0

Coefficient of Utilization



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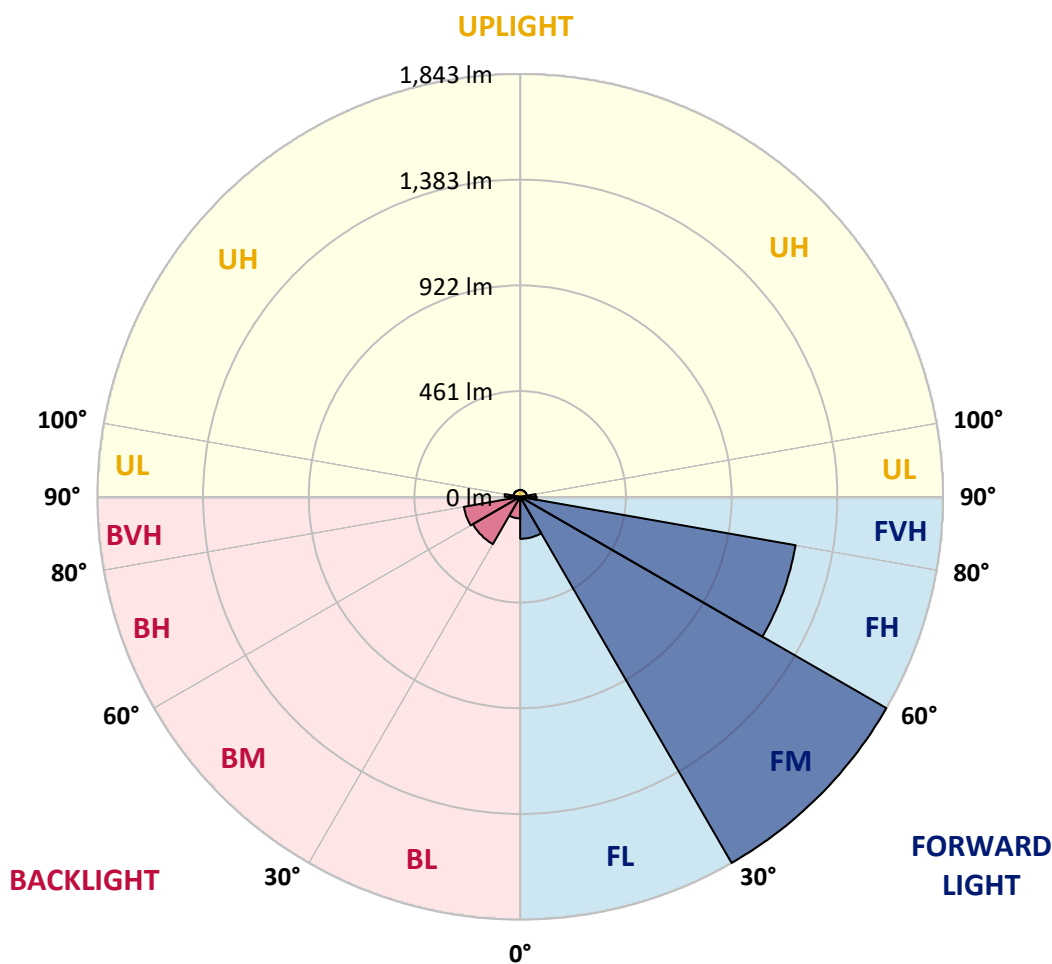
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.1	4.5			
FM (30°-60°)	1843.4	45.5			
FH (60°-80°)	1219.4	30.1			G1/1800
FVH (80°-90°)	71.6	1.8			G1/100
BL (0°-30°)	94.4	2.3	B0/110		
BM (30°-60°)	238.1	5.9	B1/1000		
BH (60°-80°)	249.2	6.2	B1/500		G1/500
BVH (80°-90°)	51.7	1.3			G1/100
UL (90°-100°)	67.7	1.7		U3/500	
UH (100°-180°)	29.8	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°	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5
2.5°	529.4	559.7	592.1	613.7	618.0	624.5	624.5	622.3	622.3	620.2	620.2
5°	514.3	512.1	514.3	518.6	516.5	516.5	516.5	602.9	609.4	613.7	613.7
7.5°	443.0	453.8	488.4	501.3	505.7	510.0	510.0	503.5	479.7	531.6	538.1
10°	481.9	479.7	479.7	484.0	451.6	438.7	395.4	389.0	389.0	406.3	462.4
12.5°	404.1	427.9	460.3	473.2	436.5	386.8	376.0	384.6	382.5	334.9	391.1
15°	458.1	458.1	453.8	445.2	343.6	384.6	324.1	324.1	369.5	397.6	447.3
17.5°	371.7	382.5	436.5	430.0	378.2	289.6	378.2	347.9	373.8	350.1	376.0
20°	456.0	453.8	456.0	347.9	384.6	397.6	378.2	339.3	309.0	406.3	449.5
22.5°	376.0	371.7	393.3	430.0	363.0	412.7	345.7	412.7	401.9	360.9	324.1
25°	486.2	484.0	488.4	380.3	425.7	369.5	425.7	369.5	386.8	462.4	473.2
27.5°	438.7	436.5	430.0	464.6	404.1	466.8	401.9	451.6	464.6	501.3	581.3
30°	618.0	609.4	587.8	466.8	475.4	449.5	475.4	555.4	598.6	672.0	695.8
32.5°	901.1	855.7	713.1	618.0	503.5	574.8	538.1	652.6	693.7	730.4	749.8
35°	1164.7	1145.3	1041.6	816.8	613.7	635.3	607.2	730.4	754.2	832.0	827.6
37.5°	1525.6	1493.2	1333.3	1054.5	771.5	762.8	691.5	832.0	849.2	961.6	940.0
40°	1795.7	1769.8	1644.5	1309.5	981.1	905.4	808.2	972.4	953.0	1104.2	1074.0
42.5°	2055.0	2039.9	1942.7	1601.2	1212.3	1125.8	929.2	1145.3	1141.0	1272.8	1246.9
45°	2264.6	2247.4	2184.7	1862.7	1478.1	1480.2	1119.4	1335.5	1365.7	1491.0	1424.0
47.5°	2387.8	2351.1	2305.7	2070.2	1746.0	1819.5	1400.3	1551.5	1625.0	1733.1	1631.5
50°	2359.7	2323.0	2327.3	2202.0	1992.4	2111.2	1700.6	1780.6	1927.5	2011.8	1810.9
52.5°	2135.0	2113.4	2184.7	2178.2	2117.7	2379.2	2050.7	2029.1	2173.9	2230.1	1994.5
55°	1815.2	1784.9	1918.9	2014.0	2117.7	2545.6	2374.9	2305.7	2437.5	2428.9	2119.9
57.5°	1378.7	1389.5	1540.7	1689.8	1944.8	2578.0	2614.7	2606.1	2666.6	2593.1	2219.3
60°	942.2	948.6	1162.6	1331.1	1594.8	2407.3	2692.5	2854.6	2848.1	2731.4	2331.6
62.5°	592.1	589.9	752.0	1017.8	1147.5	1960.0	2662.3	3042.6	3018.8	2835.1	2418.1
65°	341.4	350.1	408.4	674.2	797.4	1337.6	2487.2	3226.3	3159.3	2928.1	2511.0
67.5°	209.6	216.1	244.2	365.2	520.8	739.0	2115.5	3271.6	3276.0	3003.7	2560.7
70°	177.2	179.4	192.3	224.7	363.0	414.9	1424.0	3059.9	3185.2	3021.0	2545.6
72.5°	149.1	151.3	170.7	196.6	270.1	293.9	639.6	2528.3	2766.0	2889.2	2435.4
75°	110.2	112.4	140.5	179.4	196.6	235.5	350.1	1674.7	1899.5	2284.1	2076.6
77.5°	71.3	73.5	99.4	144.8	166.4	185.8	283.1	782.3	989.7	1320.3	1311.7
80°	47.5	47.5	58.3	101.6	131.8	151.3	246.3	386.8	440.8	544.6	510.0
82.5°	30.3	30.3	36.7	62.7	84.3	151.3	231.2	276.6	268.0	272.3	242.0
85°	13.0	13.0	19.4	34.6	45.4	99.4	207.4	237.7	226.9	226.9	216.1
87.5°	4.3	4.3	6.5	10.8	15.1	30.3	159.9	190.2	183.7	190.2	205.3
90°	4.3	4.3	2.2	4.3	4.3	21.6	129.7	188.0	183.7	192.3	211.8
92.5°	6.5	6.5	2.2	2.2	4.3	17.3	101.6	194.5	188.0	201.0	220.4
95°	10.8	10.8	4.3	2.2	6.5	15.1	62.7	172.9	188.0	198.8	224.7
97.5°	13.0	13.0	4.3	4.3	6.5	13.0	32.4	140.5	144.8	151.3	177.2
100°	17.3	17.3	4.3	4.3	4.3	10.8	17.3	73.5	75.6	54.0	86.4
102.5°	17.3	17.3	4.3	4.3	4.3	6.5	8.6	32.4	30.3	10.8	10.8
105°	19.4	19.4	6.5	4.3	4.3	4.3	4.3	10.8	10.8	6.5	13.0
107.5°	19.4	19.4	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	13.0
110°	15.1	15.1	6.5	6.5	4.3	2.2	2.2	2.2	4.3	6.5	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	10.8	10.8	4.3	6.5	4.3	2.2	2.2	2.2	4.3	8.6	21.6
115°	4.3	4.3	2.2	4.3	2.2	2.2	2.2	4.3	4.3	6.5	17.3
117.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	2.2	6.5	15.1
120°	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	8.6	15.1
122.5°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	8.6	15.1
125°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	6.5	13.0
127.5°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3	13.0
130°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3	8.6
132.5°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3	6.5
135°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	4.3
137.5°	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2
140°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	4.3	4.3	2.2	0.0	4.3	2.2	2.2	2.2	2.2
152.5°	4.3	4.3	4.3	4.3	2.2	0.0	2.2	4.3	2.2	2.2	2.2
155°	4.3	4.3	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3	6.5
157.5°	0.0	0.0	0.0	0.0	2.2	0.0	2.2	2.2	0.0	0.0	2.2
160°	0.0	0.0	0.0	0.0	2.2	0.0	2.2	2.2	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°	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5	624.5
2.5°	618.0	618.0	615.9	615.9	609.4	607.2	579.1	548.9	525.1	527.3	527.3
5°	611.5	607.2	600.7	557.5	503.5	494.9	494.9	490.5	488.4	490.5	490.5
7.5°	533.7	529.4	503.5	481.9	484.0	479.7	471.1	468.9	432.2	395.4	393.3
10°	460.3	453.8	384.6	369.5	367.4	382.5	419.2	406.3	393.3	378.2	384.6
12.5°	384.6	382.5	319.8	354.4	309.0	317.7	326.3	313.3	268.0	216.1	222.6
15°	445.2	438.7	363.0	293.9	263.6	265.8	175.0	168.6	136.1	123.2	116.7
17.5°	330.6	363.0	317.7	293.9	265.8	138.3	112.4	86.4	77.8	62.7	64.8
20°	443.0	434.3	363.0	274.4	205.3	116.7	62.7	49.7	60.5	62.7	62.7
22.5°	313.3	304.7	306.9	291.7	144.8	67.0	47.5	49.7	45.4	43.2	43.2
25°	460.3	445.2	371.7	222.6	108.0	43.2	45.4	34.6	41.1	41.1	41.1
27.5°	559.7	507.8	391.1	216.1	60.5	43.2	32.4	34.6	28.1	28.1	28.1
30°	669.9	639.6	512.1	201.0	47.5	34.6	30.3	23.8	25.9	25.9	25.9
32.5°	719.6	678.5	512.1	159.9	41.1	32.4	23.8	21.6	21.6	23.8	23.8
35°	790.9	747.7	510.0	105.9	34.6	25.9	19.4	19.4	19.4	19.4	19.4
37.5°	898.9	836.3	518.6	67.0	28.1	21.6	15.1	17.3	17.3	36.7	36.7
40°	1020.0	948.6	494.9	47.5	23.8	17.3	13.0	21.6	30.3	32.4	32.4
42.5°	1173.4	1095.6	460.3	41.1	21.6	13.0	10.8	17.3	25.9	41.1	41.1
45°	1357.1	1240.4	412.7	36.7	17.3	10.8	10.8	21.6	32.4	38.9	38.9
47.5°	1521.3	1380.8	330.6	34.6	15.1	8.6	15.1	23.8	28.1	45.4	45.4
50°	1713.6	1527.8	252.8	30.3	13.0	8.6	23.8	25.9	32.4	41.1	41.1
52.5°	1856.2	1650.9	192.3	28.1	13.0	6.5	23.8	23.8	36.7	47.5	47.5
55°	1970.8	1717.9	138.3	23.8	10.8	6.5	28.1	30.3	32.4	36.7	36.7
57.5°	2059.4	1765.5	108.0	21.6	10.8	15.1	34.6	38.9	34.6	36.7	36.7
60°	2160.9	1789.2	80.0	19.4	8.6	15.1	41.1	51.9	38.9	56.2	54.0
62.5°	2253.8	1806.5	64.8	19.4	8.6	17.3	45.4	64.8	51.9	75.6	77.8
65°	2370.5	1828.1	54.0	15.1	8.6	23.8	54.0	86.4	69.1	99.4	103.7
67.5°	2448.3	1841.1	45.4	15.1	8.6	28.1	75.6	112.4	86.4	125.3	129.7
70°	2457.0	1793.6	36.7	15.1	8.6	43.2	103.7	136.1	108.0	159.9	162.1
72.5°	2344.6	1657.4	30.3	17.3	8.6	47.5	121.0	157.7	127.5	211.8	213.9
75°	1895.1	1162.6	28.1	17.3	8.6	60.5	131.8	172.9	142.6	220.4	224.7
77.5°	1164.7	538.1	25.9	19.4	13.0	67.0	134.0	183.7	149.1	220.4	226.9
80°	451.6	265.8	23.8	21.6	30.3	75.6	144.8	185.8	149.1	205.3	213.9
82.5°	209.6	155.6	23.8	23.8	38.9	77.8	142.6	172.9	138.3	183.7	181.5
85°	188.0	153.4	25.9	25.9	41.1	67.0	112.4	146.9	118.9	144.8	144.8
87.5°	183.7	151.3	28.1	32.4	41.1	38.9	86.4	125.3	101.6	108.0	108.0
90°	188.0	157.7	30.3	36.7	34.6	21.6	69.1	103.7	77.8	69.1	67.0
92.5°	201.0	159.9	36.7	43.2	32.4	17.3	58.3	84.3	56.2	45.4	43.2
95°	211.8	164.2	45.4	51.9	34.6	15.1	51.9	67.0	41.1	28.1	25.9
97.5°	177.2	127.5	51.9	56.2	34.6	15.1	45.4	54.0	32.4	15.1	15.1
100°	75.6	56.2	54.0	60.5	32.4	13.0	38.9	43.2	21.6	6.5	8.6
102.5°	15.1	17.3	47.5	56.2	25.9	8.6	25.9	25.9	15.1	2.2	4.3
105°	15.1	13.0	30.3	47.5	15.1	4.3	10.8	15.1	6.5	2.2	2.2
107.5°	15.1	15.1	10.8	23.8	6.5	4.3	4.3	6.5	4.3	2.2	2.2
110°	17.3	15.1	4.3	6.5	4.3	4.3	4.3	4.3	2.2	10.8	13.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	19.4	4.3	6.5	6.5	4.3	2.2	2.2	4.3	15.1	17.3
115°	19.4	17.3	6.5	6.5	4.3	4.3	2.2	2.2	4.3	17.3	19.4
117.5°	15.1	15.1	6.5	4.3	4.3	4.3	2.2	2.2	4.3	17.3	17.3
120°	17.3	15.1	6.5	4.3	2.2	2.2	2.2	2.2	4.3	13.0	13.0
122.5°	17.3	15.1	6.5	4.3	2.2	2.2	2.2	2.2	4.3	13.0	15.1
125°	15.1	13.0	6.5	4.3	2.2	2.2	2.2	2.2	6.5	13.0	13.0
127.5°	13.0	10.8	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	10.8
130°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	2.2	6.5	8.6	8.6
132.5°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	8.6	8.6
135°	6.5	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
140°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
152.5°	2.2	2.2	4.3	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
155°	6.5	6.5	6.5	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.2	2.2	2.2	2.2	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)