

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: P561331

Luminaire Tested: **SDL-PA1-90-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561331
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-PA1-90-827-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1180mA 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: 5109 lumens
Efficiency: N/A
Efficacy: 55.3 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

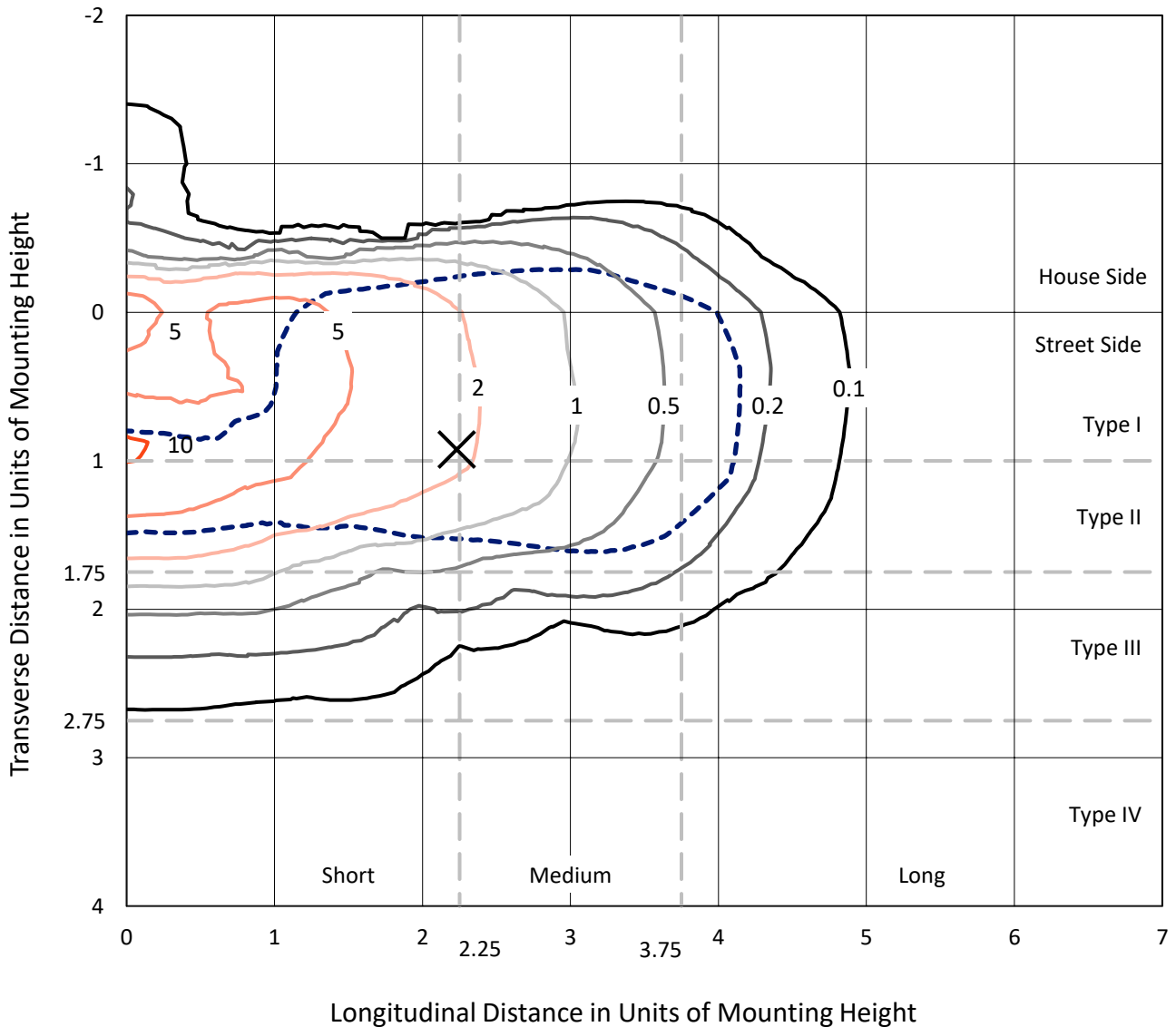
Input Watts (W): 92.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

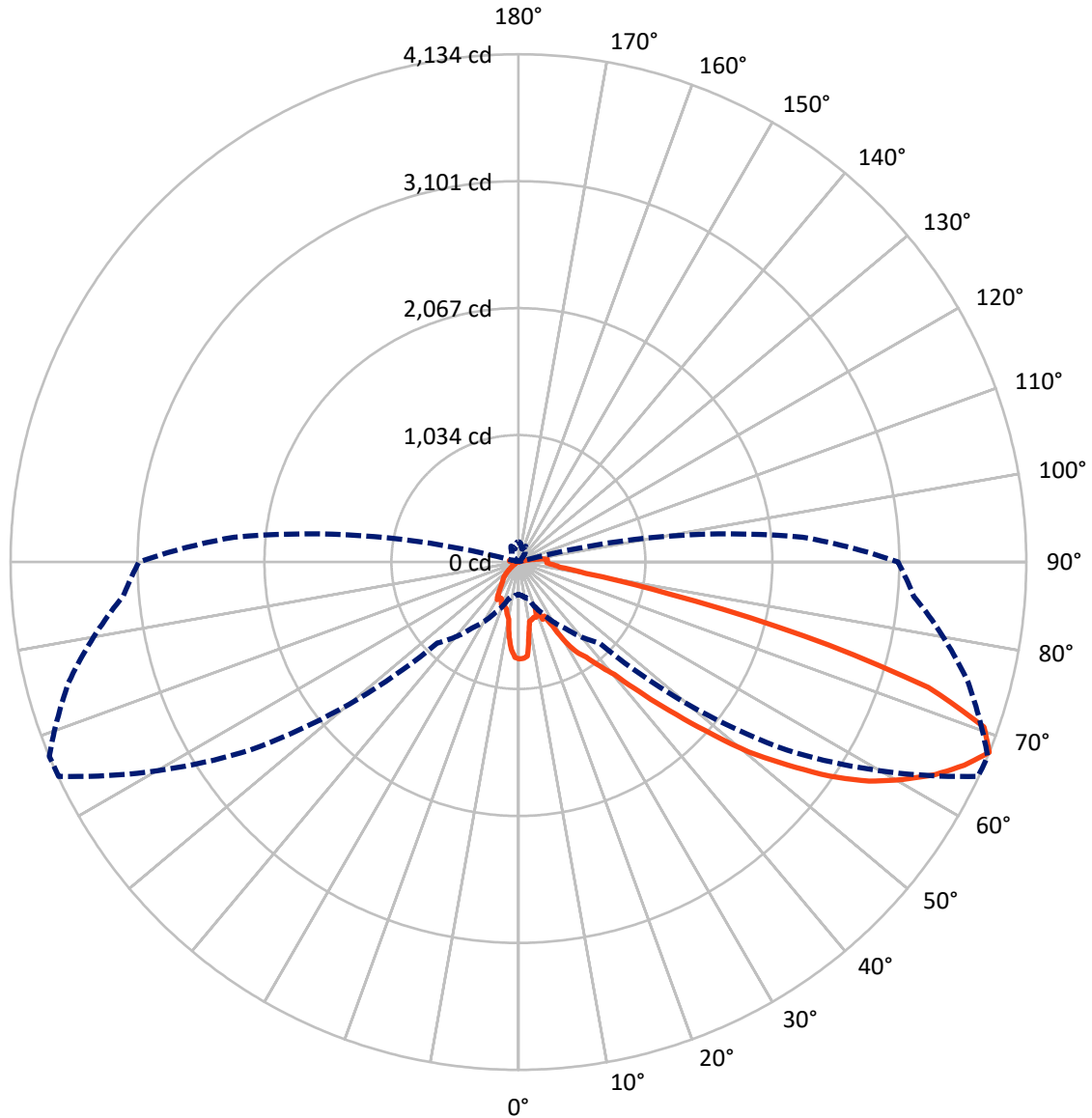
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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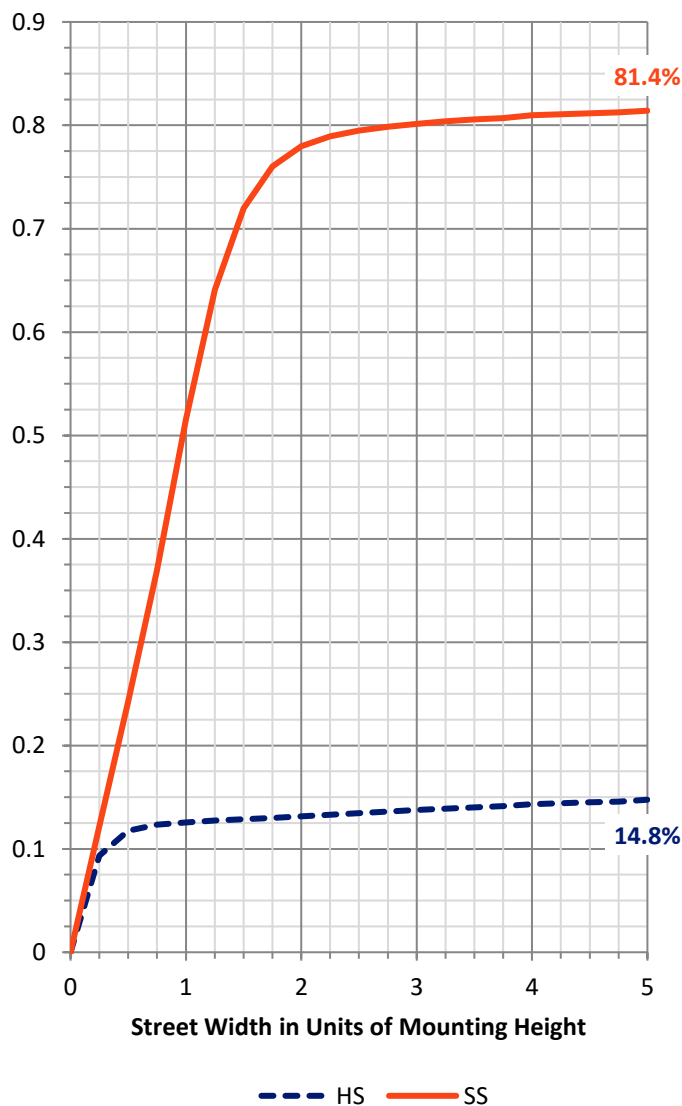
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.5	59.6	859.1
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	4186.6	63.3	4249.9
	% Fixture	81.9	1.2	83.2
Total	Lumens	4986.1	122.9	5109.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.2
10°-20°	115.5	2.3
20°-30°	174.2	3.4
30°-40°	401.3	7.9
40°-50°	894.5	17.5
50°-60°	1331.0	26.1
60°-70°	1187.1	23.2
70°-80°	666.3	13.0
80°-90°	155.6	3.0
90°-100°	85.4	1.7
100°-110°	19.7	0.4
110°-120°	7.7	0.2
120°-130°	5.1	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4986.1	97.6
0°-180°	5109.0	100.0

Coefficient of Utilization



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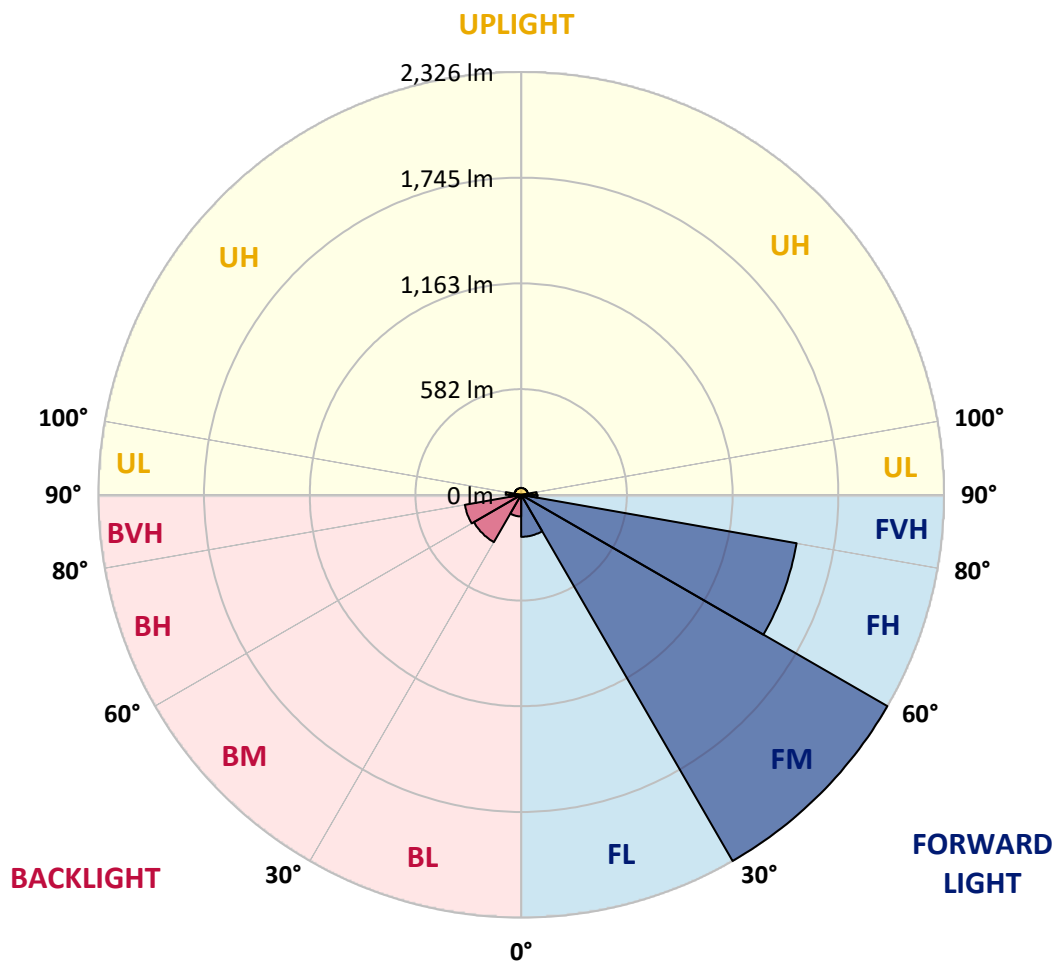
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.1	4.5			
FM (30°-60°)	2326.3	45.5			
FH (60°-80°)	1538.9	30.1			G1/1800
FVH (80°-90°)	90.3	1.8			G1/100
BL (0°-30°)	119.2	2.3	B1/500		
BM (30°-60°)	300.5	5.9	B1/1000		
BH (60°-80°)	314.6	6.2	B1/500		G1/500
BVH (80°-90°)	65.3	1.3			G1/100
UL (90°-100°)	85.4	1.7		U3/500	
UH (100°-180°)	37.5	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°	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1
2.5°	668.1	706.3	747.2	774.5	779.9	788.1	788.1	785.4	785.4	782.7	782.7
5°	649.0	646.3	649.0	654.5	651.8	651.8	651.8	760.8	769.0	774.5	774.5
7.5°	559.0	572.7	616.3	632.7	638.1	643.6	643.6	635.4	605.4	670.8	679.0
10°	608.1	605.4	605.4	610.9	569.9	553.6	499.0	490.9	490.9	512.7	583.6
12.5°	510.0	540.0	580.9	597.2	550.9	488.1	474.5	485.4	482.7	422.7	493.6
15°	578.1	578.1	572.7	561.8	433.6	485.4	409.1	409.1	466.3	501.8	564.5
17.5°	469.0	482.7	550.9	542.7	477.2	365.4	477.2	439.1	471.8	441.8	474.5
20°	575.4	572.7	575.4	439.1	485.4	501.8	477.2	428.1	390.0	512.7	567.2
22.5°	474.5	469.0	496.3	542.7	458.1	520.9	436.3	520.9	507.2	455.4	409.1
25°	613.6	610.9	616.3	480.0	537.2	466.3	537.2	466.3	488.1	583.6	597.2
27.5°	553.6	550.9	542.7	586.3	510.0	589.0	507.2	569.9	586.3	632.7	733.6
30°	779.9	769.0	741.7	589.0	599.9	567.2	599.9	700.8	755.4	848.1	878.1
32.5°	1137.2	1079.9	899.9	779.9	635.4	725.4	679.0	823.6	875.4	921.7	946.3
35°	1469.9	1445.3	1314.4	1030.8	774.5	801.7	766.3	921.7	951.7	1049.9	1044.4
37.5°	1925.3	1884.4	1682.6	1330.8	973.5	962.6	872.6	1049.9	1071.7	1213.5	1186.3
40°	2266.2	2233.4	2075.3	1652.6	1238.1	1142.6	1019.9	1227.2	1202.6	1393.5	1355.3
42.5°	2593.4	2574.3	2451.6	2020.7	1529.9	1420.8	1172.6	1445.3	1439.9	1606.2	1573.5
45°	2857.9	2836.1	2757.0	2350.7	1865.3	1868.0	1412.6	1685.3	1723.5	1881.6	1797.1
47.5°	3013.4	2967.0	2909.7	2612.5	2203.4	2296.2	1767.1	1958.0	2050.7	2187.1	2058.9
50°	2977.9	2931.5	2937.0	2778.8	2514.3	2664.3	2146.2	2247.1	2432.5	2538.9	2285.2
52.5°	2694.3	2667.0	2757.0	2748.8	2672.5	3002.4	2587.9	2560.7	2743.4	2814.3	2517.0
55°	2290.7	2252.5	2421.6	2541.6	2672.5	3212.4	2997.0	2909.7	3076.1	3065.2	2675.2
57.5°	1739.8	1753.5	1944.4	2132.5	2454.3	3253.3	3299.7	3288.8	3365.1	3272.4	2800.6
60°	1189.0	1197.2	1467.1	1679.8	2012.5	3037.9	3397.9	3602.4	3594.2	3447.0	2942.5
62.5°	747.2	744.5	949.0	1284.4	1448.0	2473.4	3359.7	3839.6	3809.6	3577.9	3051.5
65°	430.9	441.8	515.4	850.8	1006.3	1688.0	3138.8	4071.4	3986.9	3695.1	3168.8
67.5°	264.5	272.7	308.2	460.9	657.2	932.6	2669.8	4128.7	4134.2	3790.6	3231.5
70°	223.6	226.3	242.7	283.6	458.1	523.6	1797.1	3861.5	4019.6	3812.4	3212.4
72.5°	188.2	190.9	215.4	248.2	340.9	370.9	807.2	3190.6	3490.6	3646.0	3073.4
75°	139.1	141.8	177.3	226.3	248.2	297.2	441.8	2113.4	2397.1	2882.5	2620.7
77.5°	90.0	92.7	125.4	182.7	210.0	234.5	357.2	987.2	1249.0	1666.2	1655.3
80°	60.0	60.0	73.6	128.2	166.3	190.9	310.9	488.1	556.3	687.2	643.6
82.5°	38.2	38.2	46.4	79.1	106.4	190.9	291.8	349.1	338.2	343.6	305.4
85°	16.4	16.4	24.5	43.6	57.3	125.4	261.8	300.0	286.3	286.3	272.7
87.5°	5.5	5.5	8.2	13.6	19.1	38.2	201.8	240.0	231.8	240.0	259.1
90°	5.5	5.5	2.7	5.5	5.5	27.3	163.6	237.3	231.8	242.7	267.2
92.5°	8.2	8.2	2.7	2.7	5.5	21.8	128.2	245.4	237.3	253.6	278.2
95°	13.6	13.6	5.5	2.7	8.2	19.1	79.1	218.2	237.3	250.9	283.6
97.5°	16.4	16.4	5.5	5.5	8.2	16.4	40.9	177.3	182.7	190.9	223.6
100°	21.8	21.8	5.5	5.5	5.5	13.6	21.8	92.7	95.4	68.2	109.1
102.5°	21.8	21.8	5.5	5.5	5.5	8.2	10.9	40.9	38.2	13.6	13.6
105°	24.5	24.5	8.2	5.5	5.5	5.5	5.5	13.6	13.6	8.2	16.4
107.5°	24.5	24.5	8.2	8.2	5.5	5.5	2.7	5.5	8.2	8.2	16.4
110°	19.1	19.1	8.2	8.2	5.5	2.7	2.7	2.7	5.5	8.2	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	13.6	13.6	5.5	8.2	5.5	2.7	2.7	2.7	5.5	10.9	27.3
115°	5.5	5.5	2.7	5.5	2.7	2.7	2.7	5.5	5.5	8.2	21.8
117.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	2.7	8.2	19.1
120°	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	10.9	19.1
122.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	10.9	19.1
125°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	8.2	16.4
127.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5	16.4
130°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5	10.9
132.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5	8.2
135°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.5
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	5.5	5.5	2.7	0.0	5.5	2.7	2.7	2.7	2.7
152.5°	5.5	5.5	5.5	5.5	2.7	0.0	2.7	5.5	2.7	2.7	2.7
155°	5.5	5.5	2.7	2.7	2.7	0.0	2.7	2.7	2.7	5.5	8.2
157.5°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	0.0	0.0	2.7
160°	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7	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°	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1	788.1
2.5°	779.9	779.9	777.2	777.2	769.0	766.3	730.8	692.7	662.7	665.4	665.4
5°	771.7	766.3	758.1	703.6	635.4	624.5	624.5	619.0	616.3	619.0	619.0
7.5°	673.6	668.1	635.4	608.1	610.9	605.4	594.5	591.8	545.4	499.0	496.3
10°	580.9	572.7	485.4	466.3	463.6	482.7	529.0	512.7	496.3	477.2	485.4
12.5°	485.4	482.7	403.6	447.2	390.0	400.9	411.8	395.4	338.2	272.7	280.9
15°	561.8	553.6	458.1	370.9	332.7	335.4	220.9	212.7	171.8	155.4	147.3
17.5°	417.2	458.1	400.9	370.9	335.4	174.5	141.8	109.1	98.2	79.1	81.8
20°	559.0	548.1	458.1	346.3	259.1	147.3	79.1	62.7	76.4	79.1	79.1
22.5°	395.4	384.5	387.2	368.1	182.7	84.5	60.0	62.7	57.3	54.5	54.5
25°	580.9	561.8	469.0	280.9	136.4	54.5	57.3	43.6	51.8	51.8	51.8
27.5°	706.3	640.8	493.6	272.7	76.4	54.5	40.9	43.6	35.5	35.5	35.5
30°	845.4	807.2	646.3	253.6	60.0	43.6	38.2	30.0	32.7	32.7	32.7
32.5°	908.1	856.3	646.3	201.8	51.8	40.9	30.0	27.3	27.3	30.0	30.0
35°	998.1	943.5	643.6	133.6	43.6	32.7	24.5	24.5	24.5	24.5	24.5
37.5°	1134.4	1055.4	654.5	84.5	35.5	27.3	19.1	21.8	21.8	46.4	46.4
40°	1287.2	1197.2	624.5	60.0	30.0	21.8	16.4	27.3	38.2	40.9	40.9
42.5°	1480.8	1382.6	580.9	51.8	27.3	16.4	13.6	21.8	32.7	51.8	51.8
45°	1712.6	1565.3	520.9	46.4	21.8	13.6	13.6	27.3	40.9	49.1	49.1
47.5°	1919.8	1742.6	417.2	43.6	19.1	10.9	19.1	30.0	35.5	57.3	57.3
50°	2162.5	1928.0	319.1	38.2	16.4	10.9	30.0	32.7	40.9	51.8	51.8
52.5°	2342.5	2083.4	242.7	35.5	16.4	8.2	30.0	30.0	46.4	60.0	60.0
55°	2487.0	2168.0	174.5	30.0	13.6	8.2	35.5	38.2	40.9	46.4	46.4
57.5°	2598.9	2228.0	136.4	27.3	13.6	19.1	43.6	49.1	43.6	46.4	46.4
60°	2727.0	2258.0	100.9	24.5	10.9	19.1	51.8	65.4	49.1	70.9	68.2
62.5°	2844.3	2279.8	81.8	24.5	10.9	21.8	57.3	81.8	65.4	95.4	98.2
65°	2991.5	2307.1	68.2	19.1	10.9	30.0	68.2	109.1	87.3	125.4	130.9
67.5°	3089.7	2323.4	57.3	19.1	10.9	35.5	95.4	141.8	109.1	158.2	163.6
70°	3100.6	2263.4	46.4	19.1	10.9	54.5	130.9	171.8	136.4	201.8	204.5
72.5°	2958.8	2091.6	38.2	21.8	10.9	60.0	152.7	199.1	160.9	267.2	270.0
75°	2391.6	1467.1	35.5	21.8	10.9	76.4	166.3	218.2	180.0	278.2	283.6
77.5°	1469.9	679.0	32.7	24.5	16.4	84.5	169.1	231.8	188.2	278.2	286.3
80°	569.9	335.4	30.0	27.3	38.2	95.4	182.7	234.5	188.2	259.1	270.0
82.5°	264.5	196.3	30.0	30.0	49.1	98.2	180.0	218.2	174.5	231.8	229.1
85°	237.3	193.6	32.7	32.7	51.8	84.5	141.8	185.4	150.0	182.7	182.7
87.5°	231.8	190.9	35.5	40.9	51.8	49.1	109.1	158.2	128.2	136.4	136.4
90°	237.3	199.1	38.2	46.4	43.6	27.3	87.3	130.9	98.2	87.3	84.5
92.5°	253.6	201.8	46.4	54.5	40.9	21.8	73.6	106.4	70.9	57.3	54.5
95°	267.2	207.3	57.3	65.4	43.6	19.1	65.4	84.5	51.8	35.5	32.7
97.5°	223.6	160.9	65.4	70.9	43.6	19.1	57.3	68.2	40.9	19.1	19.1
100°	95.4	70.9	68.2	76.4	40.9	16.4	49.1	54.5	27.3	8.2	10.9
102.5°	19.1	21.8	60.0	70.9	32.7	10.9	32.7	32.7	19.1	2.7	5.5
105°	19.1	16.4	38.2	60.0	19.1	5.5	13.6	19.1	8.2	2.7	2.7
107.5°	19.1	19.1	13.6	30.0	8.2	5.5	5.5	8.2	5.5	2.7	2.7
110°	21.8	19.1	5.5	8.2	5.5	5.5	5.5	5.5	2.7	13.6	16.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	24.5	5.5	8.2	8.2	5.5	2.7	2.7	5.5	19.1	21.8
115°	24.5	21.8	8.2	8.2	5.5	5.5	2.7	2.7	5.5	21.8	24.5
117.5°	19.1	19.1	8.2	5.5	5.5	5.5	2.7	2.7	5.5	21.8	21.8
120°	21.8	19.1	8.2	5.5	2.7	2.7	2.7	2.7	5.5	16.4	16.4
122.5°	21.8	19.1	8.2	5.5	2.7	2.7	2.7	2.7	5.5	16.4	19.1
125°	19.1	16.4	8.2	5.5	2.7	2.7	2.7	2.7	8.2	16.4	16.4
127.5°	16.4	13.6	5.5	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
130°	10.9	10.9	5.5	2.7	2.7	2.7	2.7	2.7	8.2	10.9	10.9
132.5°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	5.5	10.9	10.9
135°	8.2	5.5	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
152.5°	2.7	2.7	5.5	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
155°	8.2	8.2	8.2	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.7	2.7	2.7	2.7	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)