

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: P560569

Luminaire Tested: **SDL-PA1-50-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4363.6 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

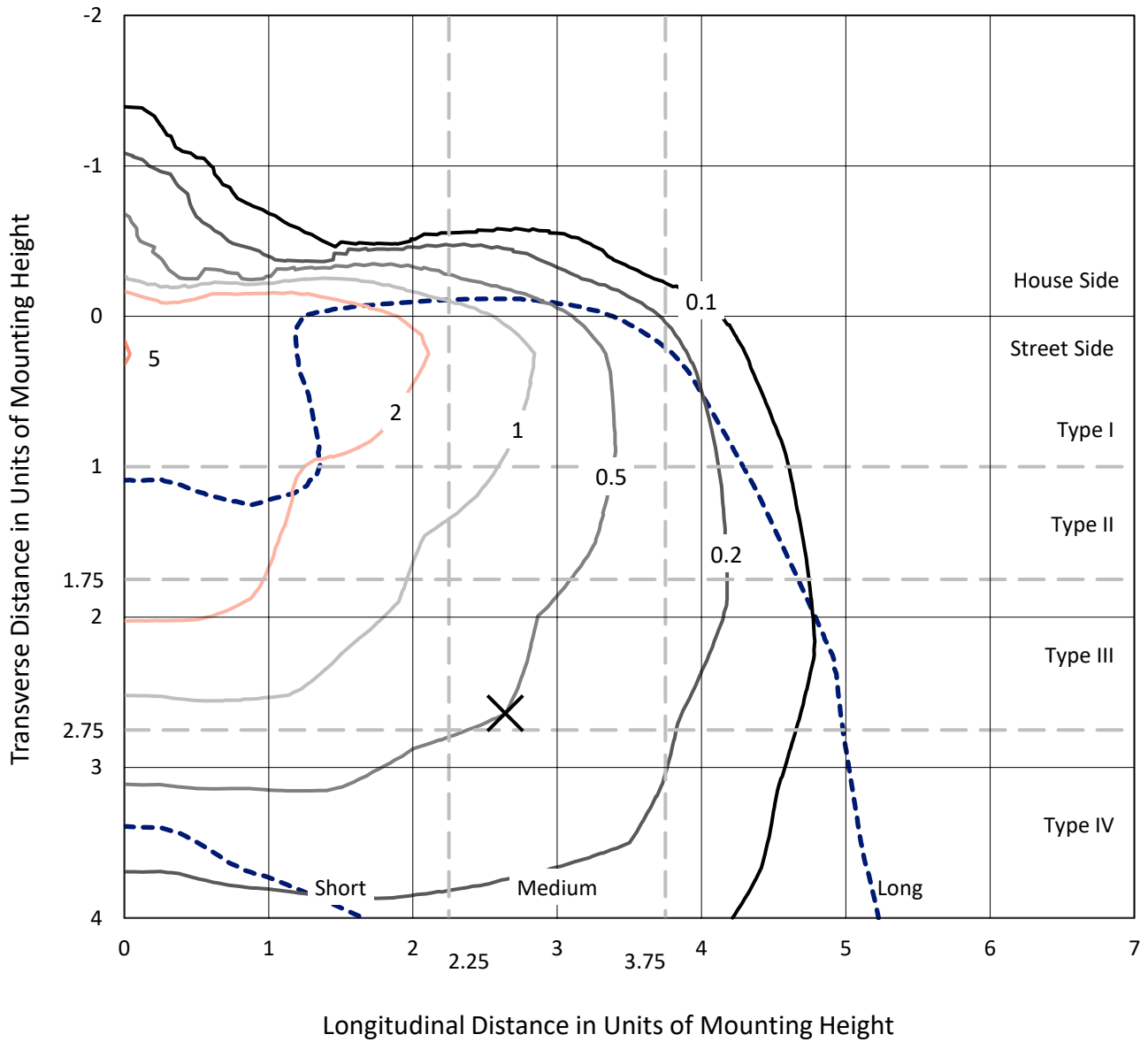
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

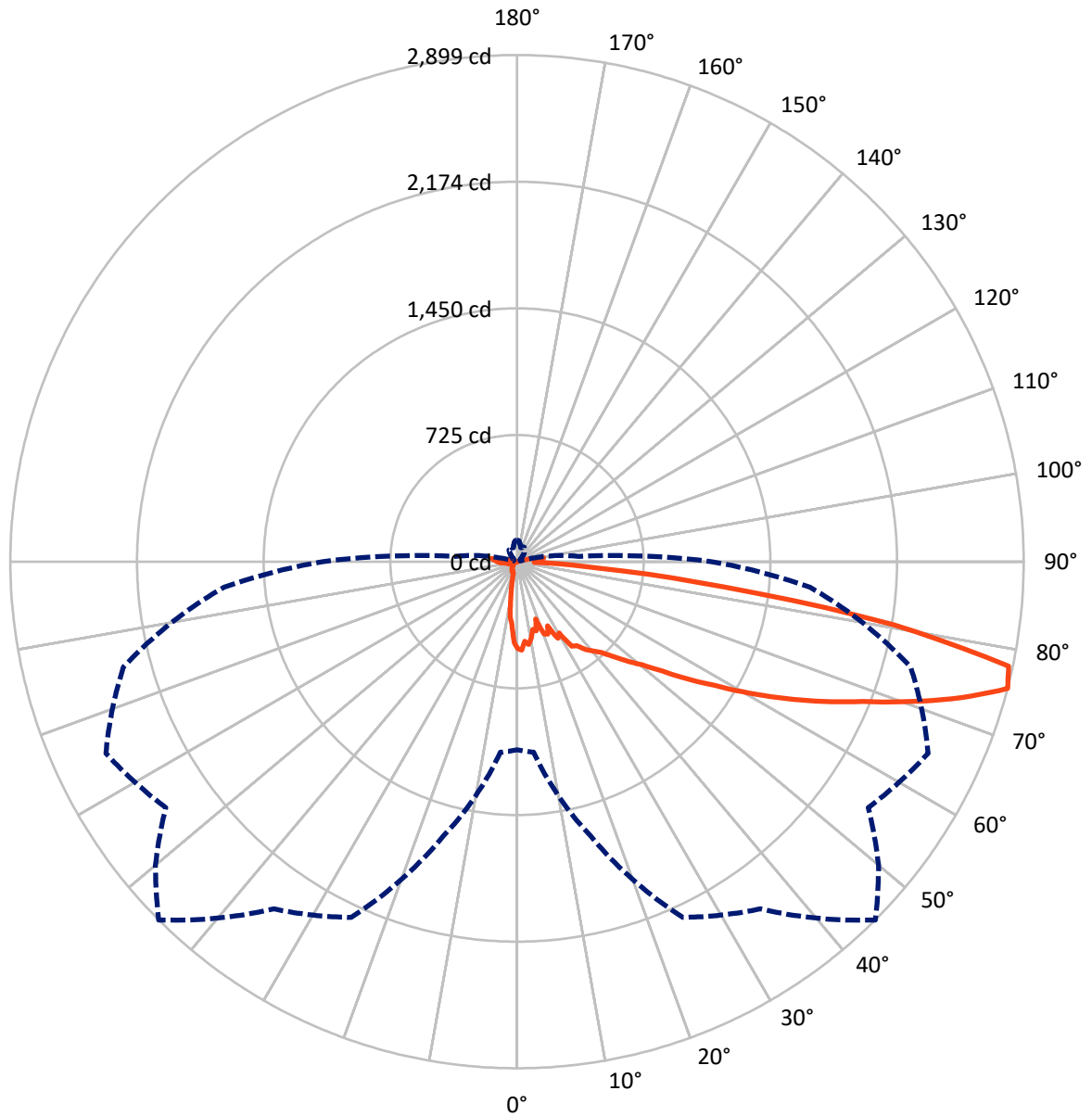
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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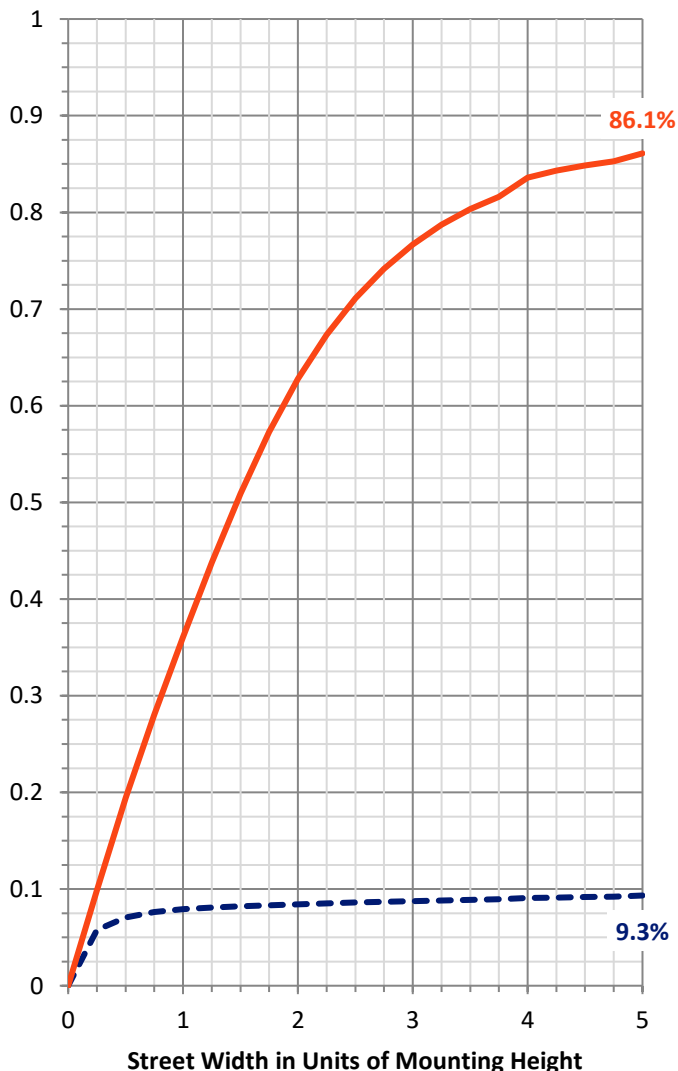
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	447.8	78.3	526.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3777.0	60.5	3837.5
	% Fixture	86.6	1.4	87.9
Total	Lumens	4224.7	138.8	4363.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.9
10°-20°	83.5	1.9
20°-30°	140.1	3.2
30°-40°	259.7	6.0
40°-50°	437.7	10.0
50°-60°	785.6	18.0
60°-70°	1179.6	27.0
70°-80°	1079.2	24.7
80°-90°	220.7	5.1
90°-100°	105.6	2.4
100°-110°	22.5	0.5
110°-120°	4.3	0.1
120°-130°	3.4	0.1
130°-140°	1.5	0.0
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4224.7	96.8
0°-180°	4363.6	100.0

Coefficient of Utilization



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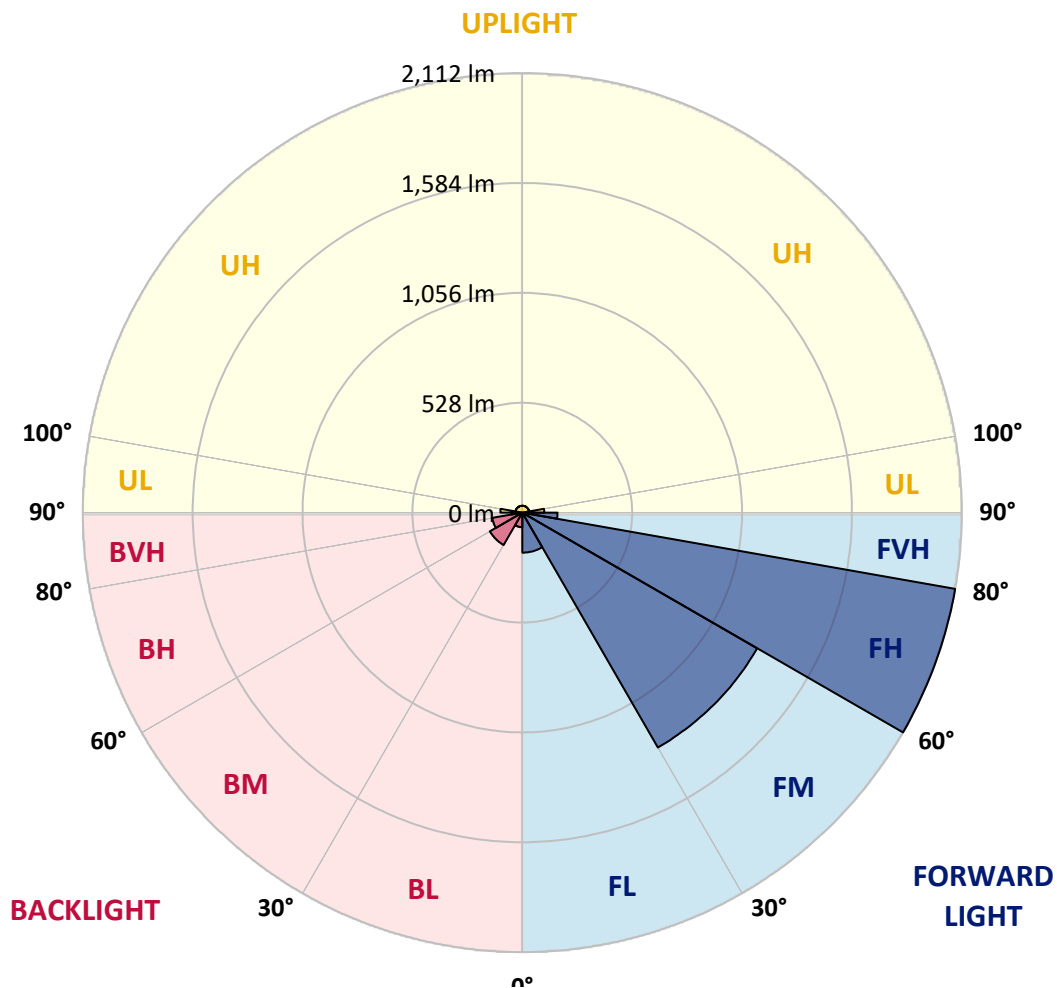
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.2	4.4			
FM (30°-60°)	1303.4	29.9			
FH (60°-80°)	2112.1	48.4			G2/5000
FVH (80°-90°)	169.2	3.9			G2/225
BL (0°-30°)	69.9	1.6	B0/110		
BM (30°-60°)	179.7	4.1	B0/220		
BH (60°-80°)	146.7	3.4	B1/500		G1/500
BVH (80°-90°)	51.5	1.2			G1/100
UL (90°-100°)	105.6	2.4		U3/500	
UH (100°-180°)	33.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2
2.5°	483.2	506.5	499.5	511.2	508.9	506.5	506.5	508.9	506.5	501.9	497.2
5°	492.5	485.5	480.9	478.5	469.2	457.5	452.8	448.2	497.2	497.2	487.9
7.5°	506.5	506.5	497.2	490.2	490.2	478.5	466.9	457.5	434.2	427.2	427.2
10°	539.2	534.5	527.5	513.5	443.5	445.8	420.2	368.8	345.5	354.8	368.8
12.5°	546.2	543.9	534.5	532.2	466.9	396.8	329.1	368.8	352.5	294.1	326.8
15°	585.9	581.2	562.6	529.9	399.2	410.8	382.8	329.1	315.1	359.5	385.2
17.5°	499.5	499.5	560.2	513.5	434.2	345.5	343.1	382.8	345.5	322.1	319.8
20°	613.9	613.9	588.2	420.2	445.8	441.2	354.8	401.5	338.5	382.8	408.5
22.5°	511.2	508.9	527.5	520.5	427.2	450.5	364.1	366.5	403.8	345.5	296.5
25°	623.2	623.2	609.2	452.8	485.5	406.2	415.5	438.8	359.5	436.5	441.2
27.5°	536.9	534.5	508.9	518.2	452.8	497.2	378.2	413.2	441.2	471.5	518.2
30°	655.9	660.6	648.9	492.5	504.2	473.9	450.5	478.5	534.5	627.9	658.3
32.5°	810.0	814.7	690.9	592.9	506.5	576.6	483.2	527.5	613.9	658.3	690.9
35°	901.0	866.0	812.3	662.9	546.2	590.6	555.6	562.6	639.6	709.6	733.0
37.5°	978.1	931.4	868.3	683.9	576.6	637.3	578.9	588.2	693.3	756.3	786.6
40°	1003.7	975.7	940.7	730.6	613.9	672.3	606.9	627.9	744.6	817.0	863.7
42.5°	1066.8	1069.1	1048.1	796.0	653.6	709.6	653.6	667.6	812.3	901.0	968.7
45°	1234.8	1239.5	1216.2	908.0	702.6	775.0	728.3	735.3	889.4	1029.4	1115.8
47.5°	1449.6	1433.2	1409.9	1057.4	777.3	849.7	814.7	807.7	980.4	1197.5	1274.5
50°	1666.7	1636.3	1587.3	1262.8	905.7	926.7	903.4	898.7	1090.1	1370.2	1454.2
52.5°	1893.1	1869.7	1767.0	1456.6	1097.1	1038.7	1013.1	1038.7	1232.5	1561.6	1638.7
55°	2012.1	1988.8	1923.4	1664.3	1281.5	1183.5	1139.1	1185.8	1451.9	1741.4	1841.7
57.5°	2110.2	2103.2	2072.8	1881.4	1505.6	1337.5	1293.2	1337.5	1627.0	1909.4	2028.5
60°	2250.2	2222.2	2250.2	2091.5	1722.7	1526.6	1465.9	1512.6	1841.7	2056.5	2233.9
62.5°	2350.6	2343.6	2399.6	2327.3	1904.8	1725.0	1636.3	1680.7	2030.8	2212.9	2437.0
65°	2243.2	2278.2	2502.3	2481.3	2110.2	1928.1	1834.7	1820.7	2184.9	2381.0	2654.1
67.5°	2051.8	2075.2	2402.0	2560.7	2289.9	2133.5	2021.5	1956.1	2327.3	2532.7	2826.8
70°	1869.7	1897.8	2196.5	2565.4	2376.3	2397.3	2240.9	2119.5	2469.7	2703.1	2864.1
72.5°	1725.0	1750.7	2019.1	2509.3	2406.6	2661.1	2481.3	2292.3	2607.4	2707.8	2502.3
75°	1076.1	1094.8	1624.7	2245.6	2425.3	2899.2	2700.7	2453.3	2595.7	2331.9	1683.0
77.5°	331.5	338.5	695.6	1482.3	2107.8	2875.8	2663.4	2306.3	2175.5	1479.9	768.0
80°	114.4	116.7	179.7	527.5	1260.5	2182.5	2030.8	1697.0	1300.2	546.2	289.4
82.5°	53.7	58.4	84.0	177.4	513.5	1192.8	1199.8	1008.4	546.2	242.8	196.1
85°	18.7	18.7	35.0	77.0	198.4	459.9	436.5	406.2	287.1	219.4	182.1
87.5°	7.0	7.0	11.7	21.0	49.0	98.0	123.7	151.7	151.7	154.1	184.4
90°	7.0	7.0	4.7	4.7	35.0	102.7	123.7	137.7	126.1	140.1	200.7
92.5°	7.0	7.0	4.7	4.7	37.3	119.0	137.7	149.4	133.1	149.4	221.8
95°	7.0	7.0	4.7	4.7	42.0	144.7	161.1	158.7	133.1	156.4	238.1
97.5°	9.3	9.3	4.7	2.3	37.3	154.1	172.7	168.1	114.4	119.0	186.7
100°	9.3	9.3	4.7	2.3	23.3	114.4	137.7	135.4	74.7	18.7	53.7
102.5°	9.3	9.3	4.7	2.3	4.7	53.7	65.4	67.7	44.4	7.0	9.3
105°	11.7	11.7	4.7	2.3	2.3	9.3	21.0	28.0	16.3	4.7	9.3
107.5°	11.7	11.7	4.7	2.3	2.3	4.7	4.7	7.0	7.0	4.7	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	9.3	9.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	4.7	11.7
115°	4.7	4.7	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.7	9.3
117.5°	2.3	2.3	0.0	2.3	0.0	2.3	2.3	2.3	4.7	4.7	11.7
120°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	7.0	14.0
122.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	7.0	14.0
125°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	7.0	14.0
127.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	7.0	11.7
130°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	4.7	9.3
132.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	4.7	7.0
135°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	4.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	7.0	7.0	4.7	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3
152.5°	4.7	4.7	7.0	2.3	0.0	0.0	2.3	2.3	4.7	2.3	2.3
155°	4.7	4.7	2.3	0.0	0.0	0.0	0.0	2.3	2.3	4.7	4.7
157.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
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°	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2	497.2
2.5°	492.5	490.2	483.2	478.5	471.5	464.5	429.5	408.5	406.2	403.8	406.2
5°	483.2	476.2	464.5	410.8	385.2	361.8	354.8	350.1	338.5	338.5	340.8
7.5°	417.8	413.2	375.8	359.5	338.5	317.5	298.8	284.8	249.8	238.1	233.4
10°	366.5	357.1	291.8	259.1	238.1	214.8	214.8	196.1	186.7	179.7	177.4
12.5°	317.5	310.5	256.8	235.8	177.4	154.1	142.4	130.7	123.7	119.0	116.7
15°	371.1	359.5	275.4	189.1	130.7	109.7	86.4	84.0	105.0	109.7	112.0
17.5°	296.5	303.5	245.1	165.7	107.4	67.7	74.7	88.7	100.4	100.4	98.0
20°	394.5	378.2	266.1	133.1	77.0	67.7	72.4	65.4	93.4	100.4	100.4
22.5°	287.1	273.1	219.4	123.7	60.7	65.4	60.7	77.0	86.4	77.0	79.4
25°	427.2	406.2	254.4	86.4	63.0	56.0	70.0	60.7	84.0	91.0	93.4
27.5°	529.9	459.9	249.8	81.7	56.0	63.0	58.4	70.0	67.7	72.4	72.4
30°	632.6	592.9	282.4	74.7	56.0	53.7	60.7	60.7	77.0	84.0	84.0
32.5°	676.9	630.3	247.4	72.4	56.0	53.7	53.7	65.4	72.4	86.4	86.4
35°	723.6	660.6	207.7	67.7	53.7	51.4	51.4	65.4	77.0	86.4	88.7
37.5°	786.6	693.3	168.1	65.4	51.4	49.0	44.4	58.4	81.7	91.0	93.4
40°	866.0	740.0	130.7	60.7	46.7	44.4	42.0	58.4	70.0	81.7	81.7
42.5°	989.7	791.3	102.7	58.4	44.4	39.7	39.7	49.0	67.7	77.0	77.0
45°	1115.8	852.0	86.4	56.0	42.0	37.3	37.3	49.0	51.4	65.4	65.4
47.5°	1255.8	912.7	79.4	53.7	42.0	32.7	32.7	44.4	44.4	60.7	63.0
50°	1400.6	964.1	74.7	51.4	37.3	30.3	37.3	30.3	37.3	58.4	63.0
52.5°	1526.6	1006.1	70.0	46.7	35.0	28.0	35.0	30.3	37.3	53.7	53.7
55°	1655.0	1029.4	67.7	44.4	32.7	23.3	35.0	32.7	35.0	49.0	49.0
57.5°	1769.4	1036.4	65.4	44.4	28.0	21.0	32.7	39.7	30.3	39.7	44.4
60°	1872.1	1029.4	58.4	39.7	21.0	21.0	35.0	46.7	42.0	46.7	46.7
62.5°	1967.8	1003.7	46.7	32.7	16.3	21.0	44.4	51.4	39.7	49.0	53.7
65°	2049.5	968.7	35.0	25.7	11.7	23.3	46.7	58.4	46.7	56.0	60.7
67.5°	2086.8	922.0	28.0	21.0	11.7	25.7	49.0	65.4	53.7	63.0	67.7
70°	2023.8	826.3	23.3	21.0	9.3	30.3	51.4	70.0	60.7	79.4	81.7
72.5°	1680.7	648.9	21.0	21.0	16.3	37.3	65.4	79.4	74.7	107.4	105.0
75°	1113.4	354.8	21.0	18.7	21.0	44.4	79.4	93.4	81.7	121.4	121.4
77.5°	513.5	156.4	18.7	21.0	23.3	49.0	91.0	112.0	93.4	137.7	135.4
80°	224.1	95.7	18.7	18.7	25.7	53.7	102.7	126.1	102.7	151.7	151.7
82.5°	168.1	86.4	16.3	18.7	35.0	60.7	119.0	140.1	114.4	163.4	161.1
85°	156.4	81.7	18.7	21.0	39.7	77.0	140.1	151.7	119.0	168.1	168.1
87.5°	158.7	79.4	18.7	21.0	53.7	98.0	158.7	163.4	130.7	177.4	177.4
90°	163.4	81.7	21.0	23.3	60.7	107.4	177.4	175.1	147.1	186.7	186.7
92.5°	175.1	81.7	23.3	25.7	65.4	119.0	193.7	179.7	158.7	193.7	189.1
95°	182.1	81.7	25.7	28.0	77.0	130.7	205.4	175.1	168.1	179.7	175.1
97.5°	135.4	60.7	30.3	32.7	79.4	147.1	189.1	149.4	109.7	107.4	109.7
100°	44.4	21.0	32.7	35.0	51.4	102.7	140.1	107.4	58.4	44.4	44.4
102.5°	11.7	11.7	30.3	32.7	28.0	44.4	81.7	70.0	39.7	2.3	4.7
105°	11.7	9.3	18.7	25.7	16.3	11.7	32.7	39.7	30.3	2.3	2.3
107.5°	11.7	9.3	9.3	14.0	4.7	4.7	9.3	9.3	9.3	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	9.3	4.7	4.7	4.7	2.3	2.3	2.3	2.3	7.0	9.3
115°	11.7	9.3	2.3	4.7	2.3	2.3	2.3	2.3	4.7	9.3	11.7
117.5°	11.7	9.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	11.7	14.0
120°	14.0	11.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	14.0	14.0
122.5°	14.0	11.7	2.3	2.3	2.3	2.3	0.0	2.3	7.0	14.0	14.0
125°	14.0	11.7	2.3	2.3	2.3	0.0	0.0	2.3	7.0	14.0	16.3
127.5°	11.7	9.3	2.3	2.3	2.3	0.0	0.0	2.3	4.7	11.7	14.0
130°	9.3	7.0	2.3	2.3	2.3	0.0	0.0	0.0	4.7	11.7	11.7
132.5°	7.0	4.7	2.3	2.3	2.3	0.0	0.0	0.0	4.7	9.3	9.3
135°	4.7	4.7	2.3	2.3	2.3	0.0	0.0	0.0	2.3	7.0	7.0
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	4.7	4.7	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	0.0	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

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110° | 11.7 11.7 4.7 4.7 2.3 2.3 2.3 2.3 4.7 4.7 11.7

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110°	11.7	9.3	4.7	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7
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