

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: P560869

Luminaire Tested: **SDL-PA1-70-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560869
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-PA1-70-727-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 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: 4831.4 lumens
Efficiency: N/A
Efficacy: 66.9 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

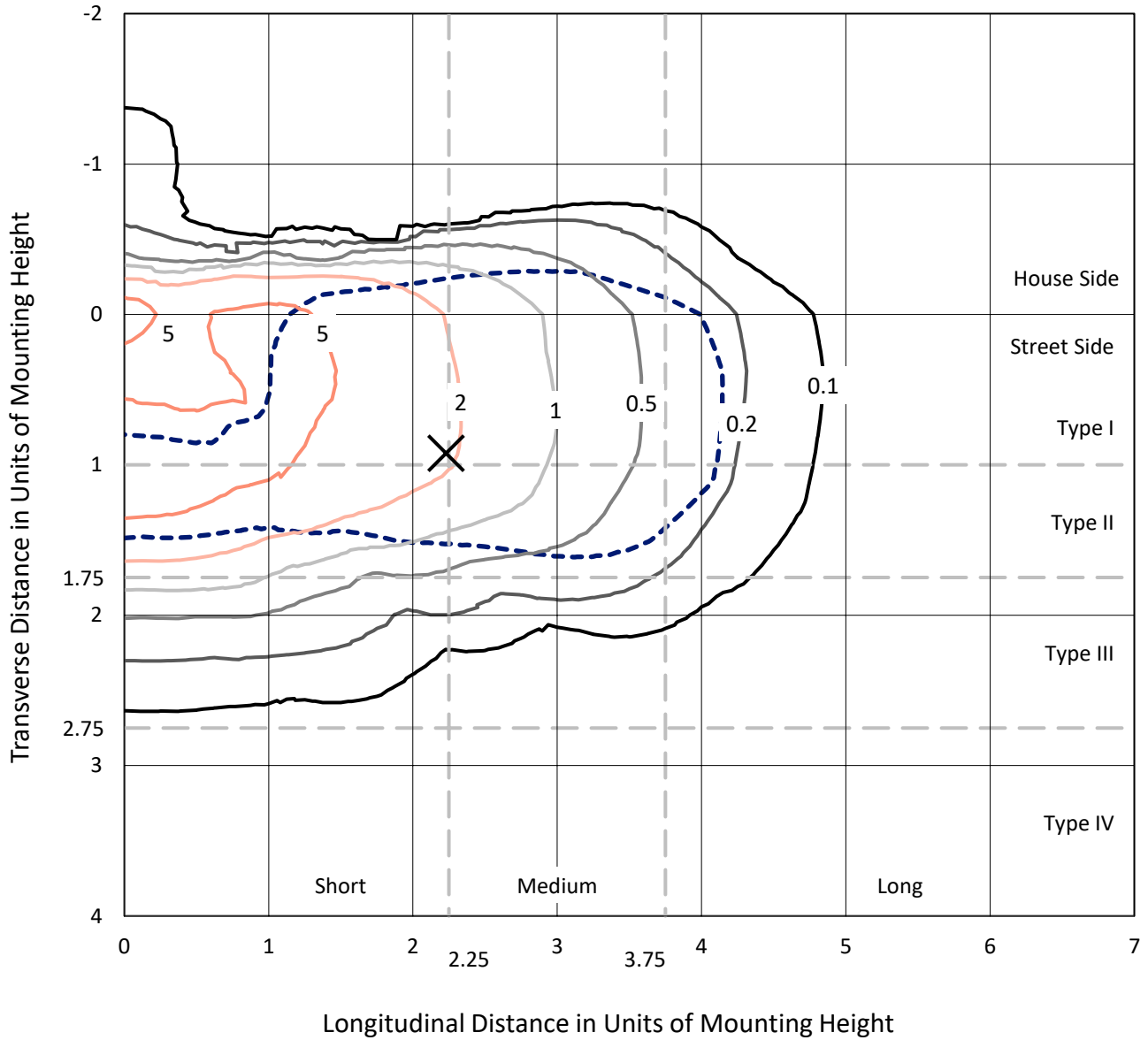
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

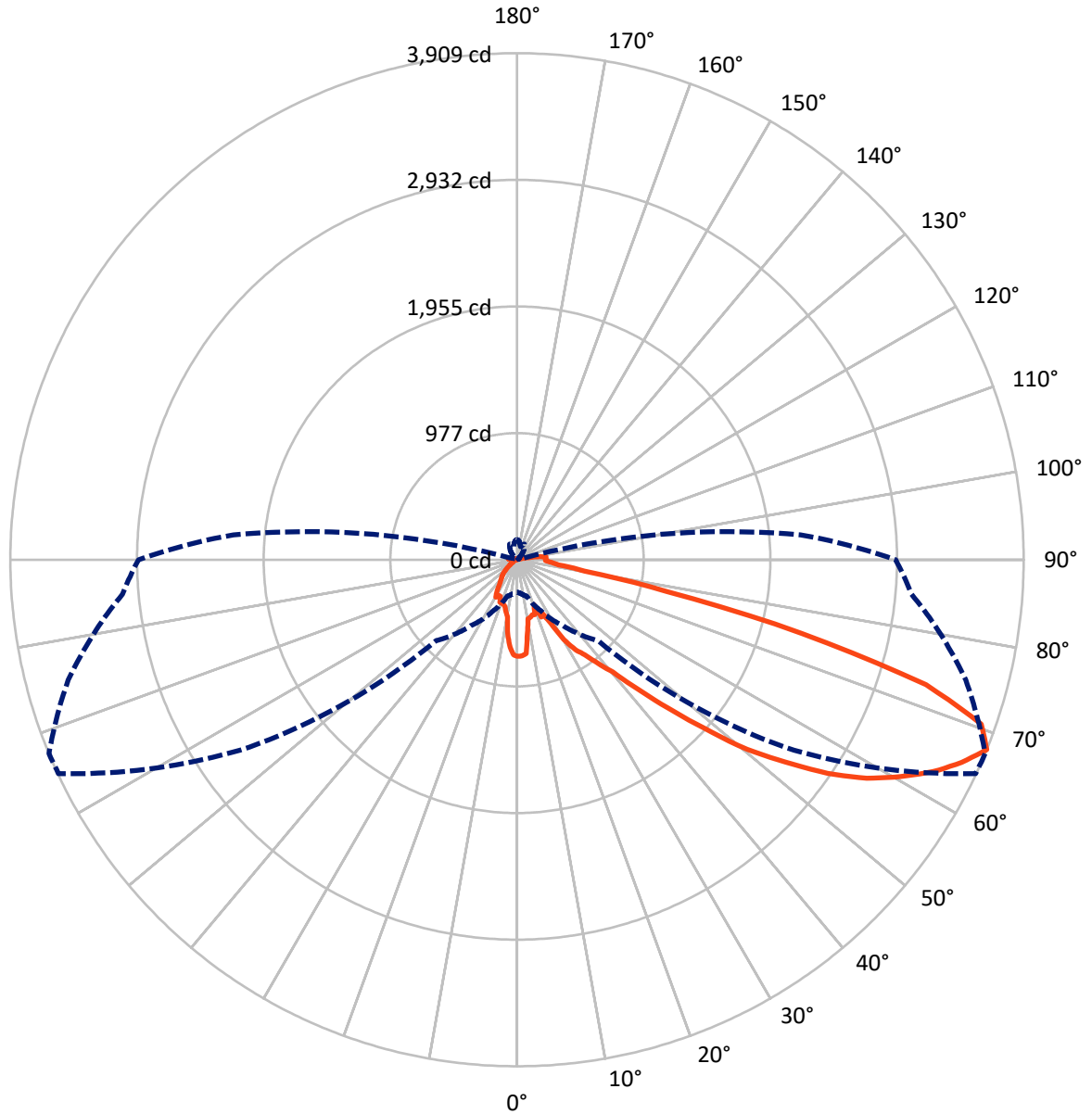
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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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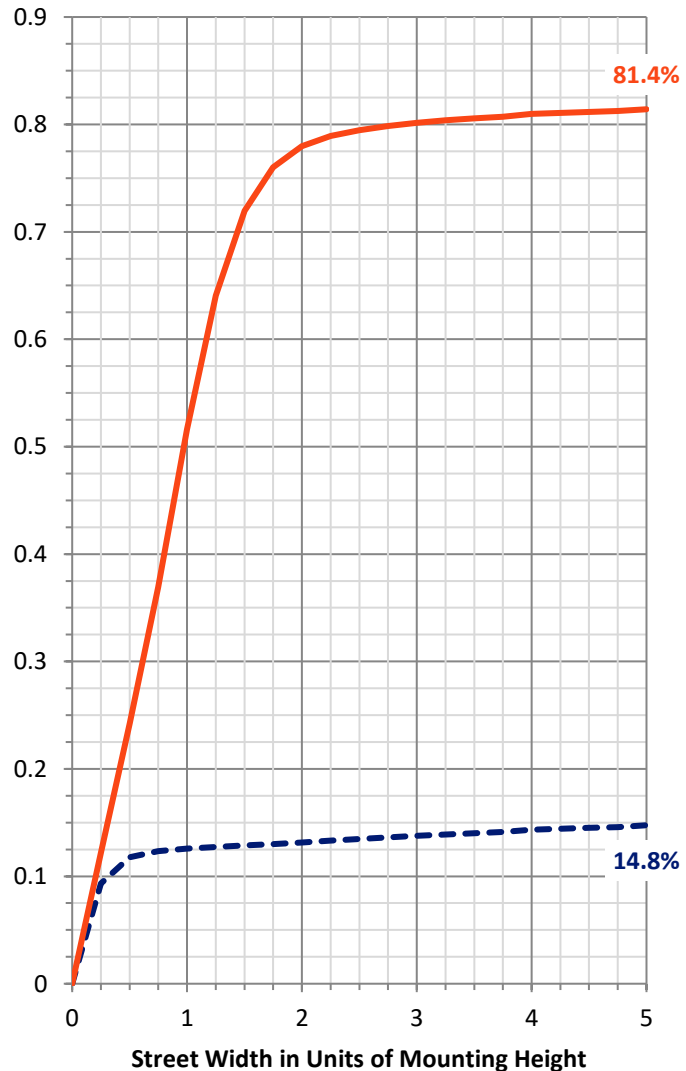
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	756.0	56.4	812.4
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3959.0	60.0	4019.0
	% Fixture	81.9	1.2	83.2
Total	Lumens	4715.0	116.3	4831.4
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.2
10°-20°	109.2	2.3
20°-30°	164.8	3.4
30°-40°	379.5	7.9
40°-50°	845.9	17.5
50°-60°	1258.7	26.1
60°-70°	1122.6	23.2
70°-80°	630.1	13.0
80°-90°	147.1	3.0
90°-100°	80.8	1.7
100°-110°	18.6	0.4
110°-120°	7.3	0.2
120°-130°	4.9	0.1
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4715.0	97.6
0°-180°	4831.4	100.0

Coefficient of Utilization



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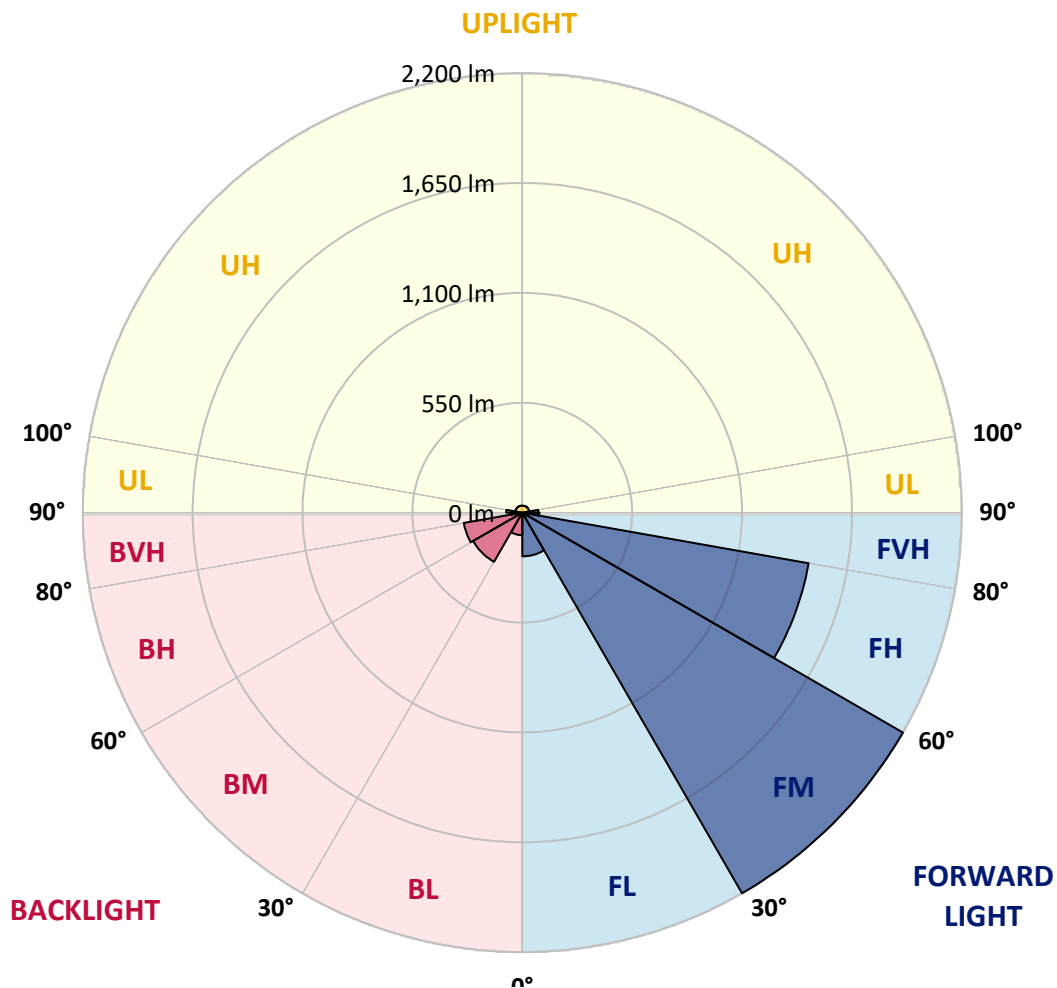
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.6	4.5			
FM (30°-60°)	2199.8	45.5			
FH (60°-80°)	1455.2	30.1			G1/1800
FVH (80°-90°)	85.4	1.8			G1/100
BL (0°-30°)	112.7	2.3	B1/500		
BM (30°-60°)	284.2	5.9	B1/1000		
BH (60°-80°)	297.5	6.2	B1/500		G1/500
BVH (80°-90°)	61.7	1.3			G1/100
UL (90°-100°)	80.8	1.7		U3/500	
UH (100°-180°)	35.5	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°	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3
2.5°	631.8	667.9	706.6	732.4	737.5	745.3	745.3	742.7	742.7	740.1	740.1
5°	613.7	611.2	613.7	618.9	616.3	616.3	616.3	719.5	727.2	732.4	732.4
7.5°	528.6	541.5	582.8	598.3	603.4	608.6	608.6	600.9	572.5	634.4	642.1
10°	575.1	572.5	572.5	577.6	539.0	523.5	471.9	464.2	464.2	484.8	551.9
12.5°	482.2	510.6	549.3	564.8	520.9	461.6	448.7	459.0	456.4	399.7	466.8
15°	546.7	546.7	541.5	531.2	410.0	459.0	386.8	386.8	441.0	474.5	533.8
17.5°	443.5	456.4	520.9	513.2	451.3	345.6	451.3	415.2	446.1	417.8	448.7
20°	544.1	541.5	544.1	415.2	459.0	474.5	451.3	404.9	368.8	484.8	536.4
22.5°	448.7	443.5	469.3	513.2	433.2	492.5	412.6	492.5	479.7	430.7	386.8
25°	580.2	577.6	582.8	453.9	508.0	441.0	508.0	441.0	461.6	551.9	564.8
27.5°	523.5	520.9	513.2	554.4	482.2	557.0	479.7	539.0	554.4	598.3	693.7
30°	737.5	727.2	701.4	557.0	567.3	536.4	567.3	662.7	714.3	802.0	830.4
32.5°	1075.3	1021.2	851.0	737.5	600.9	686.0	642.1	778.8	827.8	871.6	894.8
35°	1390.0	1366.8	1243.0	974.8	732.4	758.2	724.6	871.6	900.0	992.8	987.7
37.5°	1820.6	1781.9	1591.1	1258.4	920.6	910.3	825.2	992.8	1013.5	1147.6	1121.8
40°	2143.0	2112.0	1962.4	1562.7	1170.8	1080.5	964.5	1160.4	1137.2	1317.8	1281.7
42.5°	2452.4	2434.4	2318.3	1910.9	1446.7	1343.5	1108.9	1366.8	1361.6	1518.9	1488.0
45°	2702.6	2681.9	2607.1	2222.9	1763.9	1766.5	1335.8	1593.7	1629.8	1779.4	1699.4
47.5°	2849.5	2805.7	2751.6	2470.5	2083.6	2171.3	1671.0	1851.6	1939.2	2068.2	1947.0
50°	2816.0	2772.2	2777.3	2627.8	2377.6	2519.5	2029.5	2124.9	2300.3	2400.8	2161.0
52.5°	2547.8	2522.0	2607.1	2599.4	2527.2	2839.2	2447.3	2421.5	2594.2	2661.3	2380.2
55°	2166.2	2130.1	2290.0	2403.4	2527.2	3037.8	2834.1	2751.6	2908.9	2898.5	2529.8
57.5°	1645.3	1658.2	1838.7	2016.6	2320.9	3076.5	3120.3	3110.0	3182.2	3094.5	2648.4
60°	1124.3	1132.1	1387.4	1588.5	1903.1	2872.8	3213.2	3406.6	3398.8	3259.6	2782.5
62.5°	706.6	704.0	897.4	1214.6	1369.3	2338.9	3177.0	3630.9	3602.5	3383.4	2885.6
65°	407.4	417.8	487.4	804.6	951.6	1596.3	2968.2	3850.1	3770.2	3494.2	2996.5
67.5°	250.1	257.9	291.4	435.8	621.5	881.9	2524.6	3904.3	3909.4	3584.5	3055.8
70°	211.5	214.0	229.5	268.2	433.2	495.1	1699.4	3651.5	3801.1	3605.1	3037.8
72.5°	177.9	180.5	203.7	234.7	322.3	350.7	763.3	3017.2	3300.8	3447.8	2906.3
75°	131.5	134.1	167.6	214.0	234.7	281.1	417.8	1998.5	2266.7	2725.8	2478.2
77.5°	85.1	87.7	118.6	172.8	198.6	221.8	337.8	933.5	1181.1	1575.6	1565.3
80°	56.7	56.7	69.6	121.2	157.3	180.5	294.0	461.6	526.1	649.9	608.6
82.5°	36.1	36.1	43.8	74.8	100.6	180.5	275.9	330.1	319.8	324.9	288.8
85°	15.5	15.5	23.2	41.3	54.2	118.6	247.6	283.7	270.8	270.8	257.9
87.5°	5.2	5.2	7.7	12.9	18.1	36.1	190.8	226.9	219.2	226.9	245.0
90°	5.2	5.2	2.6	5.2	5.2	25.8	154.7	224.4	219.2	229.5	252.7
92.5°	7.7	7.7	2.6	2.6	5.2	20.6	121.2	232.1	224.4	239.8	263.0
95°	12.9	12.9	5.2	2.6	7.7	18.1	74.8	206.3	224.4	237.2	268.2
97.5°	15.5	15.5	5.2	5.2	7.7	15.5	38.7	167.6	172.8	180.5	211.5
100°	20.6	20.6	5.2	5.2	5.2	12.9	20.6	87.7	90.3	64.5	103.2
102.5°	20.6	20.6	5.2	5.2	5.2	7.7	10.3	38.7	36.1	12.9	12.9
105°	23.2	23.2	7.7	5.2	5.2	5.2	5.2	12.9	12.9	7.7	15.5
107.5°	23.2	23.2	7.7	7.7	5.2	5.2	2.6	5.2	7.7	7.7	15.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	12.9	12.9	5.2	7.7	5.2	2.6	2.6	2.6	5.2	10.3	25.8
115°	5.2	5.2	2.6	5.2	2.6	2.6	2.6	5.2	5.2	7.7	20.6
117.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	2.6	7.7	18.1
120°	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6	2.6	10.3	18.1
122.5°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	10.3	18.1
125°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	7.7	15.5
127.5°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	5.2	15.5
130°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	5.2	10.3
132.5°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	5.2	7.7
135°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6	5.2
137.5°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6	2.6
140°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	5.2	5.2	2.6	0.0	5.2	2.6	2.6	2.6	2.6
152.5°	5.2	5.2	5.2	5.2	2.6	0.0	2.6	5.2	2.6	2.6	2.6
155°	5.2	5.2	2.6	2.6	2.6	0.0	2.6	2.6	2.6	5.2	7.7
157.5°	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6	0.0	0.0	2.6
160°	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6	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°	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3	745.3
2.5°	737.5	737.5	735.0	735.0	727.2	724.6	691.1	655.0	626.6	629.2	629.2
5°	729.8	724.6	716.9	665.3	600.9	590.5	590.5	585.4	582.8	585.4	585.4
7.5°	637.0	631.8	600.9	575.1	577.6	572.5	562.2	559.6	515.8	471.9	469.3
10°	549.3	541.5	459.0	441.0	438.4	456.4	500.3	484.8	469.3	451.3	459.0
12.5°	459.0	456.4	381.7	422.9	368.8	379.1	389.4	373.9	319.8	257.9	265.6
15°	531.2	523.5	433.2	350.7	314.6	317.2	208.9	201.1	162.5	147.0	139.3
17.5°	394.6	433.2	379.1	350.7	317.2	165.0	134.1	103.2	92.8	74.8	77.4
20°	528.6	518.3	433.2	327.5	245.0	139.3	74.8	59.3	72.2	74.8	74.8
22.5°	373.9	363.6	366.2	348.1	172.8	79.9	56.7	59.3	54.2	51.6	51.6
25°	549.3	531.2	443.5	265.6	128.9	51.6	54.2	41.3	49.0	49.0	49.0
27.5°	667.9	606.0	466.8	257.9	72.2	51.6	38.7	41.3	33.5	33.5	33.5
30°	799.4	763.3	611.2	239.8	56.7	41.3	36.1	28.4	30.9	30.9	30.9
32.5°	858.7	809.7	611.2	190.8	49.0	38.7	28.4	25.8	25.8	28.4	28.4
35°	943.8	892.3	608.6	126.4	41.3	30.9	23.2	23.2	23.2	23.2	23.2
37.5°	1072.8	998.0	618.9	79.9	33.5	25.8	18.1	20.6	20.6	43.8	43.8
40°	1217.2	1132.1	590.5	56.7	28.4	20.6	15.5	25.8	36.1	38.7	38.7
42.5°	1400.3	1307.4	549.3	49.0	25.8	15.5	12.9	20.6	30.9	49.0	49.0
45°	1619.5	1480.2	492.5	43.8	20.6	12.9	12.9	25.8	38.7	46.4	46.4
47.5°	1815.5	1647.8	394.6	41.3	18.1	10.3	18.1	28.4	33.5	54.2	54.2
50°	2045.0	1823.2	301.7	36.1	15.5	10.3	28.4	30.9	38.7	49.0	49.0
52.5°	2215.2	1970.2	229.5	33.5	15.5	7.7	28.4	28.4	43.8	56.7	56.7
55°	2351.8	2050.1	165.0	28.4	12.9	7.7	33.5	36.1	38.7	43.8	43.8
57.5°	2457.6	2106.9	128.9	25.8	12.9	18.1	41.3	46.4	41.3	43.8	43.8
60°	2578.8	2135.2	95.4	23.2	10.3	18.1	49.0	61.9	46.4	67.0	64.5
62.5°	2689.7	2155.9	77.4	23.2	10.3	20.6	54.2	77.4	61.9	90.3	92.8
65°	2828.9	2181.6	64.5	18.1	10.3	28.4	64.5	103.2	82.5	118.6	123.8
67.5°	2921.8	2197.1	54.2	18.1	10.3	33.5	90.3	134.1	103.2	149.6	154.7
70°	2932.1	2140.4	43.8	18.1	10.3	51.6	123.8	162.5	128.9	190.8	193.4
72.5°	2798.0	1977.9	36.1	20.6	10.3	56.7	144.4	188.3	152.1	252.7	255.3
75°	2261.6	1387.4	33.5	20.6	10.3	72.2	157.3	206.3	170.2	263.0	268.2
77.5°	1390.0	642.1	30.9	23.2	15.5	79.9	159.9	219.2	177.9	263.0	270.8
80°	539.0	317.2	28.4	25.8	36.1	90.3	172.8	221.8	177.9	245.0	255.3
82.5°	250.1	185.7	28.4	28.4	46.4	92.8	170.2	206.3	165.0	219.2	216.6
85°	224.4	183.1	30.9	30.9	49.0	79.9	134.1	175.4	141.8	172.8	172.8
87.5°	219.2	180.5	33.5	38.7	49.0	46.4	103.2	149.6	121.2	128.9	128.9
90°	224.4	188.3	36.1	43.8	41.3	25.8	82.5	123.8	92.8	82.5	79.9
92.5°	239.8	190.8	43.8	51.6	38.7	20.6	69.6	100.6	67.0	54.2	51.6
95°	252.7	196.0	54.2	61.9	41.3	18.1	61.9	79.9	49.0	33.5	30.9
97.5°	211.5	152.1	61.9	67.0	41.3	18.1	54.2	64.5	38.7	18.1	18.1
100°	90.3	67.0	64.5	72.2	38.7	15.5	46.4	51.6	25.8	7.7	10.3
102.5°	18.1	20.6	56.7	67.0	30.9	10.3	30.9	30.9	18.1	2.6	5.2
105°	18.1	15.5	36.1	56.7	18.1	5.2	12.9	18.1	7.7	2.6	2.6
107.5°	18.1	18.1	12.9	28.4	7.7	5.2	5.2	7.7	5.2	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.8	23.2	5.2	7.7	7.7	5.2	2.6	2.6	5.2	18.1	20.6
115°	23.2	20.6	7.7	7.7	5.2	5.2	2.6	2.6	5.2	20.6	23.2
117.5°	18.1	18.1	7.7	5.2	5.2	5.2	2.6	2.6	5.2	20.6	20.6
120°	20.6	18.1	7.7	5.2	2.6	2.6	2.6	2.6	5.2	15.5	15.5
122.5°	20.6	18.1	7.7	5.2	2.6	2.6	2.6	2.6	5.2	15.5	18.1
125°	18.1	15.5	7.7	5.2	2.6	2.6	2.6	2.6	7.7	15.5	15.5
127.5°	15.5	12.9	5.2	2.6	2.6	2.6	2.6	2.6	7.7	12.9	12.9
130°	10.3	10.3	5.2	2.6	2.6	2.6	2.6	2.6	7.7	10.3	10.3
132.5°	7.7	7.7	5.2	2.6	2.6	2.6	2.6	2.6	5.2	10.3	10.3
135°	7.7	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	7.7	7.7
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
140°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
152.5°	2.6	2.6	5.2	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
155°	7.7	7.7	7.7	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6
157.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.6	2.6	2.6	2.6	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° | 18.1 18.1 7.7 7.7 5.2 2.6 2.6 2.6 5.2 7.7 18.1

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110°	20.6	18.1	5.2	7.7	5.2	5.2	5.2	5.2	2.6	12.9	15.5
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