

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: P561053

Luminaire Tested: **SDL-PA1-80-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561053
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-PA1-80-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA 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: 5292.3 lumens
Efficiency: N/A
Efficacy: 64.5 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

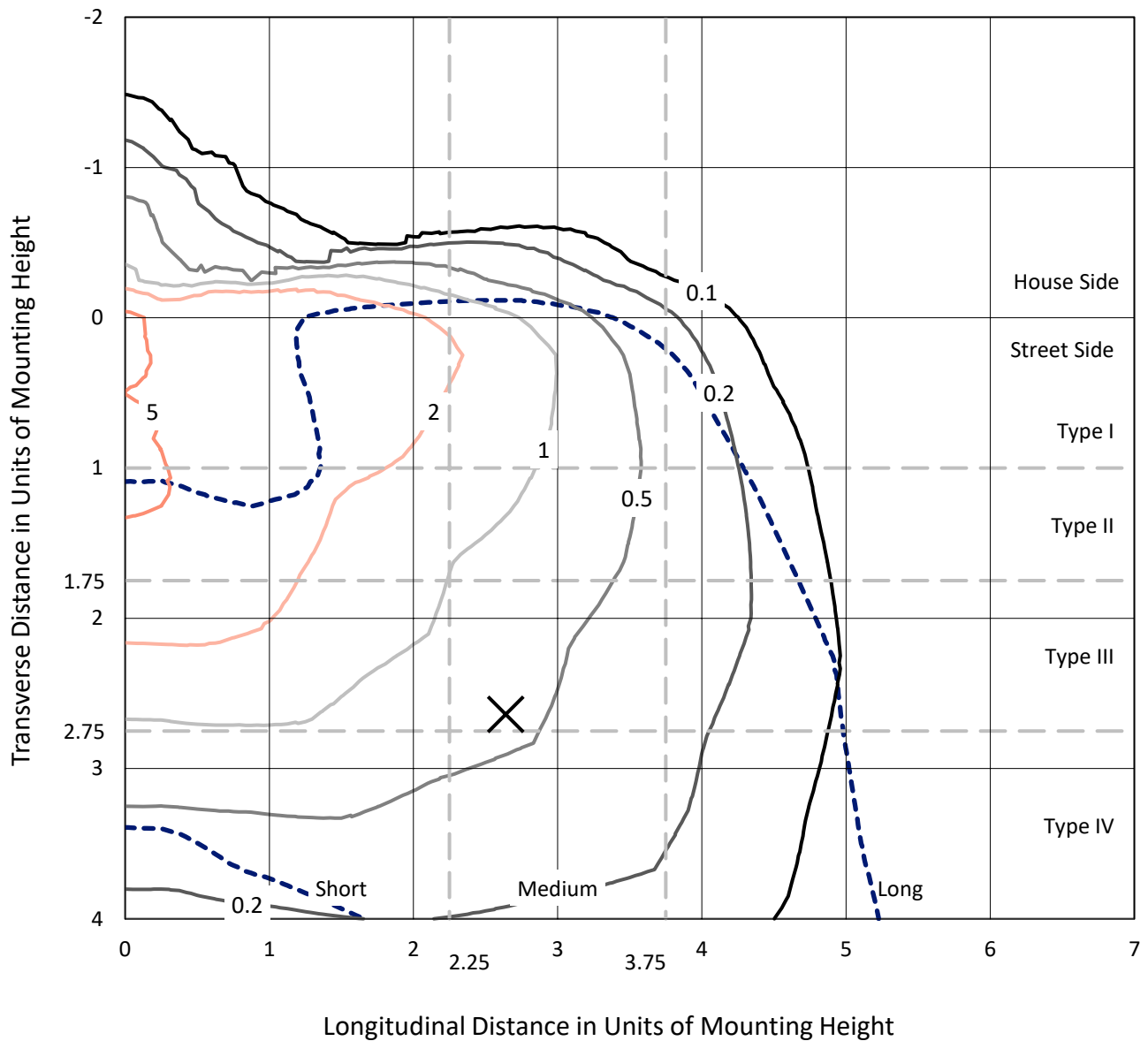
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

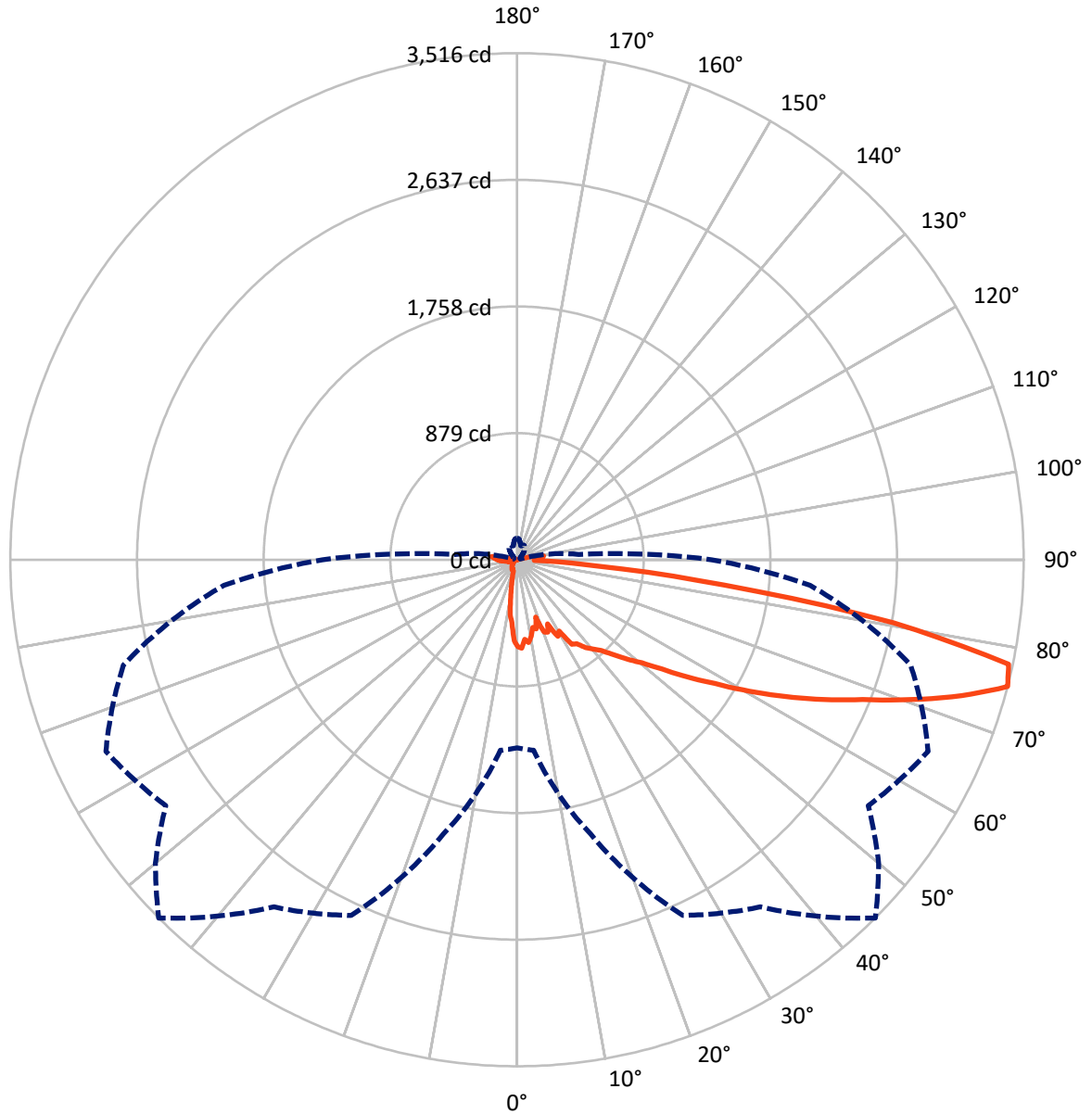
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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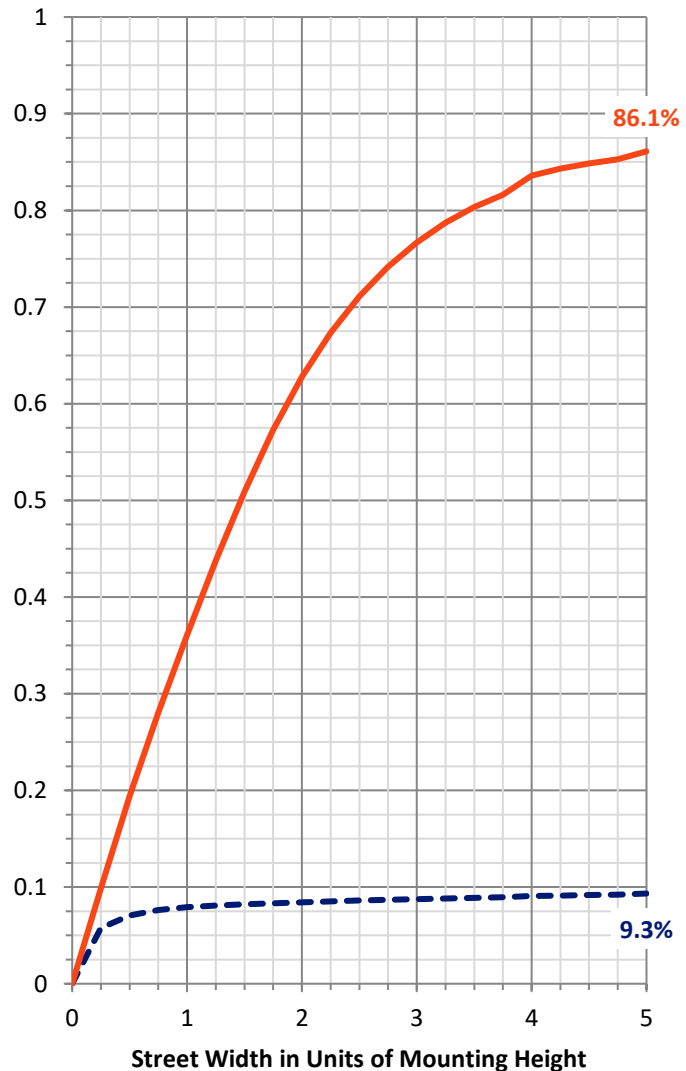
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	543.0	95.0	638.0
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4580.8	73.4	4654.2
	% Fixture	86.6	1.4	87.9
Total	Lumens	5123.8	168.4	5292.3
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.9
10°-20°	101.3	1.9
20°-30°	169.9	3.2
30°-40°	315.0	6.0
40°-50°	530.9	10.0
50°-60°	952.8	18.0
60°-70°	1430.7	27.0
70°-80°	1308.9	24.7
80°-90°	267.6	5.1
90°-100°	128.1	2.4
100°-110°	27.3	0.5
110°-120°	5.2	0.1
120°-130°	4.1	0.1
130°-140°	1.9	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5123.8	96.8
0°-180°	5292.3	100.0



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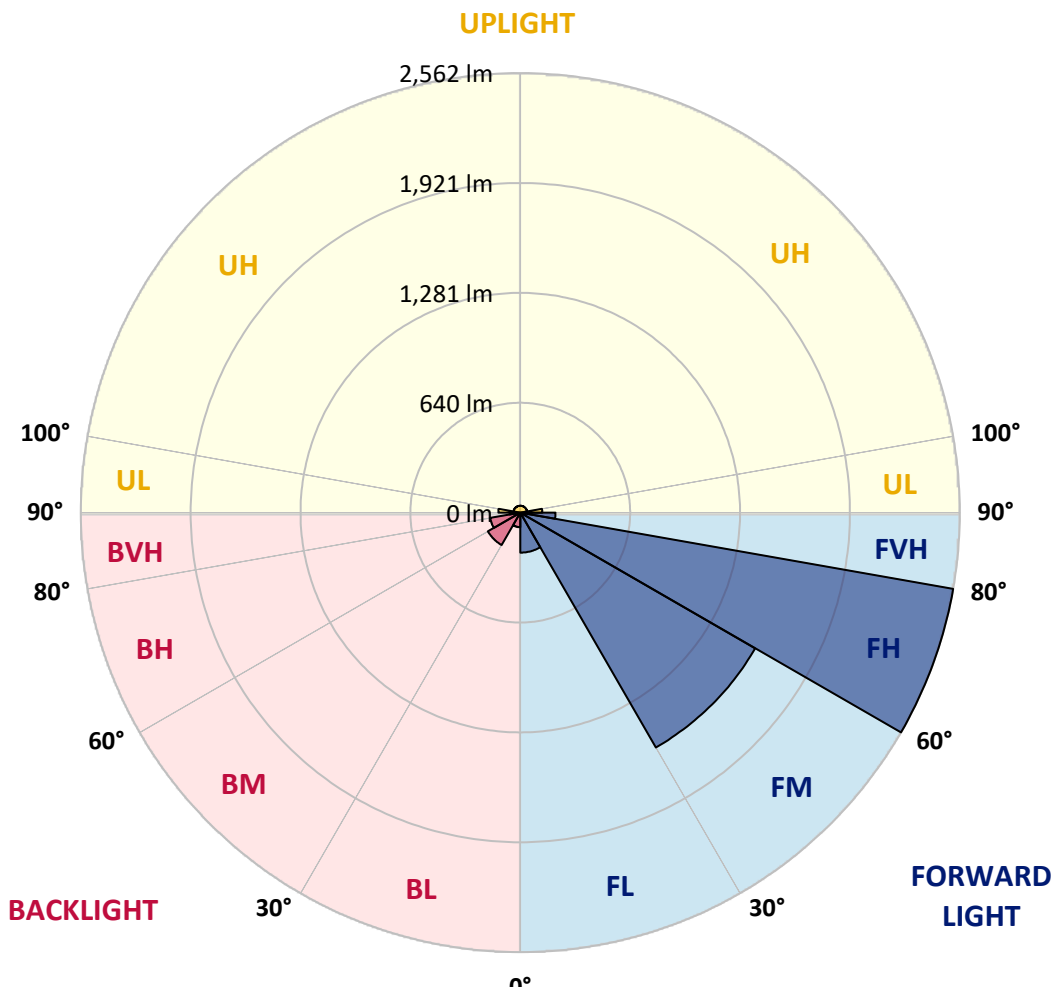
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.2	4.4			
FM (30°-60°)	1580.8	29.9			
FH (60°-80°)	2561.6	48.4			G2/5000
FVH (80°-90°)	205.2	3.9			G2/225
BL (0°-30°)	84.8	1.6	B0/110		
BM (30°-60°)	217.9	4.1	B0/220		
BH (60°-80°)	178.0	3.4	B1/500		G1/500
BVH (80°-90°)	62.4	1.2			G1/100
UL (90°-100°)	128.1	2.4		U3/500	
UH (100°-180°)	40.4	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°	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0
2.5°	586.0	614.3	605.8	620.0	617.2	614.3	614.3	617.2	614.3	608.7	603.0
5°	597.3	588.9	583.2	580.4	569.0	554.9	549.2	543.6	603.0	603.0	591.7
7.5°	614.3	614.3	603.0	594.5	594.5	580.4	566.2	554.9	526.6	518.1	518.1
10°	654.0	648.3	639.8	622.8	537.9	540.7	509.6	447.3	419.0	430.3	447.3
12.5°	662.5	659.6	648.3	645.5	566.2	481.3	399.2	447.3	427.5	356.7	396.3
15°	710.6	704.9	682.3	642.6	484.1	498.3	464.3	399.2	382.2	436.0	467.1
17.5°	605.8	605.8	679.5	622.8	526.6	419.0	416.2	464.3	419.0	390.7	387.9
20°	744.6	744.6	713.4	509.6	540.7	535.1	430.3	486.9	410.5	464.3	495.4
22.5°	620.0	617.2	639.8	631.3	518.1	546.4	441.6	444.5	489.8	419.0	359.5
25°	755.9	755.9	738.9	549.2	588.9	492.6	503.9	532.2	436.0	529.4	535.1
27.5°	651.1	648.3	617.2	628.5	549.2	603.0	458.6	501.1	535.1	571.9	628.5
30°	795.5	801.2	787.0	597.3	611.5	574.7	546.4	580.4	648.3	761.6	798.4
32.5°	982.4	988.0	838.0	719.1	614.3	699.3	586.0	639.8	744.6	798.4	838.0
35°	1092.8	1050.3	985.2	804.0	662.5	716.3	673.8	682.3	775.7	860.6	888.9
37.5°	1186.2	1129.6	1053.1	829.5	699.3	772.9	702.1	713.4	840.8	917.3	954.1
40°	1217.3	1183.4	1140.9	886.1	744.6	815.3	736.1	761.6	903.1	990.9	1047.5
42.5°	1293.8	1296.6	1271.1	965.4	792.7	860.6	792.7	809.7	985.2	1092.8	1174.9
45°	1497.6	1503.3	1475.0	1101.3	852.1	939.9	883.3	891.8	1078.6	1248.5	1353.2
47.5°	1758.1	1738.3	1709.9	1282.5	942.7	1030.5	988.0	979.5	1189.0	1452.3	1545.7
50°	2021.4	1984.6	1925.1	1531.6	1098.4	1123.9	1095.6	1090.0	1322.1	1661.8	1763.7
52.5°	2296.0	2267.7	2143.1	1766.6	1330.6	1259.8	1228.7	1259.8	1494.8	1894.0	1987.4
55°	2440.4	2412.0	2332.8	2018.5	1554.2	1435.3	1381.5	1438.2	1760.9	2112.0	2233.7
57.5°	2559.3	2550.8	2514.0	2281.8	1826.0	1622.2	1568.4	1622.2	1973.2	2315.8	2460.2
60°	2729.1	2695.2	2729.1	2536.6	2089.3	1851.5	1777.9	1834.5	2233.7	2494.1	2709.3
62.5°	2850.9	2842.4	2910.3	2822.5	2310.1	2092.1	1984.6	2038.4	2463.0	2683.8	2955.6
65°	2720.6	2763.1	3034.9	3009.4	2559.3	2338.4	2225.2	2208.2	2649.9	2887.7	3218.9
67.5°	2488.5	2516.8	2913.1	3105.7	2777.3	2587.6	2451.7	2372.4	2822.5	3071.7	3428.4
70°	2267.7	2301.6	2664.0	3111.3	2882.0	2907.5	2717.8	2570.6	2995.2	3278.3	3473.7
72.5°	2092.1	2123.3	2448.9	3043.4	2918.8	3227.4	3009.4	2780.1	3162.3	3284.0	3034.9
75°	1305.1	1327.8	1970.4	2723.5	2941.5	3516.2	3275.5	2975.4	3148.1	2828.2	2041.2
77.5°	402.0	410.5	843.7	1797.7	2556.4	3487.8	3230.2	2797.1	2638.5	1794.9	931.4
80°	138.7	141.6	218.0	639.8	1528.8	2647.0	2463.0	2058.2	1576.9	662.5	351.0
82.5°	65.1	70.8	101.9	215.2	622.8	1446.7	1455.2	1223.0	662.5	294.4	237.8
85°	22.6	22.6	42.5	93.4	240.6	557.7	529.4	492.6	348.2	266.1	220.8
87.5°	8.5	8.5	14.2	25.5	59.5	118.9	150.0	184.0	184.0	186.8	223.7
90°	8.5	8.5	5.7	5.7	42.5	124.6	150.0	167.0	152.9	169.9	243.5
92.5°	8.5	8.5	5.7	5.7	45.3	144.4	167.0	181.2	161.4	181.2	268.9
95°	8.5	8.5	5.7	5.7	51.0	175.5	195.3	192.5	161.4	189.7	288.8
97.5°	11.3	11.3	5.7	2.8	45.3	186.8	209.5	203.8	138.7	144.4	226.5
100°	11.3	11.3	5.7	2.8	28.3	138.7	167.0	164.2	90.6	22.6	65.1
102.5°	11.3	11.3	5.7	2.8	5.7	65.1	79.3	82.1	53.8	8.5	11.3
105°	14.2	14.2	5.7	2.8	2.8	11.3	25.5	34.0	19.8	5.7	11.3
107.5°	14.2	14.2	5.7	2.8	2.8	5.7	5.7	8.5	8.5	5.7	14.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.3	11.3	2.8	5.7	2.8	2.8	2.8	2.8	2.8	5.7	14.2
115°	5.7	5.7	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.7	11.3
117.5°	2.8	2.8	0.0	2.8	0.0	2.8	2.8	2.8	5.7	5.7	14.2
120°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.5	17.0
122.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.5	17.0
125°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.5	17.0
127.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	8.5	14.2
130°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	5.7	11.3
132.5°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	5.7	8.5
135°	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	5.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	8.5	8.5	5.7	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
152.5°	5.7	5.7	8.5	2.8	0.0	0.0	2.8	2.8	5.7	2.8	2.8
155°	5.7	5.7	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.7	5.7
157.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
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°	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0	603.0
2.5°	597.3	594.5	586.0	580.4	571.9	563.4	520.9	495.4	492.6	489.8	492.6
5°	586.0	577.5	563.4	498.3	467.1	438.8	430.3	424.7	410.5	410.5	413.3
7.5°	506.8	501.1	455.8	436.0	410.5	385.0	362.4	345.4	302.9	288.8	283.1
10°	444.5	433.1	353.9	314.2	288.8	260.5	260.5	237.8	226.5	218.0	215.2
12.5°	385.0	376.5	311.4	285.9	215.2	186.8	172.7	158.5	150.0	144.4	141.6
15°	450.1	436.0	334.1	229.3	158.5	133.1	104.7	101.9	127.4	133.1	135.9
17.5°	359.5	368.0	297.3	201.0	130.2	82.1	90.6	107.6	121.7	121.7	118.9
20°	478.4	458.6	322.7	161.4	93.4	82.1	87.8	79.3	113.2	121.7	121.7
22.5°	348.2	331.2	266.1	150.0	73.6	79.3	73.6	93.4	104.7	93.4	96.3
25°	518.1	492.6	308.6	104.7	76.4	67.9	84.9	73.6	101.9	110.4	113.2
27.5°	642.6	557.7	302.9	99.1	67.9	76.4	70.8	84.9	82.1	87.8	87.8
30°	767.2	719.1	342.6	90.6	67.9	65.1	73.6	73.6	93.4	101.9	101.9
32.5°	821.0	764.4	300.1	87.8	67.9	65.1	65.1	79.3	87.8	104.7	104.7
35°	877.6	801.2	252.0	82.1	65.1	62.3	62.3	79.3	93.4	104.7	107.6
37.5°	954.1	840.8	203.8	79.3	62.3	59.5	53.8	70.8	99.1	110.4	113.2
40°	1050.3	897.4	158.5	73.6	56.6	53.8	51.0	70.8	84.9	99.1	99.1
42.5°	1200.4	959.7	124.6	70.8	53.8	48.1	48.1	59.5	82.1	93.4	93.4
45°	1353.2	1033.3	104.7	67.9	51.0	45.3	45.3	59.5	62.3	79.3	79.3
47.5°	1523.1	1106.9	96.3	65.1	51.0	39.6	39.6	53.8	53.8	73.6	76.4
50°	1698.6	1169.2	90.6	62.3	45.3	36.8	45.3	36.8	45.3	70.8	76.4
52.5°	1851.5	1220.2	84.9	56.6	42.5	34.0	42.5	36.8	45.3	65.1	65.1
55°	2007.2	1248.5	82.1	53.8	39.6	28.3	42.5	39.6	42.5	59.5	59.5
57.5°	2145.9	1257.0	79.3	53.8	34.0	25.5	39.6	48.1	36.8	48.1	53.8
60°	2270.5	1248.5	70.8	48.1	25.5	25.5	42.5	56.6	51.0	56.6	56.6
62.5°	2386.6	1217.3	56.6	39.6	19.8	25.5	53.8	62.3	48.1	59.5	65.1
65°	2485.7	1174.9	42.5	31.1	14.2	28.3	56.6	70.8	56.6	67.9	73.6
67.5°	2531.0	1118.3	34.0	25.5	14.2	31.1	59.5	79.3	65.1	76.4	82.1
70°	2454.5	1002.2	28.3	25.5	11.3	36.8	62.3	84.9	73.6	96.3	99.1
72.5°	2038.4	787.0	25.5	25.5	19.8	45.3	79.3	96.3	90.6	130.2	127.4
75°	1350.4	430.3	25.5	22.6	25.5	53.8	96.3	113.2	99.1	147.2	147.2
77.5°	622.8	189.7	22.6	25.5	28.3	59.5	110.4	135.9	113.2	167.0	164.2
80°	271.8	116.1	22.6	22.6	31.1	65.1	124.6	152.9	124.6	184.0	184.0
82.5°	203.8	104.7	19.8	22.6	42.5	73.6	144.4	169.9	138.7	198.2	195.3
85°	189.7	99.1	22.6	25.5	48.1	93.4	169.9	184.0	144.4	203.8	203.8
87.5°	192.5	96.3	22.6	25.5	65.1	118.9	192.5	198.2	158.5	215.2	215.2
90°	198.2	99.1	25.5	28.3	73.6	130.2	215.2	212.3	178.4	226.5	226.5
92.5°	212.3	99.1	28.3	31.1	79.3	144.4	235.0	218.0	192.5	235.0	229.3
95°	220.8	99.1	31.1	34.0	93.4	158.5	249.1	212.3	203.8	218.0	212.3
97.5°	164.2	73.6	36.8	39.6	96.3	178.4	229.3	181.2	133.1	130.2	133.1
100°	53.8	25.5	39.6	42.5	62.3	124.6	169.9	130.2	70.8	53.8	53.8
102.5°	14.2	14.2	36.8	39.6	34.0	53.8	99.1	84.9	48.1	2.8	5.7
105°	14.2	11.3	22.6	31.1	19.8	14.2	39.6	48.1	36.8	2.8	2.8
107.5°	14.2	11.3	11.3	17.0	5.7	5.7	11.3	11.3	11.3	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.0	11.3	5.7	5.7	5.7	2.8	2.8	2.8	2.8	8.5	11.3
115°	14.2	11.3	2.8	5.7	2.8	2.8	2.8	2.8	5.7	11.3	14.2
117.5°	14.2	11.3	2.8	2.8	2.8	2.8	2.8	2.8	5.7	14.2	17.0
120°	17.0	14.2	2.8	2.8	2.8	2.8	2.8	2.8	5.7	17.0	17.0
122.5°	17.0	14.2	2.8	2.8	2.8	2.8	0.0	2.8	8.5	17.0	17.0
125°	17.0	14.2	2.8	2.8	2.8	0.0	0.0	2.8	8.5	17.0	19.8
127.5°	14.2	11.3	2.8	2.8	2.8	0.0	0.0	2.8	5.7	14.2	17.0
130°	11.3	8.5	2.8	2.8	2.8	0.0	0.0	0.0	5.7	14.2	14.2
132.5°	8.5	5.7	2.8	2.8	2.8	0.0	0.0	0.0	5.7	11.3	11.3
135°	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0	2.8	8.5	8.5
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.7	5.7	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	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° | 14.2 14.2 5.7 5.7 2.8 2.8 2.8 2.8 5.7 5.7 14.2

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110°	14.2	11.3	5.7	5.7	5.7	5.7	5.7	2.8	2.8	5.7	5.7
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