

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: P559817

Luminaire Tested: **SDL-PA1-100-727-U-T3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-100-727-U-T3-HSS-A  
Description: Springdale  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,  
HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6019.1 lumens  
Efficiency: N/A  
Efficacy: 64.2 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

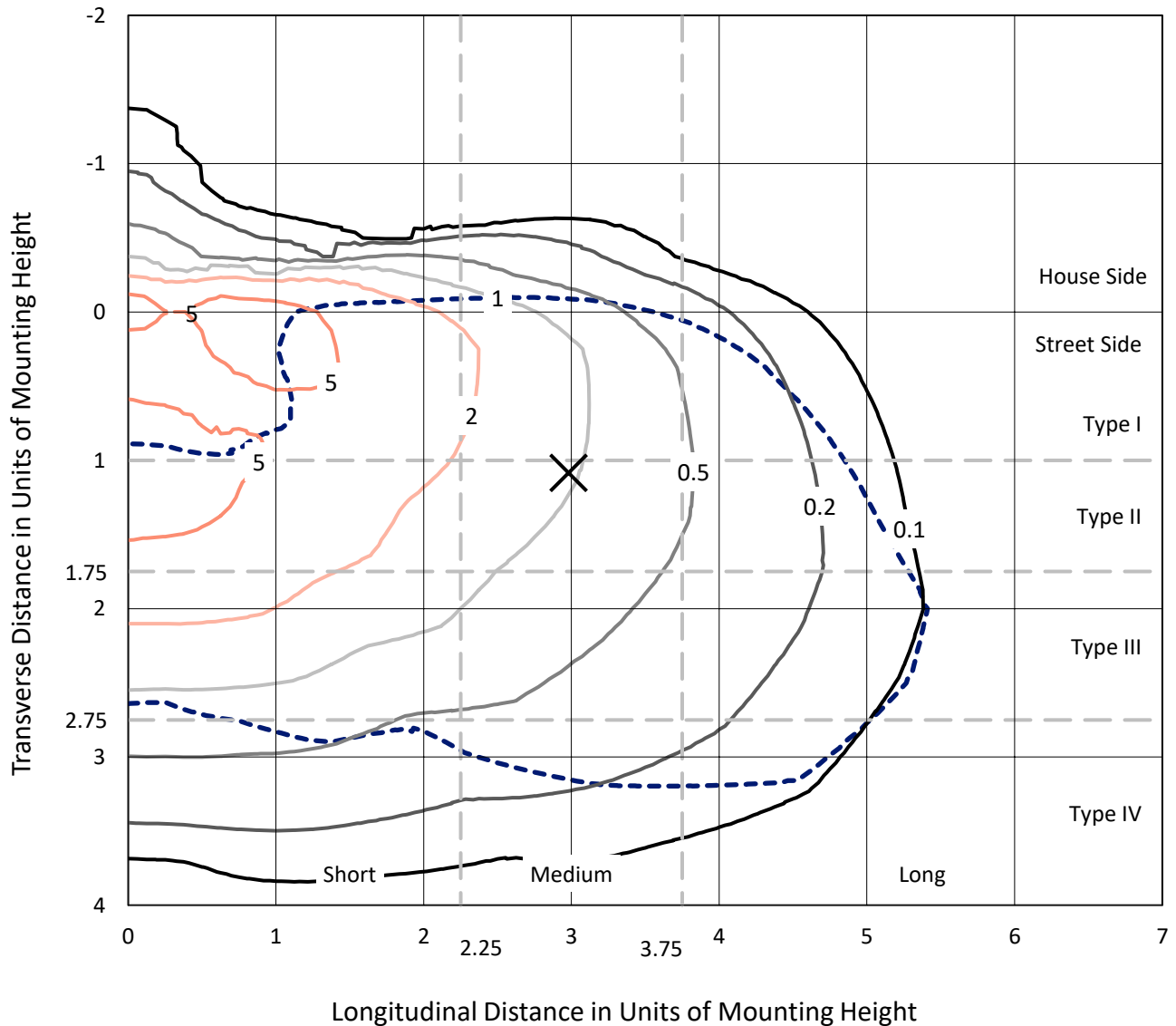
Input Watts (W): 93.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

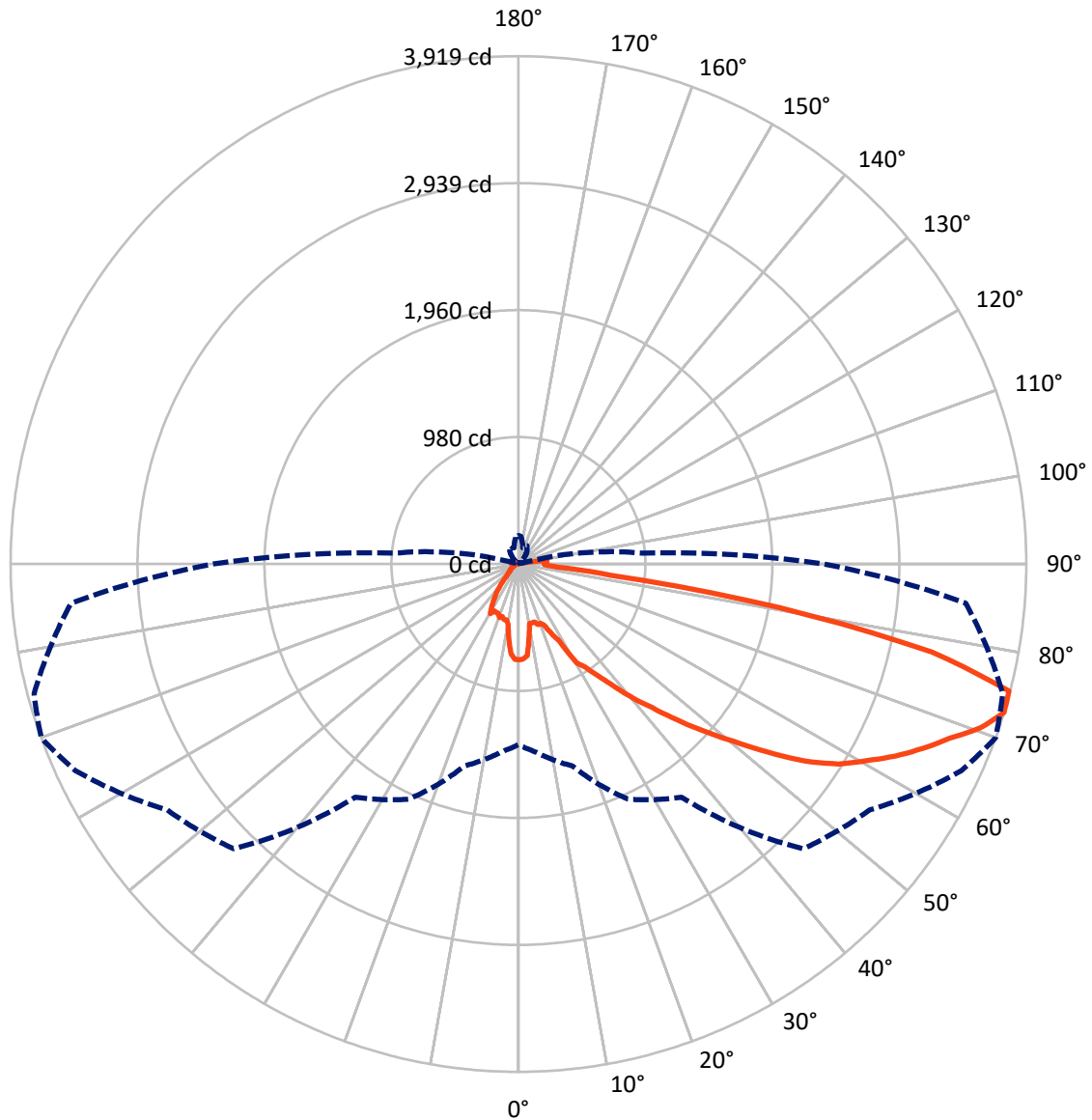
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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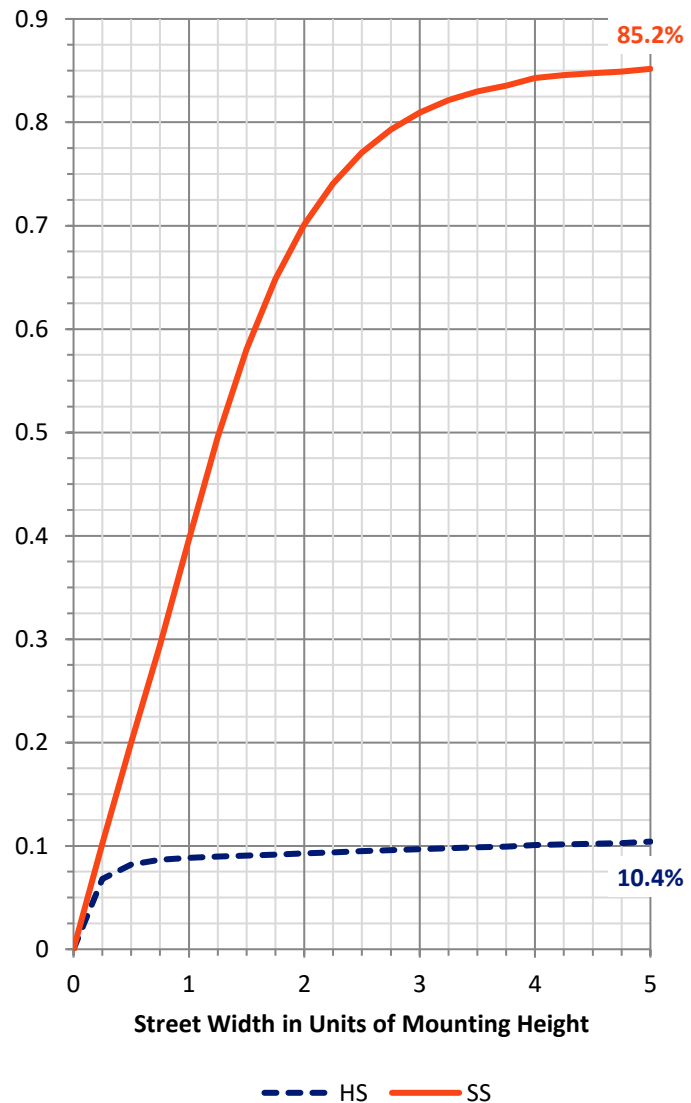
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	690.0	97.1	787.0
	% Fixture	11.5	1.6	13.1
<b>Street Side</b>	Lumens	5153.5	78.5	5232.0
	% Fixture	85.6	1.3	86.9
<b>Total</b>	Lumens	5843.5	175.6	6019.1
	% Fixture	97.1	2.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.0	0.9
10°-20°	112.7	1.9
20°-30°	182.6	3.0
30°-40°	390.1	6.5
40°-50°	767.0	12.7
50°-60°	1280.8	21.3
60°-70°	1589.6	26.4
70°-80°	1224.2	20.3
80°-90°	239.4	4.0
90°-100°	129.9	2.2
100°-110°	26.9	0.4
110°-120°	7.7	0.1
120°-130°	5.9	0.1
130°-140°	2.8	0.0
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5843.5	97.1
0°-180°	6019.1	100.0



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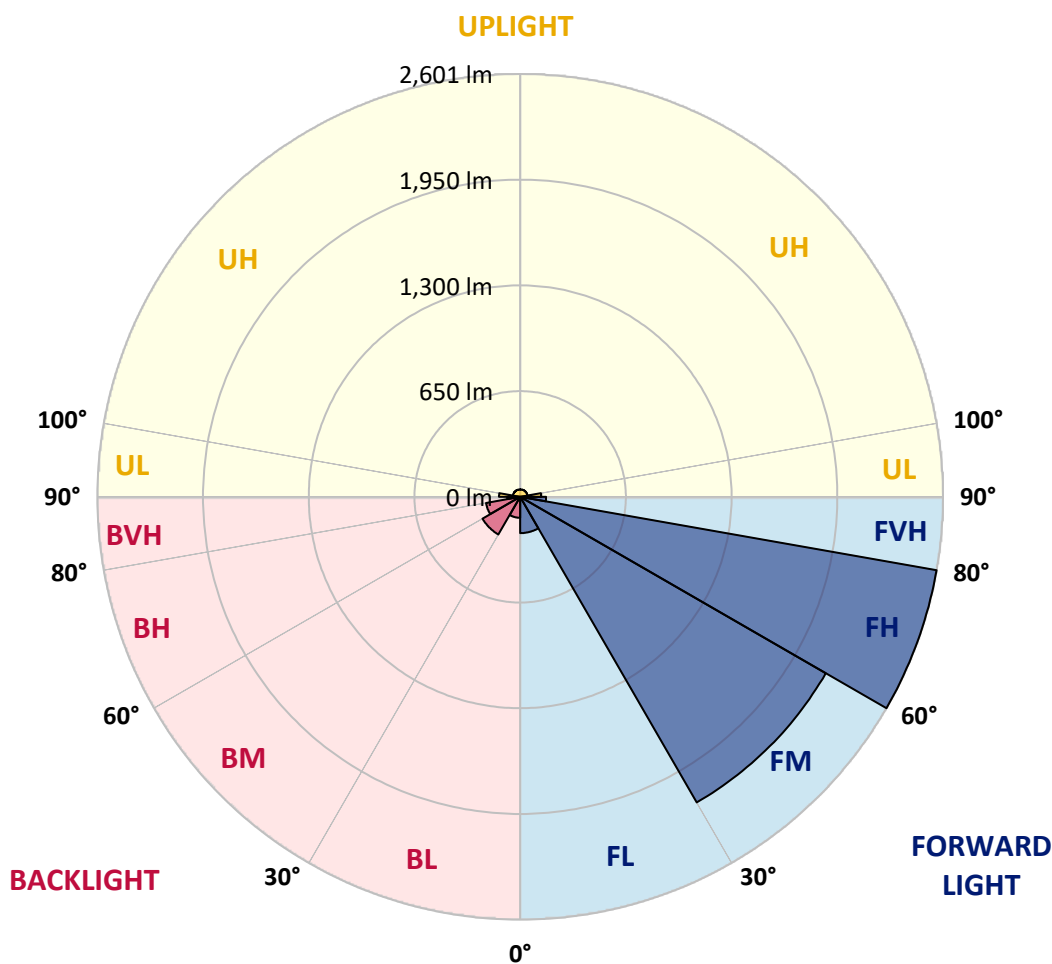
CATALOG NUMBER: SDL-PA1-100-727-U-T3-HSS-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.3	3.7			
FM (30°-60°)	2170.4	36.1			
FH (60°-80°)	2600.6	43.2			G2/5000
FVH (80°-90°)	159.3	2.6			G2/225
BL (0°-30°)	129.1	2.1	B1/500		
BM (30°-60°)	267.6	4.4	B1/1000		
BH (60°-80°)	213.2	3.5	B1/500		G1/500
BVH (80°-90°)	80.1	1.3			G1/100
UL (90°-100°)	129.9	2.2		U3/500	
UH (100°-180°)	45.7	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°	55°	65°	70°	75°	85°
0°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	623.4	692.3	695.5	701.7	708.0	717.4	733.1	733.1	733.1	733.1	736.2
5°	592.1	592.1	592.1	598.4	598.4	604.6	607.8	701.7	711.1	720.5	720.5
7.5°	491.8	538.8	542.0	560.8	582.7	592.1	598.4	592.1	582.7	620.3	636.0
10°	538.8	538.8	538.8	545.1	513.8	498.1	460.5	463.6	466.8	495.0	563.9
12.5°	448.0	476.2	504.4	535.7	495.0	444.9	435.5	460.5	466.8	416.7	495.0
15°	523.2	520.0	520.0	491.8	410.4	444.9	388.5	410.4	463.6	507.5	589.0
17.5°	432.3	419.8	488.7	482.4	438.6	350.9	448.0	444.9	491.8	454.3	507.5
20°	513.8	510.6	510.6	394.7	435.5	473.0	466.8	435.5	488.7	545.1	642.2
22.5°	432.3	426.1	438.6	473.0	432.3	488.7	426.1	538.8	513.8	498.1	466.8
25°	545.1	542.0	542.0	432.3	488.7	448.0	538.8	491.8	595.2	648.5	708.0
27.5°	488.7	488.7	466.8	501.2	466.8	563.9	516.9	620.3	673.5	708.0	855.2
30°	676.7	679.8	642.2	498.1	520.0	529.4	610.9	767.5	883.4	968.0	1058.9
32.5°	974.3	955.5	798.9	679.8	551.4	654.7	676.7	892.8	949.2	1040.1	1118.4
35°	1325.2	1315.8	1177.9	880.3	664.1	701.7	755.0	971.2	1058.9	1149.7	1196.7
37.5°	1566.4	1557.0	1469.3	1121.5	802.0	817.7	823.9	1080.8	1193.6	1284.4	1306.4
40°	1763.7	1748.1	1694.8	1309.5	986.8	955.5	924.2	1231.2	1359.6	1434.8	1444.2
42.5°	2061.4	2036.3	1901.6	1525.7	1174.8	1140.3	1033.8	1362.8	1516.3	1616.5	1622.8
45°	2418.5	2396.6	2208.6	1826.4	1375.3	1365.9	1228.0	1531.9	1713.6	1832.7	1798.2
47.5°	2662.9	2603.3	2496.8	2114.6	1685.4	1604.0	1444.2	1704.2	1926.7	2105.2	2008.1
50°	2885.3	2841.4	2750.6	2434.2	2020.6	1911.0	1669.8	1901.6	2152.2	2315.1	2183.5
52.5°	3092.0	3026.3	2951.1	2672.3	2308.9	2255.6	1892.2	2099.0	2412.2	2546.9	2365.2
55°	3195.4	3092.0	3079.5	2888.4	2531.3	2487.4	2142.8	2343.3	2684.8	2778.8	2537.5
57.5°	3026.3	3023.1	3120.2	3020.0	2713.0	2691.0	2396.6	2606.5	2913.5	2957.3	2706.7
60°	2913.5	2916.6	3063.8	3070.1	2872.7	2885.3	2625.3	2910.3	3082.6	3110.8	2866.5
62.5°	2716.1	2738.0	2960.5	3104.6	2913.5	3070.1	2819.5	3120.2	3264.3	3273.7	3063.8
65°	2468.6	2490.6	2716.1	3010.6	2869.6	3192.3	2982.4	3355.2	3430.4	3436.6	3280.0
67.5°	2180.4	2189.8	2440.4	2766.2	2763.1	3236.2	3082.6	3511.8	3590.2	3608.9	3464.8
70°	1860.9	1848.3	2077.0	2453.0	2534.4	3214.2	3204.8	3665.3	3784.4	3781.3	3593.3
72.5°	1394.1	1453.6	1613.4	2001.8	2196.1	3107.7	3308.2	3771.9	3919.1	3869.0	3464.8
75°	476.2	507.5	939.8	1275.0	1691.7	2822.6	3330.1	3778.1	3909.7	3687.3	2835.2
77.5°	156.6	147.2	209.9	507.5	939.8	1954.8	2929.1	3295.7	3261.2	2866.5	1741.8
80°	75.2	78.3	94.0	178.6	344.6	886.6	1838.9	2086.4	2039.4	1503.7	755.0
82.5°	50.1	53.3	62.7	103.4	194.2	303.9	977.4	952.4	720.5	473.0	310.1
85°	21.9	21.9	31.3	53.3	119.0	200.5	372.8	325.8	294.5	272.6	253.8
87.5°	6.3	6.3	12.5	18.8	40.7	125.3	209.9	197.4	203.6	213.0	241.2
90°	6.3	6.3	6.3	6.3	31.3	131.6	213.0	200.5	200.5	213.0	253.8
92.5°	9.4	9.4	6.3	6.3	28.2	131.6	222.4	191.1	203.6	216.2	272.6
95°	9.4	12.5	6.3	3.1	21.9	134.7	228.7	203.6	222.4	219.3	291.3
97.5°	12.5	12.5	6.3	3.1	12.5	115.9	231.8	166.0	169.2	156.6	228.7
100°	15.7	15.7	6.3	6.3	9.4	59.5	172.3	106.5	65.8	50.1	75.2
102.5°	18.8	18.8	6.3	6.3	6.3	21.9	78.3	62.7	34.5	9.4	18.8
105°	18.8	21.9	6.3	6.3	3.1	9.4	34.5	25.1	12.5	9.4	18.8
107.5°	21.9	21.9	6.3	6.3	3.1	6.3	9.4	9.4	6.3	9.4	18.8
110°	21.9	21.9	9.4	6.3	3.1	6.3	3.1	6.3	6.3	9.4	21.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	15.7	15.7	6.3	9.4	3.1	3.1	3.1	6.3	6.3	9.4	18.8
115°	9.4	6.3	3.1	6.3	3.1	3.1	3.1	6.3	6.3	6.3	15.7
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3	9.4	18.8
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	6.3	12.5	21.9
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	12.5	25.1
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3	9.4	21.9
127.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.3	9.4	18.8
130°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.3	12.5
132.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.3	12.5
135°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.3
137.5°	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	6.3	6.3	3.1	3.1
155°	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	6.3	6.3
157.5°	0.0	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1
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°	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3	739.3
2.5°	736.2	736.2	733.1	739.3	736.2	736.2	695.5	654.7	645.4	648.5	654.7
5°	723.7	723.7	723.7	673.5	617.2	598.4	604.6	604.6	604.6	601.5	607.8
7.5°	639.1	636.0	626.6	570.2	595.2	592.1	589.0	582.7	507.5	488.7	488.7
10°	567.0	567.0	485.6	463.6	463.6	482.4	495.0	476.2	466.8	451.1	448.0
12.5°	498.1	498.1	416.7	463.6	391.6	388.5	379.1	347.7	294.5	256.9	260.0
15°	592.1	592.1	491.8	394.7	328.9	310.1	194.2	181.7	175.4	172.3	169.2
17.5°	504.4	507.5	454.3	391.6	307.0	162.9	137.8	137.8	137.8	131.6	119.0
20°	639.1	639.1	529.4	350.9	231.8	128.4	106.5	94.0	128.4	128.4	128.4
22.5°	463.6	457.4	466.8	357.1	144.1	103.4	87.7	109.6	115.9	97.1	97.1
25°	701.7	692.3	567.0	256.9	119.0	81.5	97.1	84.6	109.6	109.6	109.6
27.5°	864.6	802.0	576.4	235.0	87.7	94.0	78.3	94.0	84.6	81.5	81.5
30°	1040.1	1011.9	695.5	184.8	84.6	78.3	81.5	75.2	87.7	81.5	81.5
32.5°	1096.5	1068.3	629.7	144.1	81.5	75.2	68.9	72.1	68.9	72.1	72.1
35°	1168.5	1140.3	557.6	109.6	75.2	65.8	62.7	62.7	59.5	56.4	56.4
37.5°	1271.9	1224.9	476.2	94.0	68.9	59.5	50.1	47.0	50.1	62.7	65.8
40°	1390.9	1312.6	375.9	84.6	59.5	50.1	37.6	43.9	53.3	53.3	53.3
42.5°	1563.3	1419.1	278.8	78.3	53.3	40.7	28.2	34.5	40.7	56.4	56.4
45°	1713.6	1481.8	197.4	72.1	43.9	31.3	21.9	34.5	43.9	50.1	50.1
47.5°	1889.1	1541.3	147.2	68.9	40.7	21.9	25.1	34.5	34.5	53.3	53.3
50°	2036.3	1553.9	119.0	62.7	31.3	15.7	31.3	31.3	37.6	47.0	47.0
52.5°	2174.1	1566.4	106.5	56.4	25.1	12.5	31.3	31.3	43.9	56.4	56.4
55°	2265.0	1528.8	97.1	50.1	21.9	9.4	34.5	34.5	34.5	43.9	43.9
57.5°	2337.0	1481.8	90.9	43.9	18.8	18.8	37.6	43.9	37.6	43.9	43.9
60°	2384.0	1397.2	78.3	40.7	15.7	18.8	47.0	56.4	43.9	65.8	65.8
62.5°	2468.6	1331.4	68.9	37.6	12.5	18.8	47.0	72.1	56.4	87.7	90.9
65°	2537.5	1271.9	59.5	28.2	12.5	25.1	53.3	90.9	68.9	109.6	112.8
67.5°	2565.7	1199.9	50.1	25.1	12.5	28.2	68.9	112.8	87.7	128.4	128.4
70°	2543.8	1124.7	40.7	25.1	12.5	43.9	90.9	131.6	106.5	156.6	159.8
72.5°	2352.7	958.6	31.3	25.1	9.4	47.0	112.8	156.6	128.4	213.0	219.3
75°	1801.3	607.8	31.3	25.1	12.5	53.3	131.6	181.7	153.5	238.1	247.5
77.5°	1099.6	281.9	31.3	28.2	15.7	65.8	144.1	209.9	169.2	256.9	263.2
80°	488.7	175.4	31.3	31.3	31.3	81.5	169.2	231.8	191.1	272.6	281.9
82.5°	244.4	131.6	28.2	31.3	47.0	97.1	200.5	247.5	197.4	281.9	285.1
85°	209.9	119.0	28.2	34.5	50.1	112.8	216.2	250.6	206.8	278.8	281.9
87.5°	200.5	112.8	34.5	34.5	56.4	119.0	222.4	263.2	213.0	269.4	266.3
90°	209.9	109.6	37.6	40.7	72.1	122.2	225.6	256.9	213.0	253.8	253.8
92.5°	216.2	106.5	40.7	47.0	87.7	137.8	222.4	250.6	213.0	235.0	235.0
95°	222.4	106.5	47.0	53.3	87.7	150.4	213.0	228.7	197.4	209.9	206.8
97.5°	169.2	78.3	56.4	59.5	81.5	115.9	172.3	178.6	128.4	125.3	122.2
100°	59.5	34.5	56.4	65.8	50.1	50.1	103.4	125.3	75.2	47.0	53.3
102.5°	18.8	15.7	50.1	65.8	40.7	18.8	53.3	78.3	56.4	6.3	6.3
105°	18.8	18.8	28.2	53.3	28.2	6.3	18.8	43.9	34.5	6.3	6.3
107.5°	18.8	15.7	12.5	31.3	9.4	6.3	9.4	9.4	9.4	3.1	6.3
110°	21.9	15.7	6.3	9.4	6.3	6.3	6.3	6.3	6.3	12.5	12.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.9	15.7	6.3	9.4	6.3	6.3	6.3	3.1	6.3	15.7	18.8
115°	18.8	15.7	6.3	6.3	6.3	6.3	3.1	3.1	6.3	18.8	18.8
117.5°	21.9	18.8	6.3	6.3	3.1	6.3	3.1	3.1	6.3	18.8	21.9
120°	25.1	21.9	6.3	6.3	3.1	3.1	3.1	3.1	6.3	15.7	18.8
122.5°	25.1	25.1	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	15.7
125°	21.9	21.9	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	15.7
127.5°	18.8	18.8	6.3	3.1	3.1	3.1	3.1	3.1	6.3	12.5	15.7
130°	15.7	15.7	6.3	3.1	3.1	3.1	0.0	3.1	6.3	12.5	12.5
132.5°	12.5	9.4	6.3	3.1	3.1	3.1	0.0	3.1	6.3	9.4	12.5
135°	9.4	9.4	3.1	3.1	3.1	3.1	0.0	0.0	6.3	6.3	9.4
137.5°	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	6.3	6.3
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
155°	6.3	6.3	6.3	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	3.1	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)