

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: P560817

Luminaire Tested: **SDL-PA1-60-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560817  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-60-830-U-SL3-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4677.5 lumens  
Efficiency: N/A  
Efficacy: 75.0 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

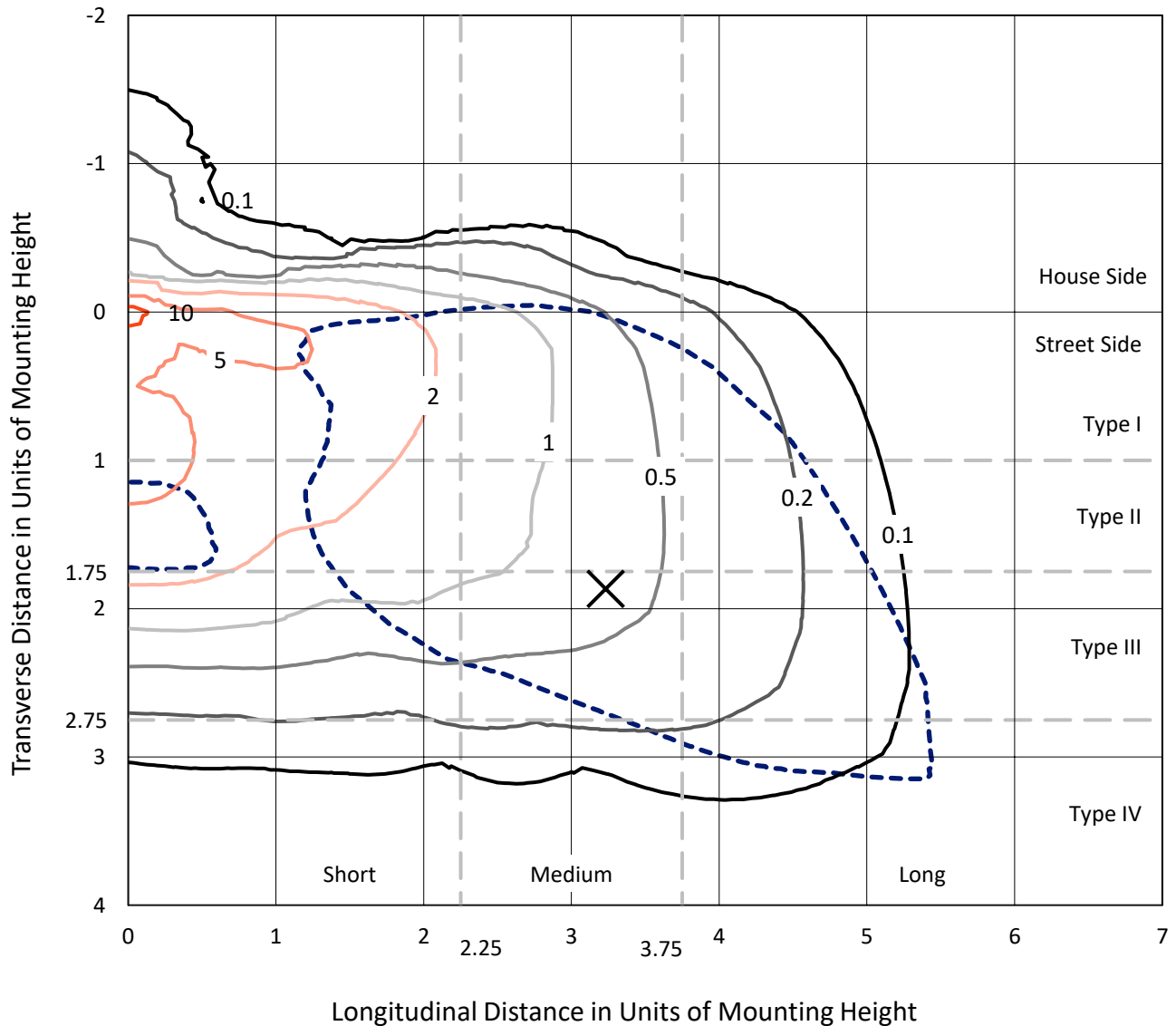
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

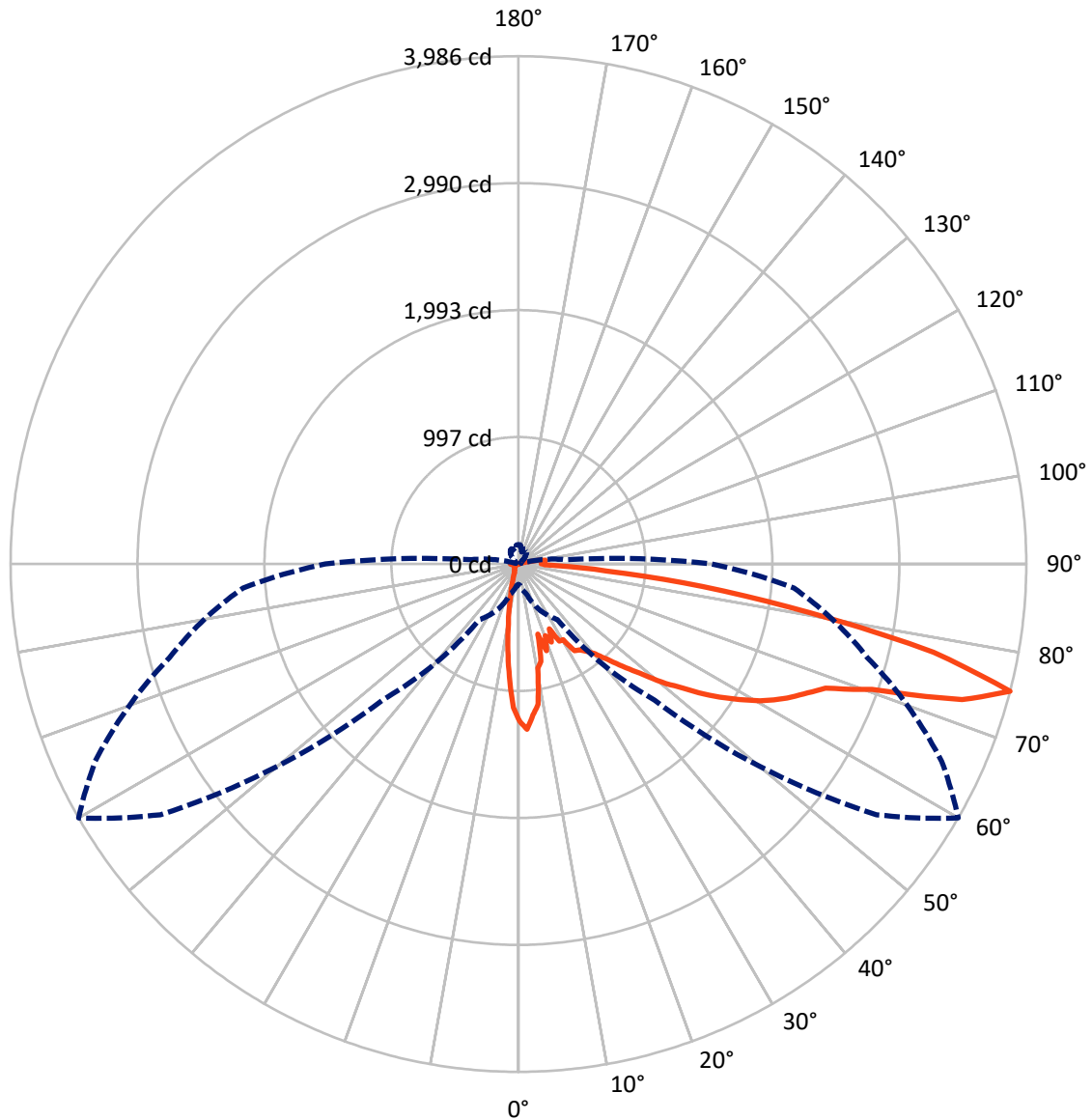
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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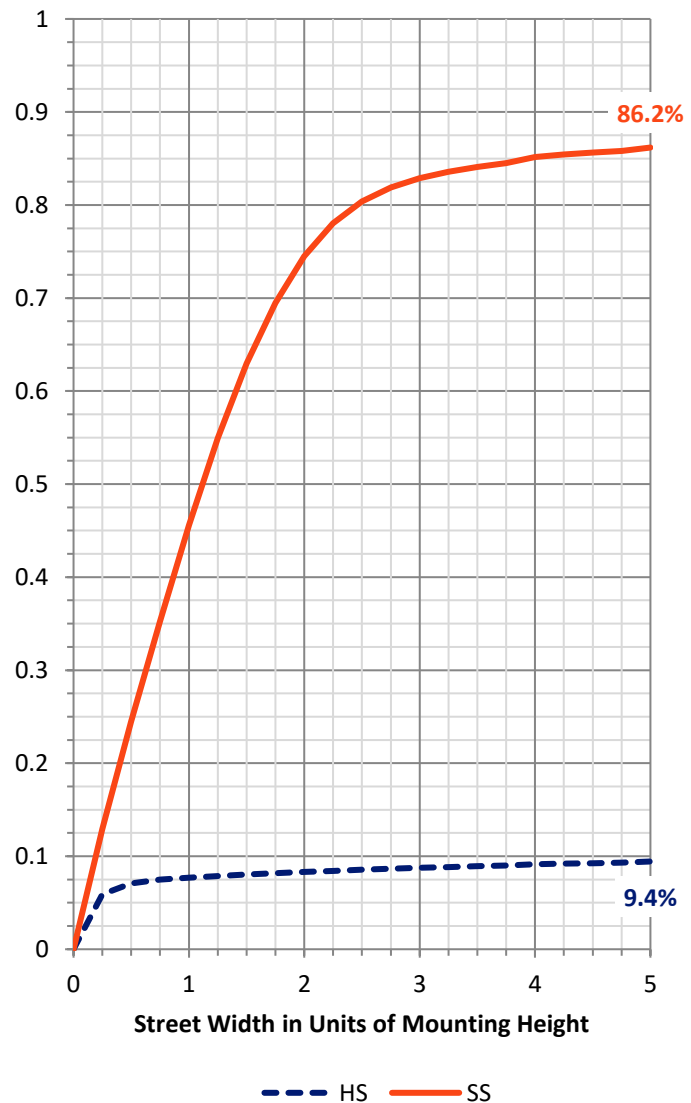
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	483.4	63.0	546.4
	% Fixture	10.3	1.3	11.7
<b>Street Side</b>	Lumens	4065.1	65.9	4131.1
	% Fixture	86.9	1.4	88.3
<b>Total</b>	Lumens	4548.5	128.9	4677.5
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	1.8
10°-20°	140.7	3.0
20°-30°	199.0	4.3
30°-40°	357.6	7.6
40°-50°	602.5	12.9
50°-60°	937.2	20.0
60°-70°	1105.9	23.6
70°-80°	897.1	19.2
80°-90°	222.7	4.8
90°-100°	89.9	1.9
100°-110°	20.8	0.4
110°-120°	6.5	0.1
120°-130°	5.8	0.1
130°-140°	3.1	0.1
140°-150°	1.5	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4548.5	97.2
0°-180°	4677.5	100.0



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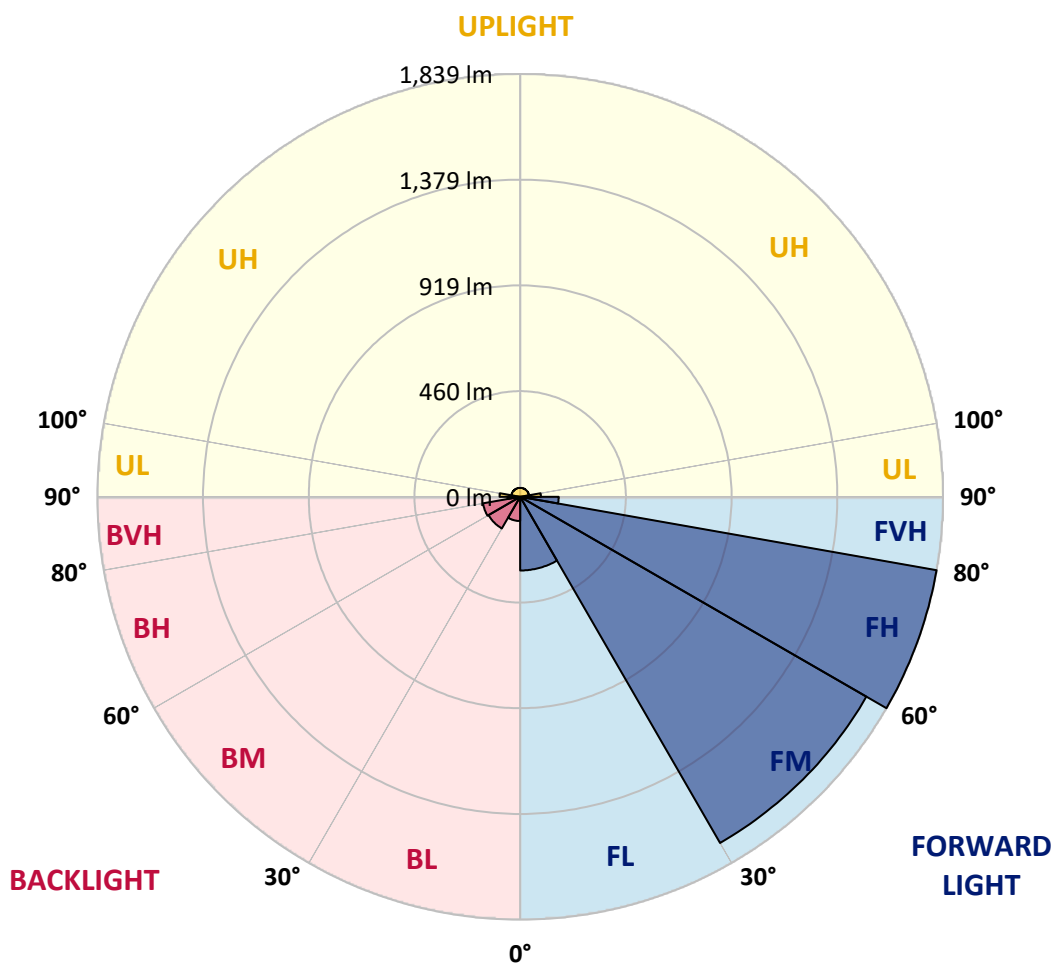
CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.4	6.8			
FM	(30°-60°)	1738.4	37.2			
FH	(60°-80°)	1838.9	39.3			G2/5000
FVH	(80°-90°)	167.5	3.6			G2/225
BL	(0°-30°)	105.1	2.2	B0/110		
BM	(30°-60°)	158.9	3.4	B0/220		
BH	(60°-80°)	164.1	3.5	B1/500		G1/500
BVH	(80°-90°)	55.3	1.2			G1/100
UL	(90°-100°)	89.9	1.9		U3/500	
UH	(100°-180°)	39.0	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°	60°	65°	75°	85°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1163.0	1251.6	1225.6	1307.8	1318.6	1314.3	1309.9	1299.1	1288.3	1268.9	1238.6
5°	1115.4	1124.0	1117.6	1132.7	1134.8	1141.3	1130.5	1191.1	1292.6	1266.7	1219.2
7.5°	916.5	1007.3	1018.1	1046.2	1072.2	1098.1	1113.2	1111.1	981.4	1102.4	1048.4
10°	936.0	949.0	946.8	966.2	944.6	907.9	827.9	830.1	830.1	856.0	884.1
12.5°	741.4	780.3	875.5	905.7	840.9	765.2	771.7	786.8	797.6	676.6	745.8
15°	840.9	843.0	845.2	845.2	633.4	724.1	631.2	570.7	652.8	799.8	812.8
17.5°	659.3	652.8	760.9	752.2	698.2	538.2	700.4	715.5	687.4	672.3	676.6
20°	773.9	773.9	767.4	611.7	644.2	693.9	600.9	598.8	633.4	786.8	795.5
22.5°	626.9	620.4	655.0	680.9	611.7	661.5	592.3	665.8	737.1	696.0	568.5
25°	784.7	784.7	758.7	590.1	633.4	568.5	657.1	564.2	626.9	851.7	810.6
27.5°	726.3	706.8	646.3	670.1	568.5	661.5	605.3	685.2	724.1	881.9	944.6
30°	938.1	931.7	862.5	674.4	646.3	607.4	650.6	689.6	834.4	1143.5	1091.6
32.5°	1251.6	1217.0	981.4	834.4	678.7	719.8	693.9	810.6	916.5	1169.4	1106.7
35°	1335.9	1309.9	1197.5	1013.8	760.9	760.9	745.8	827.9	940.3	1225.6	1139.2
37.5°	1364.0	1361.8	1322.9	1108.9	873.3	875.5	789.0	869.0	987.9	1301.3	1186.7
40°	1381.3	1385.6	1424.5	1208.3	992.2	987.9	869.0	927.3	1061.4	1383.4	1273.2
42.5°	1454.8	1478.5	1526.1	1318.6	1104.6	1106.7	966.2	1020.3	1158.6	1519.6	1392.1
45°	1619.1	1625.5	1653.6	1469.9	1210.5	1225.6	1089.5	1145.7	1277.5	1668.8	1526.1
47.5°	1867.6	1867.6	1820.1	1588.8	1335.9	1357.5	1219.2	1277.5	1418.0	1887.1	1681.7
50°	2088.1	2070.8	1967.1	1729.3	1437.5	1485.0	1389.9	1456.9	1536.9	2053.5	1876.3
52.5°	2226.5	2220.0	2092.4	1824.4	1545.6	1625.5	1530.4	1616.9	1675.3	2226.5	2051.4
55°	2207.0	2207.0	2124.9	1874.1	1645.0	1753.1	1712.0	1820.1	1841.7	2390.7	2178.9
57.5°	2133.5	2144.3	2105.4	1893.6	1664.4	1874.1	1897.9	1999.5	2036.2	2485.9	2258.9
60°	1984.4	2006.0	2047.1	1919.5	1740.1	2010.3	2088.1	2178.9	2248.1	2557.2	2325.9
62.5°	1705.5	1733.6	1878.4	1917.4	1798.5	2150.8	2250.2	2330.2	2395.1	2596.1	2373.5
65°	1292.6	1344.5	1554.2	1779.0	1794.1	2315.1	2382.1	2459.9	2522.6	2635.0	2496.7
67.5°	825.7	827.9	1054.9	1469.9	1673.1	2546.4	2559.4	2598.3	2639.3	2743.1	2671.8
70°	425.8	447.5	555.5	938.1	1370.5	2593.9	3002.5	2946.3	2883.6	2978.7	2898.7
72.5°	283.2	306.9	365.3	505.8	860.3	2338.9	3484.5	3640.2	3363.5	3153.8	2699.9
75°	160.0	172.9	244.3	399.9	531.8	1511.0	3430.5	3986.0	3666.1	2833.9	2170.3
77.5°	71.3	75.7	110.2	313.4	456.1	737.1	2699.9	3331.1	3203.5	2362.6	1565.0
80°	38.9	38.9	51.9	144.8	386.9	555.5	1792.0	2319.4	2178.9	1424.5	711.2
82.5°	21.6	23.8	30.3	69.2	235.6	508.0	1132.7	1454.8	1150.0	391.3	287.5
85°	8.6	8.6	13.0	36.7	86.5	430.2	620.4	691.7	464.7	198.9	222.6
87.5°	4.3	4.3	4.3	13.0	28.1	110.2	203.2	218.3	170.8	157.8	192.4
90°	6.5	6.5	4.3	4.3	19.5	116.7	170.8	179.4	140.5	157.8	194.5
92.5°	8.6	6.5	4.3	4.3	15.1	116.7	194.5	192.4	140.5	157.8	201.0
95°	10.8	8.6	4.3	4.3	15.1	103.8	233.5	209.7	151.3	160.0	211.8
97.5°	10.8	10.8	4.3	4.3	15.1	80.0	246.4	211.8	131.9	103.8	144.8
100°	13.0	13.0	4.3	4.3	17.3	47.6	170.8	157.8	92.9	34.6	41.1
102.5°	15.1	15.1	4.3	4.3	10.8	23.8	82.1	80.0	51.9	8.6	15.1
105°	15.1	17.3	4.3	4.3	4.3	10.8	30.3	36.7	25.9	8.6	15.1
107.5°	17.3	19.5	4.3	4.3	4.3	6.5	13.0	13.0	8.6	8.6	15.1
110°	17.3	17.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.6	15.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	13.0	13.0	2.2	4.3	4.3	4.3	2.2	4.3	4.3	6.5	13.0
115°	6.5	4.3	2.2	4.3	2.2	4.3	2.2	4.3	6.5	6.5	15.1
117.5°	2.2	2.2	2.2	2.2	2.2	4.3	2.2	4.3	4.3	10.8	19.5
120°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	15.1	23.8
122.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	15.1	28.1
125°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	10.8	25.9
127.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	10.8	21.6
130°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	8.6	19.5
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	8.6	15.1
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	10.8
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3
140°	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
150°	8.6	8.6	8.6	6.5	4.3	2.2	6.5	4.3	2.2	2.2	2.2
152.5°	6.5	6.5	10.8	4.3	2.2	2.2	2.2	6.5	6.5	2.2	2.2
155°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	6.5	8.6
157.5°	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2	4.3	2.2
160°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1227.8	1214.8	1180.2	1147.8	1108.9	1085.1	1003.0	910.0	890.6	886.3	871.1
5°	1197.5	1169.4	1102.4	959.8	817.1	752.2	722.0	698.2	665.8	659.3	650.6
7.5°	1016.0	968.4	864.6	689.6	667.9	607.4	557.7	516.6	428.0	404.2	391.3
10°	845.2	804.1	590.1	501.5	456.1	410.7	356.7	315.6	278.8	261.6	255.1
12.5°	683.1	642.0	441.0	397.7	283.2	233.5	203.2	168.6	140.5	125.4	125.4
15°	756.6	689.6	456.1	283.2	185.9	138.3	101.6	90.8	105.9	108.1	108.1
17.5°	618.2	551.2	358.8	220.5	136.2	75.7	82.1	92.9	101.6	88.6	90.8
20°	711.2	618.2	361.0	166.4	86.5	73.5	75.7	69.2	92.9	95.1	95.1
22.5°	538.2	486.4	272.4	131.9	67.0	69.2	64.8	77.8	86.5	75.7	73.5
25°	696.0	572.8	276.7	84.3	67.0	56.2	67.0	60.5	80.0	82.1	82.1
27.5°	797.6	642.0	242.1	73.5	56.2	60.5	54.0	62.7	60.5	60.5	60.5
30°	905.7	700.4	235.6	71.3	54.0	49.7	51.9	49.7	58.4	60.5	60.5
32.5°	905.7	670.1	179.4	71.3	51.9	47.6	41.1	45.4	47.6	51.9	54.0
35°	912.2	644.2	131.9	64.8	47.6	41.1	36.7	36.7	41.1	43.2	43.2
37.5°	931.7	626.9	101.6	60.5	43.2	36.7	30.3	32.4	56.2	62.7	62.7
40°	985.7	626.9	86.5	56.2	38.9	32.4	25.9	41.1	47.6	56.2	56.2
42.5°	1070.0	635.5	82.1	54.0	34.6	28.1	21.6	32.4	58.4	67.0	69.2
45°	1158.6	652.8	77.8	51.9	32.4	23.8	25.9	38.9	45.4	60.5	60.5
47.5°	1281.8	689.6	75.7	49.7	30.3	19.5	23.8	38.9	49.7	64.8	64.8
50°	1415.9	728.5	71.3	47.6	25.9	17.3	36.7	32.4	41.1	67.0	67.0
52.5°	1554.2	773.9	69.2	45.4	23.8	23.8	41.1	38.9	49.7	64.8	67.0
55°	1675.3	810.6	64.8	45.4	21.6	21.6	43.2	38.9	45.4	60.5	62.7
57.5°	1733.6	817.1	62.7	43.2	19.5	21.6	41.1	47.6	41.1	49.7	54.0
60°	1807.1	834.4	56.2	38.9	17.3	28.1	47.6	62.7	56.2	64.8	69.2
62.5°	1876.3	847.4	49.7	34.6	15.1	30.3	62.7	75.7	60.5	75.7	84.3
65°	2003.8	875.5	41.1	28.1	13.0	34.6	71.3	90.8	67.0	88.6	88.6
67.5°	2181.1	920.8	32.4	23.8	13.0	38.9	73.5	103.8	80.0	97.3	95.1
70°	2250.2	847.4	28.1	21.6	13.0	45.4	80.0	112.4	84.3	108.1	108.1
72.5°	1962.7	611.7	23.8	21.6	21.6	51.9	99.4	123.2	92.9	136.2	134.0
75°	1515.3	384.8	23.8	21.6	25.9	64.8	112.4	131.9	99.4	151.3	149.2
77.5°	1009.5	181.6	23.8	23.8	30.3	71.3	121.1	140.5	110.2	168.6	166.4
80°	395.6	99.4	25.9	25.9	36.7	75.7	129.7	144.8	114.6	181.6	179.4
82.5°	190.2	69.2	25.9	25.9	49.7	84.3	138.3	151.3	118.9	183.7	181.6
85°	162.1	64.8	23.8	28.1	60.5	105.9	147.0	149.2	121.1	175.1	175.1
87.5°	144.8	62.7	23.8	28.1	82.1	123.2	153.5	147.0	129.7	170.8	170.8
90°	149.2	67.0	25.9	32.4	92.9	125.4	155.6	147.0	125.4	157.8	157.8
92.5°	160.0	71.3	28.1	34.6	92.9	116.7	144.8	131.9	116.7	134.0	131.9
95°	168.6	75.7	30.3	38.9	82.1	90.8	121.1	105.9	97.3	103.8	103.8
97.5°	129.7	58.4	34.6	43.2	62.7	54.0	75.7	69.2	51.9	43.2	43.2
100°	34.6	19.5	36.7	43.2	43.2	36.7	56.2	51.9	34.6	15.1	15.1
102.5°	13.0	13.0	34.6	41.1	34.6	28.1	41.1	38.9	28.1	4.3	4.3
105°	13.0	10.8	21.6	32.4	21.6	15.1	21.6	25.9	17.3	4.3	4.3
107.5°	13.0	10.8	13.0	19.5	8.6	6.5	8.6	8.6	8.6	2.2	4.3
110°	13.0	10.8	6.5	8.6	6.5	6.5	6.5	4.3	4.3	8.6	8.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	10.8	6.5	8.6	6.5	6.5	4.3	4.3	6.5	13.0	13.0
115°	13.0	10.8	6.5	6.5	4.3	6.5	4.3	2.2	6.5	15.1	17.3
117.5°	17.3	10.8	4.3	4.3	4.3	4.3	4.3	2.2	6.5	19.5	21.6
120°	21.6	13.0	4.3	4.3	4.3	2.2	4.3	2.2	8.6	19.5	21.6
122.5°	23.8	15.1	4.3	4.3	4.3	2.2	2.2	4.3	8.6	19.5	19.5
125°	23.8	15.1	4.3	4.3	2.2	2.2	2.2	2.2	8.6	19.5	21.6
127.5°	19.5	13.0	4.3	4.3	2.2	2.2	2.2	2.2	8.6	17.3	19.5
130°	17.3	13.0	4.3	4.3	2.2	2.2	2.2	2.2	8.6	15.1	17.3
132.5°	13.0	10.8	4.3	2.2	2.2	2.2	2.2	2.2	8.6	13.0	15.1
135°	10.8	6.5	4.3	2.2	2.2	2.2	2.2	2.2	6.5	13.0	13.0
137.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
140°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
142.5°	2.2	4.3	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
145°	2.2	4.3	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
147.5°	2.2	4.3	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
150°	2.2	4.3	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3
152.5°	2.2	4.3	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2
155°	8.6	6.5	4.3	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
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)