

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: P560816

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

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560816  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)  
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-A  
Description: Springdale  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5542.1 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G3

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

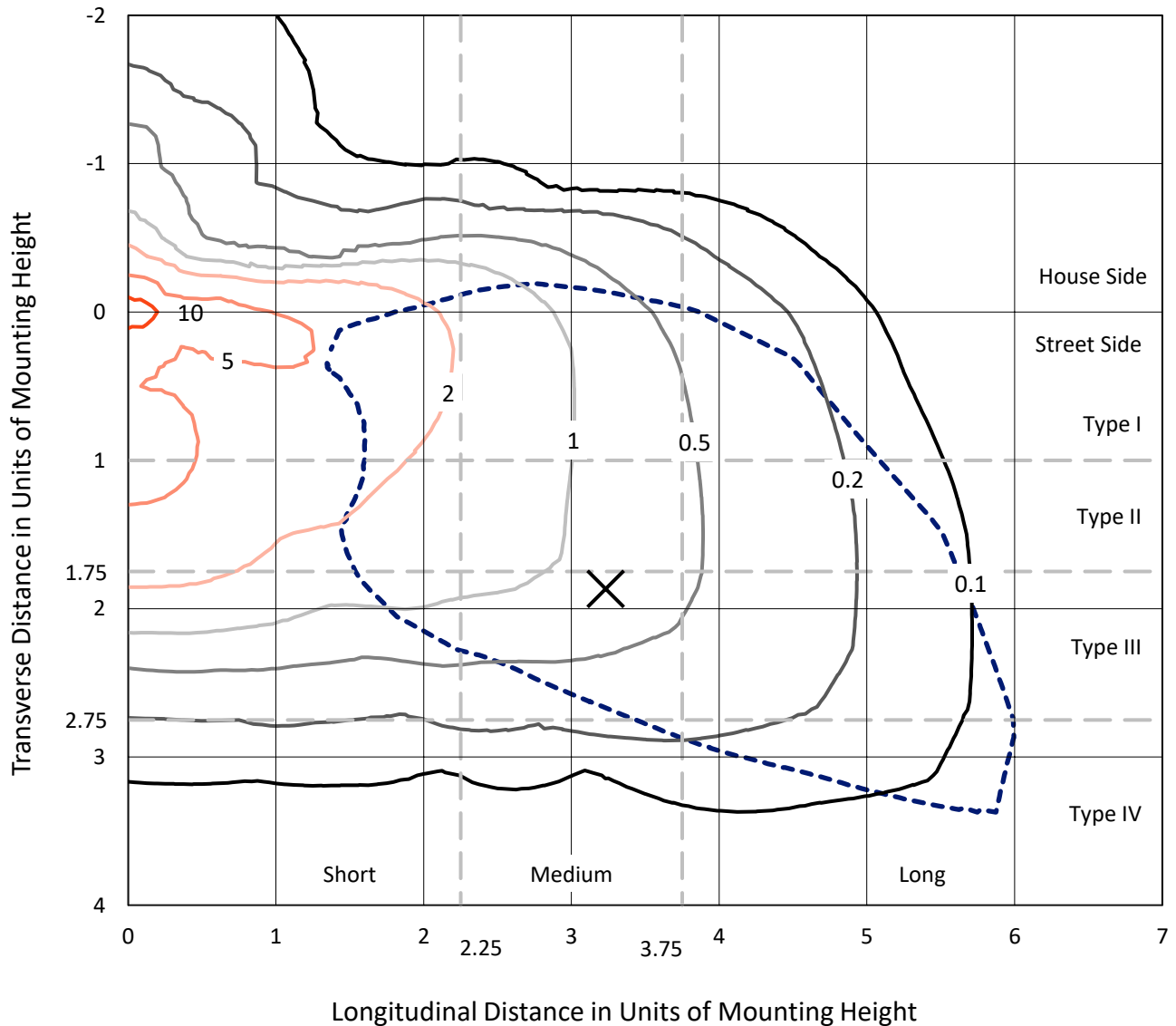


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### Iso-Footcandle Lines of Horizontal Illumination

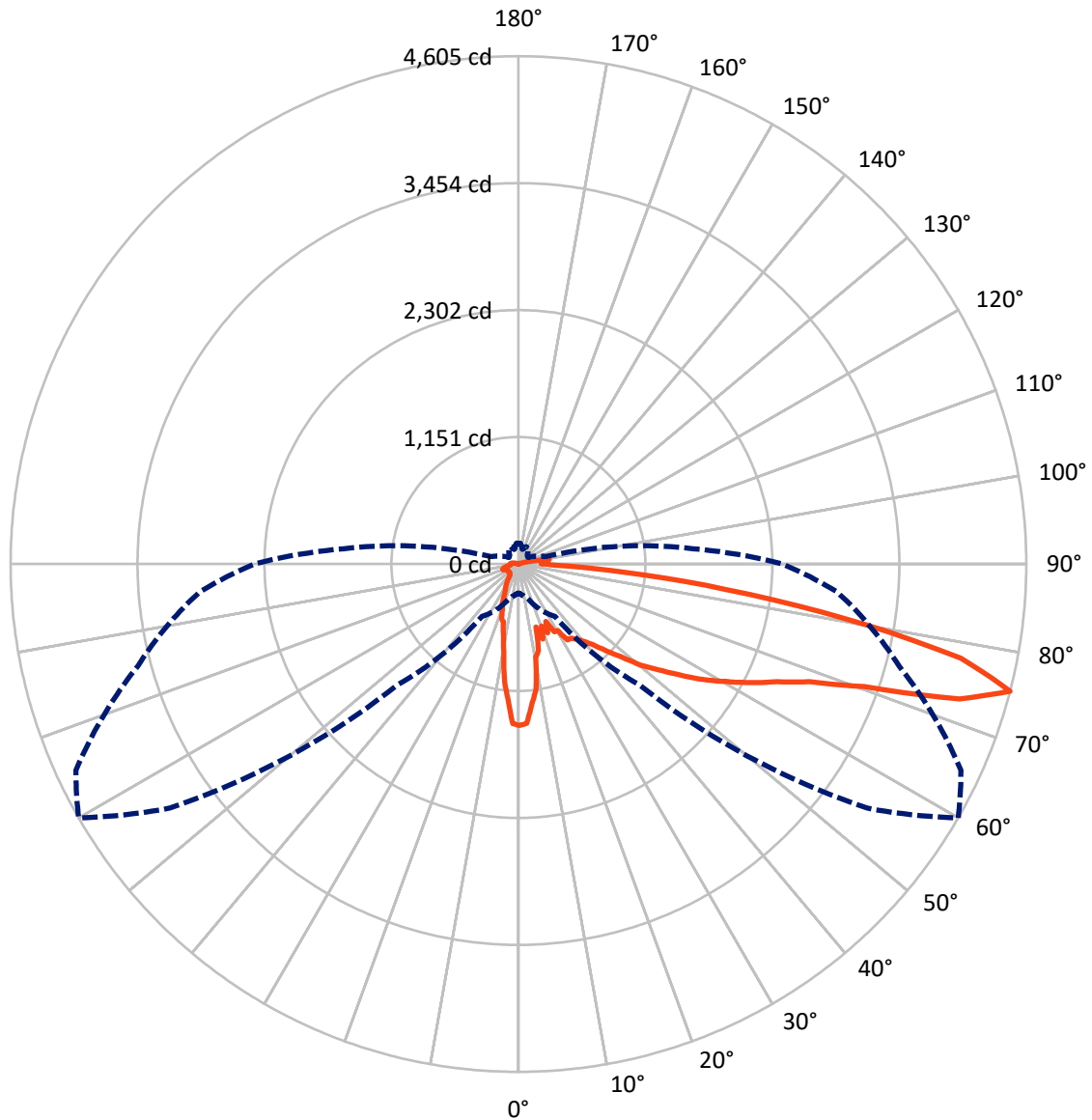
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 fc  
 Type III - 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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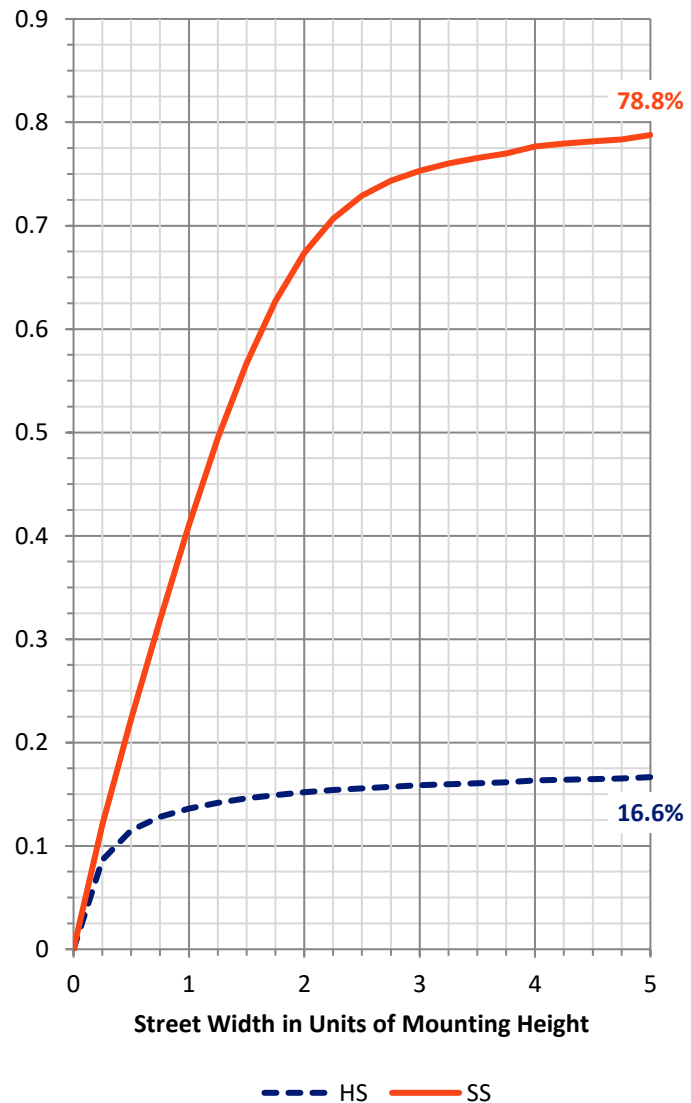
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	972.9	73.8	1046.7
	% Fixture	17.6	1.3	18.9
<b>Street Side</b>	Lumens	4417.3	78.0	4495.4
	% Fixture	79.7	1.4	81.1
<b>Total</b>	Lumens	5390.3	151.8	5542.1
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	1.9
10°-20°	191.7	3.5
20°-30°	248.4	4.5
30°-40°	413.9	7.5
40°-50°	662.8	12.0
50°-60°	1017.5	18.4
60°-70°	1271.4	22.9
70°-80°	1159.6	20.9
80°-90°	317.3	5.7
90°-100°	106.5	1.9
100°-110°	24.2	0.4
110°-120°	7.7	0.1
120°-130°	7.2	0.1
130°-140°	3.4	0.1
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5390.3	97.3
0°-180°	5542.1	100.0

**Coefficient of Utilization**



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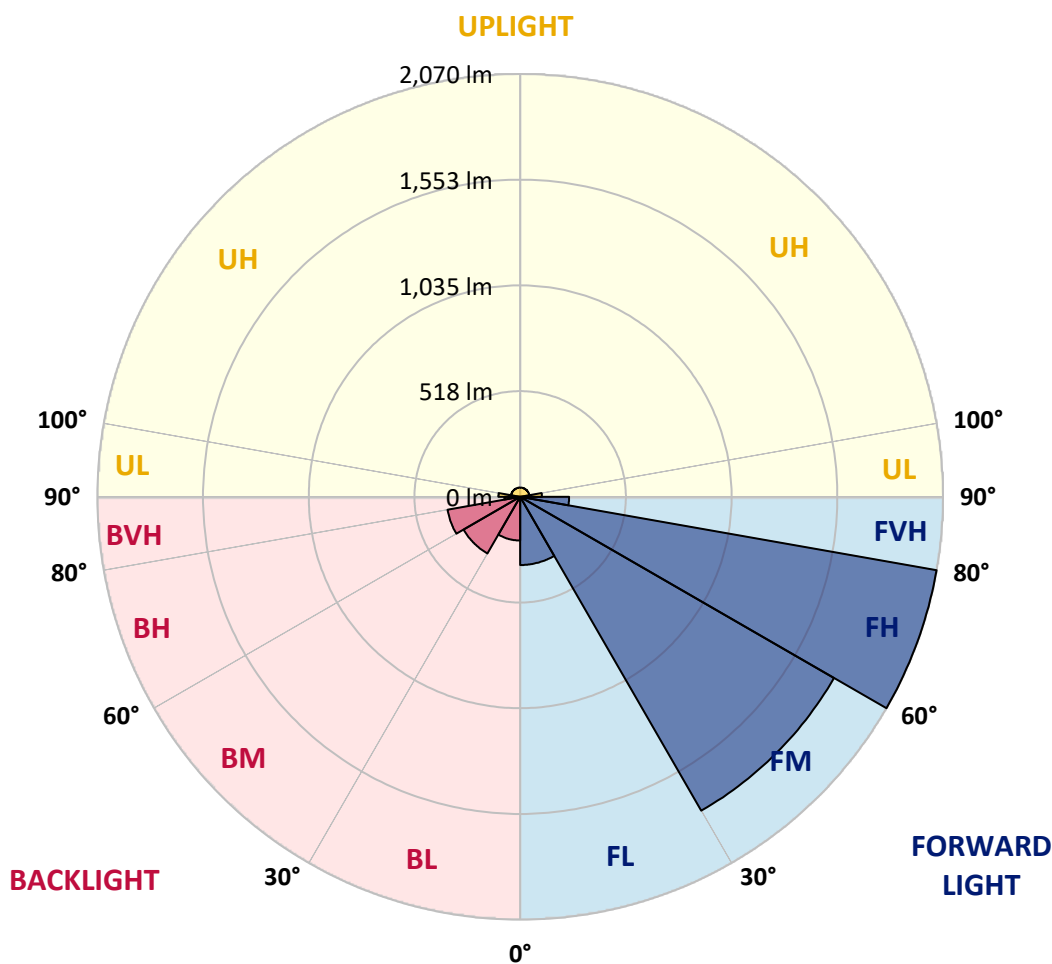
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.8	6.0			
FM (30°-60°)	1774.0	32.0			
FH (60°-80°)	2070.0	37.4			G2/5000
FVH (80°-90°)	239.5	4.3			G3/500
BL (0°-30°)	213.9	3.9	B1/500		
BM (30°-60°)	320.2	5.8	B1/1000		
BH (60°-80°)	361.0	6.5	B1/500		G1/500
BVH (80°-90°)	77.9	1.4			G1/100
UL (90°-100°)	106.5	1.9		U3/500	
UH (100°-180°)	45.3	0.8		U2/50	

**BUG Rating: B1-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6
2.5°	1227.9	1342.5	1331.7	1420.3	1420.3	1439.8	1448.4	1446.3	1454.9	1463.6	1461.4
5°	1130.6	1132.8	1141.5	1160.9	1167.4	1173.9	1195.5	1271.2	1398.7	1429.0	1429.0
7.5°	933.9	985.8	1050.7	1061.5	1100.4	1119.8	1143.6	1147.9	1061.5	1217.1	1232.2
10°	946.9	949.0	944.7	968.5	940.4	929.6	853.9	858.3	866.9	925.3	1042.0
12.5°	741.5	784.7	877.7	920.9	851.8	776.1	771.8	808.5	823.7	737.2	918.8
15°	847.4	851.8	853.9	856.1	635.6	737.2	644.2	592.3	663.7	836.6	951.2
17.5°	663.7	668.0	769.6	767.5	700.4	566.4	700.4	715.6	687.5	711.2	795.6
20°	778.3	780.4	773.9	601.0	614.0	694.0	603.2	601.0	635.6	819.3	925.3
22.5°	639.9	631.3	629.1	687.5	624.8	668.0	585.9	678.8	737.2	730.7	698.3
25°	802.0	799.9	767.5	598.8	639.9	566.4	685.3	575.0	637.7	884.2	925.3
27.5°	750.2	719.9	665.8	691.8	596.7	663.7	609.6	696.1	735.0	908.0	1072.3
30°	970.7	949.0	886.4	698.3	659.4	611.8	652.9	698.3	836.6	1169.6	1225.8
32.5°	1282.0	1258.2	1033.4	856.1	691.8	724.2	687.5	819.3	923.1	1193.3	1236.6
35°	1377.1	1344.7	1234.4	1037.7	793.4	769.6	732.9	825.8	936.1	1256.0	1256.0
37.5°	1431.1	1429.0	1377.1	1145.8	895.0	882.0	789.1	866.9	988.0	1316.6	1303.6
40°	1439.8	1450.6	1474.4	1240.9	1016.1	988.0	862.6	923.1	1061.5	1390.1	1364.1
42.5°	1511.1	1530.6	1584.6	1366.3	1137.1	1111.2	949.0	1005.3	1141.5	1498.2	1491.7
45°	1625.7	1645.2	1692.7	1504.6	1243.1	1225.8	1089.6	1124.2	1271.2	1688.4	1627.9
47.5°	1863.5	1867.8	1848.4	1619.2	1357.6	1357.6	1225.8	1258.2	1387.9	1863.5	1805.1
50°	2101.3	2075.4	1988.9	1755.4	1472.2	1504.6	1366.3	1441.9	1519.8	2040.8	1960.8
52.5°	2233.2	2228.9	2112.1	1859.2	1571.7	1634.4	1528.4	1593.3	1640.8	2220.2	2107.8
55°	2237.5	2231.0	2151.0	1908.9	1664.6	1768.4	1690.6	1774.9	1809.5	2360.7	2308.8
57.5°	2166.2	2183.5	2142.4	1937.0	1710.0	1898.1	1887.3	1978.1	1995.4	2527.2	2447.2
60°	2053.7	2051.6	2101.3	1963.0	1779.2	2021.3	2068.9	2161.8	2254.8	2654.7	2570.4
62.5°	1772.7	1792.2	1932.7	1963.0	1854.9	2181.3	2272.1	2369.4	2484.0	2771.5	2680.7
65°	1387.9	1398.7	1619.2	1820.3	1876.5	2395.3	2477.5	2574.8	2695.8	2890.4	2803.9
67.5°	838.8	910.1	1100.4	1498.2	1766.2	2652.6	2803.9	2845.0	2914.2	3024.4	2985.5
70°	477.8	499.4	590.2	942.6	1474.4	2734.7	3404.9	3331.4	3260.1	3286.0	3212.5
72.5°	363.2	376.2	417.2	557.8	882.0	2414.8	3910.8	4183.2	3876.2	3558.4	3206.0
75°	263.7	276.7	317.8	449.7	579.4	1547.9	3858.9	4604.7	4427.4	3571.4	2899.0
77.5°	164.3	166.5	190.2	382.6	521.0	776.1	3020.1	4101.0	4178.8	3335.7	2404.0
80°	114.6	116.7	121.1	205.4	479.9	622.6	2027.8	3011.4	3121.7	2321.8	1225.8
82.5°	82.1	86.5	90.8	121.1	311.3	594.5	1262.5	1895.9	1671.1	841.0	497.2
85°	43.2	47.6	58.4	73.5	125.4	646.4	756.6	964.2	763.1	341.6	296.2
87.5°	17.3	15.1	13.0	19.5	34.6	248.6	294.0	324.3	250.8	192.4	235.6
90°	15.1	13.0	8.6	10.8	15.1	88.6	185.9	207.5	172.9	188.1	237.8
92.5°	15.1	13.0	8.6	8.6	15.1	88.6	222.7	227.0	179.4	192.4	248.6
95°	15.1	15.1	8.6	8.6	15.1	80.0	263.7	259.4	185.9	203.2	263.7
97.5°	15.1	15.1	6.5	8.6	15.1	54.0	272.4	281.0	181.6	144.8	218.3
100°	15.1	15.1	6.5	6.5	13.0	34.6	190.2	205.4	134.0	47.6	54.0
102.5°	15.1	15.1	6.5	6.5	8.6	23.8	84.3	101.6	80.0	15.1	17.3
105°	15.1	17.3	4.3	4.3	6.5	13.0	36.8	41.1	32.4	10.8	19.5
107.5°	17.3	19.5	4.3	4.3	4.3	6.5	13.0	15.1	8.6	8.6	19.5
110°	19.5	19.5	4.3	4.3	4.3	6.5	4.3	4.3	6.5	8.6	21.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	15.1	13.0	2.2	4.3	4.3	4.3	4.3	4.3	4.3	8.6	21.6
115°	8.6	6.5	2.2	4.3	4.3	4.3	2.2	4.3	6.5	8.6	19.5
117.5°	8.6	6.5	2.2	2.2	2.2	4.3	2.2	2.2	6.5	10.8	23.8
120°	6.5	6.5	2.2	2.2	2.2	2.2	2.2	4.3	4.3	15.1	32.4
122.5°	6.5	6.5	2.2	2.2	2.2	2.2	2.2	4.3	4.3	15.1	32.4
125°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	4.3	4.3	13.0	30.3
127.5°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	4.3	4.3	10.8	23.8
130°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	4.3	2.2	10.8	19.5
132.5°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	6.5	15.1
135°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	10.8
137.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3
140°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	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	4.3	2.2	2.2	2.2	2.2	2.2
150°	4.3	4.3	8.6	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	8.6	8.6	8.6	6.5	2.2	2.2	4.3	6.5	2.2	2.2	2.2
155°	6.5	6.5	6.5	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
157.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	2.2	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°	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6	1463.6
2.5°	1454.9	1459.2	1454.9	1450.6	1446.3	1433.3	1344.7	1236.6	1227.9	1236.6	1232.2
5°	1418.2	1418.2	1416.0	1266.8	1178.2	1152.3	1145.8	1139.3	1126.3	1119.8	1124.2
7.5°	1223.6	1217.1	1141.5	1007.4	1091.7	1061.5	1044.2	1035.5	905.8	858.3	862.6
10°	1022.6	1022.6	849.6	802.0	797.7	810.7	899.3	892.8	875.5	864.7	875.5
12.5°	882.0	918.8	674.5	722.1	585.9	648.6	709.1	752.3	620.4	583.7	590.2
15°	936.1	923.1	741.5	566.4	516.7	544.8	436.7	546.9	538.3	521.0	518.8
17.5°	817.2	750.2	618.3	531.8	510.2	384.8	374.0	387.0	354.5	324.3	339.4
20°	888.5	851.8	655.0	473.4	393.5	350.2	263.7	246.4	313.5	328.6	326.4
22.5°	741.5	618.3	536.1	471.3	317.8	250.8	198.9	218.3	233.5	248.6	255.1
25°	871.2	804.2	585.9	352.4	257.3	183.8	179.4	162.1	244.3	278.9	276.7
27.5°	1005.3	910.1	564.2	330.8	185.9	157.8	144.8	164.3	170.8	192.4	205.4
30°	1124.2	1009.6	652.9	307.0	155.7	118.9	129.7	134.0	166.5	179.4	179.4
32.5°	1119.8	981.5	583.7	261.6	127.5	108.1	108.1	127.5	147.0	177.3	179.4
35°	1117.7	959.9	521.0	203.2	112.4	95.1	99.4	121.1	147.0	164.3	166.5
37.5°	1143.6	953.4	458.3	164.3	101.6	90.8	95.1	114.6	157.8	175.1	175.1
40°	1182.5	957.7	395.6	140.5	97.3	88.6	90.8	121.1	142.7	157.8	157.8
42.5°	1301.4	1020.4	341.6	129.7	97.3	86.5	86.5	112.4	144.8	170.8	172.9
45°	1390.1	1070.1	300.5	129.7	95.1	82.1	90.8	112.4	127.5	188.1	201.1
47.5°	1532.7	1160.9	261.6	129.7	95.1	80.0	84.3	110.3	134.0	216.2	224.8
50°	1675.4	1251.7	244.3	129.7	95.1	77.8	95.1	105.9	134.0	224.8	231.3
52.5°	1826.8	1364.1	233.5	129.7	95.1	82.1	103.8	127.5	144.8	201.1	198.9
55°	1982.4	1463.6	227.0	134.0	95.1	82.1	112.4	118.9	123.2	155.7	160.0
57.5°	2127.3	1584.6	240.0	134.0	93.0	86.5	105.9	116.7	108.1	136.2	138.4
60°	2241.8	1694.9	272.4	129.7	90.8	86.5	108.1	127.5	121.1	149.2	153.5
62.5°	2373.7	1811.6	348.1	131.9	90.8	88.6	121.1	138.4	123.2	147.0	155.7
65°	2546.6	1988.9	432.4	144.8	93.0	93.0	123.2	149.2	123.2	144.8	144.8
67.5°	2741.2	2153.2	432.4	168.6	99.4	99.4	123.2	157.8	131.9	144.8	144.8
70°	2883.9	2161.8	356.7	185.9	108.1	105.9	127.5	164.3	134.0	160.0	157.8
72.5°	2726.1	1926.2	296.2	183.8	116.7	110.3	144.8	168.6	136.2	181.6	179.4
75°	2393.2	1589.0	257.3	164.3	105.9	112.4	151.3	172.9	138.4	190.2	185.9
77.5°	1887.3	1158.7	218.3	138.4	93.0	108.1	155.7	177.3	142.7	201.1	198.9
80°	914.5	581.5	177.3	116.7	84.3	103.8	155.7	175.1	140.5	207.5	207.5
82.5°	412.9	289.7	121.1	80.0	84.3	105.9	160.0	177.3	140.5	203.2	201.1
85°	268.1	198.9	77.8	62.7	84.3	121.1	162.1	168.6	134.0	188.1	188.1
87.5°	201.1	138.4	41.1	38.9	93.0	131.9	162.1	155.7	129.7	177.3	172.9
90°	205.4	147.0	43.2	38.9	99.4	134.0	162.1	153.5	125.4	160.0	160.0
92.5°	222.7	162.1	49.7	43.2	101.6	121.1	153.5	138.4	116.7	138.4	136.2
95°	242.1	181.6	58.4	49.7	88.6	88.6	121.1	112.4	99.4	105.9	105.9
97.5°	177.3	129.7	51.9	54.0	67.0	56.2	80.0	75.7	51.9	47.6	45.4
100°	51.9	43.2	47.6	51.9	47.6	41.1	60.5	58.4	34.6	17.3	17.3
102.5°	19.5	21.6	43.2	47.6	36.8	30.3	43.2	47.6	28.1	4.3	6.5
105°	17.3	15.1	30.3	36.8	21.6	17.3	21.6	30.3	17.3	4.3	4.3
107.5°	19.5	15.1	15.1	19.5	8.6	8.6	8.6	10.8	6.5	4.3	4.3
110°	19.5	15.1	8.6	8.6	6.5	6.5	6.5	4.3	4.3	4.3	4.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.5	15.1	8.6	8.6	6.5	6.5	4.3	4.3	6.5	10.8	10.8
115°	21.6	17.3	8.6	6.5	4.3	6.5	4.3	2.2	6.5	15.1	15.1
117.5°	25.9	19.5	6.5	6.5	4.3	4.3	4.3	2.2	6.5	19.5	21.6
120°	32.4	23.8	8.6	4.3	4.3	4.3	4.3	2.2	8.6	21.6	23.8
122.5°	32.4	25.9	8.6	4.3	4.3	2.2	2.2	4.3	8.6	21.6	23.8
125°	30.3	23.8	8.6	4.3	4.3	2.2	2.2	2.2	10.8	21.6	23.8
127.5°	23.8	21.6	8.6	4.3	2.2	2.2	2.2	4.3	8.6	19.5	19.5
130°	19.5	17.3	6.5	4.3	2.2	2.2	2.2	2.2	8.6	15.1	17.3
132.5°	15.1	13.0	6.5	4.3	2.2	2.2	2.2	2.2	8.6	15.1	15.1
135°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	13.0
137.5°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	4.3	4.3
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	4.3
145°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	4.3	4.3
155°	6.5	6.5	6.5	4.3	2.2	0.0	0.0	0.0	2.2	2.2	4.3
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	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)