

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: P561172

Luminaire Tested: **SDL-PA1-80-830-U-T2R-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-80-830-U-T2R-A  
Description: Springdale  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6077.9 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - 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

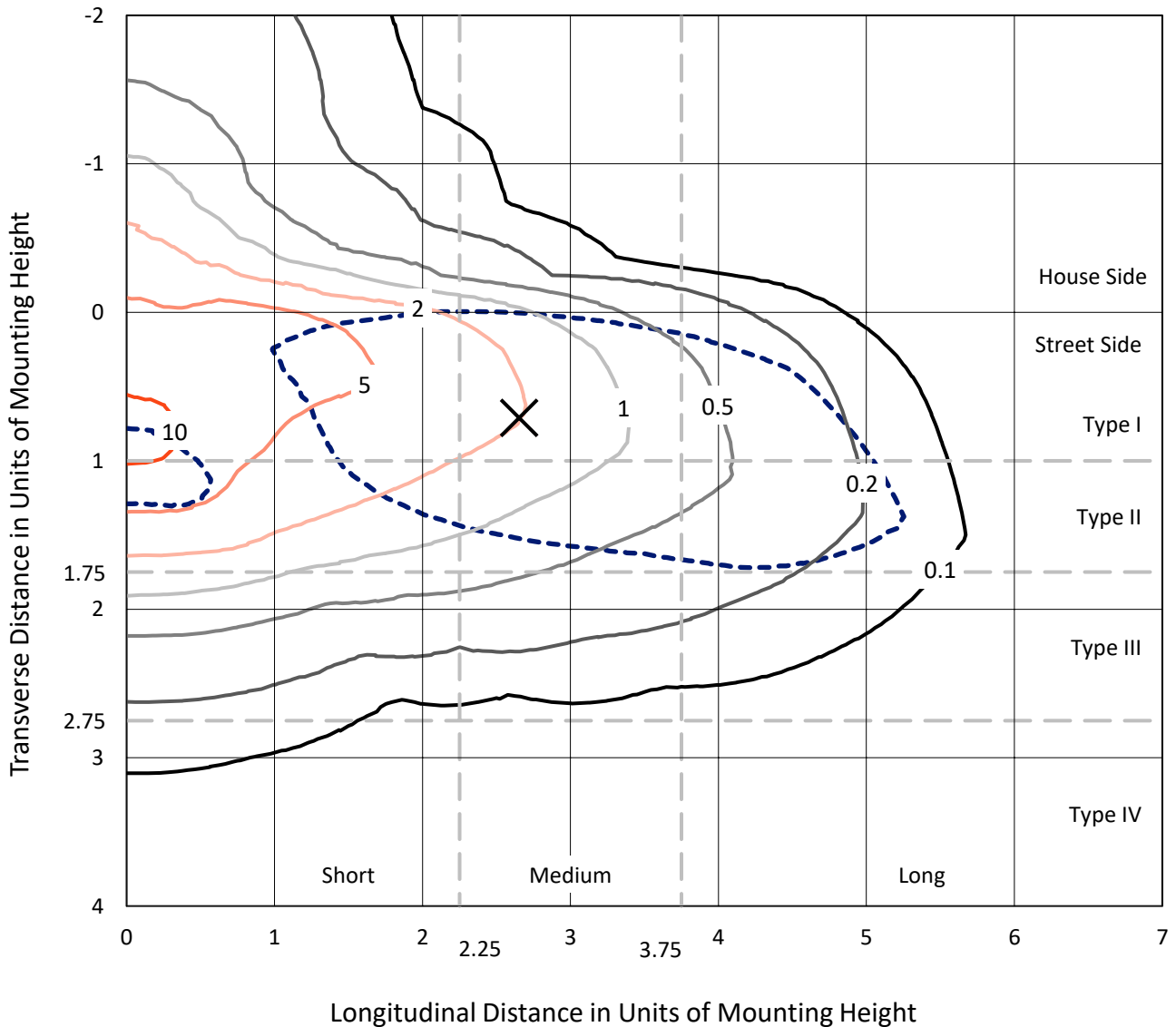


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### Iso-Footcandle Lines of Horizontal Illumination

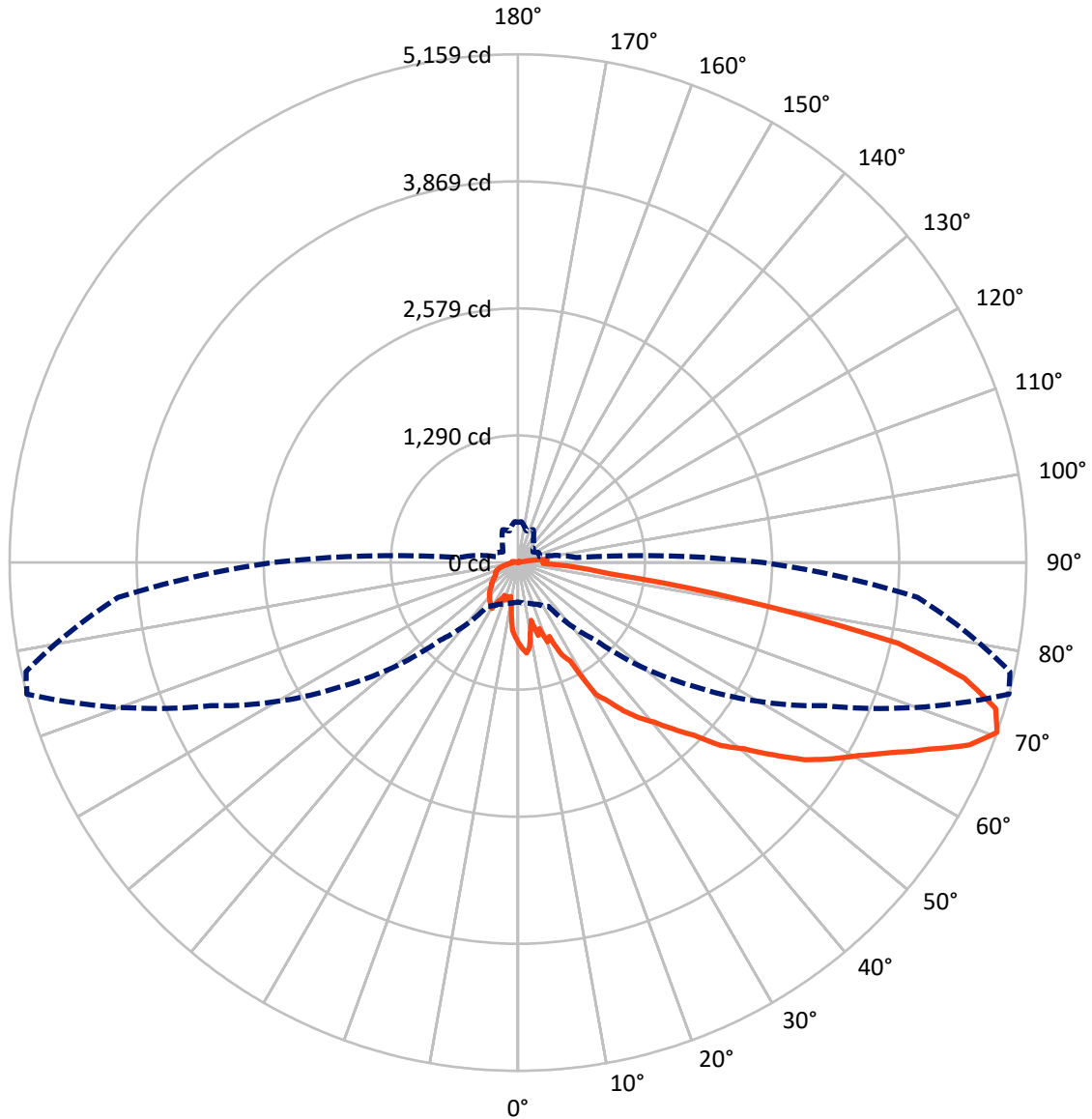
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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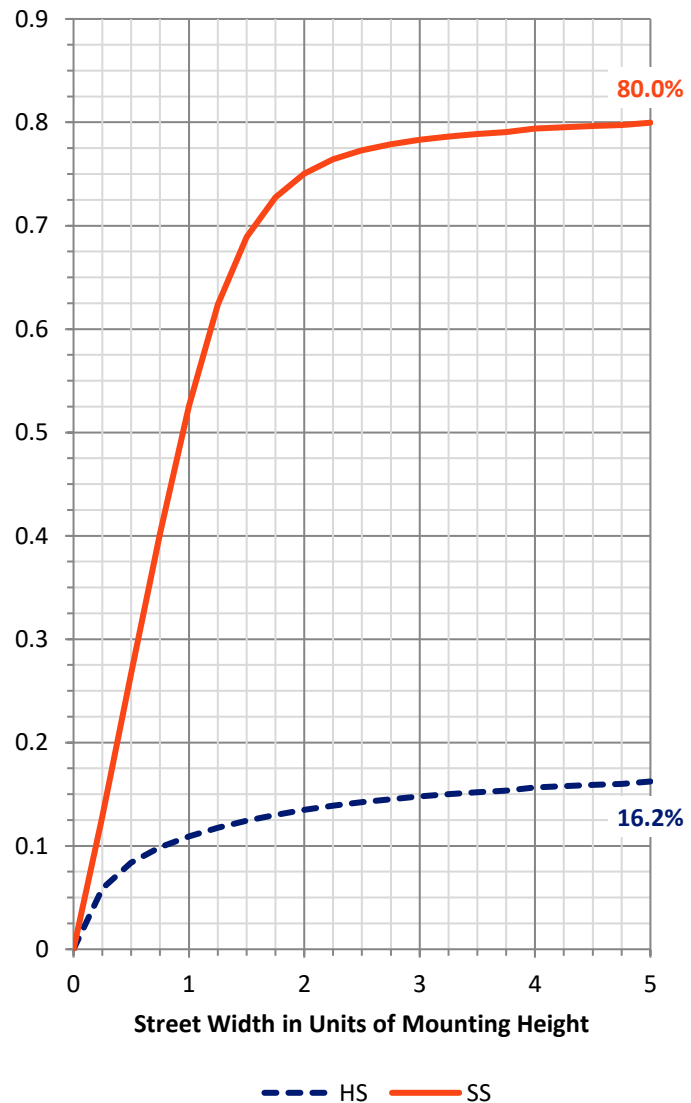
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1039.0	62.2	1101.2
	% Fixture	17.1	1.0	18.1
<b>Street Side</b>	Lumens	4898.0	78.7	4976.7
	% Fixture	80.6	1.3	81.9
<b>Total</b>	Lumens	5937.0	140.8	6077.9
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.8	1.1
10°-20°	177.3	2.9
20°-30°	320.1	5.3
30°-40°	654.0	10.8
40°-50°	1027.0	16.9
50°-60°	1261.1	20.7
60°-70°	1254.2	20.6
70°-80°	927.7	15.3
80°-90°	247.9	4.1
90°-100°	91.6	1.5
100°-110°	21.4	0.4
110°-120°	10.1	0.2
120°-130°	9.1	0.1
130°-140°	4.4	0.1
140°-150°	2.2	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5937.0	97.7
0°-180°	6077.9	100.0



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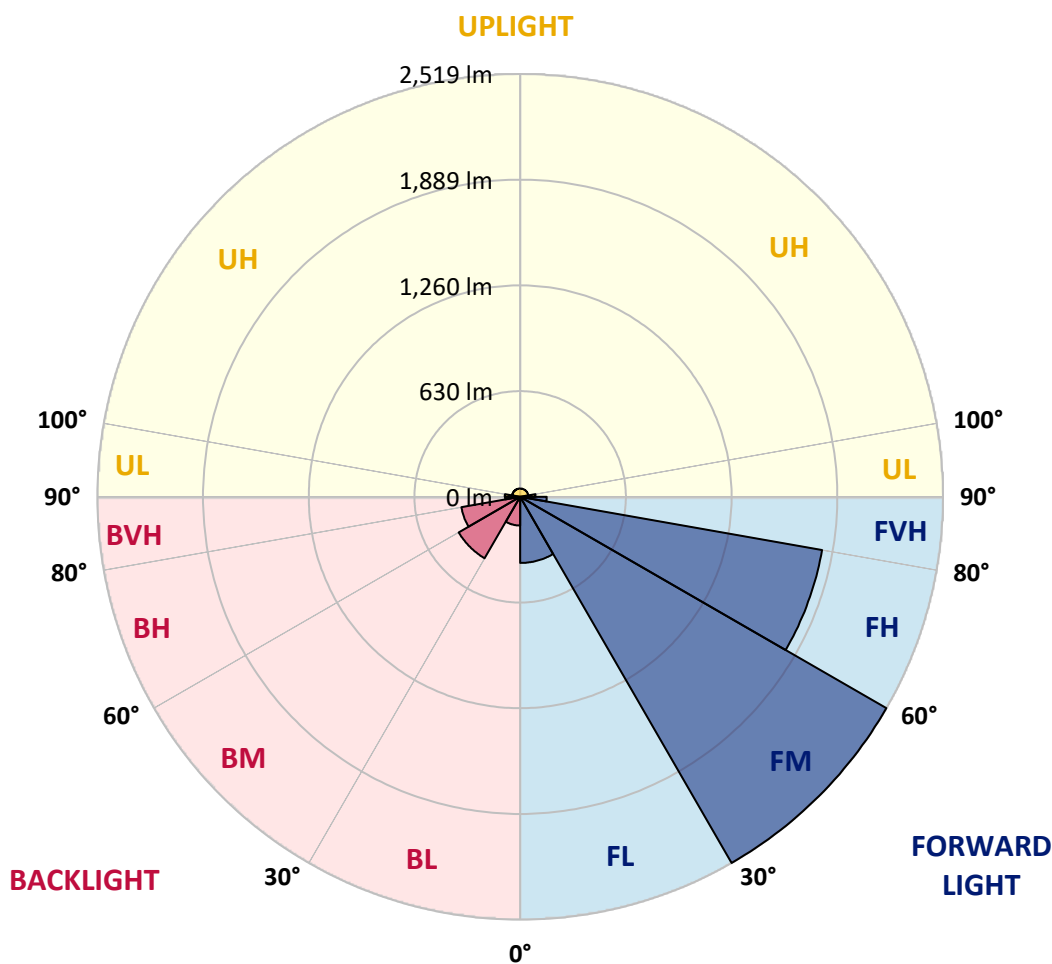
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	393.9	6.5			
FM (30°-60°)	2519.3	41.5			
FH (60°-80°)	1826.5	30.1			G2/5000
FVH (80°-90°)	158.2	2.6			G2/225
BL (0°-30°)	171.2	2.8	B1/500		
BM (30°-60°)	422.8	7.0	B1/1000		
BH (60°-80°)	355.4	5.8	B1/500		G1/500
BVH (80°-90°)	89.6	1.5			G1/100
UL (90°-100°)	91.6	1.5		U3/500	
UH (100°-180°)	49.2	0.8		U2/50	

**BUG Rating: B1-U3-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7
2.5°	845.5	893.0	914.4	938.2	959.5	947.7	928.7	900.2	874.0	864.5	836.0
5°	933.4	928.7	926.3	919.2	907.3	885.9	859.8	961.9	921.5	904.9	857.4
7.5°	821.8	952.4	966.7	980.9	976.2	950.0	916.8	824.2	859.8	838.4	779.0
10°	1004.7	1004.7	999.9	1004.7	950.0	907.3	776.7	722.0	695.9	752.9	698.3
12.5°	855.0	931.0	1026.0	1045.0	961.9	843.2	788.5	762.4	600.9	593.8	636.5
15°	995.2	1007.0	1009.4	1014.2	819.4	883.5	729.2	676.9	767.2	745.8	752.9
17.5°	800.4	812.3	966.7	957.2	881.2	705.4	852.7	764.8	705.4	679.3	669.8
20°	1007.0	1009.4	1002.3	809.9	850.3	921.5	798.0	774.3	859.8	857.4	821.8
22.5°	857.4	859.8	885.9	976.2	878.8	931.0	802.8	966.7	814.7	817.0	634.1
25°	1147.2	1149.5	1125.8	869.3	988.0	874.0	973.8	869.3	1040.3	1007.0	928.7
27.5°	1204.2	1116.3	1026.0	1078.3	942.9	1085.4	926.3	1052.2	1130.5	1123.4	1135.3
30°	1527.2	1531.9	1470.2	1180.4	1104.4	1071.2	1068.8	1249.3	1548.6	1560.4	1363.3
32.5°	2068.7	2040.2	1736.2	1455.9	1189.9	1306.3	1199.4	1446.4	1674.4	1667.3	1460.7
35°	2315.7	2287.2	2173.2	1797.9	1375.2	1410.8	1353.8	1539.1	1847.8	1793.2	1558.1
37.5°	2524.7	2520.0	2425.0	1980.8	1562.8	1615.1	1446.4	1653.1	1997.4	1940.4	1657.8
40°	2705.2	2688.6	2605.5	2144.7	1755.2	1757.6	1562.8	1790.8	2130.5	2144.7	1755.2
42.5°	2854.9	2840.6	2771.7	2308.6	1869.2	1883.4	1686.3	1930.9	2308.6	2334.7	1907.2
45°	2916.6	2923.7	2876.2	2455.8	1971.3	1997.4	1833.6	2073.5	2498.6	2520.0	2042.6
47.5°	2961.7	2964.1	2952.2	2577.0	2080.6	2092.5	1978.4	2201.7	2774.1	2731.3	2201.7
50°	2859.6	2850.1	2862.0	2669.6	2175.6	2189.8	2099.6	2334.7	2971.2	2916.6	2368.0
52.5°	2591.2	2603.1	2726.6	2622.1	2206.5	2235.0	2213.6	2451.1	3244.4	3201.6	2605.5
55°	1916.7	1968.9	2325.2	2427.3	2204.1	2254.0	2318.1	2672.0	3531.8	3467.6	2807.4
57.5°	1550.9	1550.9	1759.9	2094.8	2083.0	2242.1	2425.0	2821.6	3759.8	3714.6	3009.2
60°	1244.5	1244.5	1358.5	1662.6	1847.8	2182.7	2534.2	3042.5	3975.9	3949.8	3187.4
62.5°	976.2	973.8	1068.8	1239.8	1515.3	2052.1	2591.2	3232.5	4246.7	4241.9	3472.4
65°	705.4	714.9	795.7	902.5	1189.9	1807.4	2588.8	3403.5	4572.0	4586.3	3793.0
67.5°	522.5	527.3	572.4	650.8	817.0	1498.7	2474.8	3522.3	4940.2	4916.4	3997.3
70°	401.4	408.5	427.5	467.9	543.9	1113.9	2199.3	3439.1	5158.7	5113.6	4073.3
72.5°	337.3	339.6	337.3	358.6	363.4	755.3	1762.3	3123.2	5068.4	4997.2	3864.3
75°	287.4	285.0	282.6	287.4	268.4	498.8	1263.5	2643.5	4678.9	4555.4	3413.0
77.5°	247.0	244.6	235.1	237.5	213.8	368.1	862.2	2073.5	3942.6	3652.9	2565.1
80°	204.3	204.3	197.1	197.1	180.5	280.3	551.0	1429.8	2296.7	2066.3	1334.8
82.5°	159.1	156.8	156.8	161.5	154.4	218.5	361.0	712.5	947.7	888.3	624.6
85°	85.5	85.5	97.4	109.3	106.9	133.0	275.5	420.4	560.5	541.5	349.1
87.5°	26.1	26.1	28.5	35.6	38.0	71.3	173.4	204.3	254.1	280.3	275.5
90°	28.5	26.1	19.0	21.4	23.8	52.3	161.5	197.1	256.5	285.0	292.1
92.5°	33.3	30.9	19.0	19.0	23.8	42.8	154.4	192.4	280.3	308.8	315.9
95°	35.6	33.3	19.0	19.0	23.8	38.0	137.8	190.0	299.3	337.3	337.3
97.5°	33.3	30.9	14.3	16.6	21.4	33.3	106.9	156.8	209.0	230.4	266.0
100°	28.5	28.5	9.5	14.3	19.0	23.8	61.8	85.5	61.8	59.4	59.4
102.5°	26.1	26.1	9.5	11.9	14.3	16.6	28.5	45.1	14.3	16.6	21.4
105°	26.1	28.5	7.1	9.5	9.5	9.5	14.3	23.8	11.9	14.3	21.4
107.5°	26.1	28.5	7.1	7.1	9.5	7.1	7.1	9.5	11.9	14.3	23.8
110°	23.8	23.8	4.8	7.1	7.1	7.1	4.8	7.1	11.9	16.6	23.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	16.6	16.6	4.8	7.1	7.1	7.1	4.8	7.1	11.9	16.6	23.8
115°	11.9	9.5	4.8	7.1	4.8	7.1	4.8	7.1	11.9	16.6	21.4
117.5°	9.5	7.1	4.8	4.8	4.8	4.8	2.4	7.1	14.3	19.0	26.1
120°	9.5	9.5	4.8	4.8	4.8	4.8	2.4	7.1	21.4	23.8	33.3
122.5°	9.5	9.5	4.8	4.8	4.8	4.8	2.4	4.8	19.0	26.1	35.6
125°	9.5	9.5	4.8	4.8	4.8	4.8	2.4	4.8	16.6	23.8	30.9
127.5°	9.5	9.5	4.8	2.4	4.8	4.8	4.8	4.8	14.3	19.0	26.1
130°	9.5	9.5	4.8	2.4	4.8	4.8	4.8	4.8	11.9	14.3	21.4
132.5°	7.1	7.1	4.8	2.4	4.8	2.4	2.4	4.8	9.5	11.9	16.6
135°	4.8	4.8	4.8	2.4	4.8	2.4	2.4	2.4	4.8	7.1	11.9
137.5°	2.4	4.8	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8
140°	2.4	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	7.1	4.8	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	9.5	7.1	4.8	2.4	2.4	2.4	2.4	2.4
150°	11.9	11.9	11.9	9.5	7.1	4.8	7.1	2.4	2.4	2.4	2.4
152.5°	11.9	11.9	14.3	7.1	4.8	2.4	2.4	9.5	7.1	4.8	4.8
155°	9.5	7.1	7.1	2.4	2.4	2.4	2.4	2.4	7.1	9.5	9.5
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8	2.4	2.4
160°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7
2.5°	819.4	800.4	755.3	722.0	681.6	646.0	615.1	546.3	534.4	527.3	524.9
5°	819.4	779.0	691.2	584.3	501.1	482.1	472.6	472.6	467.9	470.3	472.6
7.5°	726.8	672.1	539.1	456.0	470.3	470.3	472.6	460.8	422.8	427.5	420.4
10°	636.5	567.6	406.1	370.5	406.1	408.5	463.1	484.5	491.6	494.0	494.0
12.5°	586.6	489.3	351.5	363.4	327.8	375.3	441.8	494.0	448.9	425.1	425.1
15°	674.5	579.5	394.3	318.3	323.0	375.3	334.9	467.9	484.5	489.3	489.3
17.5°	605.6	510.6	361.0	327.8	361.0	308.8	377.6	429.9	410.9	389.5	387.1
20°	726.8	603.3	403.8	320.6	318.3	365.8	334.9	351.5	439.4	441.8	439.4
22.5°	565.3	482.1	358.6	363.4	318.3	349.1	330.1	363.4	346.8	344.4	346.8
25°	783.8	624.6	413.3	313.5	332.5	308.8	332.5	306.4	368.1	372.9	375.3
27.5°	959.5	745.8	439.4	339.6	289.8	315.9	296.9	306.4	285.0	296.9	301.6
30°	1142.4	869.3	536.8	375.3	306.4	270.8	275.5	273.1	308.8	306.4	301.6
32.5°	1201.8	885.9	513.0	391.9	304.0	273.1	251.8	268.4	294.5	315.9	318.3
35°	1261.2	897.8	494.0	375.3	296.9	256.5	247.0	275.5	296.9	299.3	306.4
37.5°	1330.0	907.3	475.0	351.5	275.5	251.8	244.6	256.5	304.0	299.3	292.1
40°	1394.2	912.0	451.3	330.1	251.8	247.0	228.0	256.5	268.4	277.9	282.6
42.5°	1508.2	940.5	432.3	311.1	235.1	235.1	218.5	239.9	275.5	280.3	277.9
45°	1591.3	931.0	406.1	294.5	218.5	209.0	213.8	261.3	277.9	306.4	301.6
47.5°	1710.1	954.8	375.3	268.4	204.3	192.4	201.9	254.1	285.0	306.4	311.1
50°	1826.4	950.0	349.1	247.0	194.8	182.9	223.3	247.0	280.3	315.9	315.9
52.5°	1978.4	957.2	337.3	228.0	182.9	182.9	230.4	249.4	287.4	311.1	311.1
55°	2113.8	931.0	308.8	220.9	180.5	175.8	232.8	258.9	289.8	311.1	313.5
57.5°	2213.6	878.8	287.4	213.8	178.1	180.5	232.8	280.3	270.8	311.1	318.3
60°	2322.8	821.8	268.4	213.8	178.1	187.6	239.9	296.9	296.9	325.4	325.4
62.5°	2472.5	786.2	258.9	216.1	173.4	194.8	261.3	323.0	299.3	344.4	346.8
65°	2598.3	738.7	251.8	225.6	175.8	204.3	273.1	344.4	313.5	365.8	363.4
67.5°	2600.7	667.4	242.3	235.1	178.1	211.4	273.1	358.6	330.1	384.8	377.6
70°	2486.7	596.1	228.0	235.1	185.3	218.5	273.1	368.1	332.5	415.6	408.5
72.5°	2242.1	486.9	206.6	225.6	197.1	228.0	287.4	365.8	332.5	448.9	441.8
75°	1907.2	389.5	178.1	206.6	197.1	239.9	296.9	363.4	320.6	427.5	413.3
77.5°	1451.2	318.3	149.6	180.5	187.6	244.6	296.9	358.6	311.1	399.0	389.5
80°	748.2	223.3	121.1	154.4	175.8	239.9	294.5	339.6	277.9	353.9	349.1
82.5°	410.9	163.9	97.4	114.0	147.3	225.6	285.0	306.4	244.6	289.8	277.9
85°	266.0	118.8	78.4	92.6	123.5	187.6	239.9	242.3	173.4	209.0	197.1
87.5°	199.5	68.9	49.9	57.0	85.5	104.5	152.0	156.8	109.3	128.3	121.1
90°	209.0	68.9	52.3	59.4	76.0	78.4	111.6	118.8	85.5	97.4	97.4
92.5°	223.3	68.9	54.6	61.8	68.9	61.8	87.9	97.4	71.3	78.4	76.0
95°	228.0	66.5	59.4	64.1	61.8	49.9	71.3	78.4	59.4	59.4	59.4
97.5°	166.3	47.5	59.4	64.1	57.0	40.4	54.6	61.8	38.0	30.9	30.9
100°	45.1	23.8	57.0	61.8	49.9	33.3	47.5	47.5	23.8	16.6	16.6
102.5°	19.0	19.0	49.9	54.6	38.0	21.4	33.3	33.3	16.6	7.1	7.1
105°	19.0	14.3	35.6	40.4	26.1	11.9	16.6	19.0	11.9	7.1	7.1
107.5°	19.0	14.3	16.6	21.4	11.9	9.5	9.5	9.5	7.1	7.1	7.1
110°	21.4	14.3	9.5	11.9	9.5	7.1	7.1	7.1	7.1	9.5	11.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	16.6	9.5	11.9	9.5	7.1	7.1	7.1	9.5	21.4	21.4
115°	21.4	14.3	9.5	9.5	7.1	7.1	4.8	4.8	9.5	26.1	26.1
117.5°	23.8	16.6	9.5	9.5	7.1	4.8	4.8	4.8	11.9	30.9	30.9
120°	28.5	19.0	9.5	7.1	4.8	4.8	4.8	4.8	14.3	33.3	33.3
122.5°	30.9	21.4	9.5	7.1	4.8	2.4	4.8	7.1	16.6	33.3	33.3
125°	26.1	19.0	9.5	7.1	4.8	2.4	4.8	7.1	16.6	30.9	33.3
127.5°	23.8	16.6	9.5	4.8	4.8	2.4	2.4	7.1	14.3	23.8	28.5
130°	19.0	14.3	7.1	4.8	4.8	2.4	2.4	4.8	14.3	21.4	26.1
132.5°	16.6	11.9	7.1	4.8	4.8	2.4	2.4	4.8	14.3	19.0	19.0
135°	11.9	9.5	4.8	4.8	4.8	2.4	4.8	2.4	9.5	16.6	16.6
137.5°	7.1	4.8	4.8	4.8	4.8	2.4	2.4	2.4	7.1	9.5	9.5
140°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
142.5°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
145°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4	4.8
147.5°	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4	4.8
150°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	4.8	4.8	4.8	4.8
152.5°	2.4	2.4	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8	4.8
155°	7.1	7.1	4.8	4.8	2.4	2.4	0.0	2.4	4.8	4.8	4.8
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
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)