

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: P561185

Luminaire Tested: **SDL-PA1-80-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561185  
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-PA1-80-830-U-T4W-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 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: 5028.5 lumens  
Efficiency: N/A  
Efficacy: 61.3 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

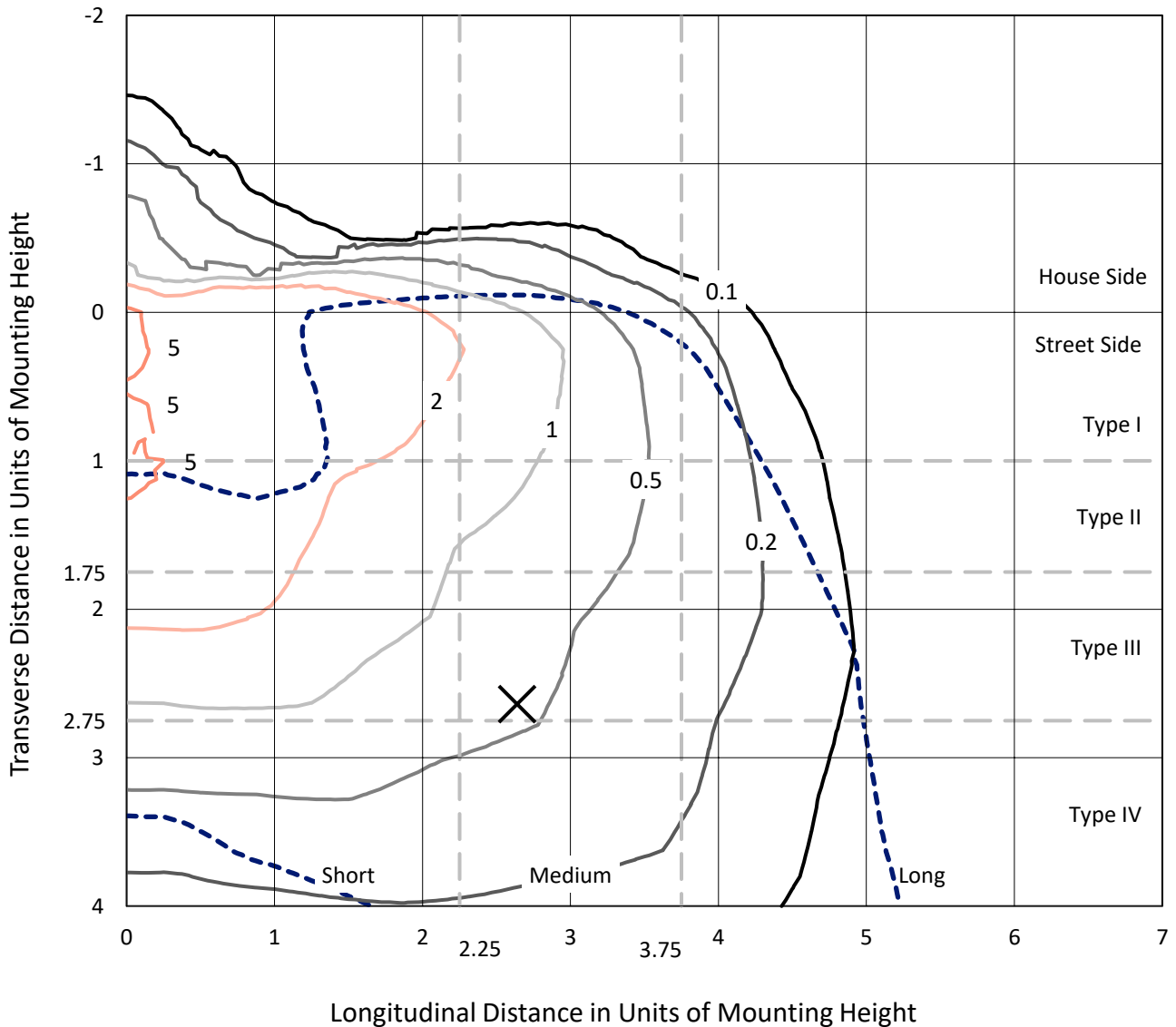
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

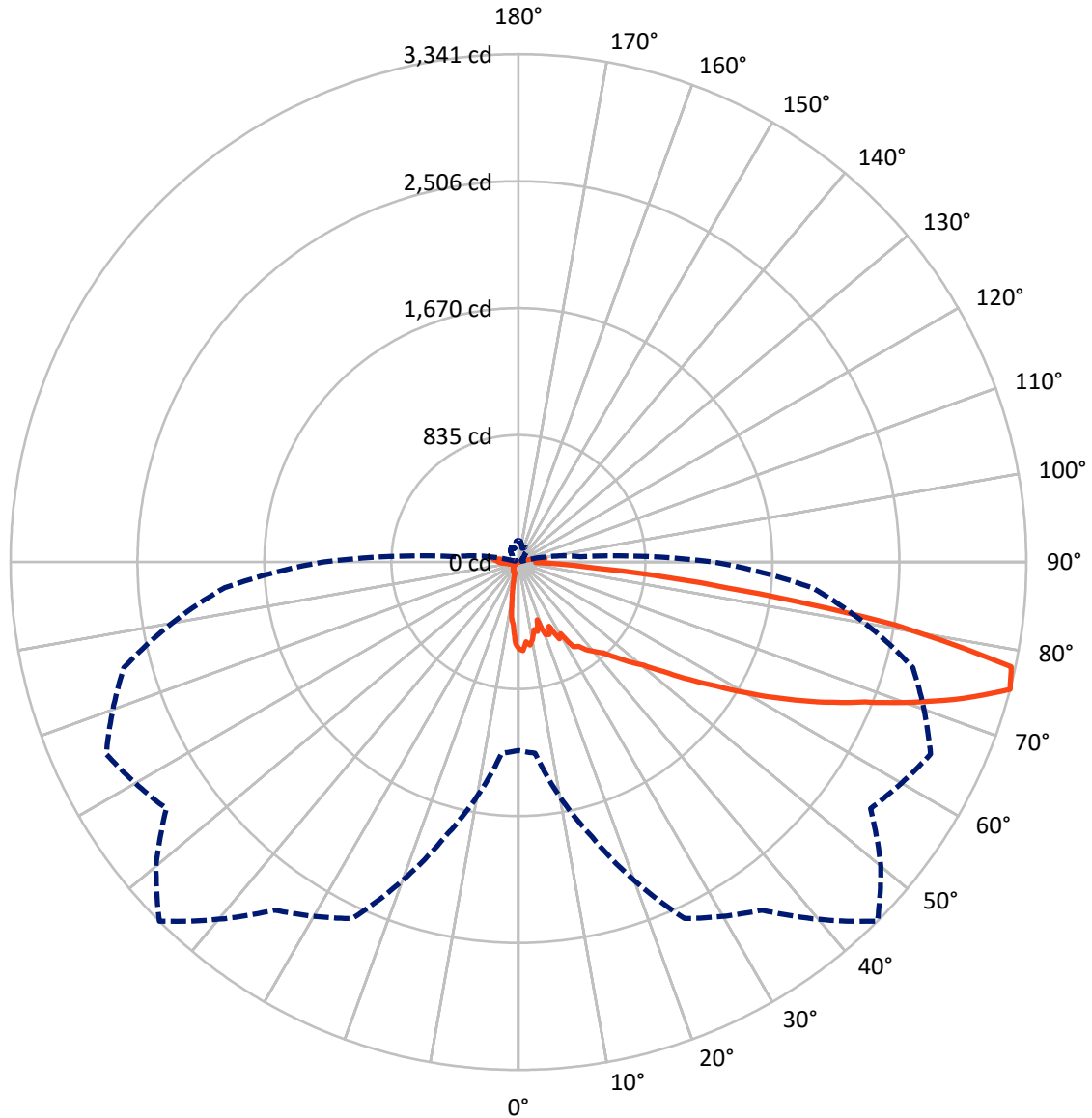
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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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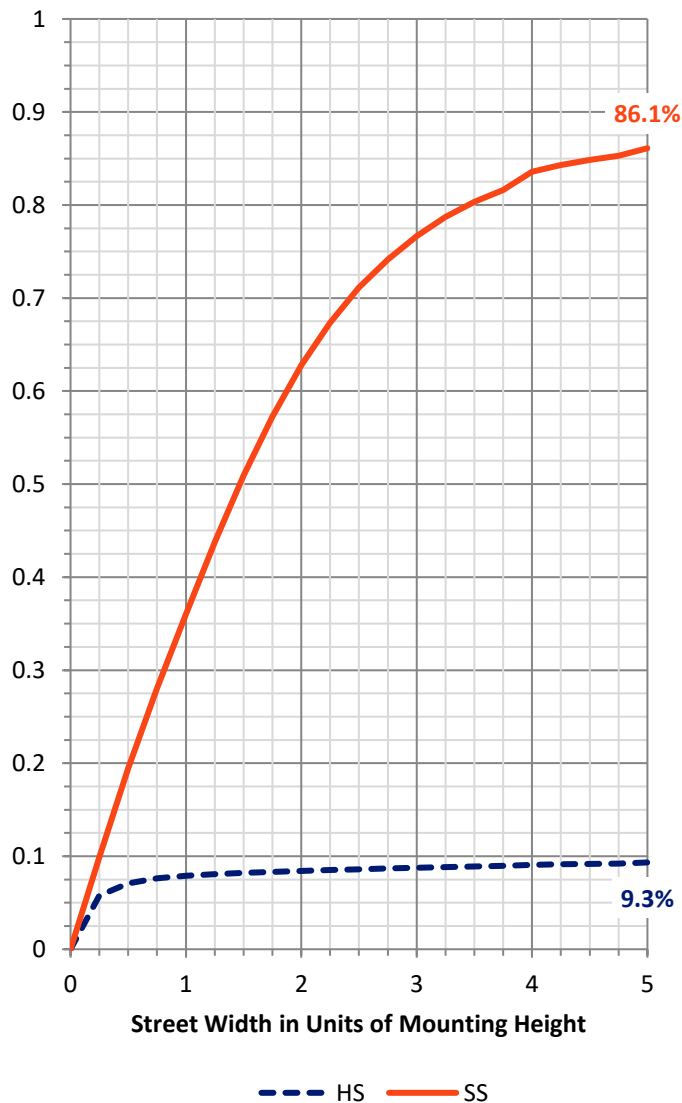
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	516.0	90.3	606.3
	% Fixture	10.3	1.8	12.1
<b>Street Side</b>	Lumens	4352.4	69.8	4422.2
	% Fixture	86.6	1.4	87.9
<b>Total</b>	Lumens	4868.4	160.1	5028.5
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.5	0.9
10°-20°	96.2	1.9
20°-30°	161.4	3.2
30°-40°	299.3	6.0
40°-50°	504.4	10.0
50°-60°	905.3	18.0
60°-70°	1359.4	27.0
70°-80°	1243.6	24.7
80°-90°	254.3	5.1
90°-100°	121.7	2.4
100°-110°	25.9	0.5
110°-120°	4.9	0.1
120°-130°	3.9	0.1
130°-140°	1.8	0.0
140°-150°	0.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4868.4	96.8
0°-180°	5028.5	100.0

**Coefficient of Utilization**



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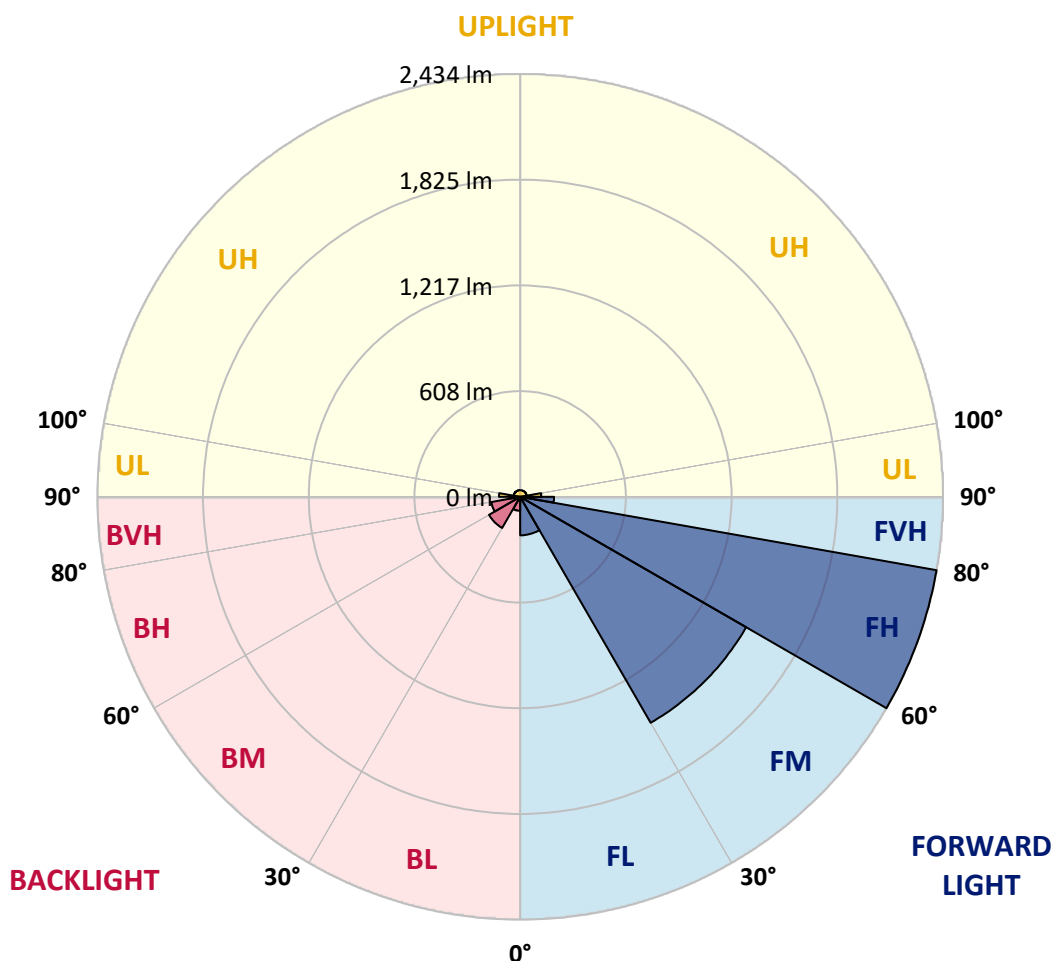
CATALOG NUMBER: SDL-PA1-80-830-U-T4W-HSS-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.5	4.4			
FM	(30°-60°)	1502.0	29.9			
FH	(60°-80°)	2433.9	48.4			G2/5000
FVH	(80°-90°)	195.0	3.9			G2/225
BL	(0°-30°)	80.6	1.6	B0/110		
BM	(30°-60°)	207.0	4.1	B0/220		
BH	(60°-80°)	169.1	3.4	B1/500		G1/500
BVH	(80°-90°)	59.3	1.2			G1/100
UL	(90°-100°)	121.7	2.4		U3/500	
UH	(100°-180°)	38.4	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°	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0
2.5°	556.8	583.7	575.6	589.1	586.4	583.7	583.7	586.4	583.7	578.3	573.0
5°	567.6	559.5	554.1	551.4	540.7	527.2	521.8	516.5	573.0	573.0	562.2
7.5°	583.7	583.7	573.0	564.9	564.9	551.4	538.0	527.2	500.3	492.3	492.3
10°	621.4	616.0	607.9	591.8	511.1	513.8	484.2	425.0	398.1	408.9	425.0
12.5°	629.4	626.8	616.0	613.3	538.0	457.3	379.3	425.0	406.2	338.9	376.6
15°	675.2	669.8	648.3	610.6	460.0	473.4	441.1	379.3	363.1	414.2	443.8
17.5°	575.6	575.6	645.6	591.8	500.3	398.1	395.4	441.1	398.1	371.2	368.5
20°	707.4	707.4	677.9	484.2	513.8	508.4	408.9	462.7	390.0	441.1	470.7
22.5°	589.1	586.4	607.9	599.9	492.3	519.2	419.6	422.3	465.4	398.1	341.6
25°	718.2	718.2	702.1	521.8	559.5	468.0	478.8	505.7	414.2	503.0	508.4
27.5°	618.7	616.0	586.4	597.2	521.8	573.0	435.8	476.1	508.4	543.4	597.2
30°	755.9	761.2	747.8	567.6	581.0	546.1	519.2	551.4	616.0	723.6	758.6
32.5°	933.4	938.8	796.2	683.2	583.7	664.4	556.8	607.9	707.4	758.6	796.2
35°	1038.3	998.0	936.1	763.9	629.4	680.5	640.2	648.3	737.0	817.7	844.6
37.5°	1127.1	1073.3	1000.6	788.1	664.4	734.3	667.1	677.9	798.9	871.5	906.5
40°	1156.7	1124.4	1084.0	841.9	707.4	774.7	699.4	723.6	858.1	941.5	995.3
42.5°	1229.3	1232.0	1207.8	917.3	753.2	817.7	753.2	769.3	936.1	1038.3	1116.3
45°	1423.0	1428.3	1401.4	1046.4	809.7	893.1	839.3	847.3	1024.9	1186.3	1285.8
47.5°	1670.4	1651.6	1624.7	1218.5	895.7	979.1	938.8	930.7	1129.8	1379.9	1468.7
50°	1920.6	1885.6	1829.1	1455.2	1043.7	1067.9	1041.0	1035.6	1256.2	1579.0	1675.8
52.5°	2181.5	2154.6	2036.3	1678.5	1264.3	1197.0	1167.4	1197.0	1420.3	1799.6	1888.3
55°	2318.7	2291.8	2216.5	1917.9	1476.8	1363.8	1312.7	1366.5	1673.1	2006.7	2122.3
57.5°	2431.7	2423.6	2388.6	2168.1	1735.0	1541.3	1490.2	1541.3	1874.9	2200.4	2337.5
60°	2593.1	2560.8	2593.1	2410.2	1985.2	1759.2	1689.3	1743.1	2122.3	2369.8	2574.3
62.5°	2708.7	2700.7	2765.2	2681.8	2195.0	1987.8	1885.6	1936.7	2340.2	2550.0	2808.3
65°	2585.0	2625.4	2883.6	2859.4	2431.7	2221.9	2114.3	2098.1	2517.8	2743.7	3058.4
67.5°	2364.4	2391.3	2767.9	2950.8	2638.8	2458.6	2329.5	2254.2	2681.8	2918.6	3257.5
70°	2154.6	2186.9	2531.2	2956.2	2738.3	2762.5	2582.3	2442.4	2845.9	3114.9	3300.5
72.5°	1987.8	2017.4	2326.8	2891.7	2773.3	3066.5	2859.4	2641.5	3004.6	3120.3	2883.6
75°	1240.1	1261.6	1872.2	2587.7	2794.8	3340.9	3112.2	2827.1	2991.2	2687.2	1939.4
77.5°	382.0	390.0	801.6	1708.1	2429.0	3314.0	3069.2	2657.6	2507.0	1705.4	885.0
80°	131.8	134.5	207.1	607.9	1452.6	2515.1	2340.2	1955.6	1498.3	629.4	333.5
82.5°	61.9	67.2	96.8	204.4	591.8	1374.5	1382.6	1162.0	629.4	279.8	226.0
85°	21.5	21.5	40.3	88.8	228.6	529.9	503.0	468.0	330.9	252.9	209.8
87.5°	8.1	8.1	13.4	24.2	56.5	113.0	142.6	174.8	174.8	177.5	212.5
90°	8.1	8.1	5.4	5.4	40.3	118.4	142.6	158.7	145.3	161.4	231.3
92.5°	8.1	8.1	5.4	5.4	43.0	137.2	158.7	172.2	153.3	172.2	255.5
95°	8.1	8.1	5.4	5.4	48.4	166.8	185.6	182.9	153.3	180.2	274.4
97.5°	10.8	10.8	5.4	2.7	43.0	177.5	199.1	193.7	131.8	137.2	215.2
100°	10.8	10.8	5.4	2.7	26.9	131.8	158.7	156.0	86.1	21.5	61.9
102.5°	10.8	10.8	5.4	2.7	5.4	61.9	75.3	78.0	51.1	8.1	10.8
105°	13.4	13.4	5.4	2.7	2.7	10.8	24.2	32.3	18.8	5.4	10.8
107.5°	13.4	13.4	5.4	2.7	2.7	5.4	5.4	8.1	8.1	5.4	13.4
110°	13.4	13.4	5.4	5.4	2.7	2.7	2.7	2.7	5.4	5.4	13.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.8	10.8	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4	13.4
115°	5.4	5.4	2.7	2.7	0.0	2.7	2.7	2.7	2.7	5.4	10.8
117.5°	2.7	2.7	0.0	2.7	0.0	2.7	2.7	2.7	5.4	5.4	13.4
120°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.1	16.1
122.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.1	16.1
125°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.1	16.1
127.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	8.1	13.4
130°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.4	10.8
132.5°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	5.4	8.1
135°	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	5.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.1	8.1	5.4	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
152.5°	5.4	5.4	8.1	2.7	0.0	0.0	2.7	2.7	5.4	2.7	2.7
155°	5.4	5.4	2.7	0.0	0.0	0.0	0.0	2.7	2.7	5.4	5.4
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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°	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0	573.0
2.5°	567.6	564.9	556.8	551.4	543.4	535.3	494.9	470.7	468.0	465.4	468.0
5°	556.8	548.7	535.3	473.4	443.8	416.9	408.9	403.5	390.0	390.0	392.7
7.5°	481.5	476.1	433.1	414.2	390.0	365.8	344.3	328.2	287.8	274.4	269.0
10°	422.3	411.6	336.2	298.6	274.4	247.5	247.5	226.0	215.2	207.1	204.4
12.5°	365.8	357.8	295.9	271.7	204.4	177.5	164.1	150.6	142.6	137.2	134.5
15°	427.7	414.2	317.4	217.9	150.6	126.4	99.5	96.8	121.0	126.4	129.1
17.5°	341.6	349.7	282.4	191.0	123.7	78.0	86.1	102.2	115.7	115.7	113.0
20°	454.6	435.8	306.7	153.3	88.8	78.0	83.4	75.3	107.6	115.7	115.7
22.5°	330.9	314.7	252.9	142.6	69.9	75.3	69.9	88.8	99.5	88.8	91.5
25°	492.3	468.0	293.2	99.5	72.6	64.6	80.7	69.9	96.8	104.9	107.6
27.5°	610.6	529.9	287.8	94.1	64.6	72.6	67.2	80.7	78.0	83.4	83.4
30°	729.0	683.2	325.5	86.1	64.6	61.9	69.9	69.9	88.8	96.8	96.8
32.5°	780.1	726.3	285.1	83.4	64.6	61.9	61.9	75.3	83.4	99.5	99.5
35°	833.9	761.2	239.4	78.0	61.9	59.2	59.2	75.3	88.8	99.5	102.2
37.5°	906.5	798.9	193.7	75.3	59.2	56.5	51.1	67.2	94.1	104.9	107.6
40°	998.0	852.7	150.6	69.9	53.8	51.1	48.4	67.2	80.7	94.1	94.1
42.5°	1140.5	911.9	118.4	67.2	51.1	45.7	45.7	56.5	78.0	88.8	88.8
45°	1285.8	981.8	99.5	64.6	48.4	43.0	43.0	56.5	59.2	75.3	75.3
47.5°	1447.2	1051.8	91.5	61.9	48.4	37.7	37.7	51.1	51.1	69.9	72.6
50°	1614.0	1110.9	86.1	59.2	43.0	35.0	43.0	35.0	43.0	67.2	72.6
52.5°	1759.2	1159.4	80.7	53.8	40.3	32.3	40.3	35.0	43.0	61.9	61.9
55°	1907.2	1186.3	78.0	51.1	37.7	26.9	40.3	37.7	40.3	56.5	56.5
57.5°	2039.0	1194.3	75.3	51.1	32.3	24.2	37.7	45.7	35.0	45.7	51.1
60°	2157.3	1186.3	67.2	45.7	24.2	24.2	40.3	53.8	48.4	53.8	53.8
62.5°	2267.6	1156.7	53.8	37.7	18.8	24.2	51.1	59.2	45.7	56.5	61.9
65°	2361.7	1116.3	40.3	29.6	13.4	26.9	53.8	67.2	53.8	64.6	69.9
67.5°	2404.8	1062.5	32.3	24.2	13.4	29.6	56.5	75.3	61.9	72.6	78.0
70°	2332.2	952.2	26.9	24.2	10.8	35.0	59.2	80.7	69.9	91.5	94.1
72.5°	1936.7	747.8	24.2	24.2	18.8	43.0	75.3	91.5	86.1	123.7	121.0
75°	1283.1	408.9	24.2	21.5	24.2	51.1	91.5	107.6	94.1	139.9	139.9
77.5°	591.8	180.2	21.5	24.2	26.9	56.5	104.9	129.1	107.6	158.7	156.0
80°	258.2	110.3	21.5	21.5	29.6	61.9	118.4	145.3	118.4	174.8	174.8
82.5°	193.7	99.5	18.8	21.5	40.3	69.9	137.2	161.4	131.8	188.3	185.6
85°	180.2	94.1	21.5	24.2	45.7	88.8	161.4	174.8	137.2	193.7	193.7
87.5°	182.9	91.5	21.5	24.2	61.9	113.0	182.9	188.3	150.6	204.4	204.4
90°	188.3	94.1	24.2	26.9	69.9	123.7	204.4	201.7	169.5	215.2	215.2
92.5°	201.7	94.1	26.9	29.6	75.3	137.2	223.3	207.1	182.9	223.3	217.9
95°	209.8	94.1	29.6	32.3	88.8	150.6	236.7	201.7	193.7	207.1	201.7
97.5°	156.0	69.9	35.0	37.7	91.5	169.5	217.9	172.2	126.4	123.7	126.4
100°	51.1	24.2	37.7	40.3	59.2	118.4	161.4	123.7	67.2	51.1	51.1
102.5°	13.4	13.4	35.0	37.7	32.3	51.1	94.1	80.7	45.7	2.7	5.4
105°	13.4	10.8	21.5	29.6	18.8	13.4	37.7	45.7	35.0	2.7	2.7
107.5°	13.4	10.8	10.8	16.1	5.4	5.4	10.8	10.8	10.8	2.7	2.7
110°	13.4	10.8	5.4	5.4	5.4	5.4	5.4	2.7	2.7	5.4	5.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.1	10.8	5.4	5.4	5.4	2.7	2.7	2.7	2.7	8.1	10.8
115°	13.4	10.8	2.7	5.4	2.7	2.7	2.7	2.7	5.4	10.8	13.4
117.5°	13.4	10.8	2.7	2.7	2.7	2.7	2.7	2.7	5.4	13.4	16.1
120°	16.1	13.4	2.7	2.7	2.7	2.7	2.7	2.7	5.4	16.1	16.1
122.5°	16.1	13.4	2.7	2.7	2.7	2.7	0.0	2.7	8.1	16.1	16.1
125°	16.1	13.4	2.7	2.7	2.7	0.0	0.0	2.7	8.1	16.1	18.8
127.5°	13.4	10.8	2.7	2.7	2.7	0.0	0.0	2.7	5.4	13.4	16.1
130°	10.8	8.1	2.7	2.7	2.7	0.0	0.0	0.0	5.4	13.4	13.4
132.5°	8.1	5.4	2.7	2.7	2.7	0.0	0.0	0.0	5.4	10.8	10.8
135°	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0	2.7	8.1	8.1
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	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

(END OF REPORT)