

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: P560117

Luminaire Tested: **SDL-PA1-20-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560117  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-830-U-T2R-HSS-A  
Description: Springdale  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,  
HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1664.8 lumens  
Efficiency: N/A  
Efficacy: 79.3 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: B0 - U2 - G1

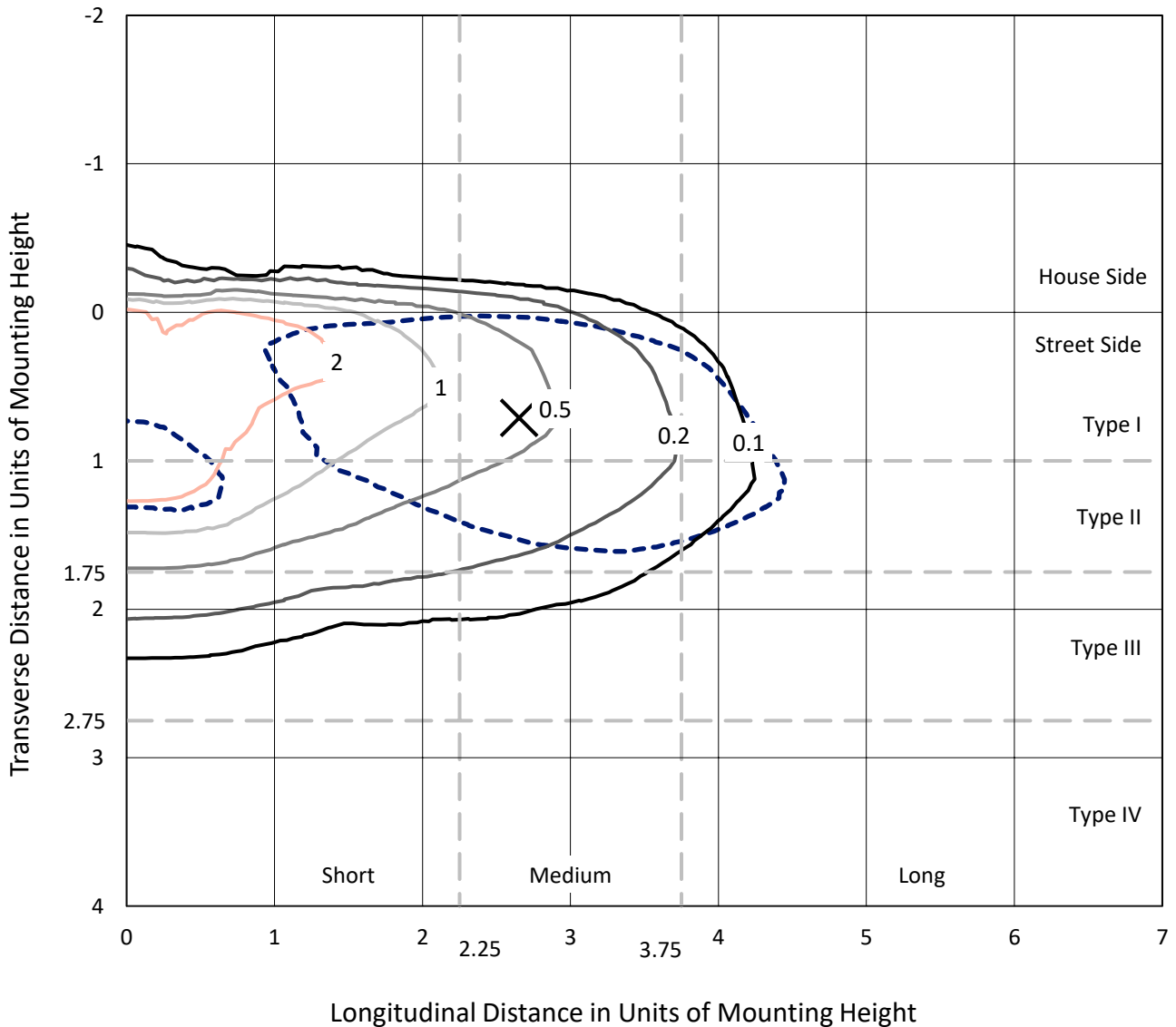
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

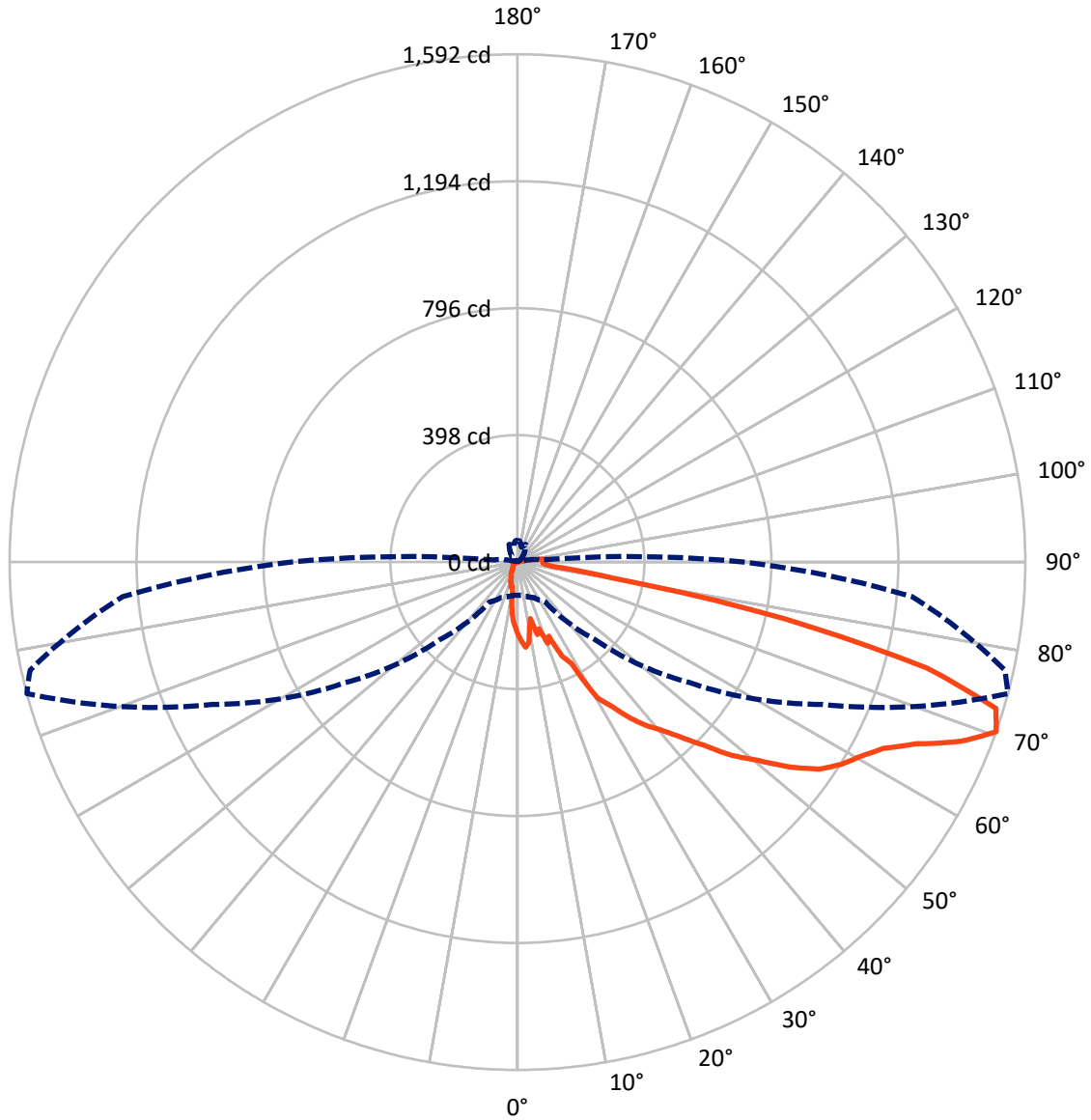
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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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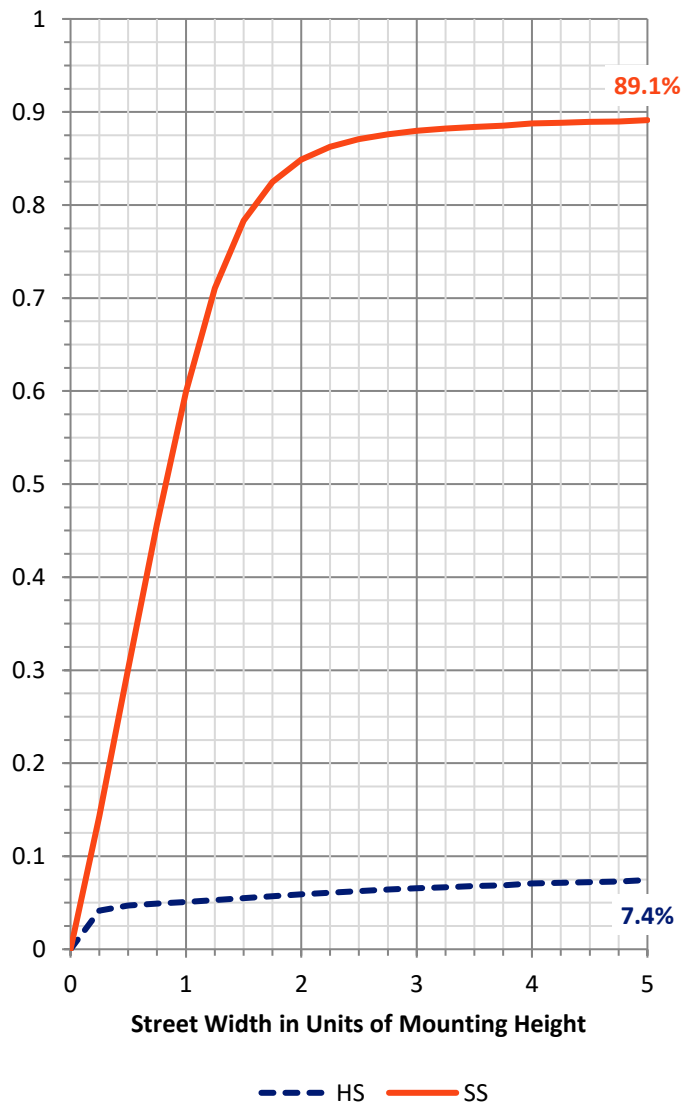
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	135.7	16.9	152.5
	% Fixture	8.1	1.0	9.2
<b>Street Side</b>	Lumens	1491.1	21.2	1512.3
	% Fixture	89.6	1.3	90.8
<b>Total</b>	Lumens	1626.7	38.1	1664.8
	% Fixture	97.7	2.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.0	1.1
10°-20°	43.9	2.6
20°-30°	82.4	4.9
30°-40°	184.9	11.1
40°-50°	304.3	18.3
50°-60°	373.0	22.4
60°-70°	349.3	21.0
70°-80°	227.5	13.7
80°-90°	43.5	2.6
90°-100°	24.9	1.5
100°-110°	5.6	0.3
110°-120°	2.9	0.2
120°-130°	2.4	0.1
130°-140°	1.2	0.1
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1626.7	97.7
0°-180°	1664.8	100.0

**Coefficient of Utilization**



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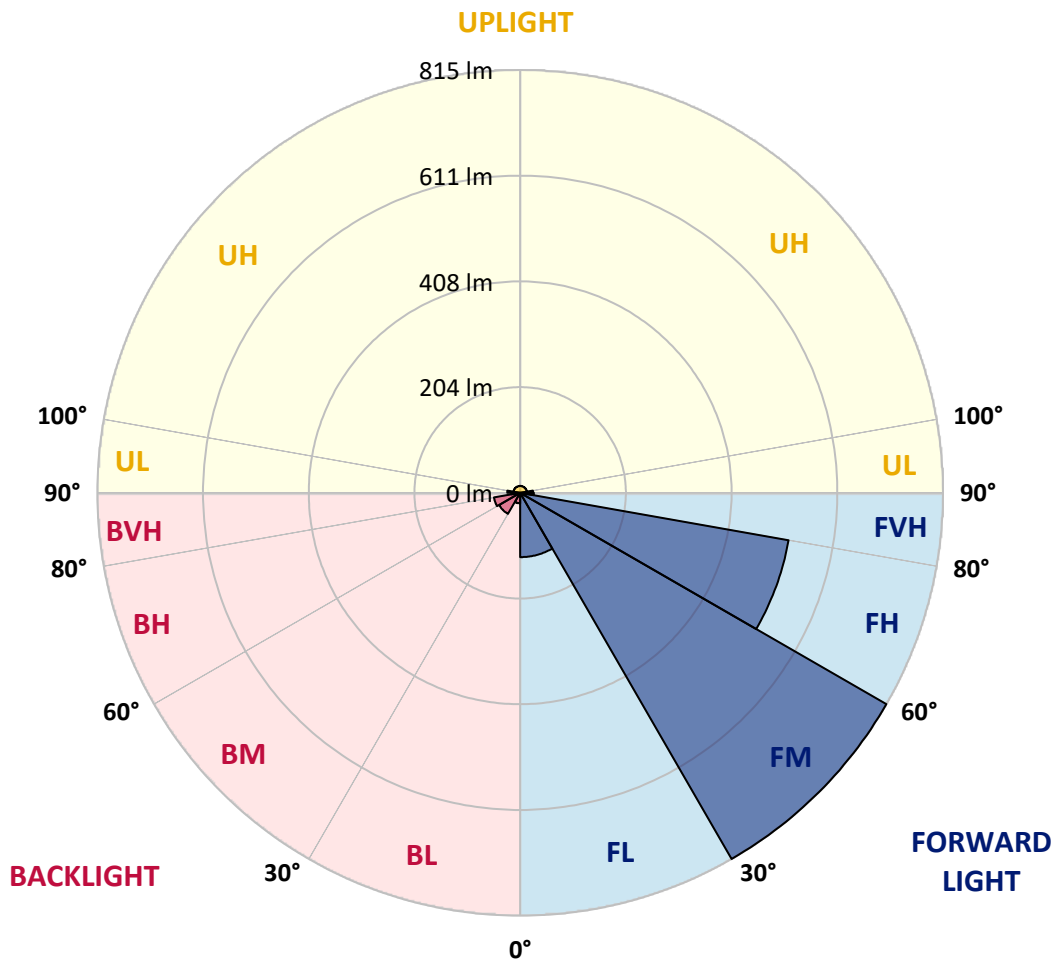
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.0	7.4			
FM	(30°-60°)	815.3	49.0			
FH	(60°-80°)	525.5	31.6			G0/660
FVH	(80°-90°)	26.3	1.6			G1/100
BL	(0°-30°)	20.3	1.2	B0/110		
BM	(30°-60°)	46.9	2.8	B0/220		
BH	(60°-80°)	51.4	3.1	B0/110		G0/110
BVH	(80°-90°)	17.1	1.0			G1/100
UL	(90°-100°)	24.9	1.5		U2/50	
UH	(100°-180°)	13.2	0.8		U2/50	

**BUG Rating: B0-U2-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5
2.5°	252.7	268.6	273.4	281.3	285.3	280.5	271.8	260.7	248.7	245.6	235.2
5°	286.9	283.7	281.3	281.3	276.5	266.2	256.7	286.1	267.8	263.8	243.2
7.5°	260.7	285.3	303.6	305.2	302.8	294.8	281.3	251.1	255.1	250.3	224.9
10°	315.5	316.3	313.1	315.5	293.2	282.1	238.4	220.1	205.8	224.9	201.8
12.5°	261.4	300.4	322.6	330.6	302.8	266.2	244.0	234.4	182.0	177.2	182.8
15°	319.5	321.0	323.4	315.5	245.6	278.9	226.5	209.0	236.0	229.7	225.7
17.5°	252.7	255.9	309.9	306.7	284.5	220.9	269.4	240.0	219.3	211.4	205.8
20°	321.8	322.6	321.8	244.0	265.4	297.2	253.5	245.6	271.8	268.6	254.3
22.5°	270.2	270.2	288.5	313.1	278.9	298.0	258.3	306.0	252.7	251.1	189.1
25°	373.5	373.5	360.8	276.5	316.3	280.5	306.7	275.0	326.6	315.5	283.7
27.5°	363.2	352.0	332.2	348.9	306.0	351.2	297.2	335.4	360.0	370.3	353.6
30°	504.6	504.6	483.2	373.5	358.4	339.3	343.3	401.3	493.5	495.1	427.5
32.5°	683.4	670.7	557.1	481.6	391.8	425.9	387.8	472.0	536.4	534.0	454.6
35°	756.5	752.6	717.6	591.2	453.8	466.5	437.1	499.1	594.4	578.5	487.1
37.5°	831.2	824.9	789.1	653.2	518.9	535.6	473.6	538.8	647.7	624.6	522.9
40°	877.3	878.1	852.7	702.5	570.6	579.3	517.3	587.3	690.6	695.3	553.9
42.5°	925.8	925.0	904.3	760.5	613.5	624.6	552.3	633.4	748.6	754.1	606.3
45°	952.0	950.4	938.5	800.2	647.7	655.6	606.3	689.8	819.3	817.7	649.3
47.5°	958.4	960.8	960.0	839.2	683.4	686.6	654.8	731.1	905.1	887.7	705.7
50°	922.6	924.2	935.3	870.2	709.6	712.8	693.0	778.0	977.5	956.8	756.5
52.5°	823.3	832.8	879.7	851.1	720.8	732.7	728.7	813.7	1065.7	1040.2	819.3
55°	611.9	634.2	741.4	779.6	715.2	733.5	760.5	878.9	1145.9	1114.9	870.2
57.5°	487.9	491.9	555.5	660.4	669.9	729.5	793.9	918.6	1196.0	1165.0	906.7
60°	385.4	391.8	433.1	517.3	584.9	705.7	803.4	959.2	1235.7	1209.5	947.3
62.5°	298.8	298.0	329.8	386.2	471.2	655.6	790.7	983.8	1286.6	1266.7	1019.6
65°	208.2	208.2	235.2	280.5	356.8	565.8	765.3	1018.8	1373.2	1367.6	1109.4
67.5°	142.2	145.4	163.7	186.0	244.8	460.1	727.1	1054.5	1499.6	1473.3	1196.0
70°	104.1	104.1	111.3	123.2	152.6	343.3	658.8	1055.3	1591.7	1564.7	1241.3
72.5°	77.1	77.1	82.6	88.2	96.2	228.1	540.4	988.6	1567.9	1525.0	1149.1
75°	40.5	40.5	62.8	65.2	64.4	147.8	398.9	812.2	1325.5	1254.0	899.6
77.5°	31.8	32.6	35.8	50.9	46.9	97.0	222.5	499.9	856.7	769.2	487.1
80°	23.0	22.3	27.8	32.6	27.8	56.4	104.9	219.3	303.6	263.0	160.5
82.5°	13.5	14.3	16.7	23.8	23.8	39.7	68.3	96.2	108.9	108.1	96.2
85°	1.6	2.4	8.7	15.9	14.3	23.0	57.2	66.8	85.8	87.4	85.8
87.5°	1.6	1.6	2.4	3.2	4.0	15.1	48.5	58.0	79.5	85.0	85.8
90°	3.2	2.4	1.6	1.6	2.4	11.9	45.3	59.6	84.2	85.8	89.8
92.5°	4.0	3.2	1.6	0.8	2.4	9.5	42.9	59.6	87.4	93.0	97.0
95°	5.6	4.8	1.6	0.8	2.4	7.9	36.6	56.4	91.4	100.9	104.9
97.5°	7.2	6.4	1.6	1.6	2.4	6.4	28.6	44.5	60.4	68.3	73.9
100°	7.9	7.9	1.6	1.6	2.4	4.0	14.3	24.6	19.1	18.3	20.7
102.5°	8.7	8.7	1.6	1.6	1.6	2.4	4.8	10.3	4.0	4.0	6.4
105°	8.7	8.7	1.6	1.6	1.6	1.6	1.6	4.0	3.2	4.0	7.2
107.5°	7.9	8.7	1.6	2.4	2.4	1.6	1.6	1.6	3.2	4.8	7.2
110°	7.2	7.2	1.6	2.4	2.4	1.6	0.8	1.6	3.2	4.8	7.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	5.6	4.0	0.8	2.4	1.6	1.6	0.8	1.6	4.0	5.6	7.9
115°	2.4	1.6	0.8	1.6	1.6	1.6	0.8	1.6	4.0	6.4	7.9
117.5°	1.6	0.8	0.8	0.8	0.8	1.6	0.8	2.4	5.6	7.2	9.5
120°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	7.2	7.9	11.1
122.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	7.2	7.9	11.1
125°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	5.6	7.2	9.5
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	4.0	5.6	7.9
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	4.0	4.8	6.4
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4	3.2	4.8
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	3.2
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
150°	1.6	2.4	4.0	3.2	1.6	0.8	1.6	0.8	0.8	0.8	0.8
152.5°	4.0	4.0	3.2	3.2	0.8	0.8	1.6	1.6	0.8	0.8	0.8
155°	3.2	3.2	2.4	0.8	0.8	0.8	0.8	1.6	2.4	3.2	2.4
157.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5
2.5°	227.3	219.3	201.8	188.3	174.0	166.1	151.0	138.3	128.7	127.1	127.1
5°	227.3	211.4	180.4	147.0	116.0	100.1	91.4	85.8	81.9	80.3	79.5
7.5°	203.4	182.8	141.5	102.5	89.0	74.7	64.4	56.4	49.3	46.9	44.5
10°	178.0	152.6	96.2	70.7	56.4	46.9	42.1	39.7	37.3	36.6	36.6
12.5°	158.1	131.9	77.1	58.0	39.7	33.4	31.8	30.2	29.4	28.6	27.8
15°	193.1	158.1	80.3	39.7	27.8	23.8	22.3	23.0	24.6	24.6	24.6
17.5°	178.8	139.1	66.8	30.2	23.0	17.5	19.1	20.7	22.3	19.9	19.1
20°	213.8	163.7	65.2	23.8	19.1	17.5	16.7	14.3	18.3	18.3	18.3
22.5°	155.0	124.0	49.3	22.3	15.9	15.1	12.7	14.3	15.1	12.7	12.7
25°	229.7	161.3	48.5	17.5	15.9	11.9	12.7	10.3	12.7	12.7	12.7
27.5°	284.5	190.7	42.9	18.3	13.5	11.9	9.5	10.3	9.5	9.5	9.5
30°	338.5	214.6	38.9	18.3	12.7	9.5	8.7	7.9	9.5	9.5	9.5
32.5°	354.4	209.0	31.0	19.1	11.9	8.7	7.2	7.9	7.9	8.7	8.7
35°	372.7	204.2	26.2	16.7	11.1	7.9	6.4	7.2	7.9	8.7	8.7
37.5°	390.2	196.3	23.8	15.1	9.5	7.2	5.6	6.4	16.7	18.3	18.3
40°	412.4	186.7	22.3	13.5	7.9	5.6	4.8	12.7	15.1	17.5	17.5
42.5°	444.2	181.2	20.7	12.7	7.2	4.8	4.8	11.1	21.5	23.8	23.8
45°	470.4	171.7	19.9	11.1	6.4	4.0	7.9	15.1	17.5	22.3	21.5
47.5°	503.0	162.9	19.1	10.3	5.6	4.0	8.7	15.9	22.3	25.4	25.4
50°	538.0	158.1	18.3	9.5	5.6	4.0	15.1	15.1	18.3	28.6	28.6
52.5°	582.5	155.0	16.7	7.9	4.8	7.9	20.7	18.3	22.3	29.4	29.4
55°	604.0	144.6	15.9	7.2	4.0	7.9	22.3	20.7	23.0	31.0	31.0
57.5°	623.0	134.3	14.3	7.2	4.0	10.3	23.8	26.2	22.3	27.0	30.2
60°	640.5	124.0	12.7	6.4	4.0	12.7	26.2	36.6	31.0	36.6	36.6
62.5°	681.0	116.0	11.1	7.2	3.2	14.3	34.2	44.5	35.0	44.5	43.7
65°	719.2	106.5	10.3	6.4	4.0	16.7	37.3	51.7	38.1	51.7	51.7
67.5°	734.3	94.6	9.5	6.4	4.0	19.1	37.3	57.2	45.3	58.0	58.8
70°	708.1	77.9	8.7	7.2	4.8	21.5	38.9	61.2	48.5	67.5	67.5
72.5°	601.6	53.2	8.7	7.9	9.5	23.8	46.1	63.6	50.9	81.1	81.9
75°	449.0	30.2	9.5	8.7	10.3	27.0	50.9	66.0	53.2	81.9	81.9
77.5°	255.9	20.7	9.5	10.3	12.7	27.0	53.2	68.3	52.4	80.3	78.7
80°	89.0	15.1	9.5	11.9	15.9	27.0	54.0	67.5	50.9	74.7	74.7
82.5°	60.4	12.7	9.5	11.9	19.1	28.6	53.2	63.6	45.3	62.8	60.4
85°	56.4	10.3	10.3	12.7	20.7	28.6	48.5	54.8	38.1	46.9	46.1
87.5°	55.6	9.5	11.9	13.5	22.3	26.2	41.3	45.3	31.0	38.1	37.3
90°	58.0	9.5	12.7	14.3	20.7	21.5	33.4	38.1	25.4	30.2	29.4
92.5°	62.0	9.5	13.5	15.9	18.3	15.9	27.0	30.2	21.5	23.0	22.3
95°	66.0	9.5	15.1	16.7	15.1	11.9	20.7	24.6	17.5	16.7	16.7
97.5°	43.7	7.2	15.9	16.7	12.7	8.7	15.9	19.1	10.3	8.7	8.7
100°	14.3	5.6	16.7	17.5	11.9	6.4	13.5	14.3	7.9	4.0	4.0
102.5°	6.4	5.6	15.1	15.1	10.3	4.8	9.5	10.3	5.6	1.6	1.6
105°	5.6	3.2	8.7	11.1	7.2	2.4	4.8	5.6	3.2	1.6	1.6
107.5°	6.4	3.2	4.8	6.4	3.2	2.4	2.4	2.4	1.6	1.6	1.6
110°	6.4	3.2	2.4	4.0	3.2	2.4	1.6	1.6	1.6	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.2	3.2	2.4	3.2	2.4	2.4	1.6	1.6	3.2	5.6	5.6
115°	7.2	3.2	2.4	3.2	2.4	2.4	1.6	0.8	3.2	7.9	8.7
117.5°	7.9	4.0	1.6	2.4	1.6	1.6	1.6	0.8	4.0	10.3	10.3
120°	9.5	4.0	1.6	1.6	1.6	0.8	1.6	1.6	4.0	11.1	11.1
122.5°	9.5	4.8	1.6	1.6	1.6	0.8	0.8	1.6	4.8	10.3	11.1
125°	7.9	4.0	1.6	1.6	1.6	0.8	0.8	1.6	4.8	9.5	11.1
127.5°	6.4	4.0	1.6	1.6	1.6	0.8	0.8	1.6	4.8	7.9	8.7
130°	5.6	3.2	1.6	1.6	1.6	0.8	0.8	1.6	4.0	6.4	7.2
132.5°	4.0	2.4	1.6	1.6	1.6	0.8	0.8	0.8	4.0	6.4	6.4
135°	3.2	2.4	1.6	1.6	1.6	0.8	0.8	0.8	3.2	4.8	4.8
137.5°	1.6	0.8	1.6	1.6	1.6	0.8	0.8	0.8	2.4	2.4	2.4
140°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	1.6	0.8
142.5°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
155°	1.6	1.6	0.8	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
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)