

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: P559962

Luminaire Tested: **SDL-PA1-20-722-U-T2R-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559962  
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-PA1-20-722-U-T2R-A  
Description: Springdale  
(1) 70 CRI, 2200K, 260mA 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: 1660.5 lumens  
Efficiency: N/A  
Efficacy: 79.1 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: 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

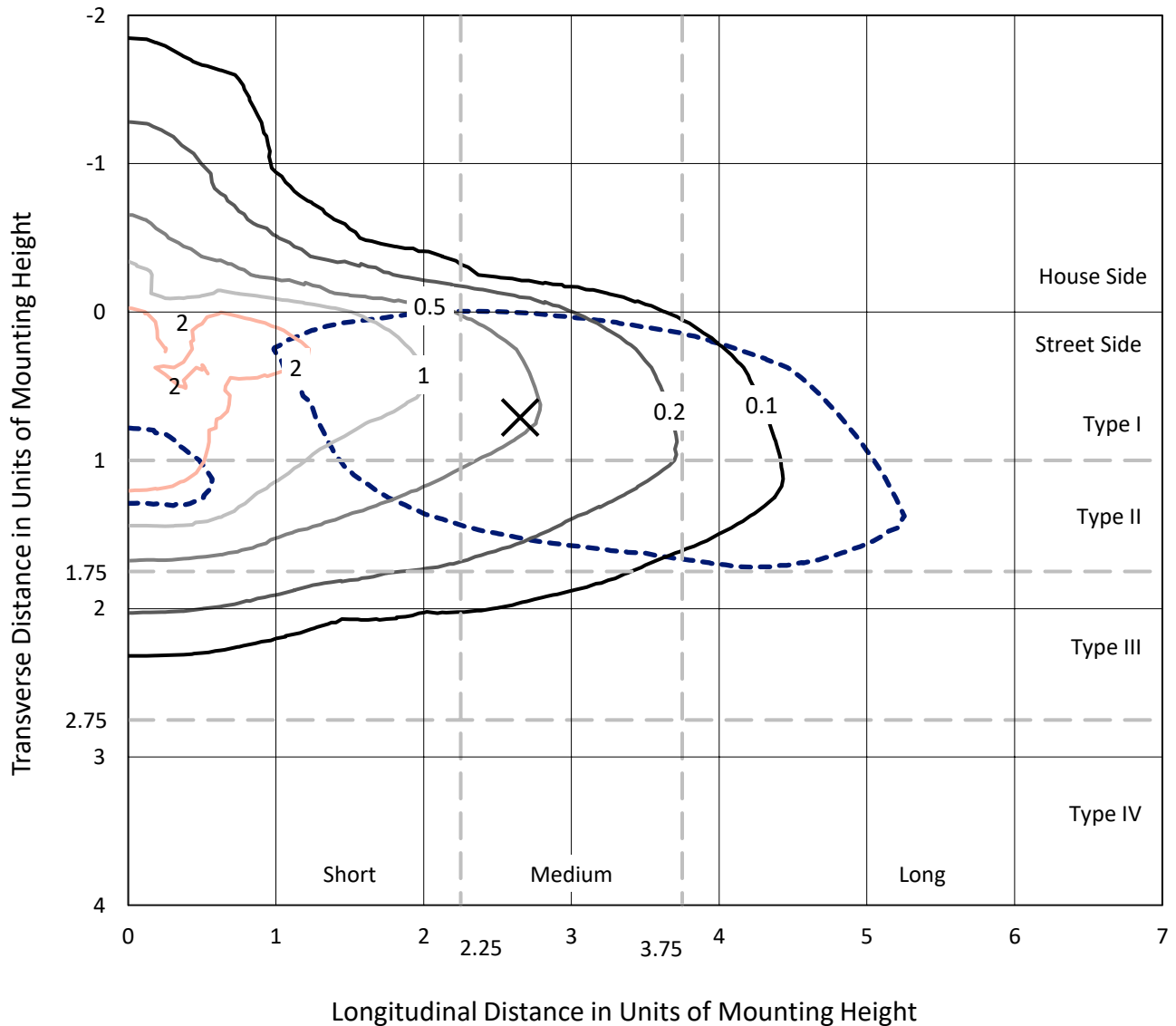


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### Iso-Footcandle Lines of Horizontal Illumination

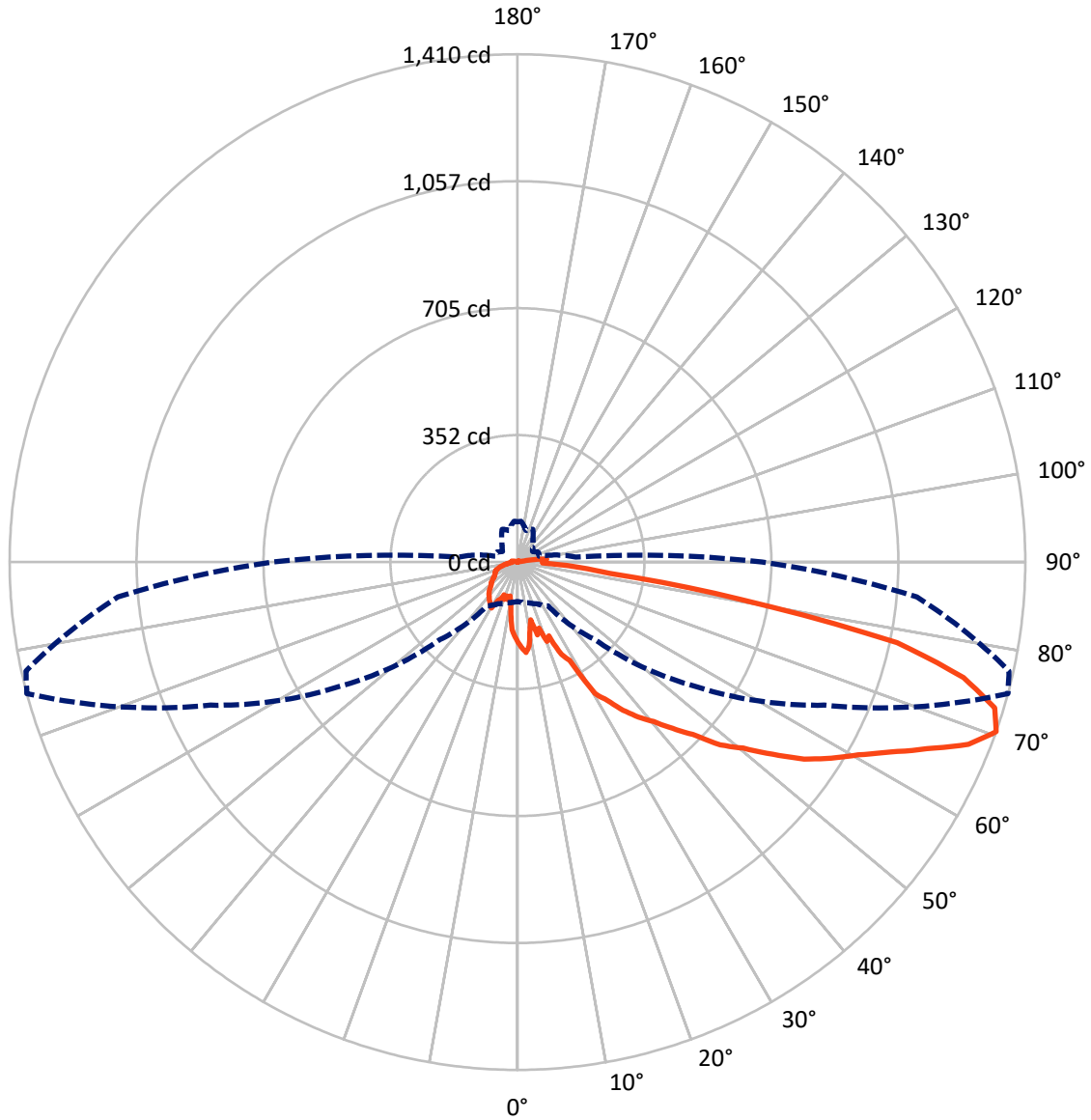
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 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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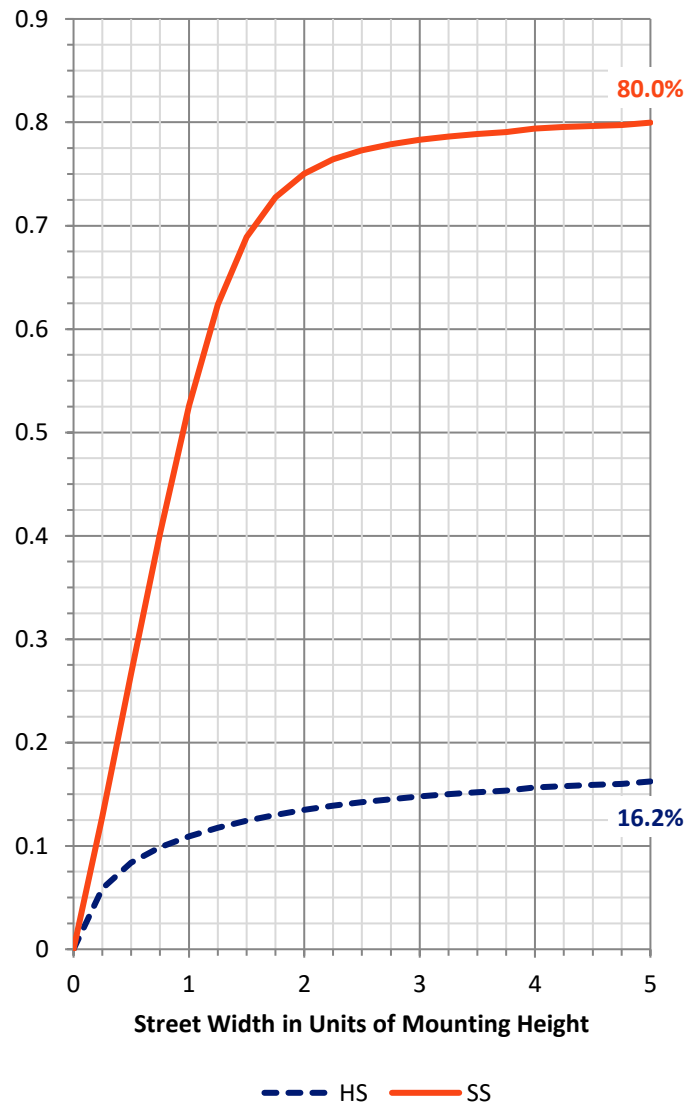
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	283.9	16.9	300.8
	% Fixture	17.1	1.0	18.1
<b>Street Side</b>	Lumens	1338.3	21.4	1359.7
	% Fixture	80.6	1.3	81.9
<b>Total</b>	Lumens	1622.2	38.3	1660.5
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.5	1.1
10°-20°	48.4	2.9
20°-30°	87.4	5.3
30°-40°	178.7	10.8
40°-50°	280.6	16.9
50°-60°	344.6	20.8
60°-70°	342.7	20.6
70°-80°	253.5	15.3
80°-90°	67.7	4.1
90°-100°	25.0	1.5
100°-110°	5.8	0.4
110°-120°	2.7	0.2
120°-130°	2.5	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°	1622.2	97.7
0°-180°	1660.5	100.0



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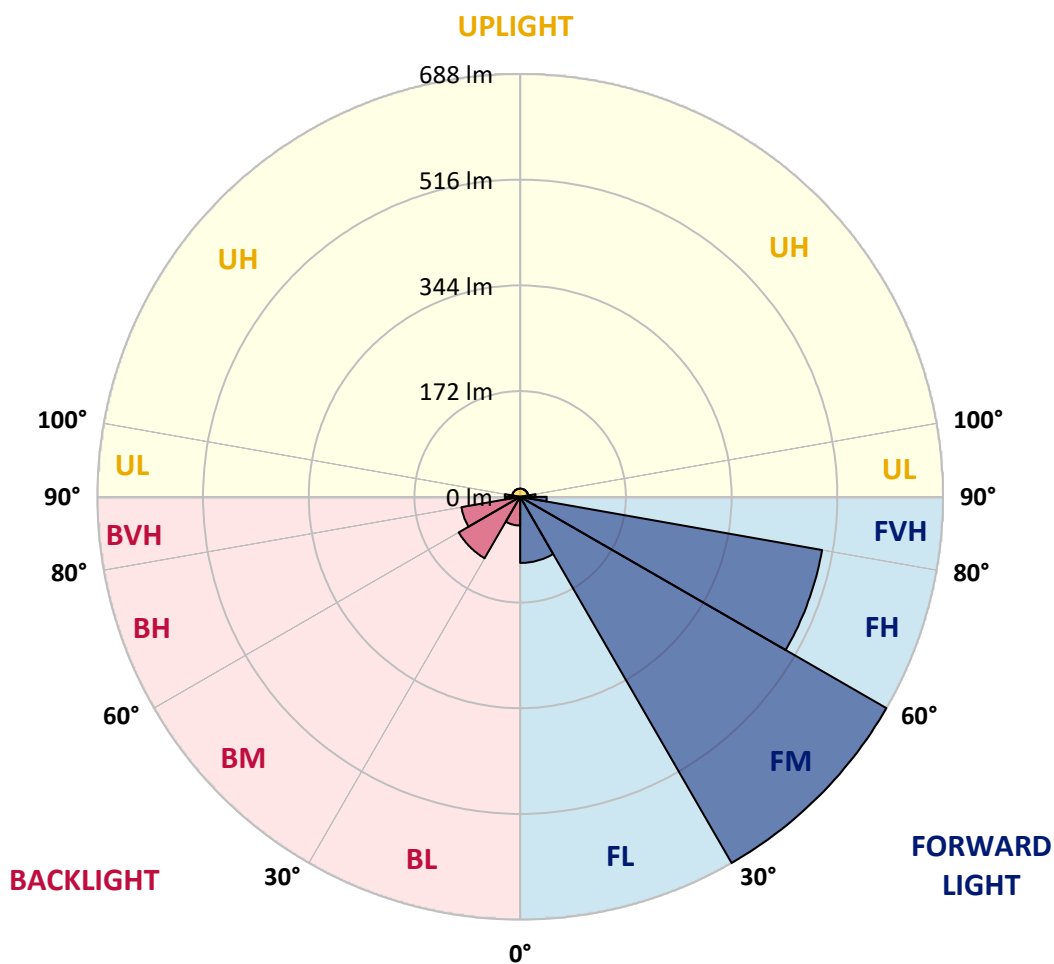
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.6	6.5			
FM (30°-60°)	688.4	41.5			
FH (60°-80°)	499.1	30.1			G0/660
FVH (80°-90°)	43.2	2.6			G1/100
BL (0°-30°)	46.8	2.8	B0/110		
BM (30°-60°)	115.5	7.0	B0/220		
BH (60°-80°)	97.1	5.8	B0/110		G0/110
BVH (80°-90°)	24.5	1.5			G1/100
UL (90°-100°)	25.0	1.5		U2/50	
UH (100°-180°)	13.3	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°	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6
2.5°	231.0	244.0	249.8	256.3	262.2	258.9	253.7	246.0	238.8	236.2	228.4
5°	255.0	253.7	253.1	251.1	247.9	242.1	234.9	262.8	251.8	247.2	234.3
7.5°	224.5	260.2	264.1	268.0	266.7	259.6	250.5	225.2	234.9	229.1	212.9
10°	274.5	274.5	273.2	274.5	259.6	247.9	212.2	197.3	190.1	205.7	190.8
12.5°	233.6	254.4	280.3	285.5	262.8	230.4	215.5	208.3	164.2	162.2	173.9
15°	271.9	275.2	275.8	277.1	223.9	241.4	199.2	185.0	209.6	203.8	205.7
17.5°	218.7	221.9	264.1	261.5	240.8	192.7	233.0	209.0	192.7	185.6	183.0
20°	275.2	275.8	273.9	221.3	232.3	251.8	218.0	211.6	234.9	234.3	224.5
22.5°	234.3	234.9	242.1	266.7	240.1	254.4	219.3	264.1	222.6	223.2	173.3
25°	313.4	314.1	307.6	237.5	270.0	238.8	266.1	237.5	284.2	275.2	253.7
27.5°	329.0	305.0	280.3	294.6	257.6	296.6	253.1	287.5	308.9	307.0	310.2
30°	417.3	418.6	401.7	322.5	301.8	292.7	292.0	341.3	423.1	426.4	372.5
32.5°	565.2	557.4	474.4	397.8	325.1	356.9	327.7	395.2	457.5	455.6	399.1
35°	632.7	624.9	593.8	491.3	375.7	385.5	369.9	420.5	504.9	490.0	425.7
37.5°	689.8	688.5	662.6	541.2	427.0	441.3	395.2	451.7	545.8	530.2	453.0
40°	739.2	734.6	711.9	586.0	479.6	480.2	427.0	489.3	582.1	586.0	479.6
42.5°	780.0	776.1	757.3	630.8	510.7	514.6	460.8	527.6	630.8	637.9	521.1
45°	796.9	798.9	785.9	671.0	538.6	545.8	501.0	566.5	682.7	688.5	558.1
47.5°	809.2	809.9	806.6	704.1	568.5	571.7	540.6	601.6	758.0	746.3	601.6
50°	781.3	778.7	782.0	729.4	594.4	598.3	573.7	637.9	811.8	796.9	647.0
52.5°	708.0	711.2	745.0	716.4	602.9	610.7	604.8	669.7	886.5	874.8	711.9
55°	523.7	538.0	635.3	663.2	602.2	615.9	633.4	730.1	965.0	947.5	767.1
57.5°	423.8	423.8	480.9	572.4	569.1	612.6	662.6	771.0	1027.3	1015.0	822.2
60°	340.0	340.0	371.2	454.3	504.9	596.4	692.4	831.3	1086.3	1079.2	870.9
62.5°	266.7	266.1	292.0	338.8	414.0	560.7	708.0	883.2	1160.3	1159.0	948.8
65°	192.7	195.3	217.4	246.6	325.1	493.9	707.4	929.9	1249.2	1253.1	1036.4
67.5°	142.8	144.1	156.4	177.8	223.2	409.5	676.2	962.4	1349.8	1343.3	1092.2
70°	109.7	111.6	116.8	127.8	148.6	304.4	600.9	939.7	1409.5	1397.2	1112.9
72.5°	92.2	92.8	92.2	98.0	99.3	206.4	481.5	853.4	1384.9	1365.4	1055.8
75°	78.5	77.9	77.2	78.5	73.3	136.3	345.2	722.3	1278.4	1244.7	932.5
77.5°	67.5	66.8	64.2	64.9	58.4	100.6	235.6	566.5	1077.3	998.1	700.9
80°	55.8	55.8	53.9	53.9	49.3	76.6	150.6	390.7	627.5	564.6	364.7
82.5°	43.5	42.8	42.8	44.1	42.2	59.7	98.6	194.7	258.9	242.7	170.7
85°	23.4	23.4	26.6	29.9	29.2	36.3	75.3	114.9	153.2	148.0	95.4
87.5°	7.1	7.1	7.8	9.7	10.4	19.5	47.4	55.8	69.4	76.6	75.3
90°	7.8	7.1	5.2	5.8	6.5	14.3	44.1	53.9	70.1	77.9	79.8
92.5°	9.1	8.4	5.2	5.2	6.5	11.7	42.2	52.6	76.6	84.4	86.3
95°	9.7	9.1	5.2	5.2	6.5	10.4	37.6	51.9	81.8	92.2	92.2
97.5°	9.1	8.4	3.9	4.5	5.8	9.1	29.2	42.8	57.1	62.9	72.7
100°	7.8	7.8	2.6	3.9	5.2	6.5	16.9	23.4	16.9	16.2	16.2
102.5°	7.1	7.1	2.6	3.2	3.9	4.5	7.8	12.3	3.9	4.5	5.8
105°	7.1	7.8	1.9	2.6	2.6	2.6	3.9	6.5	3.2	3.9	5.8
107.5°	7.1	7.8	1.9	1.9	2.6	1.9	1.9	2.6	3.2	3.9	6.5
110°	6.5	6.5	1.3	1.9	1.9	1.9	1.3	1.9	3.2	4.5	6.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	4.5	4.5	1.3	1.9	1.9	1.9	1.3	1.9	3.2	4.5	6.5
115°	3.2	2.6	1.3	1.9	1.3	1.9	1.3	1.9	3.2	4.5	5.8
117.5°	2.6	1.9	1.3	1.3	1.3	1.3	0.6	1.9	3.9	5.2	7.1
120°	2.6	2.6	1.3	1.3	1.3	1.3	0.6	1.9	5.8	6.5	9.1
122.5°	2.6	2.6	1.3	1.3	1.3	1.3	0.6	1.3	5.2	7.1	9.7
125°	2.6	2.6	1.3	1.3	1.3	1.3	0.6	1.3	4.5	6.5	8.4
127.5°	2.6	2.6	1.3	0.6	1.3	1.3	1.3	1.3	3.9	5.2	7.1
130°	2.6	2.6	1.3	0.6	1.3	1.3	1.3	1.3	3.2	3.9	5.8
132.5°	1.9	1.9	1.3	0.6	1.3	0.6	0.6	1.3	2.6	3.2	4.5
135°	1.3	1.3	1.3	0.6	1.3	0.6	0.6	0.6	1.3	1.9	3.2
137.5°	0.6	1.3	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	1.3
140°	0.6	0.6	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	1.3	1.3	0.6	0.6	0.6	0.6	0.6
145°	0.6	0.6	0.6	0.6	1.9	1.3	0.6	0.6	0.6	0.6	0.6
147.5°	0.6	0.6	0.6	2.6	1.9	1.3	0.6	0.6	0.6	0.6	0.6
150°	3.2	3.2	3.2	2.6	1.9	1.3	1.9	0.6	0.6	0.6	0.6
152.5°	3.2	3.2	3.9	1.9	1.3	0.6	0.6	2.6	1.9	1.3	1.3
155°	2.6	1.9	1.9	0.6	0.6	0.6	0.6	0.6	1.9	2.6	2.6
157.5°	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	1.3	0.6	0.6
160°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6
2.5°	223.9	218.7	206.4	197.3	186.2	176.5	168.1	149.3	146.0	144.1	143.4
5°	223.9	212.9	188.8	159.6	136.9	131.7	129.1	129.1	127.8	128.5	129.1
7.5°	198.6	183.7	147.3	124.6	128.5	128.5	129.1	125.9	115.5	116.8	114.9
10°	173.9	155.1	111.0	101.2	111.0	111.6	126.5	132.4	134.3	135.0	135.0
12.5°	160.3	133.7	96.0	99.3	89.6	102.5	120.7	135.0	122.7	116.2	116.2
15°	184.3	158.3	107.7	87.0	88.3	102.5	91.5	127.8	132.4	133.7	133.7
17.5°	165.5	139.5	98.6	89.6	98.6	84.4	103.2	117.5	112.3	106.4	105.8
20°	198.6	164.8	110.3	87.6	87.0	99.9	91.5	96.0	120.1	120.7	120.1
22.5°	154.4	131.7	98.0	99.3	87.0	95.4	90.2	99.3	94.7	94.1	94.7
25°	214.2	170.7	112.9	85.7	90.9	84.4	90.9	83.7	100.6	101.9	102.5
27.5°	262.2	203.8	120.1	92.8	79.2	86.3	81.1	83.7	77.9	81.1	82.4
30°	312.1	237.5	146.7	102.5	83.7	74.0	75.3	74.6	84.4	83.7	82.4
32.5°	328.4	242.1	140.2	107.1	83.1	74.6	68.8	73.3	80.5	86.3	87.0
35°	344.6	245.3	135.0	102.5	81.1	70.1	67.5	75.3	81.1	81.8	83.7
37.5°	363.4	247.9	129.8	96.0	75.3	68.8	66.8	70.1	83.1	81.8	79.8
40°	380.9	249.2	123.3	90.2	68.8	67.5	62.3	70.1	73.3	75.9	77.2
42.5°	412.1	257.0	118.1	85.0	64.2	64.2	59.7	65.5	75.3	76.6	75.9
45°	434.8	254.4	111.0	80.5	59.7	57.1	58.4	71.4	75.9	83.7	82.4
47.5°	467.2	260.9	102.5	73.3	55.8	52.6	55.2	69.4	77.9	83.7	85.0
50°	499.0	259.6	95.4	67.5	53.2	50.0	61.0	67.5	76.6	86.3	86.3
52.5°	540.6	261.5	92.2	62.3	50.0	50.0	62.9	68.1	78.5	85.0	85.0
55°	577.6	254.4	84.4	60.4	49.3	48.0	63.6	70.7	79.2	85.0	85.7
57.5°	604.8	240.1	78.5	58.4	48.7	49.3	63.6	76.6	74.0	85.0	87.0
60°	634.7	224.5	73.3	58.4	48.7	51.3	65.5	81.1	81.1	88.9	88.9
62.5°	675.6	214.8	70.7	59.1	47.4	53.2	71.4	88.3	81.8	94.1	94.7
65°	710.0	201.8	68.8	61.7	48.0	55.8	74.6	94.1	85.7	99.9	99.3
67.5°	710.6	182.4	66.2	64.2	48.7	57.8	74.6	98.0	90.2	105.1	103.2
70°	679.4	162.9	62.3	64.2	50.6	59.7	74.6	100.6	90.9	113.6	111.6
72.5°	612.6	133.0	56.5	61.7	53.9	62.3	78.5	99.9	90.9	122.7	120.7
75°	521.1	106.4	48.7	56.5	53.9	65.5	81.1	99.3	87.6	116.8	112.9
77.5°	396.5	87.0	40.9	49.3	51.3	66.8	81.1	98.0	85.0	109.0	106.4
80°	204.4	61.0	33.1	42.2	48.0	65.5	80.5	92.8	75.9	96.7	95.4
82.5°	112.3	44.8	26.6	31.1	40.2	61.7	77.9	83.7	66.8	79.2	75.9
85°	72.7	32.4	21.4	25.3	33.7	51.3	65.5	66.2	47.4	57.1	53.9
87.5°	54.5	18.8	13.6	15.6	23.4	28.6	41.5	42.8	29.9	35.0	33.1
90°	57.1	18.8	14.3	16.2	20.8	21.4	30.5	32.4	23.4	26.6	26.6
92.5°	61.0	18.8	14.9	16.9	18.8	16.9	24.0	26.6	19.5	21.4	20.8
95°	62.3	18.2	16.2	17.5	16.9	13.6	19.5	21.4	16.2	16.2	16.2
97.5°	45.4	13.0	16.2	17.5	15.6	11.0	14.9	16.9	10.4	8.4	8.4
100°	12.3	6.5	15.6	16.9	13.6	9.1	13.0	13.0	6.5	4.5	4.5
102.5°	5.2	5.2	13.6	14.9	10.4	5.8	9.1	9.1	4.5	1.9	1.9
105°	5.2	3.9	9.7	11.0	7.1	3.2	4.5	5.2	3.2	1.9	1.9
107.5°	5.2	3.9	4.5	5.8	3.2	2.6	2.6	2.6	1.9	1.9	1.9
110°	5.8	3.9	2.6	3.2	2.6	1.9	1.9	1.9	1.9	2.6	3.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	4.5	2.6	3.2	2.6	1.9	1.9	1.9	2.6	5.8	5.8
115°	5.8	3.9	2.6	2.6	1.9	1.9	1.3	1.3	2.6	7.1	7.1
117.5°	6.5	4.5	2.6	2.6	1.9	1.3	1.3	1.3	3.2	8.4	8.4
120°	7.8	5.2	2.6	1.9	1.3	1.3	1.3	1.3	3.9	9.1	9.1
122.5°	8.4	5.8	2.6	1.9	1.3	0.6	1.3	1.9	4.5	9.1	9.1
125°	7.1	5.2	2.6	1.9	1.3	0.6	1.3	1.9	4.5	8.4	9.1
127.5°	6.5	4.5	2.6	1.3	1.3	0.6	0.6	1.9	3.9	6.5	7.8
130°	5.2	3.9	1.9	1.3	1.3	0.6	0.6	1.3	3.9	5.8	7.1
132.5°	4.5	3.2	1.9	1.3	1.3	0.6	0.6	1.3	3.9	5.2	5.2
135°	3.2	2.6	1.3	1.3	1.3	0.6	1.3	0.6	2.6	4.5	4.5
137.5°	1.9	1.3	1.3	1.3	1.3	0.6	0.6	0.6	1.9	2.6	2.6
140°	0.6	0.6	1.3	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3
142.5°	0.6	0.6	1.3	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3
145°	0.6	0.6	0.6	1.3	1.3	0.6	0.6	0.6	0.6	0.6	1.3
147.5°	0.6	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	1.3
150°	0.6	0.6	0.6	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.3
152.5°	0.6	0.6	1.3	1.3	0.6	0.6	0.6	1.3	1.3	1.3	1.3
155°	1.9	1.9	1.3	1.3	0.6	0.6	0.0	0.6	1.3	1.3	1.3
157.5°	0.6	0.6	1.3	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6
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)