

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: P691092

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2311 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G1  
  
Input Watts (W): 23.2  
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

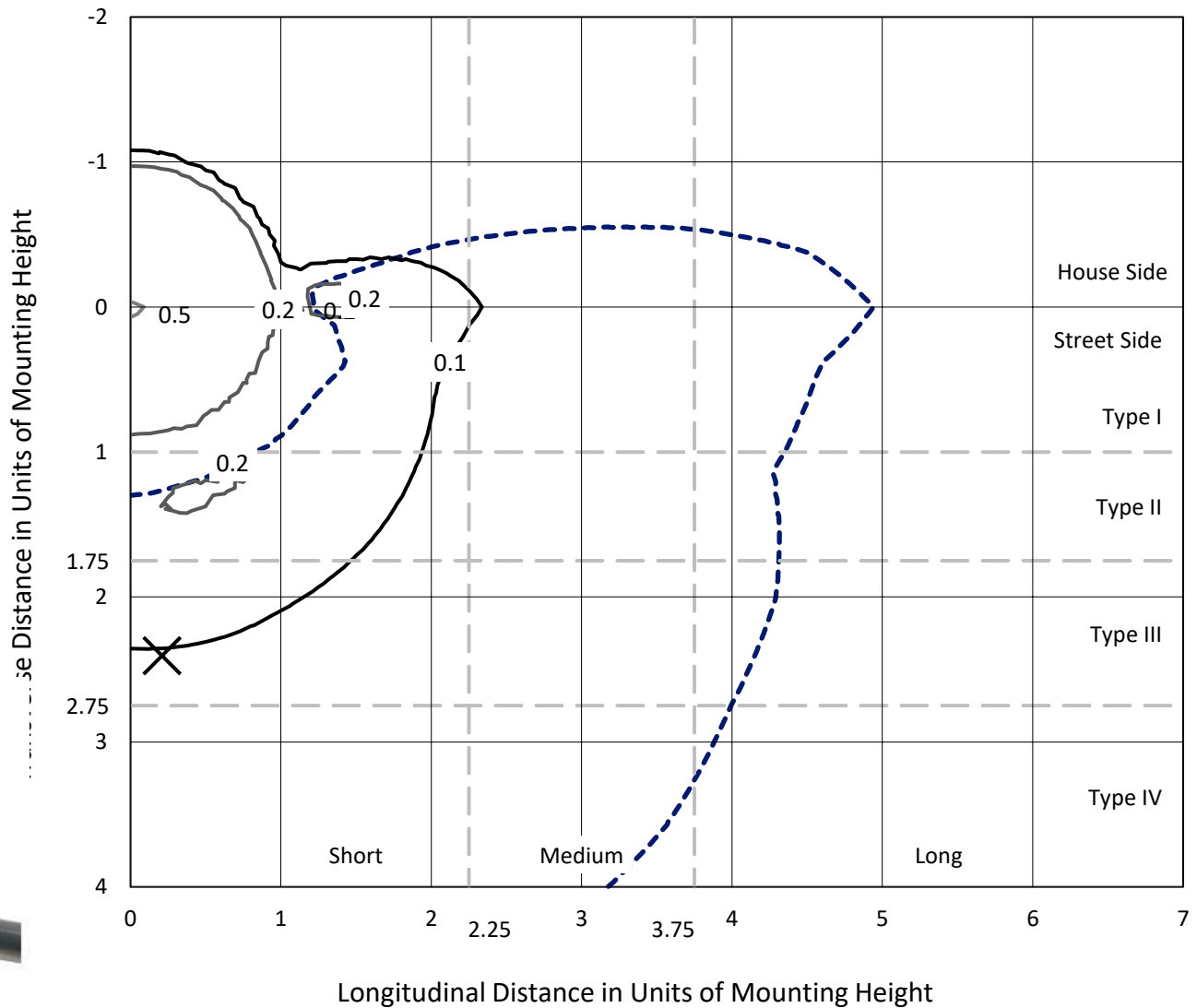


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### Iso-Footcandle Lines of Horizontal Illumination

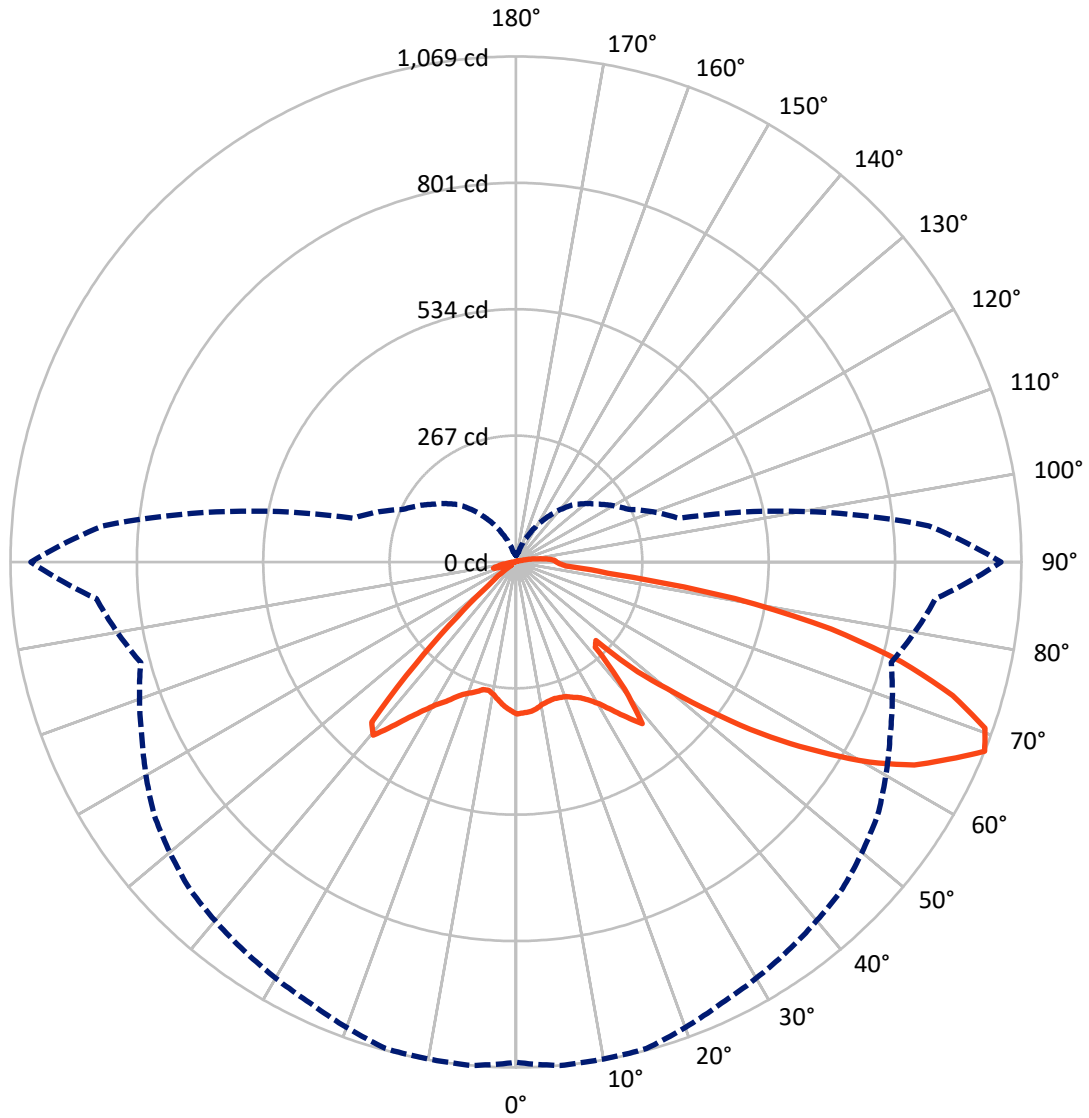
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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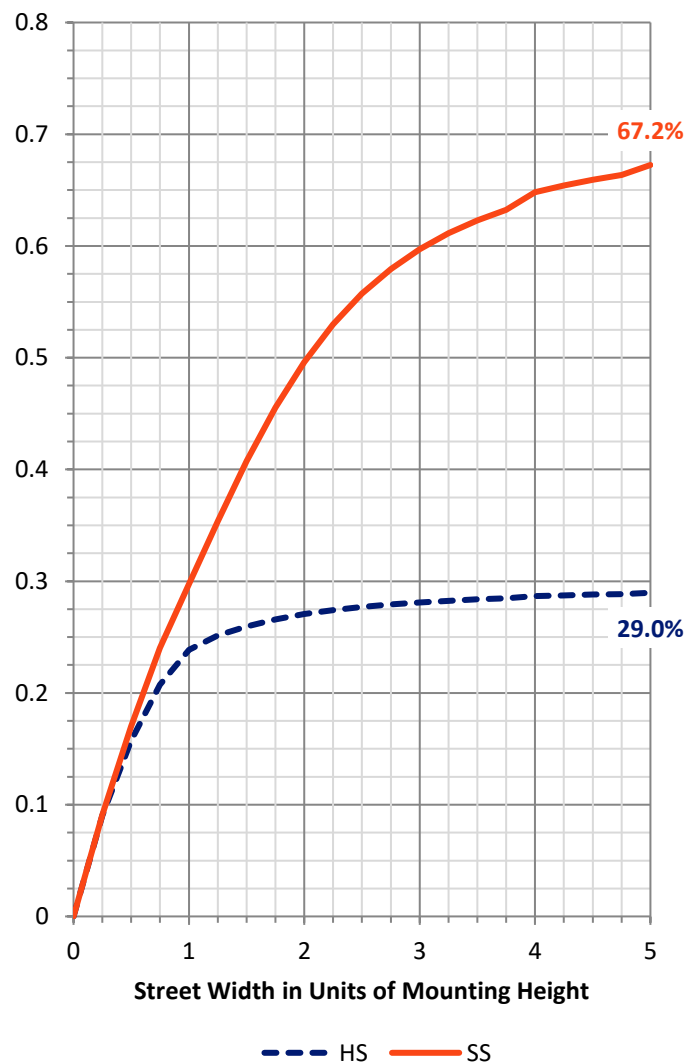
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	677.3	10.2	687.5
	% Fixture	29.3	0.4	29.7
<b>Street Side</b>	Lumens	1583.7	39.8	1623.5
	% Fixture	68.5	1.7	70.3
<b>Total</b>	Lumens	2261.0	50.0	2311.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	1.3
10°-20°	85.7	3.7
20°-30°	152.3	6.6
30°-40°	254.7	11.0
40°-50°	232.6	10.1
50°-60°	345.3	14.9
60°-70°	566.5	24.5
70°-80°	486.2	21.0
80°-90°	107.8	4.7
90°-100°	36.4	1.6
100°-110°	9.0	0.4
110°-120°	2.9	0.1
120°-130°	1.6	0.1
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2261.0	97.8
0°-180°	2311.0	100.0

**Coefficient of Utilization**



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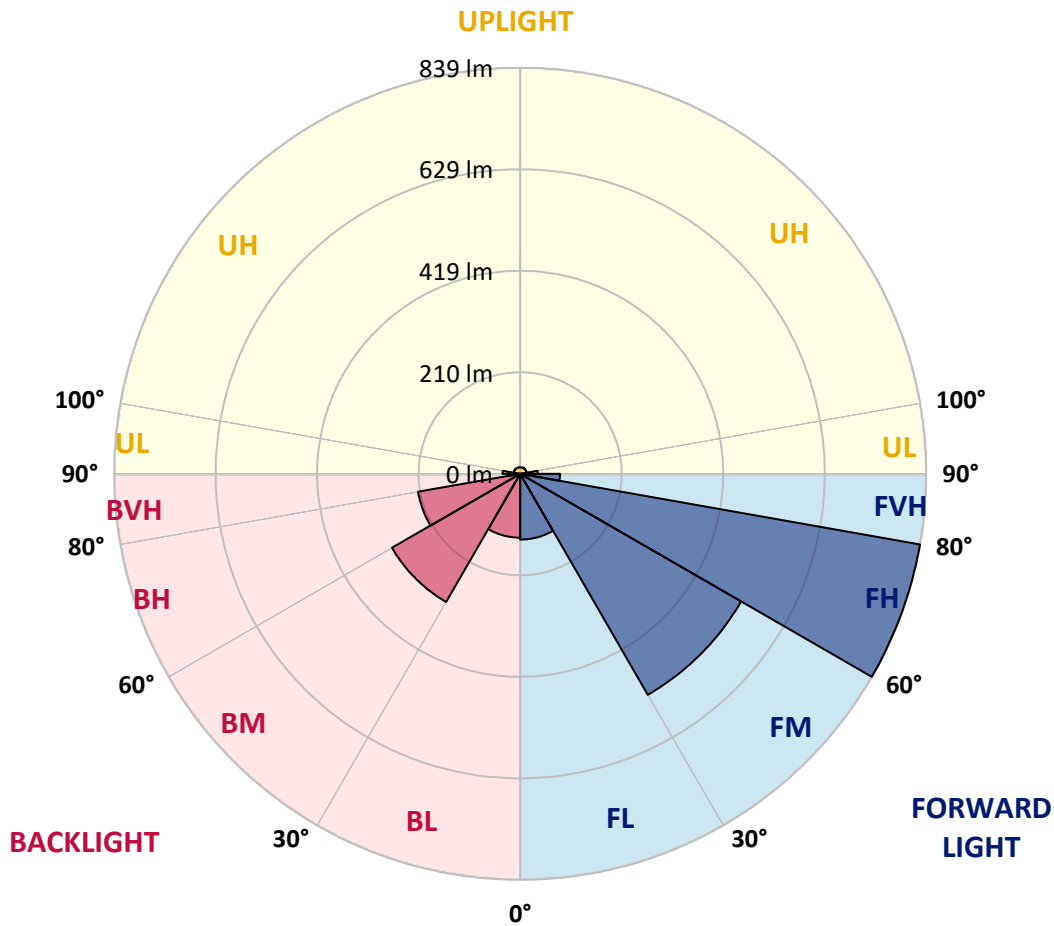
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.8	5.9			
FM (30°-60°)	527.1	22.8			
FH (60°-80°)	838.6	36.3			G1/1800
FVH (80°-90°)	82.2	3.6			G1/100
BL (0°-30°)	131.9	5.7	B1/500		
BM (30°-60°)	305.6	13.2	B1/1000		
BH (60°-80°)	214.1	9.3	B1/500		G1/500
BVH (80°-90°)	25.6	1.1			G1/100
UL (90°-100°)	36.4	1.6		U2/50	
UH (100°-180°)	13.6	0.6		U2/50	

**BUG Rating: B1-U2-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5
2.5°	319.1	319.1	319.1	320.3	321.5	320.3	319.1	317.9	316.7	317.9	317.9
5°	317.9	317.9	319.1	319.1	320.3	321.5	320.3	319.1	317.9	317.9	317.9
7.5°	312.0	313.2	313.2	314.4	315.6	317.9	317.9	315.6	315.6	315.6	315.6
10°	306.0	306.0	307.2	308.4	309.6	312.0	312.0	309.6	310.8	312.0	312.0
12.5°	302.4	302.4	303.6	306.0	307.2	308.4	309.6	309.6	310.8	309.6	310.8
15°	300.0	300.0	300.0	303.6	307.2	308.4	310.8	312.0	313.2	313.2	313.2
17.5°	301.2	301.2	301.2	306.0	308.4	312.0	314.4	315.6	315.6	316.7	316.7
20°	303.6	303.6	304.8	308.4	313.2	316.7	319.1	320.3	320.3	322.7	322.7
22.5°	308.4	310.8	309.6	313.2	316.7	321.5	325.1	327.5	327.5	329.9	329.9
25°	319.1	317.9	319.1	322.7	326.3	329.9	332.3	335.9	337.1	339.5	339.5
27.5°	331.1	331.1	331.1	334.7	337.1	340.7	343.0	345.4	347.8	351.4	352.6
30°	349.0	347.8	346.6	350.2	352.6	356.2	358.6	359.8	359.8	362.2	364.6
32.5°	372.9	372.9	372.9	375.3	376.5	380.1	381.3	382.5	381.3	384.9	386.1
35°	402.8	402.8	404.0	406.4	410.0	412.4	413.6	412.4	413.6	416.0	418.3
37.5°	432.7	433.9	437.5	441.1	443.4	448.2	451.8	451.8	453.0	460.2	460.2
40°	350.2	353.8	357.4	365.8	376.5	390.9	414.8	424.3	451.8	466.2	469.7
42.5°	237.9	246.2	255.8	266.5	274.9	276.1	298.8	312.0	339.5	365.8	372.9
45°	227.1	236.7	246.2	239.1	245.0	225.9	248.6	251.0	264.2	284.5	338.3
47.5°	333.5	346.6	359.8	341.9	345.4	303.6	312.0	302.4	272.5	306.0	395.6
50°	435.1	433.9	453.0	444.6	454.2	408.8	412.4	393.2	346.6	393.2	521.1
52.5°	533.1	542.7	563.0	560.6	567.8	509.2	498.4	481.7	408.8	480.5	631.1
55°	646.6	653.8	672.9	667.0	663.4	604.8	585.7	569.0	498.4	591.7	748.2
57.5°	753.0	756.6	779.3	759.0	747.1	702.8	676.5	649.0	579.7	693.3	829.5
60°	854.6	859.4	872.6	845.1	825.9	791.3	759.0	729.1	664.6	784.1	904.8
62.5°	950.2	945.5	951.4	916.8	903.6	872.6	837.9	800.8	744.7	855.8	977.7
65°	1005.2	1005.2	1012.4	968.2	947.9	928.7	890.5	847.5	796.1	890.5	1023.2
67.5°	1057.8	1068.6	1065.0	1029.1	1002.8	976.5	933.5	872.6	821.2	890.5	1025.6
70°	1038.7	1051.8	1037.5	1008.8	982.5	951.4	912.0	852.2	794.9	847.5	970.6
72.5°	956.2	965.8	959.8	934.7	902.4	882.1	840.3	794.9	727.9	773.3	880.9
75°	843.9	841.5	852.2	823.5	796.1	776.9	736.3	707.6	645.5	678.9	781.7
77.5°	680.1	681.3	704.0	671.7	650.2	637.1	600.0	576.1	519.9	549.8	628.7
80°	456.6	469.7	491.3	456.6	453.0	435.1	404.0	388.5	345.4	359.8	401.6
82.5°	190.0	196.0	203.2	192.4	188.9	182.9	169.7	164.9	148.2	155.4	155.4
85°	106.4	105.2	108.8	108.8	106.4	101.6	96.8	88.5	81.3	80.1	74.1
87.5°	89.6	90.8	93.2	93.2	88.5	84.9	78.9	72.9	66.9	63.3	57.4
90°	83.7	84.9	86.1	82.5	77.7	74.1	69.3	64.5	59.8	57.4	51.4
92.5°	80.1	80.1	80.1	75.3	70.5	66.9	63.3	58.6	55.0	52.6	47.8
95°	66.9	65.7	64.5	62.2	57.4	53.8	51.4	46.6	44.2	41.8	39.4
97.5°	50.2	49.0	47.8	46.6	41.8	39.4	38.2	35.9	33.5	29.9	28.7
100°	35.9	34.7	34.7	33.5	31.1	28.7	27.5	25.1	22.7	20.3	19.1
102.5°	23.9	22.7	22.7	21.5	20.3	19.1	16.7	15.5	13.1	12.0	10.8
105°	13.1	13.1	13.1	12.0	12.0	10.8	9.6	8.4	7.2	7.2	6.0
107.5°	9.6	9.6	9.6	9.6	8.4	8.4	7.2	6.0	6.0	4.8	4.8
110°	7.2	7.2	7.2	7.2	7.2	6.0	6.0	4.8	4.8	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8	3.6	3.6	3.6
115°	6.0	6.0	6.0	6.0	4.8	4.8	3.6	3.6	3.6	3.6	2.4
117.5°	4.8	4.8	4.8	4.8	4.8	3.6	3.6	3.6	3.6	2.4	3.6
120°	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
122.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4
125°	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
127.5°	3.6	3.6	2.4	3.6	2.4	2.4	2.4	2.4	2.4	1.2	2.4
130°	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5	321.5
2.5°	319.1	319.1	320.3	319.1	319.1	316.7	315.6	314.4	314.4	314.4
5°	317.9	317.9	316.7	314.4	313.2	310.8	308.4	307.2	306.0	307.2
7.5°	315.6	313.2	310.8	306.0	302.4	301.2	296.4	295.2	295.2	295.2
10°	310.8	308.4	302.4	296.4	294.0	290.5	286.9	283.3	284.5	285.7
12.5°	309.6	303.6	298.8	292.8	289.3	283.3	282.1	278.5	277.3	277.3
15°	310.8	306.0	300.0	295.2	290.5	288.1	283.3	282.1	278.5	280.9
17.5°	315.6	308.4	303.6	298.8	294.0	291.6	288.1	285.7	286.9	286.9
20°	320.3	313.2	308.4	304.8	300.0	296.4	295.2	292.8	294.0	291.6
22.5°	327.5	320.3	316.7	312.0	308.4	306.0	303.6	304.8	302.4	303.6
25°	337.1	331.1	326.3	322.7	319.1	316.7	316.7	316.7	315.6	316.7
27.5°	350.2	344.2	340.7	338.3	334.7	332.3	329.9	331.1	332.3	331.1
30°	362.2	355.0	353.8	351.4	349.0	347.8	347.8	347.8	347.8	350.2
32.5°	381.3	374.1	371.7	371.7	369.3	368.1	367.0	369.3	370.5	369.3
35°	411.2	401.6	399.2	398.0	396.8	396.8	398.0	398.0	398.0	398.0
37.5°	448.2	435.1	432.7	431.5	431.5	431.5	430.3	431.5	435.1	436.3
40°	465.0	456.6	460.2	466.2	469.7	469.7	468.6	470.9	474.5	474.5
42.5°	376.5	358.6	371.7	395.6	411.2	430.3	433.9	445.8	455.4	455.4
45°	306.0	231.9	236.7	252.2	259.4	276.1	285.7	296.4	302.4	294.0
47.5°	344.2	149.4	123.1	127.9	110.0	132.7	148.2	164.9	168.5	172.1
50°	540.3	154.2	104.0	75.3	50.2	66.9	70.5	80.1	77.7	78.9
52.5°	656.2	176.9	104.0	66.9	41.8	44.2	40.6	45.4	47.8	52.6
55°	736.3	212.8	135.1	84.9	49.0	29.9	20.3	15.5	14.3	14.3
57.5°	774.5	260.6	175.7	120.7	76.5	41.8	17.9	13.1	12.0	10.8
60°	810.4	312.0	222.3	164.9	120.7	74.1	33.5	13.1	10.8	10.8
62.5°	842.7	363.4	268.9	214.0	169.7	115.9	62.2	22.7	12.0	12.0
65°	869.0	374.1	272.5	231.9	182.9	136.3	81.3	27.5	13.1	13.1
67.5°	876.1	356.2	263.0	212.8	170.9	115.9	63.3	22.7	15.5	14.3
70°	828.3	338.3	264.2	202.0	154.2	102.8	41.8	26.3	20.3	19.1
72.5°	749.4	313.2	251.0	196.0	148.2	104.0	49.0	43.0	38.2	35.9
75°	659.8	283.3	231.9	187.7	143.4	100.4	57.4	53.8	49.0	47.8
77.5°	529.5	235.5	194.8	159.0	120.7	80.1	47.8	45.4	39.4	39.4
80°	347.8	175.7	147.0	121.9	92.0	56.2	35.9	32.3	28.7	27.5
82.5°	142.2	102.8	88.5	76.5	59.8	35.9	23.9	20.3	16.7	15.5
85°	69.3	51.4	44.2	35.9	29.9	20.3	15.5	13.1	9.6	9.6
87.5°	56.2	40.6	33.5	27.5	20.3	14.3	10.8	8.4	6.0	4.8
90°	51.4	35.9	28.7	22.7	16.7	12.0	7.2	6.0	3.6	2.4
92.5°	46.6	31.1	25.1	17.9	13.1	9.6	4.8	3.6	2.4	2.4
95°	38.2	23.9	19.1	14.3	10.8	7.2	4.8	2.4	1.2	1.2
97.5°	27.5	17.9	14.3	10.8	8.4	4.8	3.6	2.4	1.2	1.2
100°	19.1	12.0	10.8	8.4	6.0	3.6	2.4	1.2	1.2	1.2
102.5°	9.6	7.2	7.2	6.0	4.8	3.6	1.2	1.2	0.0	0.0
105°	6.0	4.8	4.8	3.6	2.4	2.4	1.2	1.2	0.0	0.0
107.5°	3.6	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
110°	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
115°	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
117.5°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
120°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)