

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: P691367

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T5R-7050-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3941 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G1

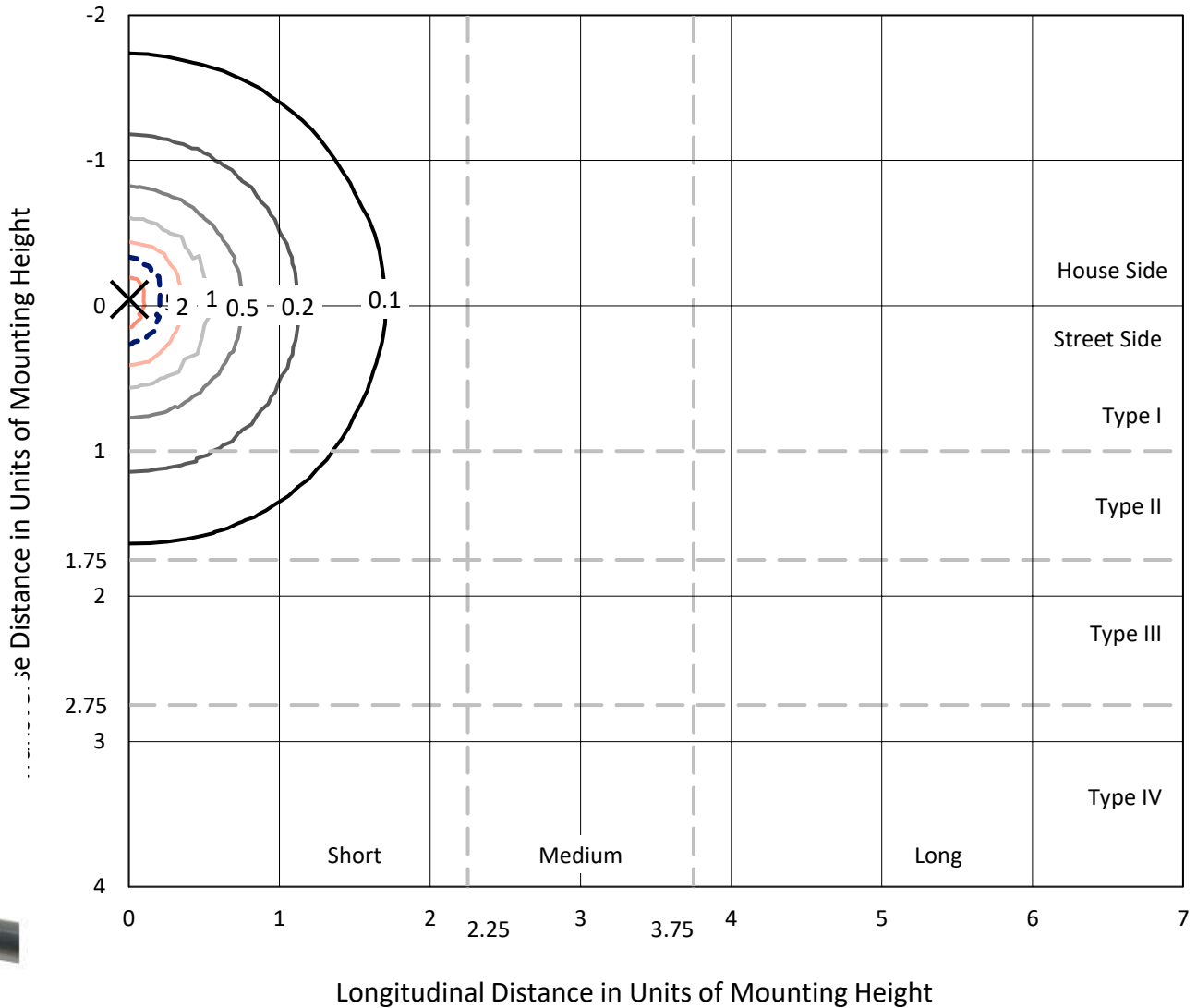
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

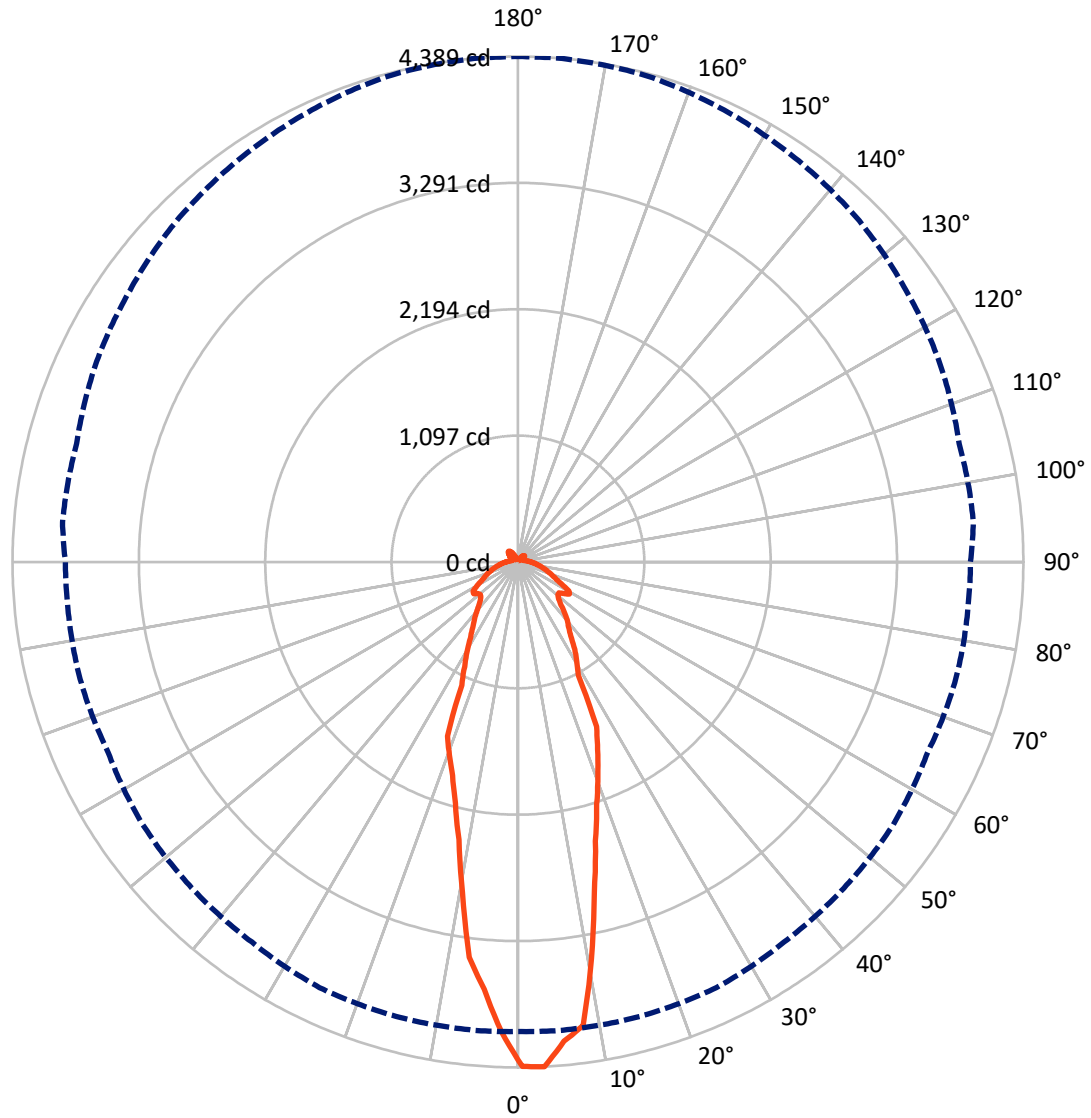
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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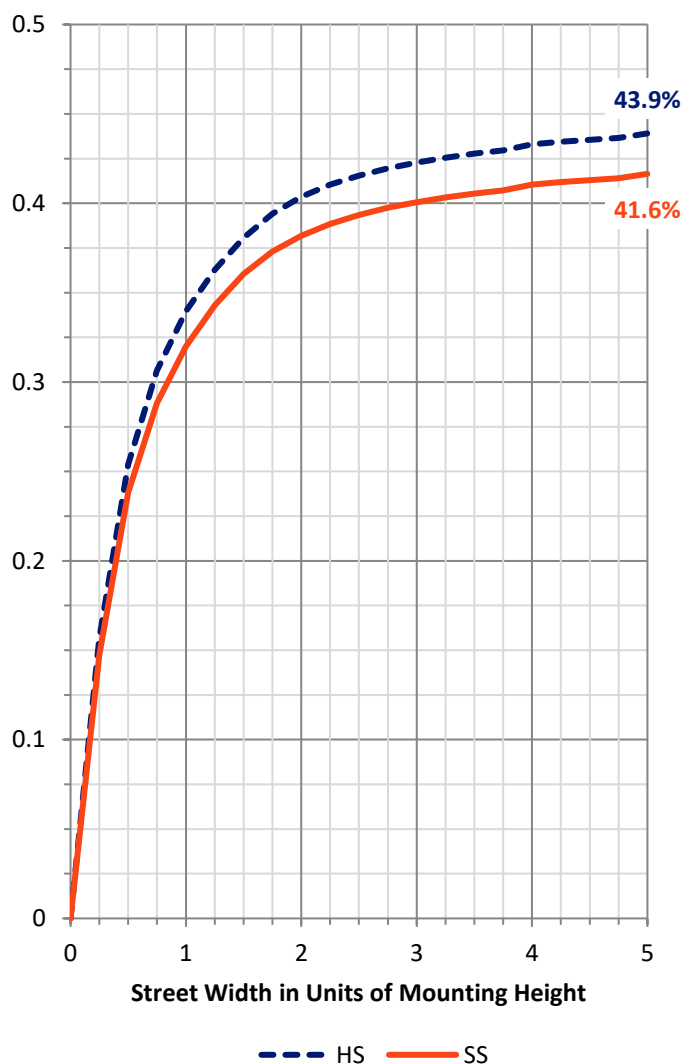
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1783.6	235.6	2019.3
	% Fixture	45.3	6.0	51.2
<b>Street Side</b>	Lumens	1679.9	241.8	1921.7
	% Fixture	42.6	6.1	48.8
<b>Total</b>	Lumens	3463.5	477.4	3941.0
	% Fixture	87.9	12.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.1	8.3
10°-20°	572.3	14.5
20°-30°	567.5	14.4
30°-40°	437.4	11.1
40°-50°	375.0	9.5
50°-60°	419.4	10.6
60°-70°	359.4	9.1
70°-80°	247.3	6.3
80°-90°	159.2	4.0
90°-100°	95.4	2.4
100°-110°	56.7	1.4
110°-120°	52.5	1.3
120°-130°	75.0	1.9
130°-140°	96.9	2.5
140°-150°	71.7	1.8
150°-160°	26.2	0.7
160°-170°	3.1	0.1
170°-180°	0.0	0.0
0°-90°	3463.5	87.9
0°-180°	3941.0	100.0

**Coefficient of Utilization**



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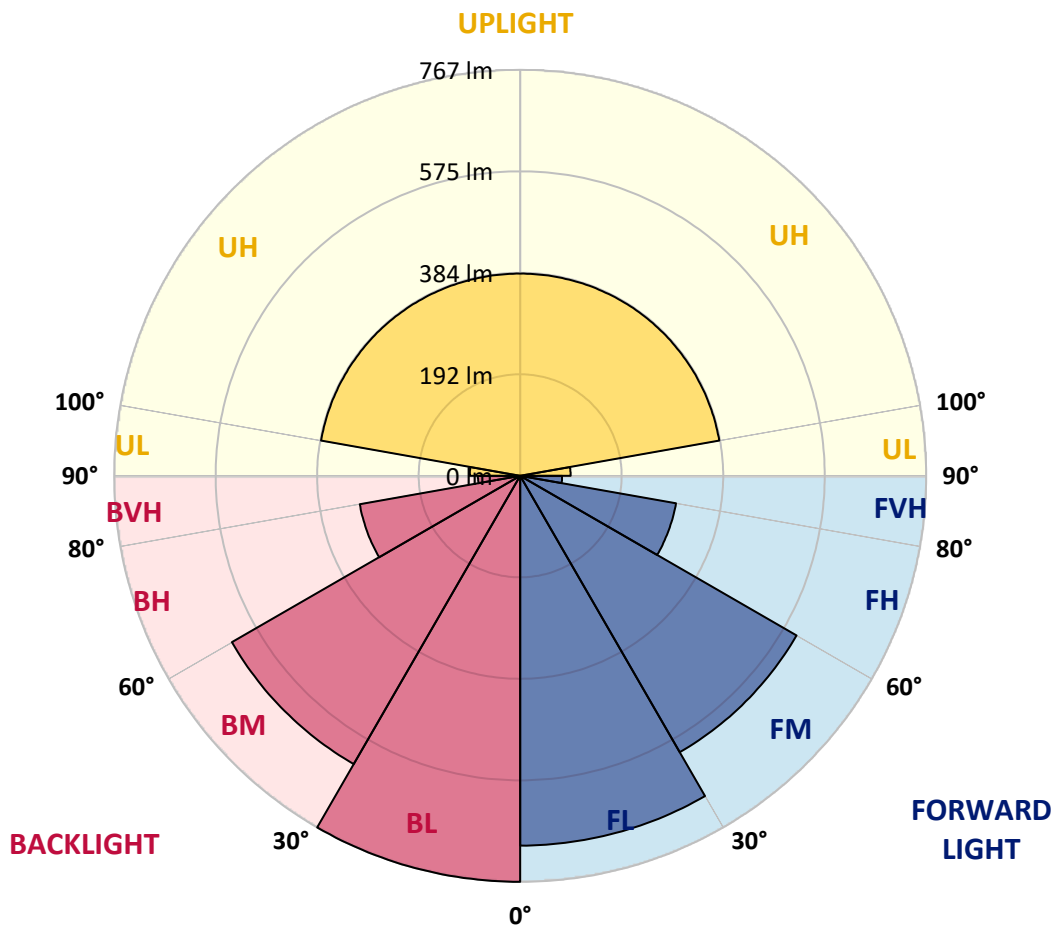
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-RMARROA5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.7	17.7			
FM (30°-60°)	603.0	15.3			
FH (60°-80°)	298.9	7.6			G0/660
FVH (80°-90°)	79.3	2.0			G1/100
BL (0°-30°)	767.1	19.5	B2/1000		
BM (30°-60°)	629.0	16.0	B1/1000		
BH (60°-80°)	307.7	7.8	B1/500		G0/660
BVH (80°-90°)	79.8	2.0			G1/100
UL (90°-100°)	95.4	2.4		U3/500	
UH (100°-180°)	382.1	9.7		U3/500	

**BUG Rating: B2-U3-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6
2.5°	4077.2	4083.1	4084.6	4077.2	4028.3	4003.1	3976.4	3923.0	3934.9	3927.4	3928.9
5°	3697.6	3721.4	3684.3	3673.9	3599.8	3544.9	3491.5	3433.7	3420.4	3396.7	3405.6
7.5°	3445.6	3458.9	3398.1	3335.9	3217.3	3132.8	3043.8	2954.8	2888.1	2862.9	2873.3
10°	2868.9	2913.3	2852.5	2788.8	2676.1	2575.3	2481.9	2394.4	2333.6	2314.4	2317.3
12.5°	2438.9	2464.1	2412.2	2369.2	2243.2	2146.8	2060.8	1979.3	1930.4	1909.6	1909.6
15°	2154.2	2164.6	2124.6	2041.6	1946.7	1859.2	1786.5	1727.2	1687.2	1679.8	1682.8
17.5°	1939.3	1939.3	1899.2	1834.0	1761.3	1684.2	1633.8	1589.4	1571.6	1577.5	1579.0
20°	1777.7	1779.1	1743.6	1679.8	1617.5	1547.8	1506.3	1475.2	1464.8	1475.2	1476.7
22.5°	1624.9	1632.4	1593.8	1546.4	1478.2	1423.3	1389.2	1355.1	1349.2	1353.6	1353.6
25°	1175.7	1175.7	1162.4	1125.3	1140.1	1146.1	1186.1	1272.1	1254.3	1270.6	1269.1
27.5°	1014.1	1020.0	993.3	960.7	926.6	886.6	879.2	871.8	864.4	898.5	910.3
30°	895.5	898.5	876.2	854.0	825.8	803.6	797.6	797.6	790.2	816.9	815.4
32.5°	782.8	778.4	772.4	751.7	733.9	714.6	719.1	716.1	716.1	739.8	741.3
35°	693.9	692.4	687.9	673.1	655.3	640.5	644.9	647.9	646.4	661.2	661.2
37.5°	628.6	630.1	627.1	621.2	603.4	591.6	594.5	591.6	596.0	606.4	606.4
40°	564.9	564.9	566.4	564.9	553.0	548.6	557.5	553.0	563.4	570.8	567.8
42.5°	504.1	505.6	508.5	505.6	498.2	493.7	498.2	499.6	514.5	524.8	523.4
45°	465.5	465.5	467.0	465.5	459.6	455.2	455.2	450.7	461.1	467.0	465.5
47.5°	440.3	440.3	443.3	441.8	438.9	434.4	431.4	425.5	430.0	434.4	430.0
50°	431.4	431.4	437.4	437.4	435.9	431.4	427.0	419.6	421.1	424.0	418.1
52.5°	444.8	444.8	455.2	459.6	459.6	452.2	446.3	435.9	435.9	438.9	430.0
55°	473.0	473.0	489.3	498.2	499.6	499.6	492.2	481.8	483.3	489.3	480.4
57.5°	462.6	464.1	477.4	489.3	496.7	501.1	501.1	495.2	499.6	514.5	510.0
60°	413.6	416.6	425.5	435.9	449.2	453.7	453.7	452.2	459.6	477.4	477.4
62.5°	367.7	369.2	373.6	382.5	389.9	392.9	392.9	387.0	395.9	404.8	401.8
65°	332.1	330.6	339.5	346.9	351.4	355.8	351.4	345.4	349.9	355.8	354.3
67.5°	302.5	302.5	309.9	315.8	318.8	323.2	320.2	317.3	323.2	326.2	323.2
70°	274.3	275.8	281.7	286.1	289.1	293.6	289.1	287.6	293.6	296.5	295.0
72.5°	246.1	247.6	252.0	258.0	260.9	262.4	260.9	259.5	263.9	266.9	266.9
75°	220.9	222.4	225.4	231.3	231.3	234.3	232.8	231.3	235.7	238.7	238.7
77.5°	197.2	200.2	201.6	206.1	207.6	209.0	207.6	207.6	210.5	213.5	215.0
80°	176.4	177.9	179.4	183.8	183.8	185.3	183.8	183.8	186.8	191.3	191.3
82.5°	157.2	158.6	160.1	163.1	161.6	163.1	163.1	163.1	166.1	170.5	170.5
85°	137.9	140.8	140.8	143.8	143.8	143.8	143.8	145.3	146.8	151.2	151.2
87.5°	121.6	123.1	124.5	126.0	126.0	127.5	127.5	129.0	130.5	133.4	134.9
90°	105.3	106.7	108.2	108.2	108.2	109.7	109.7	111.2	112.7	115.6	117.1
92.5°	93.4	94.9	94.9	96.4	96.4	96.4	97.9	99.3	100.8	103.8	103.8
95°	83.0	84.5	84.5	84.5	84.5	86.0	86.0	87.5	89.0	91.9	91.9
97.5°	74.1	74.1	74.1	74.1	74.1	75.6	75.6	77.1	78.6	80.1	80.1
100°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	66.7	66.7	69.7	69.7
102.5°	57.8	57.8	56.3	56.3	56.3	54.9	54.9	56.3	56.3	57.8	57.8
105°	51.9	51.9	51.9	51.9	50.4	50.4	50.4	50.4	50.4	51.9	51.9
107.5°	50.4	50.4	48.9	48.9	48.9	47.4	47.4	47.4	47.4	48.9	48.9
110°	48.9	48.9	48.9	48.9	47.4	47.4	46.0	46.0	46.0	47.4	47.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.4	50.4	50.4	48.9	48.9	47.4	47.4	47.4	47.4	47.4	48.9
115°	53.4	51.9	51.9	51.9	51.9	50.4	48.9	48.9	50.4	50.4	50.4
117.5°	57.8	56.3	56.3	57.8	56.3	54.9	53.4	53.4	54.9	54.9	56.3
120°	63.8	62.3	63.8	63.8	63.8	62.3	60.8	59.3	60.8	62.3	62.3
122.5°	71.2	69.7	71.2	72.6	72.6	71.2	68.2	68.2	69.7	71.2	72.6
125°	80.1	80.1	81.5	83.0	84.5	81.5	80.1	78.6	81.5	83.0	83.0
127.5°	90.4	89.0	91.9	96.4	97.9	94.9	91.9	90.4	93.4	96.4	96.4
130°	100.8	99.3	103.8	108.2	111.2	108.2	105.3	103.8	106.7	109.7	109.7
132.5°	109.7	108.2	114.2	120.1	123.1	121.6	118.6	115.6	120.1	123.1	121.6
135°	117.1	117.1	124.5	130.5	133.4	132.0	129.0	126.0	132.0	134.9	132.0
137.5°	121.6	121.6	130.5	136.4	139.4	139.4	137.9	134.9	140.8	142.3	137.9
140°	121.6	123.1	130.5	136.4	137.9	139.4	139.4	137.9	143.8	143.8	139.4
142.5°	117.1	118.6	126.0	132.0	133.4	134.9	136.4	134.9	139.4	139.4	136.4
145°	109.7	111.2	118.6	124.5	124.5	126.0	129.0	127.5	130.5	132.0	129.0
147.5°	99.3	100.8	106.7	109.7	111.2	114.2	117.1	117.1	118.6	120.1	118.6
150°	86.0	86.0	90.4	93.4	94.9	97.9	100.8	102.3	102.3	103.8	102.3
152.5°	68.2	68.2	71.2	74.1	75.6	80.1	81.5	83.0	84.5	86.0	84.5
155°	51.9	51.9	53.4	54.9	56.3	60.8	62.3	63.8	65.2	66.7	65.2
157.5°	37.1	37.1	38.5	40.0	41.5	44.5	46.0	47.4	47.4	48.9	48.9
160°	23.7	25.2	25.2	26.7	26.7	29.7	31.1	31.1	32.6	34.1	34.1
162.5°	11.9	13.3	13.3	14.8	16.3	17.8	19.3	19.3	20.8	20.8	20.8
165°	3.0	4.4	4.4	5.9	5.9	7.4	8.9	8.9	10.4	10.4	10.4
167.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0
170°	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	1.5	1.5	1.5
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°	178°	180°
0°	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6	4379.6
2.5°	3969.0	3966.0	4047.5	4112.8	4189.9	4250.6	4310.0	4366.3	4388.5	4387.0	4388.5
5°	3445.6	3497.5	3604.2	3709.5	3834.0	3951.2	4060.9	4133.5	4179.5	4179.5	4183.9
7.5°	2920.7	3003.8	3135.7	3303.3	3490.1	3642.8	3828.1	3958.6	4062.4	4059.4	4078.7
10°	2358.8	2424.1	2556.0	2735.4	2941.5	3117.9	3279.5	3401.1	3501.9	3496.0	3521.2
12.5°	1937.8	1983.7	2097.9	2261.0	2449.3	2619.8	2778.4	2873.3	2944.5	2943.0	2956.3
15°	1690.2	1737.6	1811.8	1924.4	2080.1	2231.3	2390.0	2476.0	2516.0	2511.5	2533.8
17.5°	1589.4	1608.6	1654.6	1730.2	1842.9	1965.9	2092.0	2166.1	2212.1	2206.1	2222.4
20°	1481.1	1498.9	1530.1	1586.4	1666.5	1759.9	1866.6	1948.2	1982.3	1980.8	1991.1
22.5°	1356.6	1365.5	1399.6	1444.1	1501.9	1577.5	1659.0	1733.2	1767.3	1765.8	1776.2
25°	1270.6	1285.4	1306.2	1332.9	1372.9	1432.2	1500.4	1552.3	1583.4	1580.5	1593.8
27.5°	928.1	942.9	953.3	969.6	971.1	1020.0	1043.8	1086.8	1114.9	1113.4	1122.3
30°	815.4	818.4	827.3	849.5	862.9	901.4	948.9	981.5	1005.2	1014.1	1020.0
32.5°	744.3	753.2	763.5	773.9	790.2	814.0	851.0	880.7	905.9	910.3	920.7
35°	662.7	668.7	676.1	686.4	696.8	716.1	744.3	768.0	787.3	794.7	800.6
37.5°	604.9	606.4	613.8	625.7	634.6	650.9	676.1	693.9	713.1	714.6	720.5
40°	566.4	567.8	575.3	585.6	596.0	606.4	628.6	644.9	658.3	659.8	664.2
42.5°	521.9	526.3	529.3	533.7	541.2	550.0	569.3	578.2	587.1	588.6	594.5
45°	461.1	462.6	465.5	470.0	478.9	487.8	501.1	511.5	517.4	517.4	515.9
47.5°	427.0	428.5	428.5	434.4	441.8	450.7	462.6	471.5	474.4	474.4	474.4
50°	415.1	415.1	412.2	416.6	424.0	430.0	441.8	449.2	450.7	452.2	453.7
52.5°	424.0	421.1	412.2	416.6	424.0	430.0	441.8	444.8	444.8	447.7	449.2
55°	473.0	468.5	450.7	453.7	462.6	470.0	478.9	480.4	483.3	487.8	486.3
57.5°	504.1	507.1	486.3	490.7	507.1	513.0	523.4	521.9	527.8	533.7	535.2
60°	474.4	483.3	467.0	473.0	492.2	495.2	505.6	499.6	508.5	508.5	508.5
62.5°	403.3	406.2	397.3	406.2	424.0	424.0	431.4	427.0	430.0	427.0	428.5
65°	352.9	351.4	341.0	352.9	358.8	361.8	367.7	369.2	369.2	366.2	366.2
67.5°	321.7	318.8	309.9	312.8	318.8	320.2	329.1	330.6	329.1	329.1	330.6
70°	293.6	289.1	280.2	281.7	286.1	287.6	295.0	298.0	296.5	295.0	296.5
72.5°	265.4	260.9	252.0	252.0	256.5	259.5	265.4	268.4	265.4	265.4	266.9
75°	238.7	234.3	225.4	225.4	228.3	229.8	237.2	238.7	237.2	235.7	237.2
77.5°	215.0	212.0	203.1	203.1	204.6	206.1	210.5	212.0	210.5	209.0	210.5
80°	192.7	188.3	182.4	180.9	182.4	182.4	186.8	188.3	185.3	185.3	186.8
82.5°	172.0	167.5	161.6	161.6	160.1	161.6	164.6	166.1	164.6	163.1	164.6
85°	152.7	149.7	143.8	142.3	142.3	142.3	145.3	145.3	143.8	143.8	143.8
87.5°	134.9	132.0	126.0	126.0	124.5	126.0	127.5	127.5	126.0	126.0	126.0
90°	117.1	114.2	109.7	109.7	108.2	109.7	111.2	111.2	109.7	109.7	109.7
92.5°	103.8	102.3	97.9	97.9	96.4	97.9	97.9	97.9	96.4	96.4	96.4
95°	91.9	90.4	87.5	86.0	86.0	86.0	86.0	86.0	84.5	84.5	84.5
97.5°	80.1	78.6	75.6	75.6	74.1	75.6	75.6	75.6	74.1	74.1	74.1
100°	69.7	68.2	66.7	66.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
102.5°	57.8	57.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
105°	51.9	51.9	51.9	51.9	53.4	53.4	53.4	51.9	51.9	51.9	51.9
107.5°	48.9	48.9	48.9	50.4	50.4	50.4	51.9	48.9	47.4	47.4	47.4
110°	47.4	47.4	48.9	48.9	50.4	50.4	51.9	46.0	44.5	44.5	44.5



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	48.9	48.9	48.9	50.4	51.9	51.9	53.4	46.0	44.5	44.5	44.5
115°	51.9	51.9	51.9	53.4	54.9	56.3	56.3	48.9	46.0	46.0	47.4
117.5°	56.3	56.3	56.3	57.8	60.8	60.8	60.8	51.9	50.4	50.4	50.4
120°	62.3	63.8	63.8	65.2	68.2	69.7	66.7	59.3	50.4	54.9	54.9
122.5°	71.2	72.6	74.1	75.6	80.1	80.1	75.6	68.2	54.9	60.8	62.3
125°	83.0	84.5	86.0	89.0	93.4	93.4	87.5	77.1	62.3	68.2	69.7
127.5°	94.9	97.9	99.3	103.8	109.7	109.7	102.3	89.0	69.7	74.1	75.6
130°	108.2	111.2	114.2	120.1	127.5	124.5	118.6	100.8	75.6	78.6	78.6
132.5°	120.1	124.5	126.0	134.9	142.3	139.4	132.0	108.2	78.6	78.6	77.1
135°	129.0	132.0	133.4	142.3	149.7	145.3	136.4	111.2	77.1	74.1	74.1
137.5°	134.9	137.9	139.4	145.3	151.2	143.8	132.0	105.3	74.1	72.6	71.2
140°	137.9	137.9	137.9	142.3	145.3	136.4	121.6	94.9	66.7	69.7	69.7
142.5°	134.9	133.4	132.0	134.9	136.4	126.0	112.7	84.5	60.8	63.8	63.8
145°	127.5	124.5	123.1	124.5	124.5	112.7	97.9	72.6	53.4	54.9	54.9
147.5°	117.1	112.7	109.7	109.7	108.2	96.4	83.0	60.8	46.0	44.5	44.5
150°	100.8	96.4	93.4	93.4	89.0	78.6	66.7	47.4	37.1	37.1	37.1
152.5°	83.0	78.6	75.6	75.6	71.2	60.8	50.4	35.6	28.2	28.2	28.2
155°	65.2	60.8	57.8	56.3	53.4	46.0	37.1	26.7	20.8	20.8	20.8
157.5°	48.9	46.0	43.0	41.5	38.5	34.1	26.7	19.3	13.3	14.8	14.8
160°	34.1	31.1	29.7	28.2	26.7	22.2	17.8	11.9	7.4	7.4	7.4
162.5°	20.8	19.3	19.3	17.8	16.3	14.8	10.4	5.9	3.0	3.0	3.0
165°	10.4	10.4	8.9	8.9	7.4	5.9	4.4	1.5	0.0	0.0	0.0
167.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
170°	1.5	1.5	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)