

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: P691306

Luminaire Tested: **CRTK2-C015-D-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T2-7050-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3698 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B2 - U3 - G1

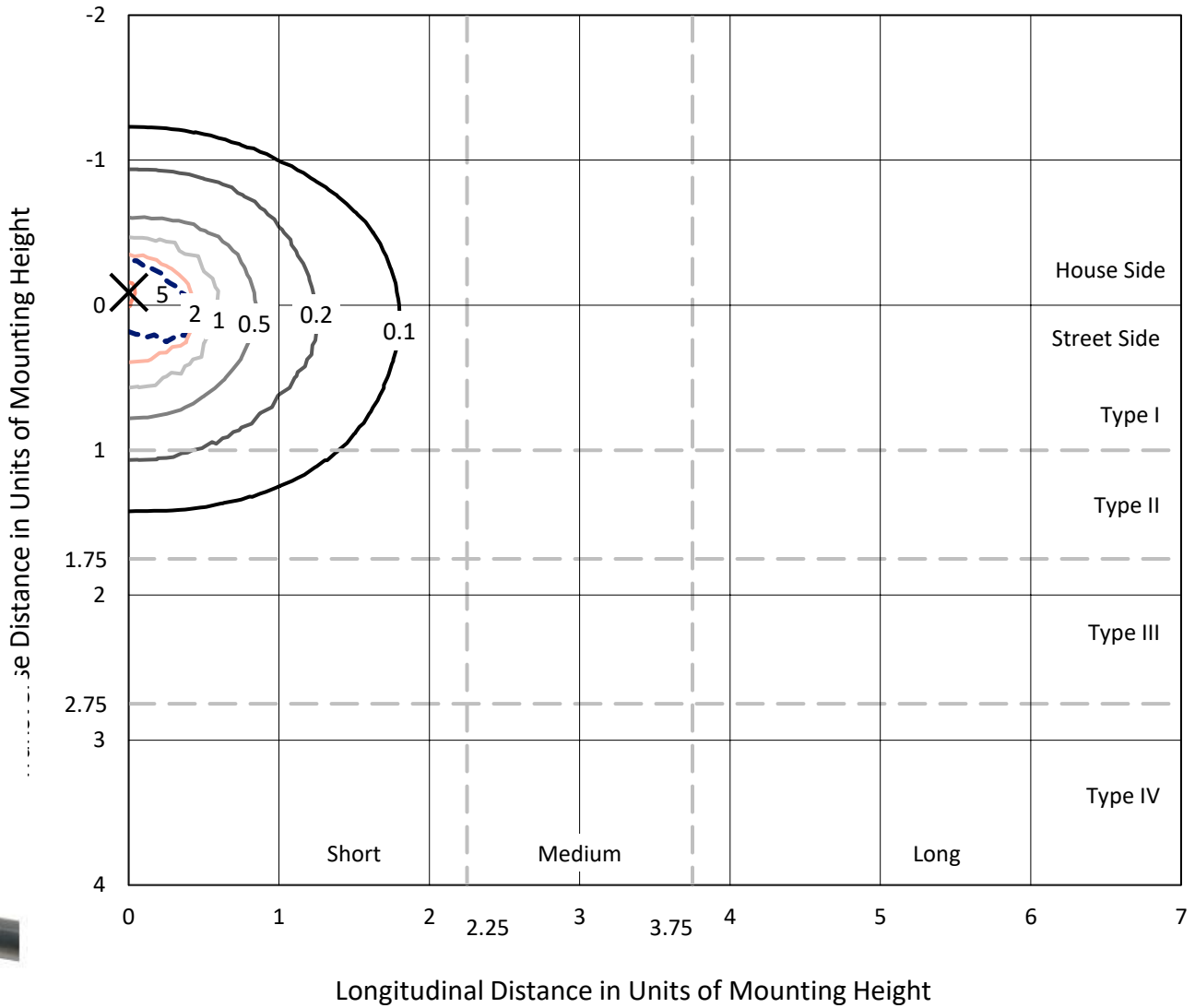
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

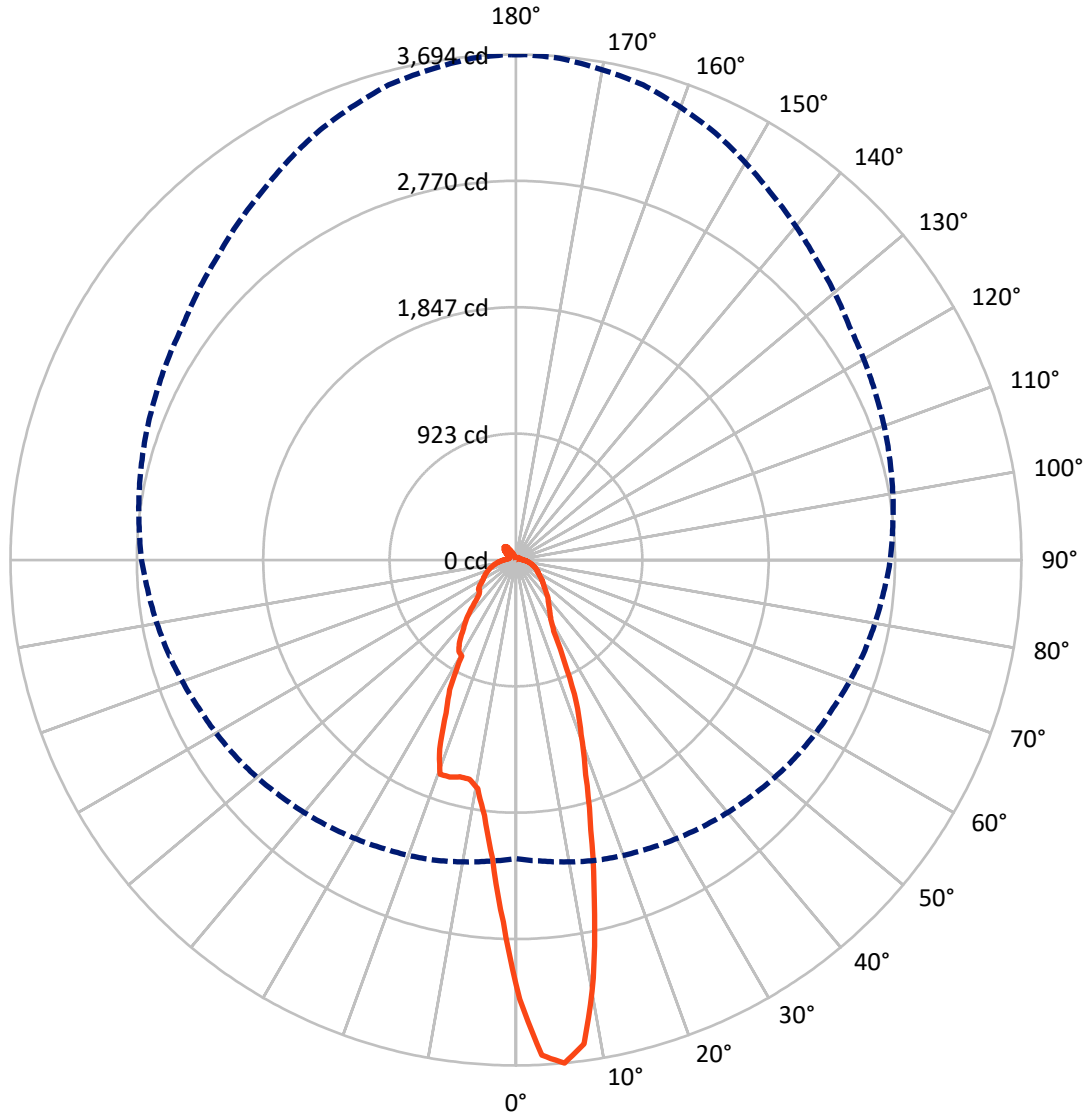
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 179-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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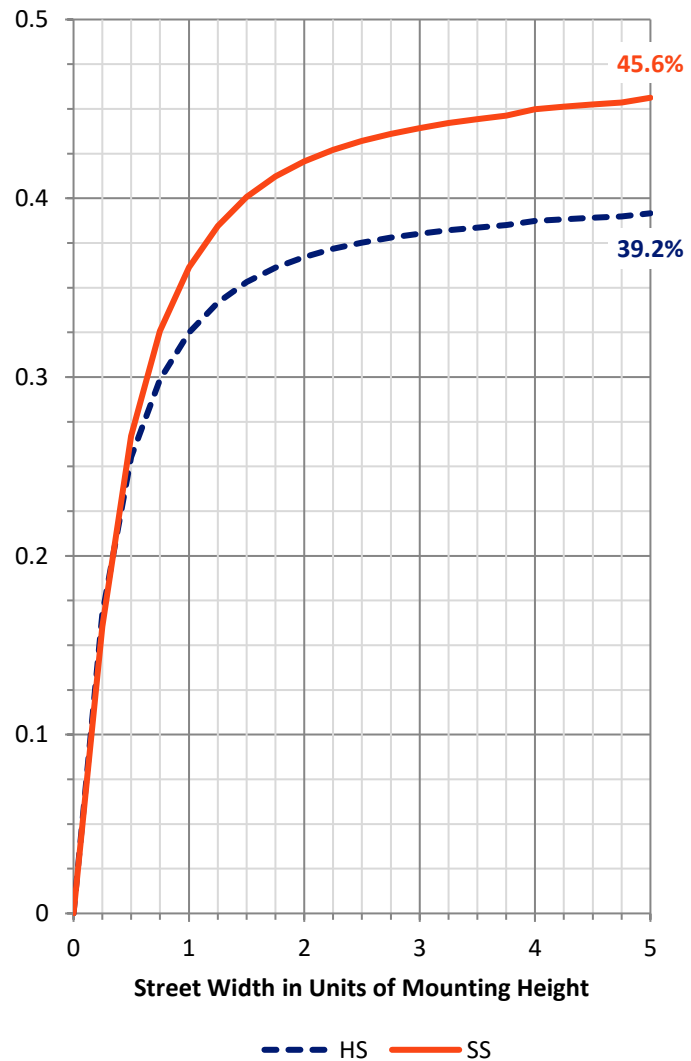
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1488.1	180.9	1669.1
	% Fixture	40.2	4.9	45.1
<b>Street Side</b>	Lumens	1727.2	301.7	2028.9
	% Fixture	46.7	8.2	54.9
<b>Total</b>	Lumens	3215.4	482.6	3698.0
	% Fixture	86.9	13.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.9	6.8
10°-20°	535.3	14.5
20°-30°	581.5	15.7
30°-40°	430.4	11.6
40°-50°	360.4	9.7
50°-60°	362.4	9.8
60°-70°	308.5	8.3
70°-80°	230.5	6.2
80°-90°	155.6	4.2
90°-100°	93.0	2.5
100°-110°	53.7	1.5
110°-120°	49.5	1.3
120°-130°	71.5	1.9
130°-140°	97.9	2.6
140°-150°	80.7	2.2
150°-160°	32.5	0.9
160°-170°	4.0	0.1
170°-180°	0.0	0.0
0°-90°	3215.4	86.9
0°-180°	3698.0	100.0



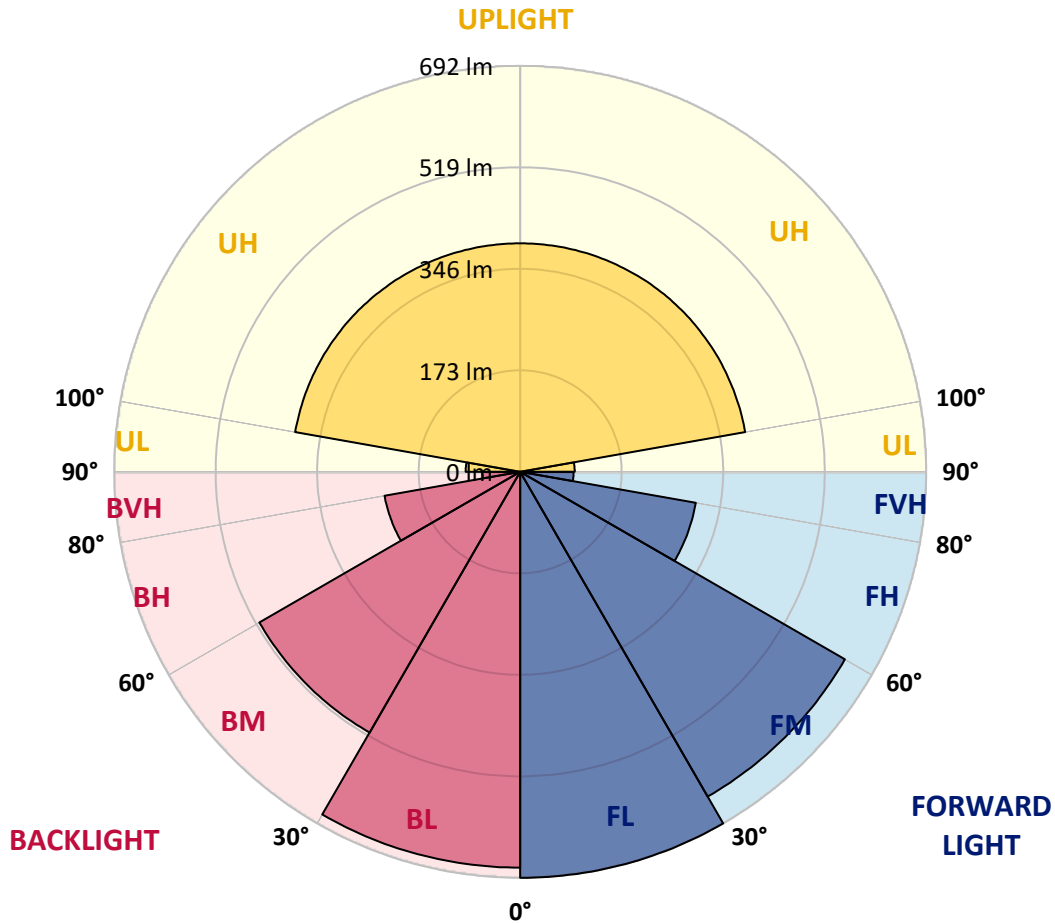
REPORT NUMBER: P691306  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	692.5	18.7			
FM (30°-60°)	639.5	17.3			
FH (60°-80°)	304.2	8.2			G0/660
FVH (80°-90°)	91.1	2.5			G1/100
BL (0°-30°)	675.1	18.3	B2/1000		
BM (30°-60°)	513.7	13.9	B1/1000		
BH (60°-80°)	234.8	6.3	B1/500		G1/500
BVH (80°-90°)	64.5	1.7			G1/100
UL (90°-100°)	93.0	2.5		U3/500	
UH (100°-180°)	389.7	10.5		U3/500	

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

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0
2.5°	2645.5	2660.3	2692.9	2709.2	2725.5	2746.3	2777.4	2801.2	2856.0	2906.4	2927.2
5°	2182.8	2209.5	2271.8	2322.2	2378.5	2437.9	2501.6	2558.0	2630.6	2697.4	2735.9
7.5°	1875.8	1898.1	1972.2	2070.1	2169.5	2252.5	2317.7	2360.7	2393.4	2420.1	2448.2
10°	1689.0	1708.3	1782.4	1869.9	1954.4	2031.5	2086.4	2127.9	2139.8	2166.5	2179.8
12.5°	1635.6	1644.5	1696.4	1757.2	1809.1	1884.7	1950.0	1994.5	2013.8	2037.5	2044.9
15°	1637.1	1637.1	1666.8	1705.3	1752.8	1810.6	1883.3	1936.6	1964.8	1978.2	1976.7
17.5°	1659.3	1657.9	1671.2	1702.3	1742.4	1800.2	1874.4	1929.2	1961.8	1966.3	1961.8
20°	1659.3	1660.8	1665.3	1700.9	1739.4	1791.3	1866.9	1912.9	1938.1	1924.8	1909.9
22.5°	1490.3	1488.8	1527.4	1603.0	1706.8	1815.0	1883.3	1939.6	1945.5	1896.6	1856.6
25°	1230.8	1220.4	1242.7	1276.8	1346.5	1472.5	1614.9	1828.4	1955.9	1927.7	1866.9
27.5°	1067.7	1054.3	1073.6	1058.8	1051.4	1042.5	1033.6	1008.4	1024.7	1039.5	1104.7
30°	805.2	808.2	812.6	821.5	839.3	874.9	912.0	934.2	953.5	992.0	987.6
32.5°	787.4	785.9	787.4	796.3	805.2	827.4	849.7	861.6	876.4	913.5	904.6
35°	728.1	725.1	735.5	740.0	738.5	744.4	766.6	780.0	793.3	817.1	808.2
37.5°	640.6	643.6	665.8	677.7	682.1	695.5	713.3	725.1	741.4	759.2	754.8
40°	575.4	573.9	597.6	613.9	624.3	645.1	671.7	689.5	716.2	731.1	720.7
42.5°	495.3	501.2	519.0	535.3	538.3	548.7	572.4	593.2	625.8	648.0	642.1
45°	416.7	421.1	436.0	449.3	459.7	473.0	490.8	508.6	535.3	553.1	551.6
47.5°	367.8	372.2	384.1	400.4	415.2	434.5	452.3	470.1	495.3	508.6	504.2
50°	348.5	351.4	364.8	382.6	404.8	428.6	452.3	471.6	495.3	504.2	496.8
52.5°	347.0	347.0	363.3	390.0	421.1	453.8	484.9	511.6	533.8	533.8	519.0
55°	326.2	329.2	350.0	385.5	433.0	486.4	541.3	591.7	621.3	615.4	587.2
57.5°	296.6	298.1	320.3	354.4	404.8	470.1	544.2	608.0	643.6	651.0	621.3
60°	278.8	280.3	295.1	327.7	370.7	422.6	490.8	541.3	576.8	599.1	575.4
62.5°	264.0	264.0	278.8	301.0	336.6	375.2	413.7	447.8	476.0	492.3	479.0
65°	247.6	247.6	258.0	278.8	307.0	344.0	373.7	398.9	424.1	436.0	424.1
67.5°	231.3	231.3	241.7	261.0	286.2	317.3	347.0	370.7	395.9	404.8	395.9
70°	215.0	215.0	225.4	241.7	265.4	295.1	317.3	342.5	366.3	372.2	364.8
72.5°	198.7	198.7	209.1	223.9	244.7	272.8	293.6	312.9	335.1	339.6	332.2
75°	183.9	183.9	191.3	206.1	225.4	250.6	271.4	289.2	307.0	307.0	301.0
77.5°	167.6	169.0	175.0	188.3	206.1	229.8	249.1	265.4	280.3	280.3	272.8
80°	151.3	152.7	158.7	170.5	186.8	209.1	226.9	241.7	255.1	255.1	247.6
82.5°	134.9	136.4	142.4	152.7	167.6	188.3	206.1	220.9	232.8	231.3	223.9
85°	120.1	121.6	126.0	134.9	148.3	169.0	185.4	198.7	209.1	207.6	201.7
87.5°	105.3	106.8	111.2	118.6	130.5	149.8	166.1	177.9	186.8	185.4	179.4
90°	91.9	91.9	96.4	103.8	114.2	130.5	145.3	155.7	164.6	161.6	155.7
92.5°	80.1	81.6	84.5	90.5	99.4	114.2	127.5	136.4	145.3	143.8	137.9
95°	71.2	71.2	74.1	78.6	86.0	97.9	111.2	118.6	124.6	124.6	120.1
97.5°	62.3	63.8	65.2	68.2	74.1	83.0	93.4	100.8	105.3	105.3	102.3
100°	56.3	57.8	57.8	60.8	63.8	69.7	77.1	83.0	87.5	87.5	86.0
102.5°	53.4	53.4	53.4	54.9	56.3	59.3	63.8	66.7	69.7	71.2	69.7
105°	50.4	50.4	50.4	51.9	51.9	54.9	56.3	59.3	60.8	60.8	59.3
107.5°	48.9	48.9	50.4	50.4	50.4	51.9	54.9	54.9	56.3	54.9	54.9
110°	50.4	50.4	50.4	50.4	50.4	51.9	53.4	53.4	53.4	53.4	51.9



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CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-RMARROA5

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	51.9	51.9	51.9	51.9	53.4	53.4	53.4	54.9	54.9	53.4	53.4
115°	56.3	56.3	56.3	56.3	56.3	57.8	57.8	57.8	57.8	56.3	54.9
117.5°	60.8	60.8	60.8	62.3	62.3	63.8	62.3	63.8	62.3	60.8	60.8
120°	68.2	68.2	69.7	71.2	72.7	72.7	71.2	72.7	72.7	69.7	68.2
122.5°	77.1	77.1	78.6	83.0	84.5	86.0	84.5	84.5	84.5	81.6	80.1
125°	86.0	87.5	90.5	96.4	100.8	103.8	100.8	102.3	102.3	97.9	96.4
127.5°	96.4	97.9	103.8	112.7	120.1	123.1	121.6	123.1	124.6	117.1	114.2
130°	106.8	106.8	115.7	129.0	139.4	143.8	145.3	146.8	148.3	140.9	134.9
132.5°	115.7	115.7	127.5	143.8	157.2	164.6	167.6	170.5	173.5	163.1	155.7
135°	121.6	123.1	137.9	157.2	173.5	183.9	188.3	191.3	195.7	183.9	175.0
137.5°	126.0	129.0	143.8	164.6	182.4	197.2	206.1	210.6	213.5	201.7	189.8
140°	127.5	129.0	145.3	166.1	183.9	200.2	213.5	220.9	222.4	210.6	198.7
142.5°	123.1	126.0	140.9	161.6	179.4	197.2	212.1	219.5	220.9	210.6	198.7
145°	117.1	118.6	132.0	151.3	169.0	188.3	204.6	212.1	212.1	203.2	191.3
147.5°	106.8	108.3	120.1	136.4	154.2	173.5	189.8	197.2	198.7	189.8	179.4
150°	91.9	93.4	102.3	115.7	133.5	152.7	167.6	176.5	176.5	167.6	160.2
152.5°	74.1	75.6	83.0	93.4	108.3	126.0	139.4	148.3	148.3	142.4	133.5
155°	57.8	57.8	63.8	72.7	83.0	96.4	106.8	114.2	115.7	109.7	103.8
157.5°	41.5	41.5	46.0	53.4	62.3	72.7	80.1	86.0	86.0	81.6	78.6
160°	28.2	28.2	31.1	35.6	41.5	48.9	54.9	60.8	60.8	57.8	54.9
162.5°	14.8	14.8	17.8	20.8	25.2	31.1	34.1	38.6	38.6	37.1	35.6
165°	4.4	4.4	5.9	7.4	10.4	13.3	14.8	17.8	19.3	17.8	16.3
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	3.0	4.4	4.4	4.4	4.4
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°	179°	180°
0°	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0	3209.0
2.5°	2949.4	3042.9	3127.4	3214.9	3323.1	3418.0	3520.4	3593.0	3624.2	3624.2	3636.0
5°	2764.1	2829.3	2897.5	2974.7	3103.7	3262.3	3444.7	3594.5	3680.5	3693.9	3692.4
7.5°	2457.1	2501.6	2571.3	2657.3	2776.0	2918.3	3152.6	3386.9	3542.6	3570.8	3560.4
10°	2187.2	2228.8	2270.3	2302.9	2387.4	2500.1	2672.1	2900.5	3079.9	3108.1	3085.9
12.5°	2049.3	2062.7	2061.2	2080.5	2114.6	2170.9	2258.4	2390.4	2513.5	2540.2	2520.9
15°	1976.7	1957.4	1927.7	1893.6	1890.7	1899.6	1921.8	1975.2	2027.1	2049.3	2034.5
17.5°	1947.0	1901.1	1840.3	1773.5	1729.0	1687.5	1659.3	1641.5	1649.0	1650.4	1638.6
20°	1877.3	1822.5	1724.6	1629.7	1558.5	1485.8	1423.6	1377.6	1370.2	1362.8	1353.9
22.5°	1798.7	1705.3	1588.2	1472.5	1367.2	1270.8	1201.1	1146.3	1125.5	1132.9	1128.5
25°	1782.4	1626.7	1484.4	1297.5	1164.1	1055.8	925.3	836.3	796.3	818.5	803.7
27.5°	1069.2	1073.6	993.5	880.8	784.4	720.7	662.8	615.4	588.7	588.7	591.7
30°	968.3	925.3	871.9	802.2	717.7	653.9	590.2	538.3	510.1	502.7	505.7
32.5°	885.3	855.6	805.2	738.5	661.4	596.1	529.4	481.9	455.2	453.8	452.3
35°	796.3	765.2	723.6	665.8	599.1	538.3	480.5	438.9	415.2	416.7	416.7
37.5°	735.5	707.3	670.3	615.4	554.6	493.8	441.9	403.3	384.1	384.1	382.6
40°	704.4	671.7	631.7	581.3	524.9	461.2	412.2	375.2	358.9	358.9	357.4
42.5°	636.2	608.0	581.3	529.4	473.0	421.1	375.2	342.5	326.2	326.2	326.2
45°	539.8	523.5	502.7	467.1	421.1	378.1	339.6	308.4	295.1	293.6	293.6
47.5°	498.2	480.5	455.2	422.6	385.5	345.5	308.4	286.2	272.8	272.8	272.8
50°	486.4	465.6	431.5	393.0	354.4	318.8	286.2	265.4	253.6	253.6	255.1
52.5°	502.7	468.6	422.6	375.2	335.1	295.1	266.9	246.2	237.3	237.3	235.8
55°	559.0	495.3	428.6	370.7	320.3	277.3	247.6	225.4	215.0	215.0	215.0
57.5°	590.2	514.6	433.0	364.8	307.0	264.0	232.8	209.1	198.7	198.7	198.7
60°	554.6	492.3	415.2	352.9	296.6	252.1	219.5	197.2	186.8	185.4	183.9
62.5°	464.1	425.6	370.7	318.8	274.3	235.8	209.1	186.8	176.5	176.5	175.0
65°	413.7	381.1	333.6	289.2	252.1	219.5	194.3	176.5	166.1	164.6	164.6
67.5°	385.5	355.9	308.4	266.9	232.8	203.2	179.4	163.1	155.7	152.7	152.7
70°	354.4	321.8	280.3	243.2	212.1	185.4	166.1	149.8	142.4	140.9	139.4
72.5°	323.3	293.6	255.1	219.5	191.3	169.0	151.3	136.4	129.0	127.5	127.5
75°	290.6	262.5	225.4	195.7	172.0	151.3	134.9	123.1	117.1	115.7	114.2
77.5°	264.0	238.7	203.2	175.0	152.7	136.4	121.6	111.2	105.3	105.3	103.8
80°	238.7	215.0	180.9	155.7	136.4	120.1	108.3	99.4	94.9	93.4	93.4
82.5°	215.0	191.3	160.2	137.9	120.1	106.8	94.9	87.5	83.0	83.0	83.0
85°	192.8	170.5	142.4	121.6	105.3	93.4	83.0	75.6	72.7	71.2	72.7
87.5°	170.5	149.8	126.0	106.8	91.9	80.1	71.2	65.2	62.3	62.3	62.3
90°	149.8	130.5	108.3	90.5	78.6	68.2	60.8	54.9	53.4	51.9	51.9
92.5°	132.0	115.7	96.4	81.6	69.7	62.3	54.9	50.4	47.5	47.5	47.5
95°	115.7	100.8	86.0	72.7	63.8	56.3	50.4	46.0	44.5	44.5	44.5
97.5°	99.4	87.5	75.6	65.2	57.8	51.9	46.0	43.0	41.5	40.0	41.5
100°	83.0	74.1	65.2	57.8	51.9	46.0	41.5	38.6	37.1	37.1	37.1
102.5°	66.7	62.3	54.9	48.9	44.5	41.5	37.1	34.1	32.6	32.6	32.6
105°	57.8	53.4	48.9	44.5	41.5	37.1	34.1	31.1	29.7	29.7	29.7
107.5°	53.4	50.4	46.0	43.0	38.6	35.6	32.6	28.2	26.7	26.7	26.7
110°	51.9	48.9	46.0	41.5	38.6	35.6	32.6	26.7	25.2	25.2	25.2



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	51.9	48.9	46.0	43.0	40.0	35.6	32.6	26.7	23.7	23.7	23.7
115°	54.9	51.9	48.9	46.0	41.5	37.1	34.1	26.7	23.7	23.7	23.7
117.5°	59.3	56.3	53.4	48.9	44.5	40.0	34.1	26.7	25.2	25.2	25.2
120°	66.7	63.8	59.3	54.9	48.9	43.0	37.1	28.2	23.7	25.2	25.2
122.5°	77.1	74.1	68.2	60.8	54.9	47.5	38.6	29.7	22.2	25.2	25.2
125°	91.9	87.5	78.6	69.7	60.8	51.9	41.5	31.1	23.7	26.7	26.7
127.5°	108.3	102.3	90.5	78.6	68.2	56.3	44.5	32.6	25.2	26.7	26.7
130°	127.5	117.1	102.3	87.5	74.1	60.8	47.5	34.1	26.7	26.7	26.7
132.5°	146.8	132.0	112.7	96.4	80.1	63.8	48.9	34.1	26.7	26.7	26.7
135°	163.1	145.3	123.1	102.3	83.0	65.2	50.4	34.1	26.7	26.7	26.7
137.5°	177.9	154.2	129.0	105.3	84.5	65.2	48.9	34.1	25.2	25.2	25.2
140°	185.4	158.7	132.0	105.3	83.0	63.8	46.0	31.1	23.7	23.7	23.7
142.5°	185.4	157.2	129.0	102.3	80.1	60.8	43.0	29.7	20.8	22.2	22.2
145°	179.4	151.3	123.1	96.4	74.1	54.9	38.6	25.2	19.3	19.3	19.3
147.5°	166.1	139.4	112.7	87.5	66.7	47.5	34.1	22.2	16.3	14.8	16.3
150°	148.3	123.1	97.9	75.6	56.3	40.0	28.2	17.8	13.3	13.3	13.3
152.5°	124.6	102.3	81.6	62.3	44.5	31.1	20.8	13.3	10.4	10.4	10.4
155°	97.9	80.1	63.8	47.5	34.1	23.7	16.3	10.4	7.4	7.4	7.4
157.5°	74.1	60.8	47.5	34.1	25.2	17.8	11.9	7.4	5.9	5.9	5.9
160°	51.9	41.5	32.6	23.7	16.3	11.9	7.4	4.4	3.0	3.0	3.0
162.5°	32.6	26.7	20.8	13.3	10.4	7.4	4.4	3.0	1.5	1.5	1.5
165°	14.8	13.3	8.9	5.9	4.4	3.0	1.5	1.5	0.0	0.0	0.0
167.5°	4.4	3.0	3.0	1.5	1.5	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)