

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: P691735

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691735  
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-C018-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: 6141 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type V - Short  
BUG Rating: B3 - U4 - G2

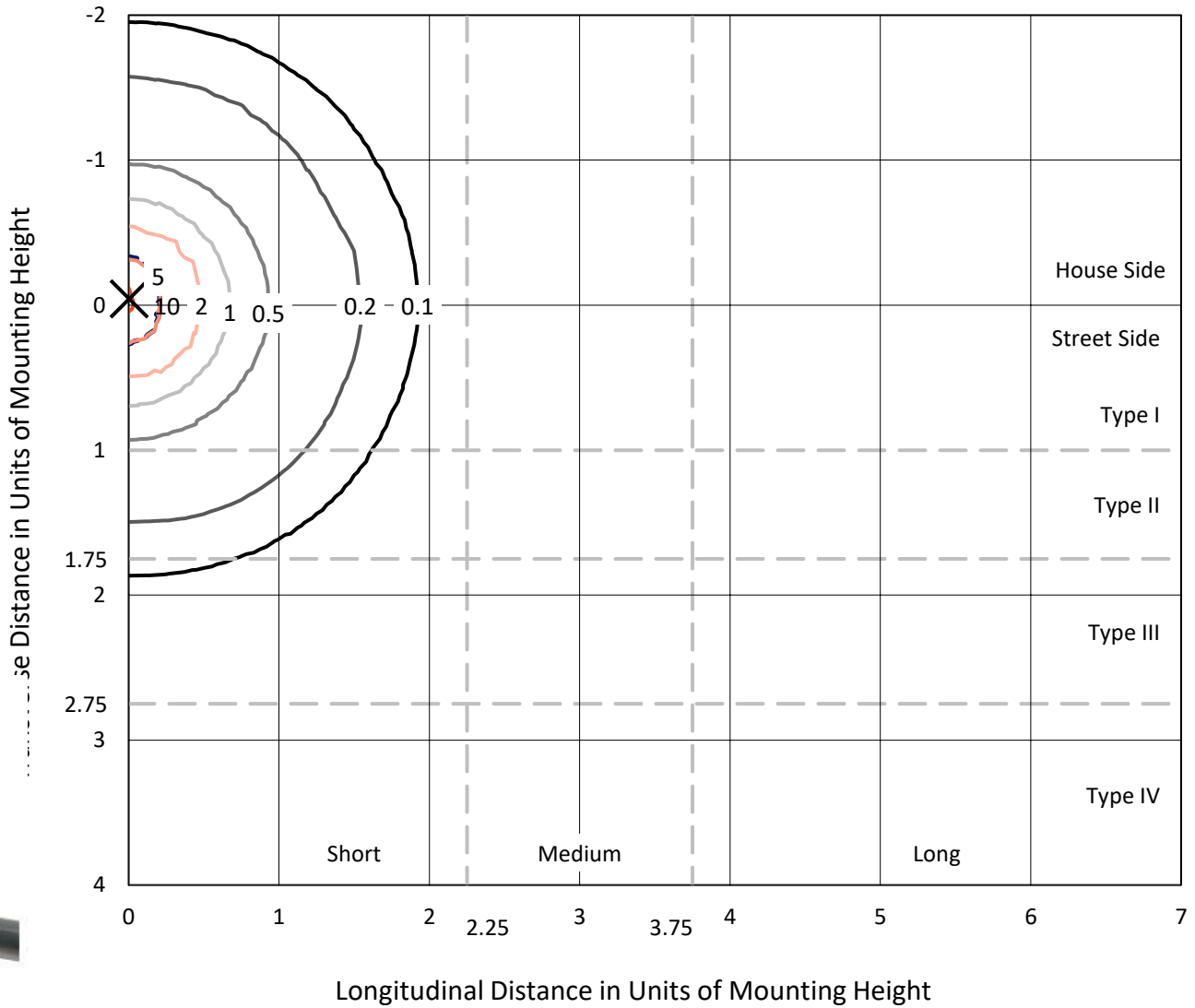
Input Watts (W): 50.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

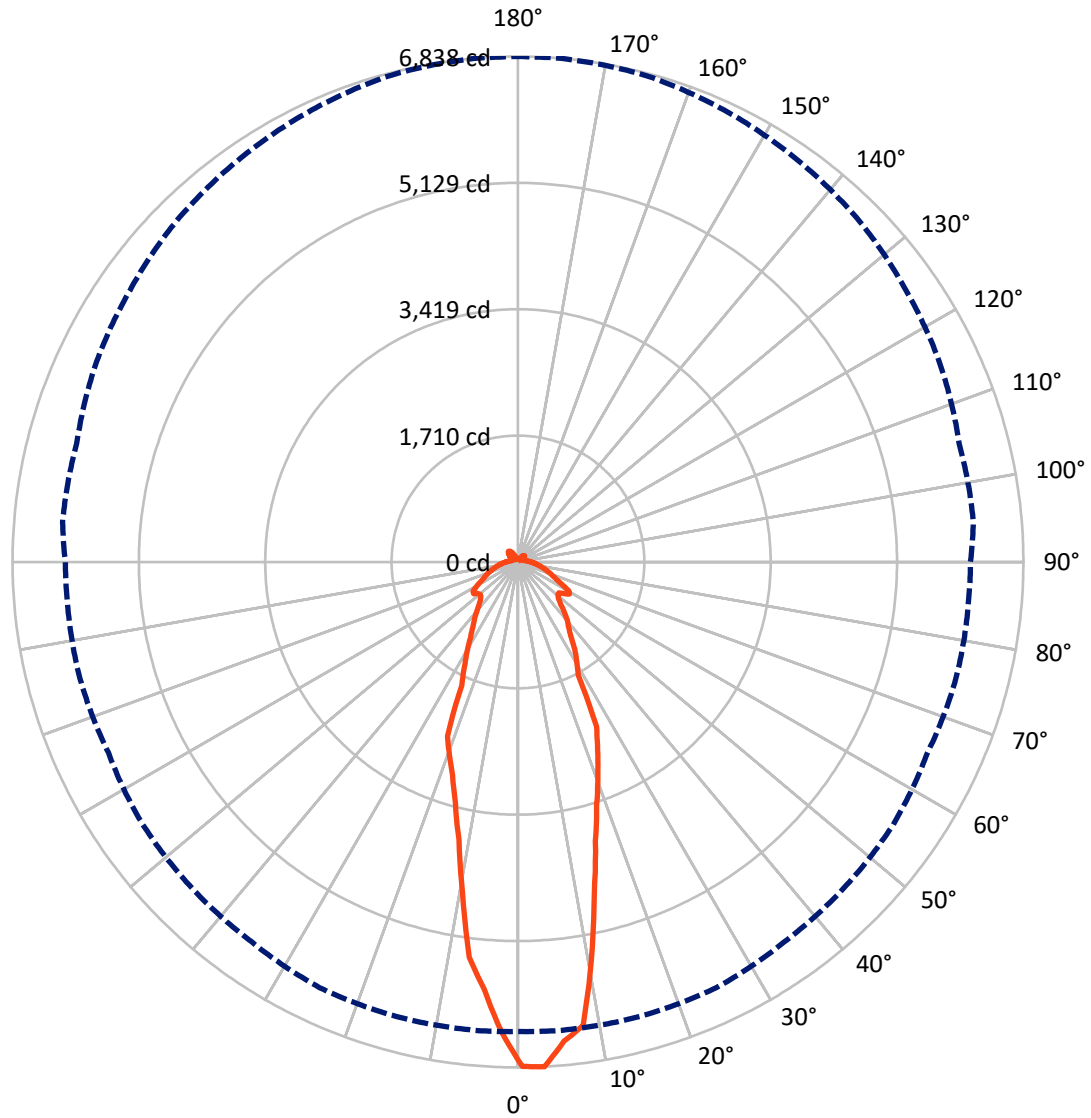
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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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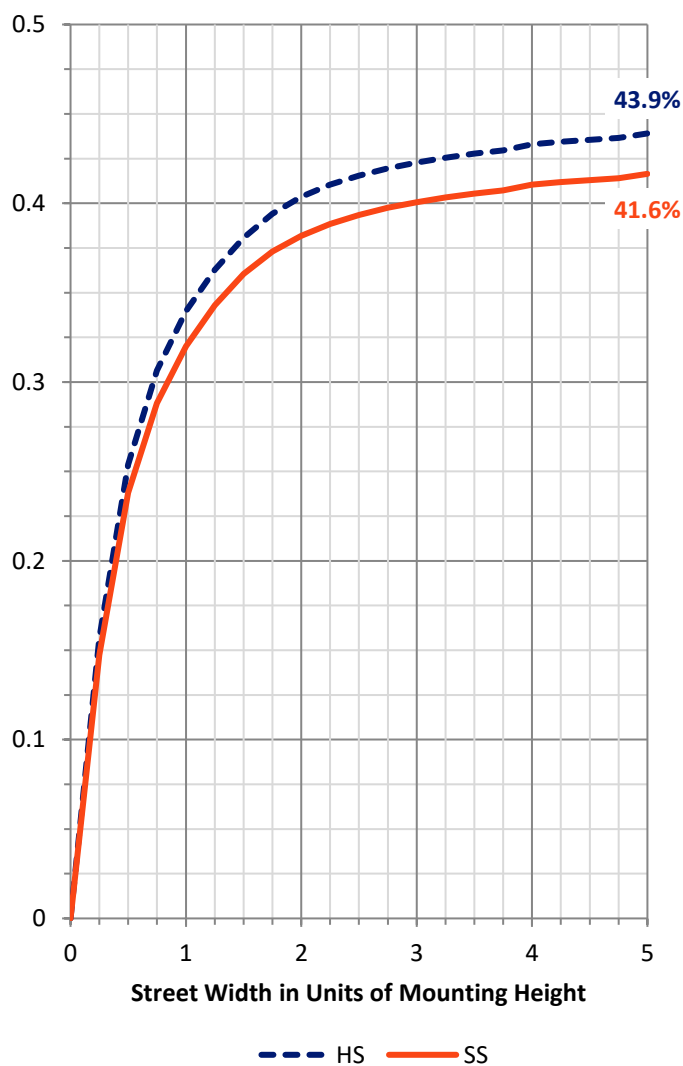
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2779.3	367.2	3146.5
	% Fixture	45.3	6.0	51.2
<b>Street Side</b>	Lumens	2617.7	376.8	2994.5
	% Fixture	42.6	6.1	48.8
<b>Total</b>	Lumens	5397.0	744.0	6141.0
	% Fixture	87.9	12.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.1	8.3
10°-20°	891.7	14.5
20°-30°	884.3	14.4
30°-40°	681.7	11.1
40°-50°	584.4	9.5
50°-60°	653.6	10.6
60°-70°	560.0	9.1
70°-80°	385.3	6.3
80°-90°	248.0	4.0
90°-100°	148.6	2.4
100°-110°	88.4	1.4
110°-120°	81.8	1.3
120°-130°	116.8	1.9
130°-140°	150.9	2.5
140°-150°	111.7	1.8
150°-160°	40.9	0.7
160°-170°	4.8	0.1
170°-180°	0.0	0.0
0°-90°	5397.0	87.9
0°-180°	6141.0	100.0

**Coefficient of Utilization**



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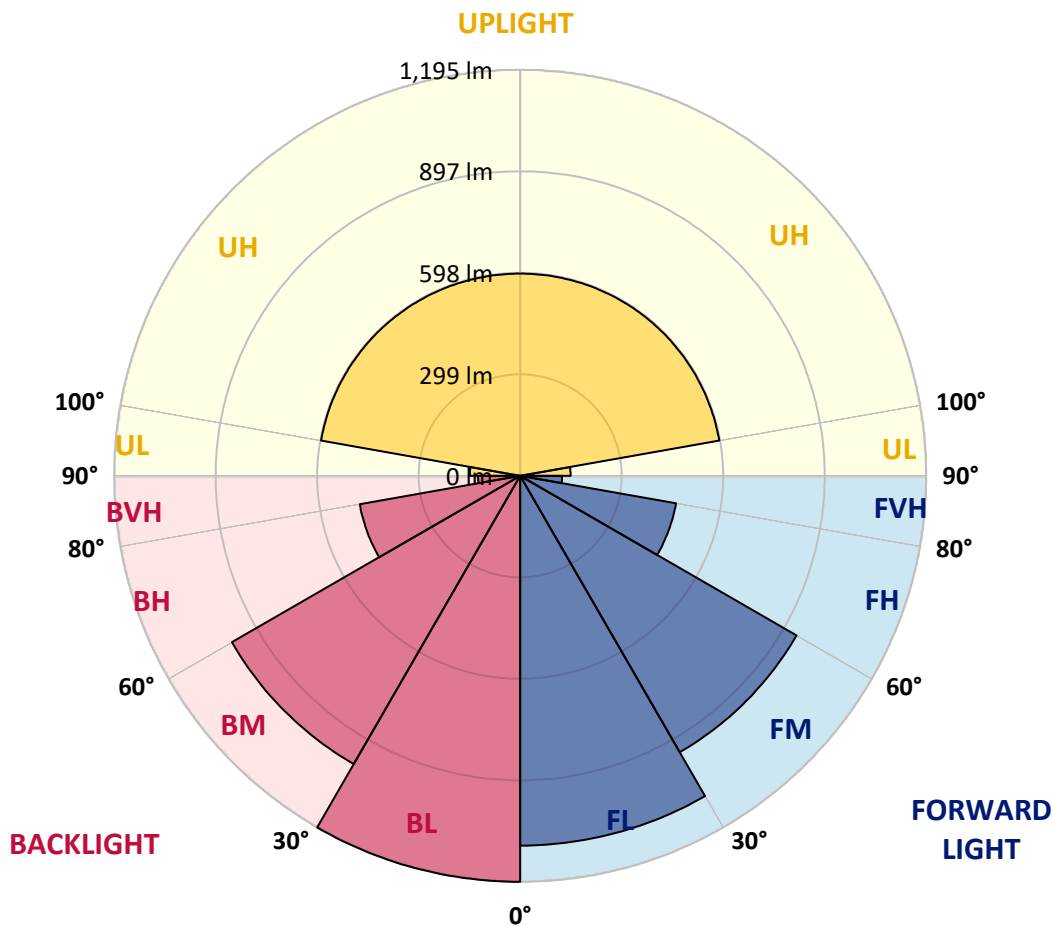
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-RMARROA5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1088.7	17.7			
FM (30°-60°)	939.6	15.3			
FH (60°-80°)	465.8	7.6			G0/660
FVH (80°-90°)	123.6	2.0			G2/225
BL (0°-30°)	1195.4	19.5	B3/2500		
BM (30°-60°)	980.1	16.0	B1/1000		
BH (60°-80°)	479.5	7.8	B1/500		G0/660
BVH (80°-90°)	124.4	2.0			G2/225
UL (90°-100°)	148.6	2.4		U3/500	
UH (100°-180°)	595.4	9.7		U4/1000	

**BUG Rating: B3-U4-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5
2.5°	6353.2	6362.4	6364.8	6353.2	6277.0	6237.7	6196.1	6112.9	6131.4	6119.9	6122.2
5°	5761.8	5798.7	5741.0	5724.8	5609.3	5523.8	5440.7	5350.6	5329.8	5292.8	5306.7
7.5°	5369.0	5389.8	5295.1	5198.1	5013.3	4881.6	4743.0	4604.3	4500.4	4461.1	4477.3
10°	4470.3	4539.7	4444.9	4345.6	4170.0	4012.9	3867.4	3731.1	3636.3	3606.3	3610.9
12.5°	3800.4	3839.6	3758.8	3691.8	3495.4	3345.2	3211.3	3084.2	3008.0	2975.6	2975.6
15°	3356.8	3373.0	3310.6	3181.2	3033.4	2897.1	2783.9	2691.4	2629.1	2617.5	2622.1
17.5°	3021.8	3021.8	2959.4	2857.8	2744.6	2624.4	2545.9	2476.6	2448.9	2458.1	2460.4
20°	2770.0	2772.3	2716.9	2617.5	2520.5	2411.9	2347.2	2298.7	2282.5	2298.7	2301.0
22.5°	2532.0	2543.6	2483.5	2409.6	2303.3	2217.8	2164.7	2111.6	2102.3	2109.3	2109.3
25°	1832.0	1832.0	1811.2	1753.5	1776.6	1785.8	1848.2	1982.2	1954.5	1979.9	1977.6
27.5°	1580.2	1589.5	1547.9	1497.0	1443.9	1381.5	1370.0	1358.4	1346.9	1400.0	1418.5
30°	1395.4	1400.0	1365.4	1330.7	1286.8	1252.2	1242.9	1242.9	1231.4	1273.0	1270.6
32.5°	1219.8	1212.9	1203.6	1171.3	1143.6	1113.5	1120.5	1115.9	1115.9	1152.8	1155.1
35°	1081.2	1078.9	1072.0	1048.9	1021.1	998.0	1005.0	1009.6	1007.3	1030.4	1030.4
37.5°	979.5	981.9	977.2	968.0	940.3	921.8	926.4	921.8	928.7	944.9	944.9
40°	880.2	880.2	882.5	880.2	861.7	854.8	868.7	861.7	877.9	889.4	884.8
42.5°	785.5	787.8	792.4	787.8	776.2	769.3	776.2	778.6	801.7	817.8	815.5
45°	725.4	725.4	727.7	725.4	716.2	709.2	709.2	702.3	718.5	727.7	725.4
47.5°	686.1	686.1	690.8	688.5	683.8	676.9	672.3	663.0	670.0	676.9	670.0
50°	672.3	672.3	681.5	681.5	679.2	672.3	665.4	653.8	656.1	660.7	651.5
52.5°	693.1	693.1	709.2	716.2	716.2	704.6	695.4	679.2	679.2	683.8	670.0
55°	737.0	737.0	762.4	776.2	778.6	778.6	767.0	750.8	753.1	762.4	748.5
57.5°	720.8	723.1	743.9	762.4	773.9	780.9	780.9	771.6	778.6	801.7	794.7
60°	644.6	649.2	663.0	679.2	700.0	706.9	706.9	704.6	716.2	743.9	743.9
62.5°	572.9	575.3	582.2	596.0	607.6	612.2	612.2	603.0	616.8	630.7	626.1
65°	517.5	515.2	529.0	540.6	547.5	554.5	547.5	538.3	545.2	554.5	552.2
67.5°	471.3	471.3	482.8	492.1	496.7	503.6	499.0	494.4	503.6	508.3	503.6
70°	427.4	429.7	438.9	445.9	450.5	457.4	450.5	448.2	457.4	462.1	459.7
72.5°	383.5	385.8	392.7	402.0	406.6	408.9	406.6	404.3	411.2	415.8	415.8
75°	344.2	346.5	351.2	360.4	360.4	365.0	362.7	360.4	367.3	372.0	372.0
77.5°	307.3	311.9	314.2	321.1	323.4	325.7	323.4	323.4	328.1	332.7	335.0
80°	274.9	277.2	279.5	286.5	286.5	288.8	286.5	286.5	291.1	298.0	298.0
82.5°	244.9	247.2	249.5	254.1	251.8	254.1	254.1	254.1	258.7	265.7	265.7
85°	214.9	219.5	219.5	224.1	224.1	224.1	224.1	226.4	228.7	235.6	235.6
87.5°	189.4	191.8	194.1	196.4	196.4	198.7	198.7	201.0	203.3	207.9	210.2
90°	164.0	166.3	168.6	168.6	168.6	171.0	171.0	173.3	175.6	180.2	182.5
92.5°	145.5	147.9	147.9	150.2	150.2	150.2	152.5	154.8	157.1	161.7	161.7
95°	129.4	131.7	131.7	131.7	131.7	134.0	134.0	136.3	138.6	143.2	143.2
97.5°	115.5	115.5	115.5	115.5	115.5	117.8	117.8	120.1	122.4	124.8	124.8
100°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	104.0	104.0	108.6	108.6
102.5°	90.1	90.1	87.8	87.8	87.8	85.5	85.5	87.8	87.8	90.1	90.1
105°	80.9	80.9	80.9	80.9	78.5	78.5	78.5	78.5	78.5	80.9	80.9
107.5°	78.5	78.5	76.2	76.2	76.2	73.9	73.9	73.9	73.9	76.2	76.2
110°	76.2	76.2	76.2	76.2	73.9	73.9	71.6	71.6	71.6	73.9	73.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	78.5	78.5	78.5	76.2	76.2	73.9	73.9	73.9	73.9	73.9	76.2
115°	83.2	80.9	80.9	80.9	80.9	78.5	76.2	76.2	78.5	78.5	78.5
117.5°	90.1	87.8	87.8	90.1	87.8	85.5	83.2	83.2	85.5	85.5	87.8
120°	99.3	97.0	99.3	99.3	99.3	97.0	94.7	92.4	94.7	97.0	97.0
122.5°	110.9	108.6	110.9	113.2	113.2	110.9	106.3	106.3	108.6	110.9	113.2
125°	124.8	124.8	127.1	129.4	131.7	127.1	124.8	122.4	127.1	129.4	129.4
127.5°	140.9	138.6	143.2	150.2	152.5	147.9	143.2	140.9	145.5	150.2	150.2
130°	157.1	154.8	161.7	168.6	173.3	168.6	164.0	161.7	166.3	171.0	171.0
132.5°	171.0	168.6	177.9	187.1	191.8	189.4	184.8	180.2	187.1	191.8	189.4
135°	182.5	182.5	194.1	203.3	207.9	205.6	201.0	196.4	205.6	210.2	205.6
137.5°	189.4	189.4	203.3	212.5	217.2	217.2	214.9	210.2	219.5	221.8	214.9
140°	189.4	191.8	203.3	212.5	214.9	217.2	217.2	214.9	224.1	224.1	217.2
142.5°	182.5	184.8	196.4	205.6	207.9	210.2	212.5	210.2	217.2	217.2	212.5
145°	171.0	173.3	184.8	194.1	194.1	196.4	201.0	198.7	203.3	205.6	201.0
147.5°	154.8	157.1	166.3	171.0	173.3	177.9	182.5	182.5	184.8	187.1	184.8
150°	134.0	134.0	140.9	145.5	147.9	152.5	157.1	159.4	159.4	161.7	159.4
152.5°	106.3	106.3	110.9	115.5	117.8	124.8	127.1	129.4	131.7	134.0	131.7
155°	80.9	80.9	83.2	85.5	87.8	94.7	97.0	99.3	101.7	104.0	101.7
157.5°	57.8	57.8	60.1	62.4	64.7	69.3	71.6	73.9	73.9	76.2	76.2
160°	37.0	39.3	39.3	41.6	41.6	46.2	48.5	48.5	50.8	53.1	53.1
162.5°	18.5	20.8	20.8	23.1	25.4	27.7	30.0	30.0	32.3	32.3	32.3
165°	4.6	6.9	6.9	9.2	9.2	11.6	13.9	13.9	16.2	16.2	16.2
167.5°	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	4.6	4.6
170°	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	2.3	2.3	2.3
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°	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5	6824.5
2.5°	6184.6	6179.9	6307.0	6408.6	6528.8	6623.5	6715.9	6803.7	6838.4	6836.0	6838.4
5°	5369.0	5449.9	5616.2	5780.3	5974.3	6156.8	6327.8	6441.0	6512.6	6512.6	6519.5
7.5°	4551.2	4680.6	4886.2	5147.2	5438.3	5676.3	5965.1	6168.4	6330.1	6325.5	6355.5
10°	3675.6	3777.3	3982.9	4262.4	4583.5	4858.5	5110.3	5299.7	5456.8	5447.6	5486.9
12.5°	3019.5	3091.1	3269.0	3523.1	3816.5	4082.2	4329.4	4477.3	4588.2	4585.9	4606.6
15°	2633.7	2707.6	2823.1	2998.7	3241.3	3476.9	3724.1	3858.1	3920.5	3913.6	3948.2
17.5°	2476.6	2506.6	2578.2	2696.1	2871.6	3063.4	3259.8	3375.3	3446.9	3437.7	3463.1
20°	2307.9	2335.7	2384.2	2472.0	2596.7	2742.3	2908.6	3035.7	3088.8	3086.5	3102.7
22.5°	2113.9	2127.7	2180.9	2250.2	2340.3	2458.1	2585.2	2700.7	2753.8	2751.5	2767.7
25°	1979.9	2003.0	2035.3	2076.9	2139.3	2231.7	2338.0	2418.8	2467.4	2462.7	2483.5
27.5°	1446.2	1469.3	1485.5	1510.9	1513.2	1589.5	1626.4	1693.4	1737.3	1735.0	1748.9
30°	1270.6	1275.3	1289.1	1323.8	1344.6	1404.6	1478.6	1529.4	1566.4	1580.2	1589.5
32.5°	1159.7	1173.6	1189.8	1206.0	1231.4	1268.3	1326.1	1372.3	1411.6	1418.5	1434.7
35°	1032.7	1041.9	1053.5	1069.6	1085.8	1115.9	1159.7	1196.7	1226.7	1238.3	1247.5
37.5°	942.6	944.9	956.4	974.9	988.8	1014.2	1053.5	1081.2	1111.2	1113.5	1122.8
40°	882.5	884.8	896.4	912.6	928.7	944.9	979.5	1005.0	1025.8	1028.1	1035.0
42.5°	813.2	820.1	824.8	831.7	843.2	857.1	887.1	901.0	914.9	917.2	926.4
45°	718.5	720.8	725.4	732.4	746.2	760.1	780.9	797.0	806.3	806.3	804.0
47.5°	665.4	667.7	667.7	676.9	688.5	702.3	720.8	734.7	739.3	739.3	739.3
50°	646.9	646.9	642.3	649.2	660.7	670.0	688.5	700.0	702.3	704.6	706.9
52.5°	660.7	656.1	642.3	649.2	660.7	670.0	688.5	693.1	693.1	697.7	700.0
55°	737.0	730.0	702.3	706.9	720.8	732.4	746.2	748.5	753.1	760.1	757.8
57.5°	785.5	790.1	757.8	764.7	790.1	799.3	815.5	813.2	822.5	831.7	834.0
60°	739.3	753.1	727.7	737.0	767.0	771.6	787.8	778.6	792.4	792.4	792.4
62.5°	628.4	633.0	619.1	633.0	660.7	660.7	672.3	665.4	670.0	665.4	667.7
65°	549.8	547.5	531.4	549.8	559.1	563.7	572.9	575.3	575.3	570.6	570.6
67.5°	501.3	496.7	482.8	487.5	496.7	499.0	512.9	515.2	512.9	512.9	515.2
70°	457.4	450.5	436.6	438.9	445.9	448.2	459.7	464.4	462.1	459.7	462.1
72.5°	413.5	406.6	392.7	392.7	399.7	404.3	413.5	418.2	413.5	413.5	415.8
75°	372.0	365.0	351.2	351.2	355.8	358.1	369.6	372.0	369.6	367.3	369.6
77.5°	335.0	330.4	316.5	316.5	318.8	321.1	328.1	330.4	328.1	325.7	328.1
80°	300.3	293.4	284.2	281.9	284.2	284.2	291.1	293.4	288.8	288.8	291.1
82.5°	268.0	261.1	251.8	251.8	249.5	251.8	256.4	258.7	256.4	254.1	256.4
85°	238.0	233.3	224.1	221.8	221.8	221.8	226.4	226.4	224.1	224.1	224.1
87.5°	210.2	205.6	196.4	196.4	194.1	196.4	198.7	198.7	196.4	196.4	196.4
90°	182.5	177.9	171.0	171.0	168.6	171.0	173.3	173.3	171.0	171.0	171.0
92.5°	161.7	159.4	152.5	152.5	150.2	152.5	152.5	152.5	150.2	150.2	150.2
95°	143.2	140.9	136.3	134.0	134.0	134.0	134.0	134.0	131.7	131.7	131.7
97.5°	124.8	122.4	117.8	117.8	115.5	117.8	117.8	117.8	115.5	115.5	115.5
100°	108.6	106.3	104.0	104.0	101.7	101.7	101.7	101.7	101.7	101.7	101.7
102.5°	90.1	90.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
105°	80.9	80.9	80.9	80.9	83.2	83.2	83.2	80.9	80.9	80.9	80.9
107.5°	76.2	76.2	76.2	78.5	78.5	78.5	80.9	76.2	73.9	73.9	73.9
110°	73.9	73.9	76.2	76.2	78.5	78.5	80.9	71.6	69.3	69.3	69.3



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	76.2	76.2	76.2	78.5	80.9	80.9	83.2	71.6	69.3	69.3	69.3
115°	80.9	80.9	80.9	83.2	85.5	87.8	87.8	76.2	71.6	71.6	73.9
117.5°	87.8	87.8	87.8	90.1	94.7	94.7	94.7	80.9	78.5	78.5	78.5
120°	97.0	99.3	99.3	101.7	106.3	108.6	104.0	92.4	78.5	85.5	85.5
122.5°	110.9	113.2	115.5	117.8	124.8	124.8	117.8	106.3	85.5	94.7	97.0
125°	129.4	131.7	134.0	138.6	145.5	145.5	136.3	120.1	97.0	106.3	108.6
127.5°	147.9	152.5	154.8	161.7	171.0	171.0	159.4	138.6	108.6	115.5	117.8
130°	168.6	173.3	177.9	187.1	198.7	194.1	184.8	157.1	117.8	122.4	122.4
132.5°	187.1	194.1	196.4	210.2	221.8	217.2	205.6	168.6	122.4	122.4	120.1
135°	201.0	205.6	207.9	221.8	233.3	226.4	212.5	173.3	120.1	115.5	115.5
137.5°	210.2	214.9	217.2	226.4	235.6	224.1	205.6	164.0	115.5	113.2	110.9
140°	214.9	214.9	214.9	221.8	226.4	212.5	189.4	147.9	104.0	108.6	108.6
142.5°	210.2	207.9	205.6	210.2	212.5	196.4	175.6	131.7	94.7	99.3	99.3
145°	198.7	194.1	191.8	194.1	194.1	175.6	152.5	113.2	83.2	85.5	85.5
147.5°	182.5	175.6	171.0	171.0	168.6	150.2	129.4	94.7	71.6	69.3	69.3
150°	157.1	150.2	145.5	145.5	138.6	122.4	104.0	73.9	57.8	57.8	57.8
152.5°	129.4	122.4	117.8	117.8	110.9	94.7	78.5	55.4	43.9	43.9	43.9
155°	101.7	94.7	90.1	87.8	83.2	71.6	57.8	41.6	32.3	32.3	32.3
157.5°	76.2	71.6	67.0	64.7	60.1	53.1	41.6	30.0	20.8	23.1	23.1
160°	53.1	48.5	46.2	43.9	41.6	34.7	27.7	18.5	11.6	11.6	11.6
162.5°	32.3	30.0	30.0	27.7	25.4	23.1	16.2	9.2	4.6	4.6	4.6
165°	16.2	16.2	13.9	13.9	11.6	9.2	6.9	2.3	0.0	0.0	0.0
167.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
170°	2.3	2.3	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)