

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: P691170

Luminaire Tested: **CRTK2-C013-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691170
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-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 1877 lumens
Efficiency: N/A
Efficacy: 92.0 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): 20.4
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

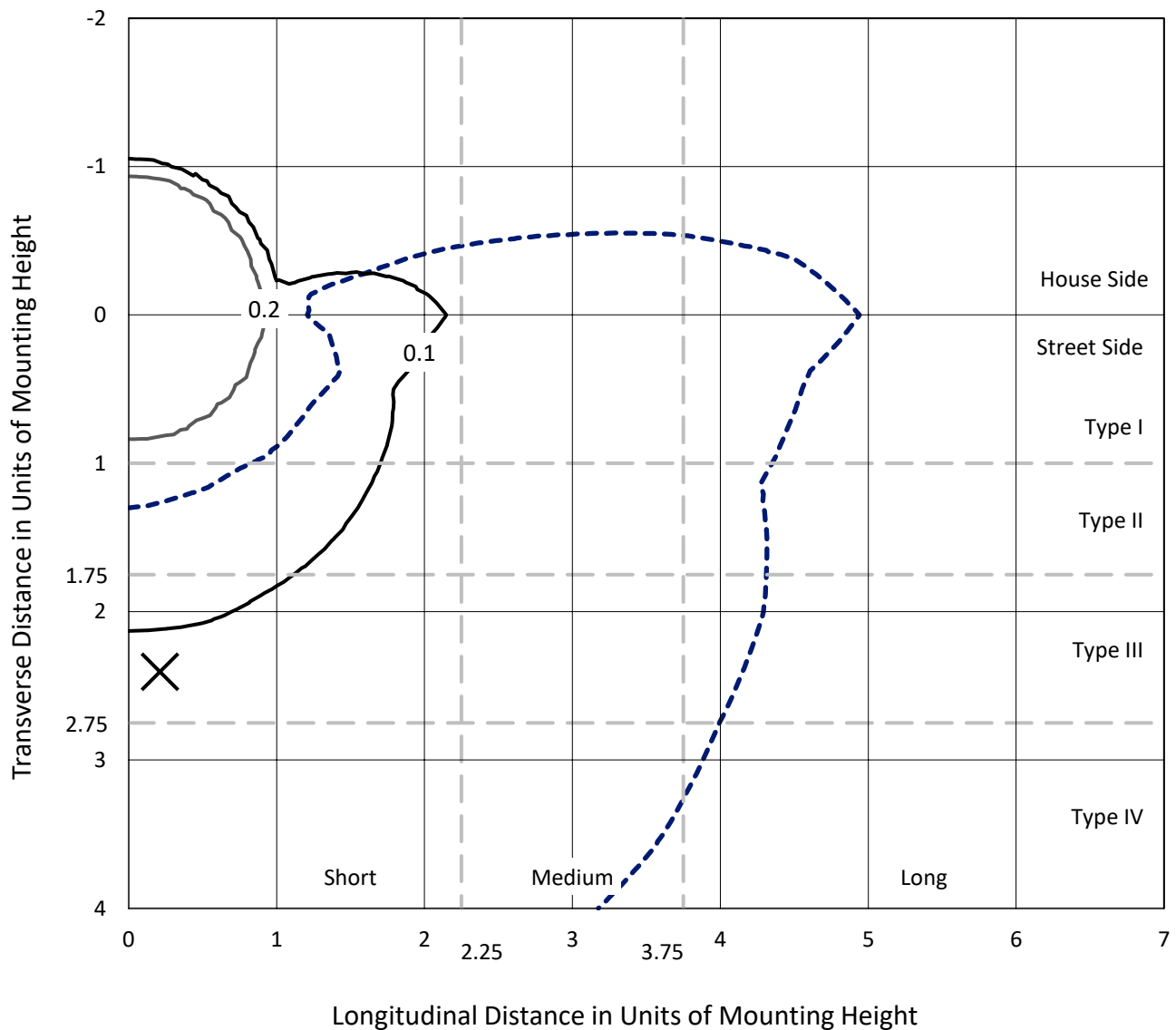


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

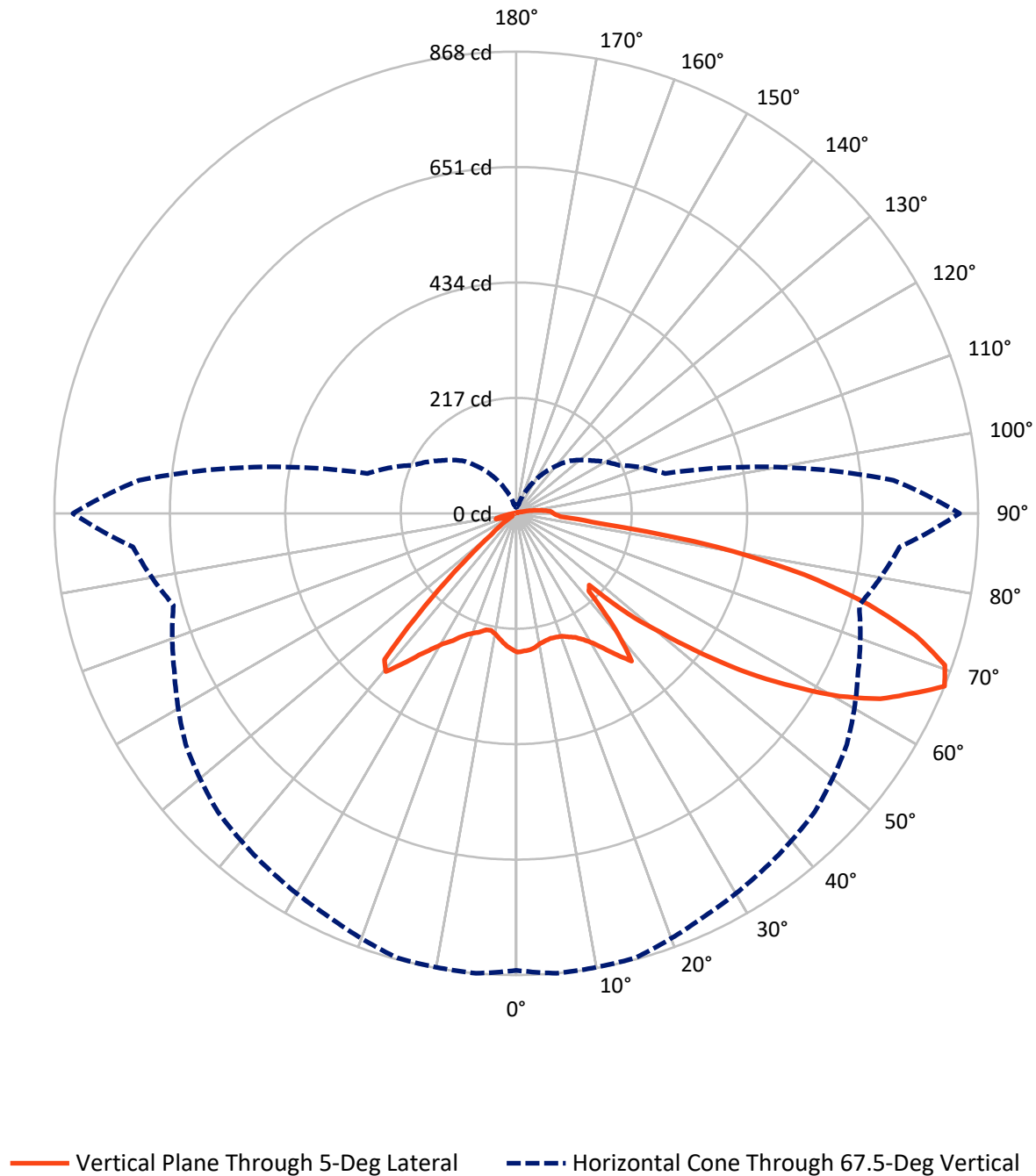


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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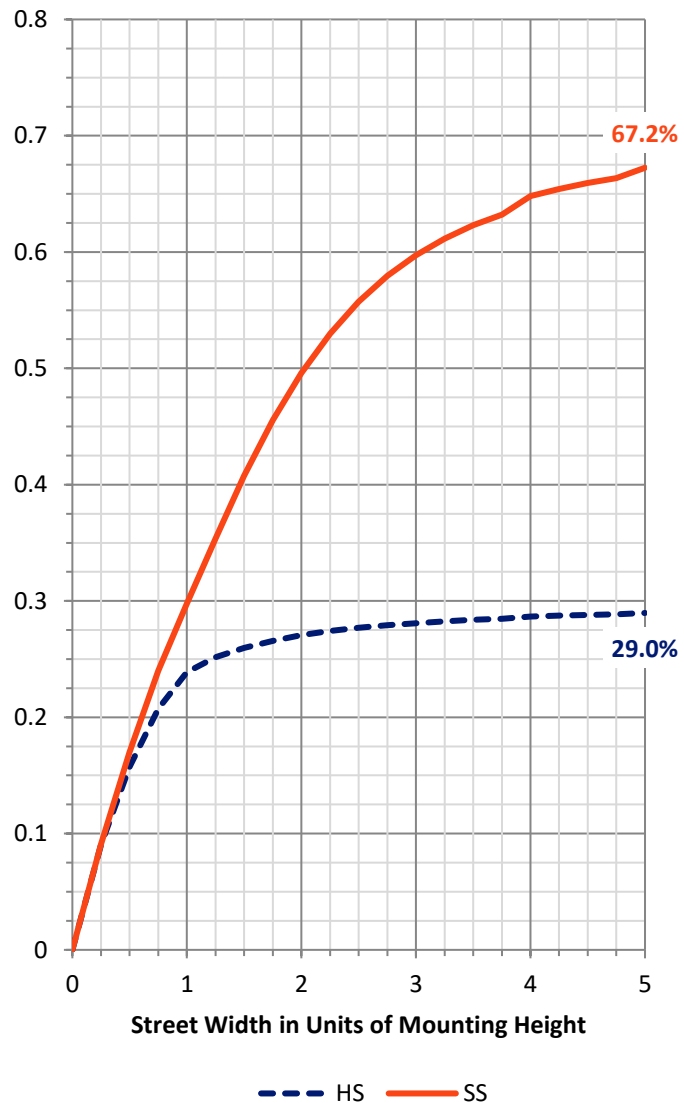
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	550.1	8.3	558.4
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1286.3	32.3	1318.6
	% Fixture	68.5	1.7	70.3
Total	Lumens	1836.4	40.6	1877.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.3
10°-20°	69.6	3.7
20°-30°	123.7	6.6
30°-40°	206.9	11.0
40°-50°	189.0	10.1
50°-60°	280.5	14.9
60°-70°	460.1	24.5
70°-80°	394.9	21.0
80°-90°	87.6	4.7
90°-100°	29.6	1.6
100°-110°	7.3	0.4
110°-120°	2.3	0.1
120°-130°	1.3	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°	1836.4	97.8
0°-180°	1877.0	100.0

Coefficient of Utilization



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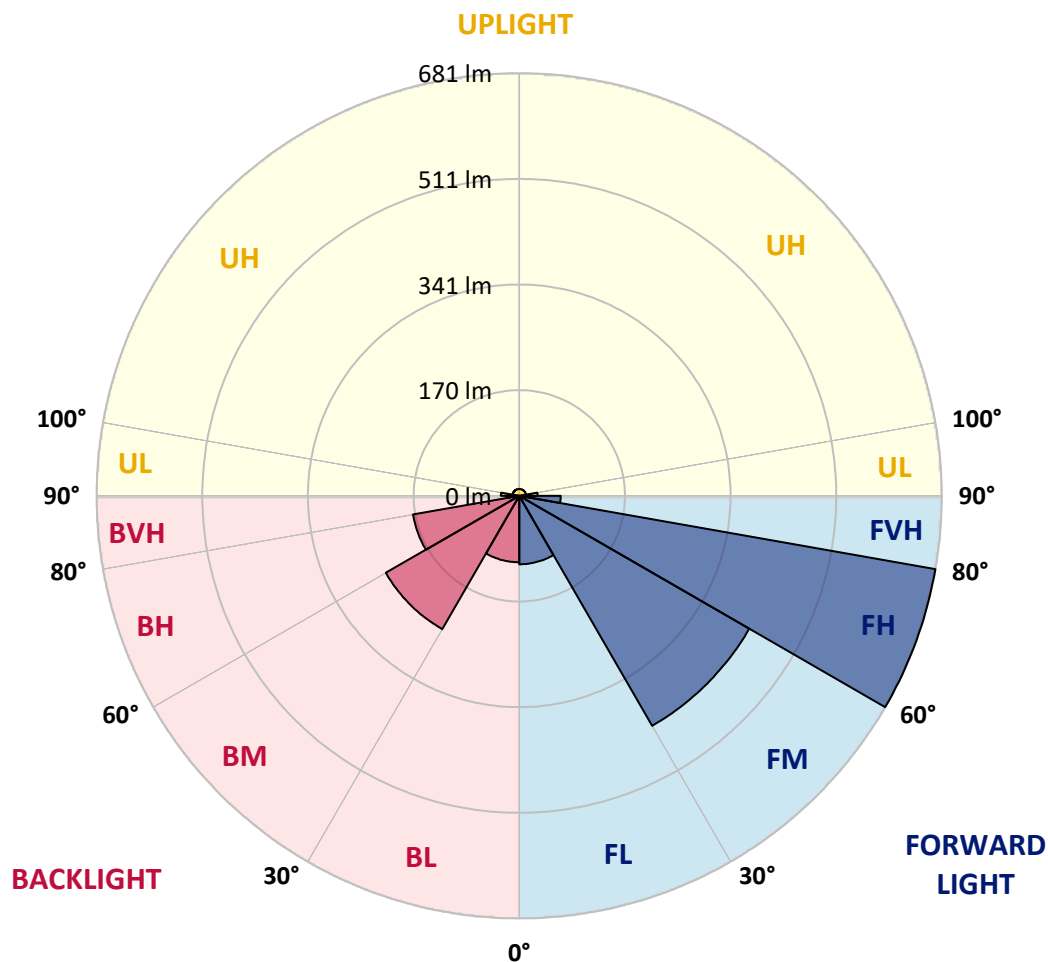
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.3	5.9			
FM	(30°-60°)	428.1	22.8			
FH	(60°-80°)	681.1	36.3			G1/1800
FVH	(80°-90°)	66.8	3.6			G1/100
BL	(0°-30°)	107.2	5.7	B0/110		
BM	(30°-60°)	248.3	13.2	B1/1000		
BH	(60°-80°)	173.9	9.3	B1/500		G1/500
BVH	(80°-90°)	20.8	1.1			G1/100
UL	(90°-100°)	29.6	1.6		U2/50	
UH	(100°-180°)	11.0	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°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	259.2	259.2	259.2	260.2	261.1	260.2	259.2	258.2	257.3	258.2	258.2
5°	258.2	258.2	259.2	259.2	260.2	261.1	260.2	259.2	258.2	258.2	258.2
7.5°	253.4	254.4	254.4	255.3	256.3	258.2	258.2	256.3	256.3	256.3	256.3
10°	248.5	248.5	249.5	250.5	251.4	253.4	253.4	251.4	252.4	253.4	253.4
12.5°	245.6	245.6	246.6	248.5	249.5	250.5	251.4	251.4	252.4	251.4	252.4
15°	243.7	243.7	243.7	246.6	249.5	250.5	252.4	253.4	254.4	254.4	254.4
17.5°	244.6	244.6	244.6	248.5	250.5	253.4	255.3	256.3	256.3	257.3	257.3
20°	246.6	246.6	247.6	250.5	254.4	257.3	259.2	260.2	260.2	262.1	262.1
22.5°	250.5	252.4	251.4	254.4	257.3	261.1	264.1	266.0	266.0	267.9	267.9
25°	259.2	258.2	259.2	262.1	265.0	267.9	269.9	272.8	273.8	275.7	275.7
27.5°	268.9	268.9	268.9	271.8	273.8	276.7	278.6	280.6	282.5	285.4	286.4
30°	283.5	282.5	281.5	284.4	286.4	289.3	291.2	292.2	292.2	294.2	296.1
32.5°	302.9	302.9	302.9	304.8	305.8	308.7	309.7	310.7	309.7	312.6	313.6
35°	327.2	327.2	328.1	330.1	333.0	334.9	335.9	334.9	335.9	337.8	339.8
37.5°	351.4	352.4	355.3	358.2	360.2	364.1	367.0	367.0	367.9	373.8	373.8
40°	284.4	287.4	290.3	297.1	305.8	317.5	336.9	344.6	367.0	378.6	381.5
42.5°	193.2	200.0	207.8	216.5	223.3	224.3	242.7	253.4	275.7	297.1	302.9
45°	184.5	192.2	200.0	194.2	199.0	183.5	201.9	203.9	214.5	231.1	274.7
47.5°	270.9	281.5	292.2	277.7	280.6	246.6	253.4	245.6	221.3	248.5	321.3
50°	353.4	352.4	367.9	361.1	368.9	332.0	334.9	319.4	281.5	319.4	423.3
52.5°	433.0	440.7	457.3	455.3	461.1	413.6	404.8	391.2	332.0	390.3	512.6
55°	525.2	531.0	546.6	541.7	538.8	491.2	475.7	462.1	404.8	480.6	607.7
57.5°	611.6	614.5	633.0	616.5	606.8	570.8	549.5	527.2	470.8	563.1	673.7
60°	694.1	698.0	708.7	686.4	670.8	642.7	616.5	592.2	539.8	636.9	734.9
62.5°	771.8	767.9	772.8	744.6	733.9	708.7	680.5	650.4	604.8	695.1	794.1
65°	816.5	816.5	822.3	786.4	769.9	754.3	723.3	688.3	646.6	723.3	831.0
67.5°	859.2	867.9	865.0	835.9	814.5	793.2	758.2	708.7	666.9	723.3	833.0
70°	843.6	854.3	842.7	819.4	798.0	772.8	740.7	692.2	645.6	688.3	788.3
72.5°	776.6	784.4	779.6	759.2	733.0	716.5	682.5	645.6	591.2	628.1	715.5
75°	685.4	683.5	692.2	668.9	646.6	631.0	598.0	574.7	524.2	551.4	634.9
77.5°	552.4	553.4	571.8	545.6	528.1	517.4	487.3	467.9	422.3	446.6	510.6
80°	370.9	381.5	399.0	370.9	367.9	353.4	328.1	315.5	280.6	292.2	326.2
82.5°	154.4	159.2	165.0	156.3	153.4	148.5	137.9	134.0	120.4	126.2	126.2
85°	86.4	85.4	88.3	88.3	86.4	82.5	78.6	71.8	66.0	65.0	60.2
87.5°	72.8	73.8	75.7	75.7	71.8	68.9	64.1	59.2	54.4	51.5	46.6
90°	68.0	68.9	69.9	67.0	63.1	60.2	56.3	52.4	48.5	46.6	41.7
92.5°	65.0	65.0	65.0	61.2	57.3	54.4	51.5	47.6	44.7	42.7	38.8
95°	54.4	53.4	52.4	50.5	46.6	43.7	41.7	37.9	35.9	34.0	32.0
97.5°	40.8	39.8	38.8	37.9	34.0	32.0	31.1	29.1	27.2	24.3	23.3
100°	29.1	28.2	28.2	27.2	25.2	23.3	22.3	20.4	18.4	16.5	15.5
102.5°	19.4	18.4	18.4	17.5	16.5	15.5	13.6	12.6	10.7	9.7	8.7
105°	10.7	10.7	10.7	9.7	9.7	8.7	7.8	6.8	5.8	5.8	4.9
107.5°	7.8	7.8	7.8	7.8	6.8	6.8	5.8	4.9	4.9	3.9	3.9
110°	5.8	5.8	5.8	5.8	5.8	4.9	4.9	3.9	3.9	2.9	2.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9
115°	4.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9	1.9
117.5°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	1.9	2.9
120°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9
125°	2.9	2.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9
127.5°	2.9	2.9	1.9	2.9	1.9	1.9	1.9	1.9	1.9	1.0	1.9
130°	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0
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°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	259.2	259.2	260.2	259.2	259.2	257.3	256.3	255.3	255.3	255.3
5°	258.2	258.2	257.3	255.3	254.4	252.4	250.5	249.5	248.5	249.5
7.5°	256.3	254.4	252.4	248.5	245.6	244.6	240.8	239.8	239.8	239.8
10°	252.4	250.5	245.6	240.8	238.8	235.9	233.0	230.1	231.1	232.0
12.5°	251.4	246.6	242.7	237.8	234.9	230.1	229.1	226.2	225.2	225.2
15°	252.4	248.5	243.7	239.8	235.9	234.0	230.1	229.1	226.2	228.1
17.5°	256.3	250.5	246.6	242.7	238.8	236.9	234.0	232.0	233.0	233.0
20°	260.2	254.4	250.5	247.6	243.7	240.8	239.8	237.8	238.8	236.9
22.5°	266.0	260.2	257.3	253.4	250.5	248.5	246.6	247.6	245.6	246.6
25°	273.8	268.9	265.0	262.1	259.2	257.3	257.3	257.3	256.3	257.3
27.5°	284.4	279.6	276.7	274.7	271.8	269.9	267.9	268.9	269.9	268.9
30°	294.2	288.3	287.4	285.4	283.5	282.5	282.5	282.5	282.5	284.4
32.5°	309.7	303.9	301.9	301.9	300.0	299.0	298.0	300.0	301.0	300.0
35°	334.0	326.2	324.3	323.3	322.3	322.3	323.3	323.3	323.3	323.3
37.5°	364.1	353.4	351.4	350.5	350.5	350.5	349.5	350.5	353.4	354.3
40°	377.6	370.9	373.8	378.6	381.5	381.5	380.6	382.5	385.4	385.4
42.5°	305.8	291.2	301.9	321.3	334.0	349.5	352.4	362.1	369.9	369.9
45°	248.5	188.3	192.2	204.8	210.7	224.3	232.0	240.8	245.6	238.8
47.5°	279.6	121.4	100.0	103.9	89.3	107.8	120.4	134.0	136.9	139.8
50°	438.8	125.2	84.5	61.2	40.8	54.4	57.3	65.0	63.1	64.1
52.5°	533.0	143.7	84.5	54.4	34.0	35.9	33.0	36.9	38.8	42.7
55°	598.0	172.8	109.7	68.9	39.8	24.3	16.5	12.6	11.6	11.6
57.5°	629.1	211.6	142.7	98.1	62.1	34.0	14.6	10.7	9.7	8.7
60°	658.2	253.4	180.6	134.0	98.1	60.2	27.2	10.7	8.7	8.7
62.5°	684.4	295.1	218.4	173.8	137.9	94.2	50.5	18.4	9.7	9.7
65°	705.8	303.9	221.3	188.3	148.5	110.7	66.0	22.3	10.7	10.7
67.5°	711.6	289.3	213.6	172.8	138.8	94.2	51.5	18.4	12.6	11.6
70°	672.8	274.7	214.5	164.1	125.2	83.5	34.0	21.4	16.5	15.5
72.5°	608.7	254.4	203.9	159.2	120.4	84.5	39.8	34.9	31.1	29.1
75°	535.9	230.1	188.3	152.4	116.5	81.5	46.6	43.7	39.8	38.8
77.5°	430.1	191.2	158.2	129.1	98.1	65.0	38.8	36.9	32.0	32.0
80°	282.5	142.7	119.4	99.0	74.8	45.6	29.1	26.2	23.3	22.3
82.5°	115.5	83.5	71.8	62.1	48.5	29.1	19.4	16.5	13.6	12.6
85°	56.3	41.7	35.9	29.1	24.3	16.5	12.6	10.7	7.8	7.8
87.5°	45.6	33.0	27.2	22.3	16.5	11.6	8.7	6.8	4.9	3.9
90°	41.7	29.1	23.3	18.4	13.6	9.7	5.8	4.9	2.9	1.9
92.5°	37.9	25.2	20.4	14.6	10.7	7.8	3.9	2.9	1.9	1.9
95°	31.1	19.4	15.5	11.6	8.7	5.8	3.9	1.9	1.0	1.0
97.5°	22.3	14.6	11.6	8.7	6.8	3.9	2.9	1.9	1.0	1.0
100°	15.5	9.7	8.7	6.8	4.9	2.9	1.9	1.0	1.0	1.0
102.5°	7.8	5.8	5.8	4.9	3.9	2.9	1.0	1.0	0.0	0.0
105°	4.9	3.9	3.9	2.9	1.9	1.9	1.0	1.0	0.0	0.0
107.5°	2.9	2.9	2.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0
110°	2.9	1.9	1.9	1.9	1.0	1.0	1.0	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°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0
115°	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	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)