

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: P691163

Luminaire Tested: **CRTK2-C013-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2292 lumens
Efficiency: N/A
Efficacy: 112.4 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



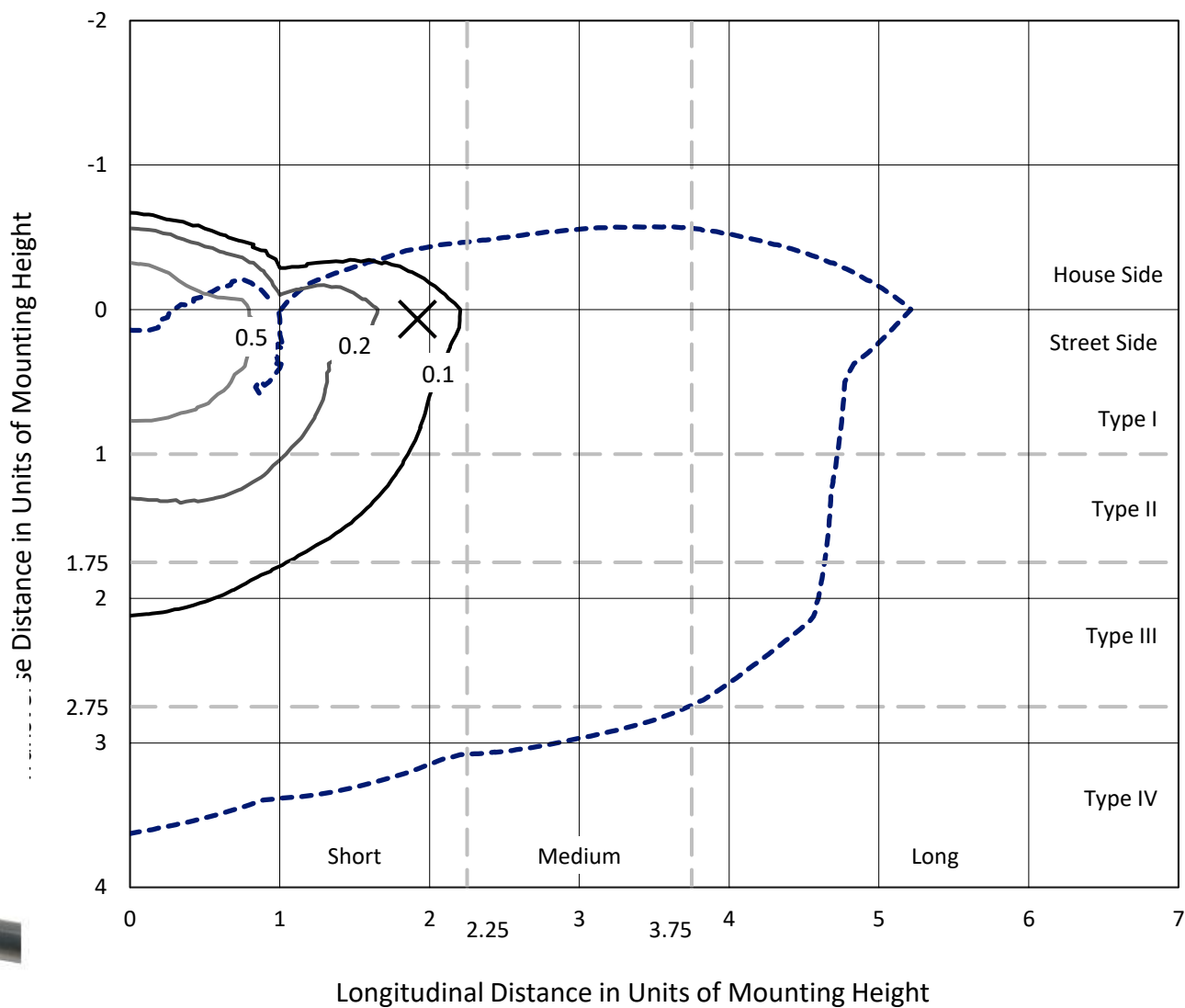
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

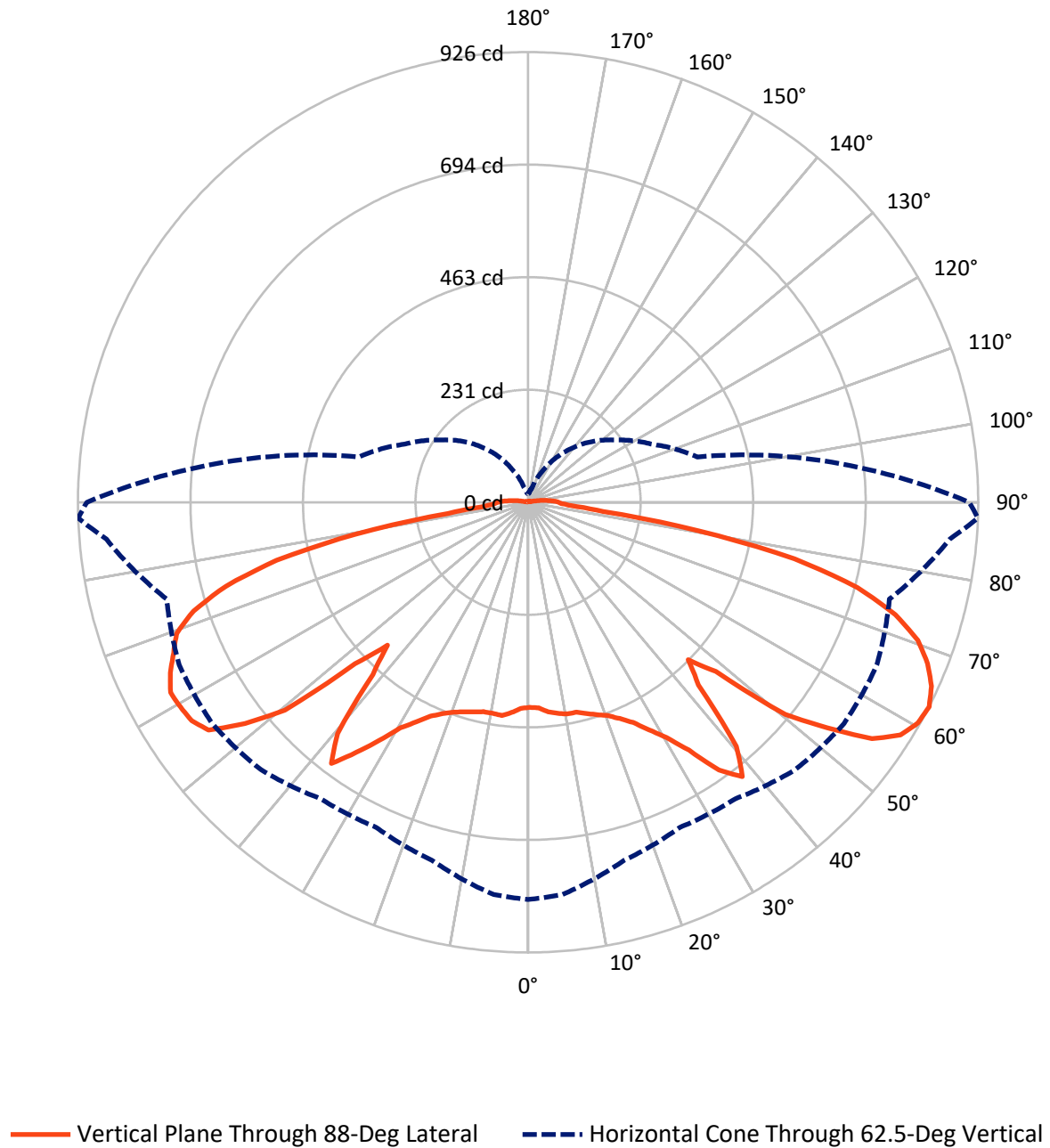


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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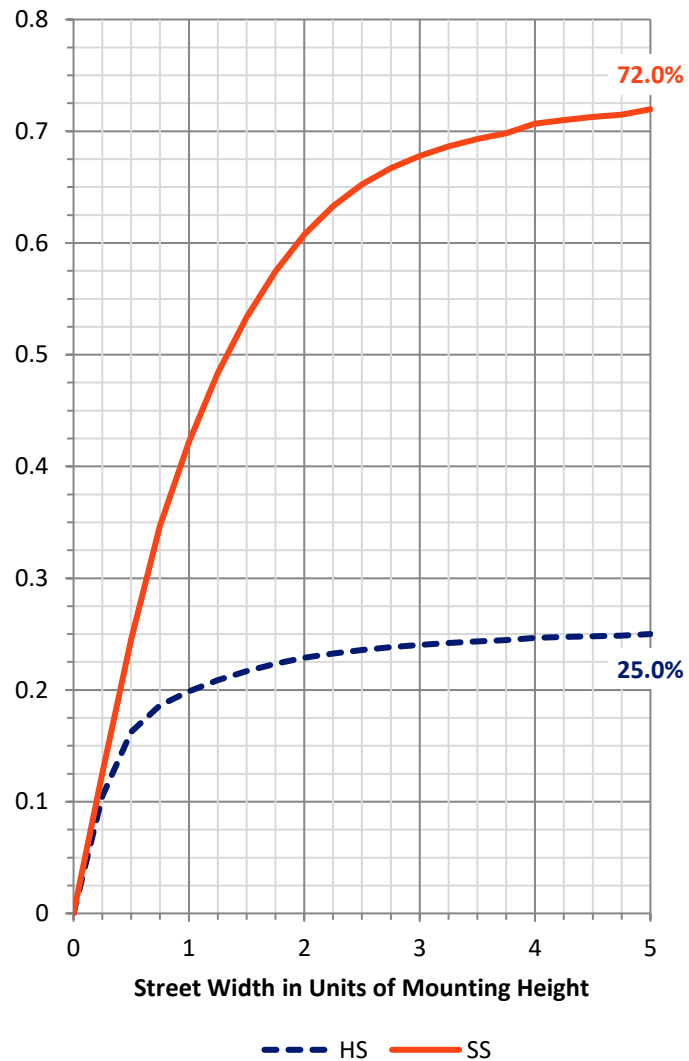
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.1	11.0	594.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	1670.8	27.1	1697.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	2253.9	38.1	2292.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.8
10°-20°	126.8	5.5
20°-30°	214.8	9.4
30°-40°	296.5	12.9
40°-50°	256.5	11.2
50°-60°	371.3	16.2
60°-70°	486.0	21.2
70°-80°	368.5	16.1
80°-90°	91.9	4.0
90°-100°	27.0	1.2
100°-110°	6.3	0.3
110°-120°	2.8	0.1
120°-130°	1.8	0.1
130°-140°	0.2	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°	2253.9	98.3
0°-180°	2292.0	100.0

Coefficient of Utilization



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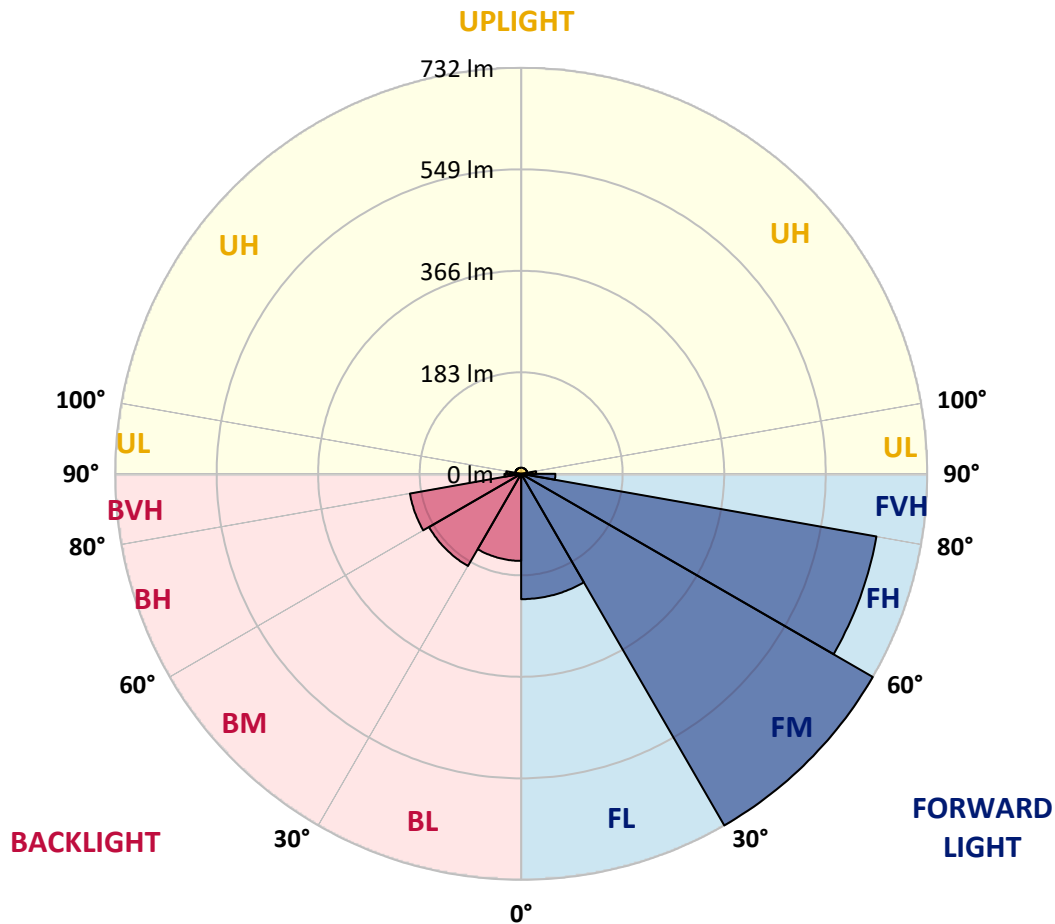
CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.1	9.9			
FM	(30°-60°)	732.3	31.9			
FH	(60°-80°)	650.6	28.4			G0/660
FVH	(80°-90°)	61.7	2.7			G1/100
BL	(0°-30°)	157.1	6.9	B1/500		
BM	(30°-60°)	192.0	8.4	B0/220		
BH	(60°-80°)	203.9	8.9	B1/500		G1/500
BVH	(80°-90°)	30.2	1.3			G1/100
UL	(90°-100°)	27.0	1.2		U2/50	
UH	(100°-180°)	11.1	0.5		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°	88°
0°	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5
2.5°	417.1	417.1	416.2	417.1	418.9	420.6	418.9	419.7	420.6	422.4	423.2
5°	432.9	432.0	430.3	428.5	426.8	426.8	425.0	424.1	425.9	431.1	432.9
7.5°	446.1	443.4	441.7	442.6	439.9	435.5	432.0	430.3	428.5	435.5	438.2
10°	467.2	465.4	459.2	454.0	450.5	443.4	435.5	434.7	433.8	440.8	442.6
12.5°	488.2	486.5	483.0	477.7	466.3	460.1	447.8	442.6	441.7	446.1	442.6
15°	519.0	515.4	505.8	500.5	489.1	479.4	464.5	456.6	458.4	452.2	450.5
17.5°	536.5	534.8	533.9	526.0	517.2	500.5	486.5	475.1	478.6	464.5	459.2
20°	555.8	555.0	556.7	557.6	546.2	531.3	513.7	496.1	497.0	478.6	468.0
22.5°	580.4	577.8	581.3	585.7	576.0	563.7	540.9	526.9	519.8	495.3	483.0
25°	609.4	608.5	608.5	616.4	614.7	598.0	576.0	560.2	553.2	519.8	501.4
27.5°	639.3	640.1	641.9	647.2	649.8	640.1	619.1	605.0	591.8	547.9	529.5
30°	658.6	658.6	670.9	678.8	682.3	682.3	656.8	646.3	633.1	583.9	561.1
32.5°	682.3	684.0	695.5	708.6	713.9	720.9	699.8	691.9	680.5	628.7	607.6
35°	699.0	701.6	719.2	739.4	753.4	756.9	744.6	748.1	742.9	687.6	676.1
37.5°	626.1	633.1	659.5	699.0	736.7	773.6	786.8	804.3	807.0	742.9	715.7
40°	545.3	547.9	577.8	606.8	653.3	683.2	716.5	755.2	734.1	664.7	659.5
42.5°	483.8	495.3	536.5	558.5	594.5	601.5	584.8	560.2	522.5	516.3	513.7
45°	473.3	484.7	526.0	562.0	579.5	493.5	447.0	414.5	429.4	466.3	461.9
47.5°	522.5	536.5	579.5	620.8	584.8	489.1	458.4	457.5	445.2	508.4	519.8
50°	552.3	563.7	613.8	612.9	583.9	537.4	554.1	535.6	513.7	621.7	685.8
52.5°	567.3	577.8	595.4	617.3	619.9	616.4	620.8	605.9	572.5	721.8	770.1
55°	526.0	552.3	628.7	666.5	682.3	672.6	675.3	664.7	642.8	784.1	857.9
57.5°	658.6	672.6	700.7	710.4	720.0	715.7	719.2	715.7	695.5	830.7	902.7
60°	735.0	735.0	747.3	731.5	736.7	751.7	762.2	762.2	741.1	864.9	921.1
62.5°	816.6	809.6	762.2	737.6	743.8	777.1	792.9	791.2	769.2	870.2	925.5
65°	800.8	788.5	771.9	718.3	725.3	771.9	793.8	792.9	770.1	850.9	911.5
67.5°	683.2	694.6	714.8	710.4	692.8	746.4	780.6	782.4	756.0	818.4	886.0
70°	591.8	598.9	611.2	648.0	655.9	711.3	765.7	773.6	738.5	780.6	850.0
72.5°	515.4	519.8	510.2	547.9	576.0	648.9	713.0	727.9	691.9	715.7	789.4
75°	440.8	431.1	419.7	436.4	458.4	535.6	613.8	643.7	612.0	627.0	699.8
77.5°	342.5	328.4	317.0	321.4	341.6	408.3	483.8	531.3	503.2	502.3	560.2
80°	233.6	221.3	213.4	211.6	226.6	267.8	322.3	378.5	353.9	330.2	355.6
82.5°	145.8	145.8	138.7	128.2	127.3	135.2	145.8	159.8	151.0	147.5	155.4
85°	91.3	92.2	88.7	77.3	74.6	76.4	81.7	85.2	82.5	85.2	87.8
87.5°	64.1	63.2	58.8	57.1	56.2	58.8	63.2	65.0	65.0	67.6	67.6
90°	48.3	48.3	45.7	44.8	44.8	47.4	51.8	55.3	58.0	62.3	62.3
92.5°	40.4	40.4	38.6	37.8	37.8	38.6	42.1	46.5	49.2	53.6	51.8
95°	33.4	33.4	32.5	32.5	32.5	33.4	35.1	37.8	38.6	38.6	38.6
97.5°	26.3	25.5	24.6	24.6	24.6	25.5	26.3	29.0	29.9	27.2	27.2
100°	18.4	17.6	16.7	17.6	17.6	17.6	18.4	19.3	19.3	17.6	16.7
102.5°	11.4	11.4	11.4	11.4	10.5	10.5	10.5	10.5	9.7	8.8	8.8
105°	7.9	7.9	7.0	7.0	7.0	7.0	6.1	6.1	6.1	5.3	5.3
107.5°	6.1	6.1	6.1	6.1	6.1	5.3	5.3	5.3	5.3	4.4	4.4
110°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.4	4.4	3.5	3.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	5.3	5.3	5.3	5.3	5.3	4.4	4.4	4.4	4.4	3.5	3.5
115°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.5
117.5°	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.5	3.5	4.4	3.5
120°	4.4	4.4	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
122.5°	4.4	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
125°	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
130°	2.6	2.6	2.6	2.6	2.6	2.6	1.8	1.8	1.8	1.8	1.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5
2.5°	423.2	425.0	428.5	432.9	436.4	439.1	440.8	442.6	442.6	440.8	442.6
5°	432.9	434.7	440.8	445.2	445.2	442.6	440.8	439.9	441.7	442.6	444.3
7.5°	440.8	442.6	439.9	441.7	443.4	440.8	437.3	434.7	432.0	429.4	431.1
10°	441.7	437.3	437.3	435.5	429.4	430.3	429.4	425.0	421.5	422.4	423.2
12.5°	440.8	439.1	432.0	428.5	425.9	417.1	413.6	416.2	411.0	413.6	410.1
15°	448.7	439.9	432.9	424.1	414.5	410.1	403.9	395.1	391.6	392.5	393.4
17.5°	454.0	445.2	428.5	412.7	407.4	393.4	386.4	382.0	375.8	376.7	380.2
20°	462.8	449.6	425.9	409.2	383.7	374.1	365.3	360.0	354.8	346.9	343.3
22.5°	475.1	458.4	422.4	391.6	369.7	353.0	333.7	320.5	313.5	308.2	307.3
25°	490.9	471.5	423.2	383.7	348.6	324.0	307.3	284.5	267.8	266.1	268.7
27.5°	519.8	486.5	428.5	371.4	331.0	293.3	262.6	246.7	227.4	223.0	223.0
30°	547.9	510.2	425.0	360.9	301.2	259.0	217.8	187.9	177.4	169.5	168.6
32.5°	599.7	543.5	443.4	345.1	274.0	208.1	162.4	130.0	122.9	120.3	119.4
35°	647.2	589.2	445.2	324.9	233.6	161.6	116.8	94.8	90.4	87.8	86.9
37.5°	698.1	633.1	462.8	308.2	194.1	114.2	84.3	67.6	62.3	58.8	57.1
40°	639.3	580.4	454.9	280.1	144.0	72.9	52.7	36.9	31.6	31.6	31.6
42.5°	500.5	440.8	344.2	226.6	84.3	42.1	26.3	25.5	26.3	27.2	27.2
45°	443.4	365.3	210.7	120.3	35.1	23.7	21.1	20.2	22.8	25.5	26.3
47.5°	521.6	434.7	162.4	84.3	37.8	23.7	19.3	19.3	18.4	16.7	16.7
50°	705.1	586.6	186.2	96.6	47.4	26.3	19.3	16.7	16.7	17.6	18.4
52.5°	795.6	653.3	219.5	125.6	69.4	36.0	21.1	16.7	14.9	12.3	12.3
55°	873.7	706.0	259.9	162.4	101.9	56.2	29.9	17.6	14.9	12.3	11.4
57.5°	899.2	712.1	302.9	204.6	138.7	87.8	51.8	24.6	15.8	13.2	12.3
60°	902.7	719.2	335.4	249.4	180.9	128.2	85.2	44.8	20.2	15.8	14.9
62.5°	907.1	720.9	360.0	281.9	223.0	173.9	122.9	71.1	30.7	18.4	17.6
65°	891.3	699.8	353.9	274.8	235.3	192.3	141.4	83.4	35.1	21.1	20.2
67.5°	864.9	681.4	328.4	252.9	212.5	167.7	121.2	67.6	32.5	24.6	23.7
70°	843.9	663.0	315.2	251.1	196.7	146.6	97.5	49.2	38.6	33.4	31.6
72.5°	792.1	619.1	304.7	250.3	196.7	143.1	94.8	52.7	52.7	53.6	50.1
75°	705.1	553.2	288.9	243.2	192.3	142.3	91.3	57.1	57.1	50.9	48.3
77.5°	582.2	453.1	255.5	222.2	174.7	125.6	74.6	47.4	45.7	39.5	37.8
80°	385.5	324.9	203.7	183.5	144.0	101.0	55.3	36.9	34.2	29.0	27.2
82.5°	173.0	155.4	129.1	130.0	103.6	72.0	37.8	25.5	23.7	19.3	18.4
85°	94.8	89.6	70.2	61.5	52.7	37.8	22.0	16.7	14.0	10.5	10.5
87.5°	72.0	69.4	51.8	40.4	30.7	22.0	14.0	10.5	7.9	5.3	4.4
90°	65.9	62.3	42.1	32.5	24.6	17.6	11.4	7.0	5.3	3.5	2.6
92.5°	55.3	52.7	34.2	27.2	21.1	15.8	9.7	5.3	3.5	1.8	1.8
95°	40.4	39.5	25.5	21.1	16.7	13.2	7.9	4.4	2.6	1.8	0.9
97.5°	27.2	26.3	18.4	15.8	13.2	9.7	6.1	3.5	1.8	0.9	0.9
100°	16.7	16.7	11.4	10.5	8.8	7.0	4.4	2.6	1.8	0.9	0.9
102.5°	8.8	7.9	6.1	6.1	5.3	4.4	3.5	1.8	0.9	0.0	0.0
105°	5.3	4.4	4.4	3.5	3.5	2.6	2.6	1.8	0.9	0.0	0.0
107.5°	4.4	3.5	3.5	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0
110°	3.5	3.5	2.6	2.6	1.8	1.8	1.8	0.9	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.5	2.6	2.6	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0
115°	3.5	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
117.5°	3.5	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
120°	3.5	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
122.5°	3.5	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
125°	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
127.5°	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
130°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	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	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

(END OF REPORT)