

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: P691040

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3081 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2
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

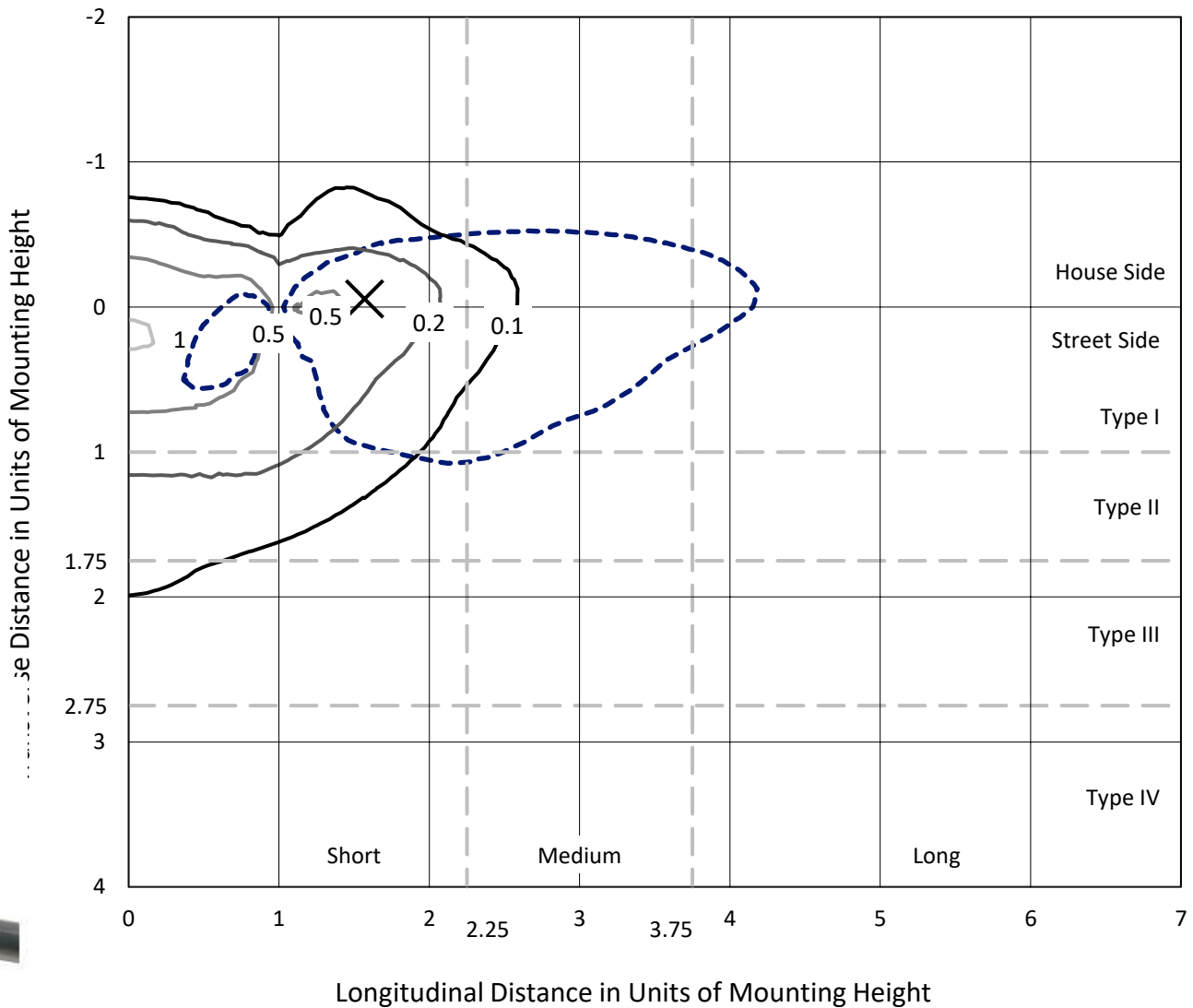


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

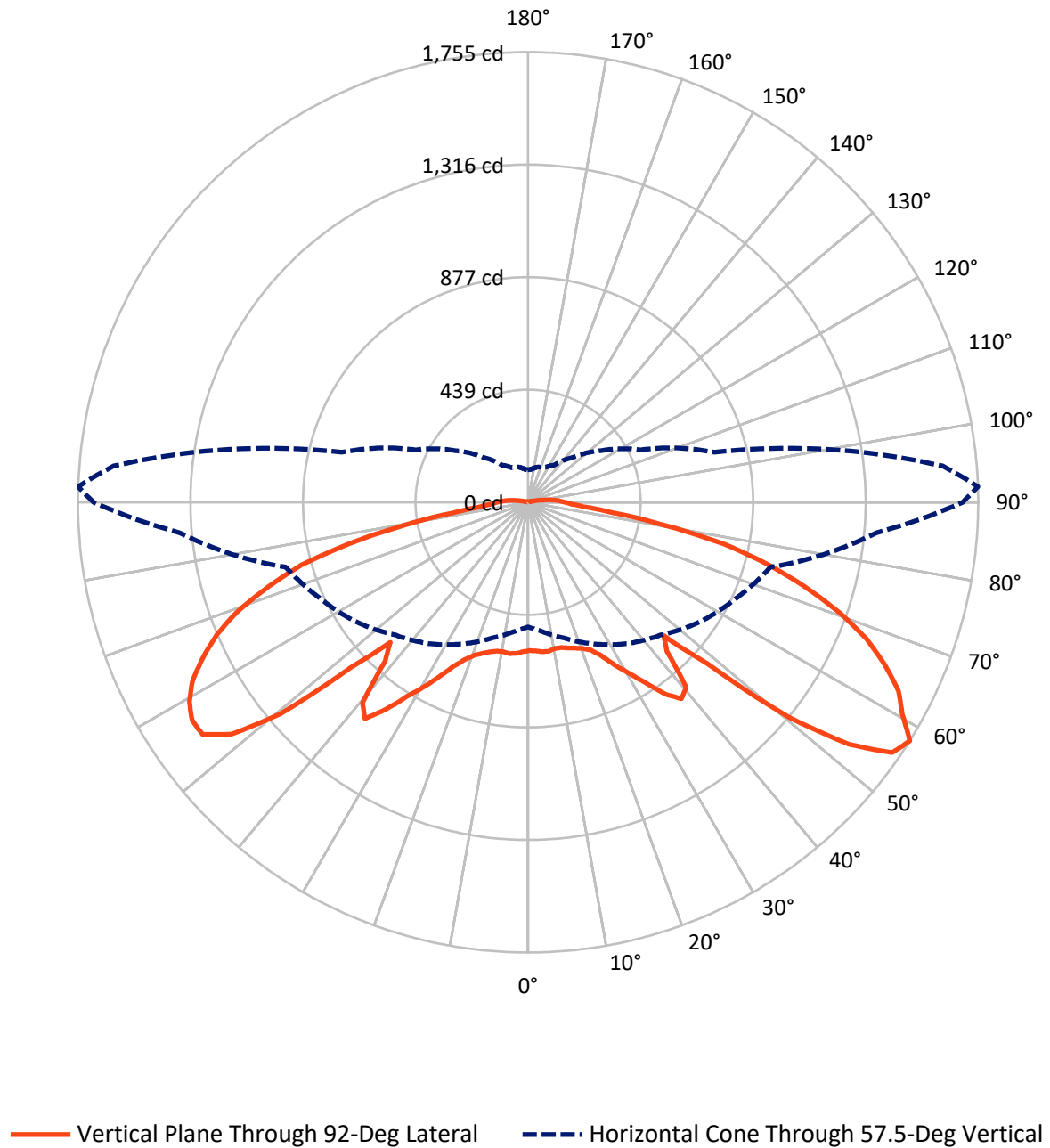


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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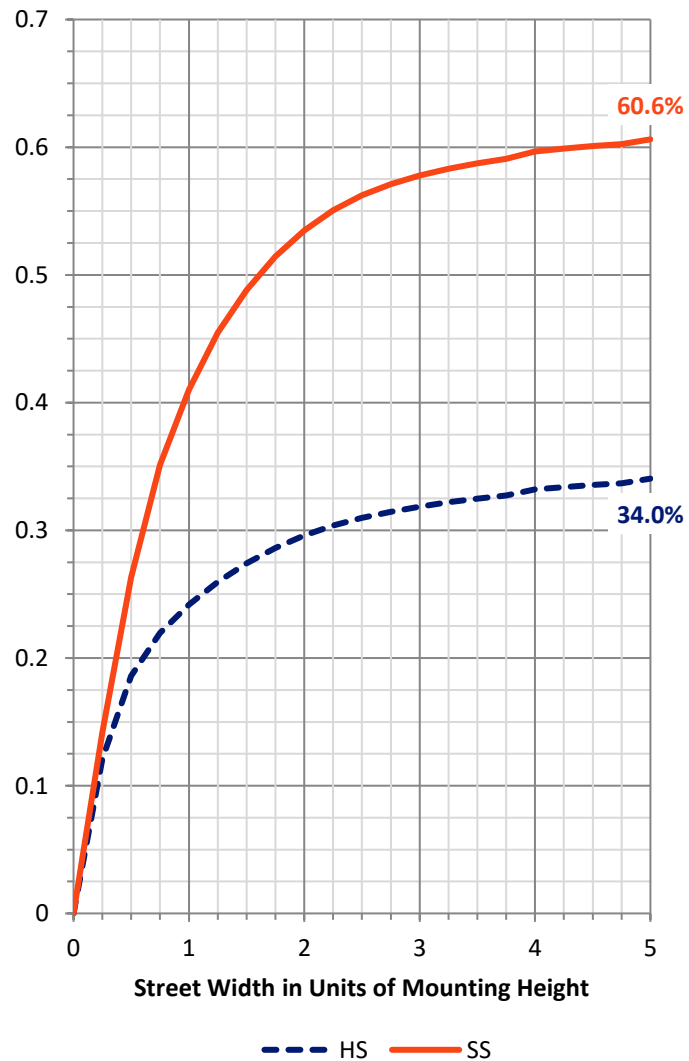
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1099.3	48.0	1147.4
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	1894.4	39.2	1933.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	2993.8	87.3	3081.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	1.8
10°-20°	163.3	5.3
20°-30°	270.8	8.8
30°-40°	374.8	12.2
40°-50°	349.9	11.4
50°-60°	522.9	17.0
60°-70°	621.1	20.2
70°-80°	455.9	14.8
80°-90°	179.7	5.8
90°-100°	63.3	2.1
100°-110°	15.0	0.5
110°-120°	5.8	0.2
120°-130°	3.0	0.1
130°-140°	0.3	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°	2993.8	97.2
0°-180°	3081.0	100.0

Coefficient of Utilization



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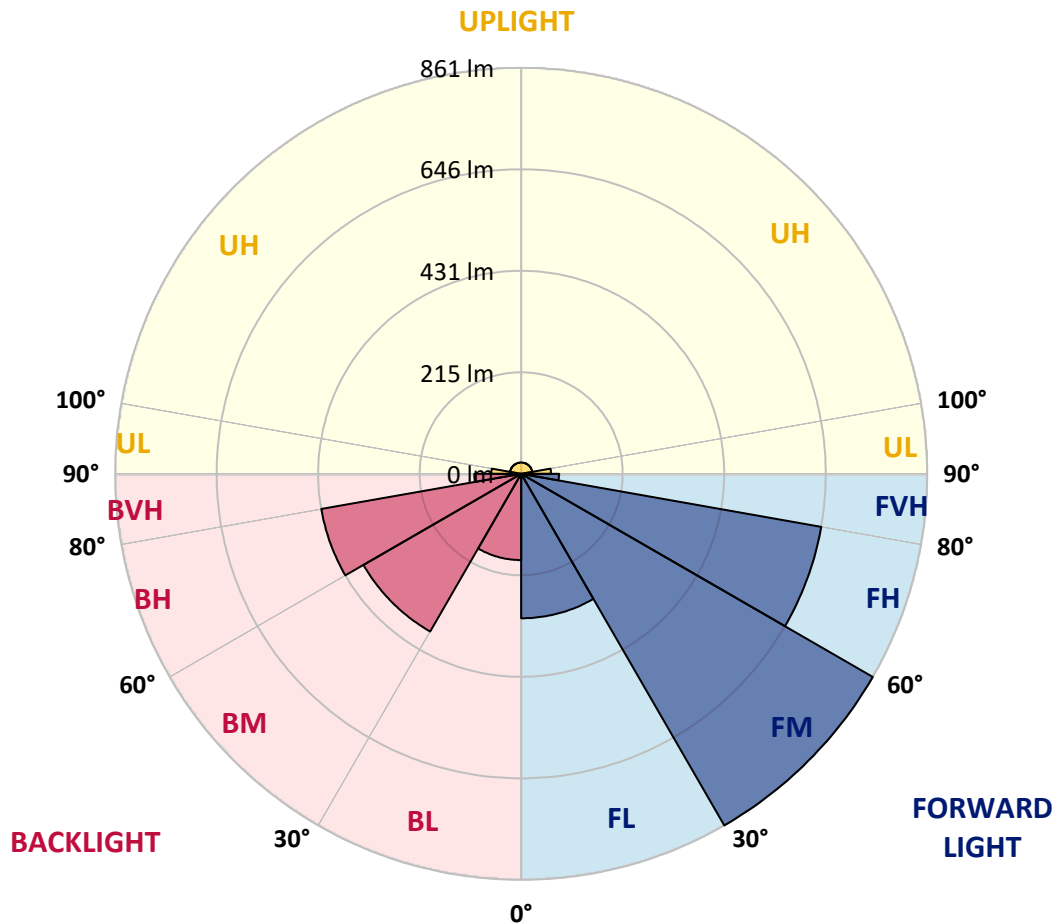
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.5	9.9			
FM	(30°-60°)	861.3	28.0			
FH	(60°-80°)	646.3	21.0			G0/660
FVH	(80°-90°)	80.3	2.6			G1/100
BL	(0°-30°)	183.0	5.9	B1/500		
BM	(30°-60°)	386.3	12.5	B1/1000		
BH	(60°-80°)	430.6	14.0	B1/500		G1/500
BVH	(80°-90°)	99.4	3.2			G1/100
UL	(90°-100°)	63.3	2.1		U3/500	
UH	(100°-180°)	24.0	0.8		U2/50	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	602.8	598.7	599.7	598.7	596.6	594.5	592.5	590.4	587.3	584.2	582.1
5°	638.1	634.0	634.0	634.0	629.8	623.6	615.3	610.1	602.8	594.5	588.3
7.5°	662.0	658.9	657.8	656.8	651.6	647.5	638.1	621.5	610.1	599.7	590.4
10°	670.3	670.3	669.3	666.1	661.0	655.8	649.5	634.0	615.3	597.7	585.2
12.5°	685.9	687.9	684.8	679.6	677.6	671.3	662.0	649.5	628.8	601.8	587.3
15°	709.7	708.7	704.5	703.5	701.4	694.2	685.9	670.3	646.4	612.2	595.6
17.5°	720.1	719.1	719.1	719.1	719.1	713.9	712.8	695.2	670.3	628.8	608.0
20°	722.2	722.2	725.3	732.5	733.6	732.5	737.7	726.3	697.3	649.5	621.5
22.5°	735.7	736.7	741.9	749.2	754.3	756.4	760.6	765.8	738.8	682.7	647.5
25°	728.4	733.6	745.0	756.4	768.9	776.1	799.0	816.6	793.8	731.5	683.8
27.5°	715.9	720.1	742.9	763.7	791.7	821.8	855.0	877.8	864.3	791.7	741.9
30°	727.4	727.4	741.9	776.1	812.4	867.4	916.2	941.1	934.9	855.0	809.3
32.5°	703.5	709.7	740.8	790.7	845.6	917.2	967.0	1013.7	1020.0	937.0	863.3
35°	632.9	646.4	667.2	732.5	825.9	950.4	1027.2	1086.4	1112.3	1030.3	944.2
37.5°	523.0	528.1	571.7	637.1	748.1	871.6	1004.4	1148.6	1202.6	1100.9	1025.2
40°	461.7	464.8	492.9	549.9	643.3	764.7	876.8	1025.2	1067.7	1057.3	985.7
42.5°	441.0	446.2	479.4	534.4	613.2	697.3	726.3	790.7	774.1	818.7	841.5
45°	465.9	469.0	492.9	540.6	590.4	626.7	606.0	651.6	674.4	762.6	767.8
47.5°	483.5	485.6	511.5	571.7	580.0	581.1	609.1	636.1	699.3	890.3	975.3
50°	415.0	425.4	475.2	527.1	531.3	613.2	693.1	747.1	824.9	1172.5	1335.4
52.5°	385.0	390.1	444.1	534.4	594.5	690.0	747.1	801.0	875.7	1294.9	1581.3
55°	422.3	430.6	494.9	595.6	655.8	721.1	792.7	859.1	932.8	1358.2	1691.3
57.5°	485.6	501.2	547.9	609.1	672.4	731.5	814.5	891.3	977.4	1362.4	1693.4
60°	611.1	599.7	573.8	600.8	662.0	729.4	824.9	906.9	1002.3	1361.3	1645.6
62.5°	697.3	680.7	594.5	582.1	639.2	707.6	802.1	904.8	997.1	1315.7	1591.7
65°	680.7	669.3	602.8	557.2	598.7	672.4	770.9	892.3	972.2	1266.9	1494.2
67.5°	587.3	573.8	545.8	528.1	548.9	635.0	741.9	867.4	943.2	1210.9	1387.3
70°	479.4	472.1	462.8	481.4	507.4	588.3	689.0	813.5	888.2	1104.0	1273.1
72.5°	406.7	402.6	391.2	410.9	454.5	527.1	611.1	735.7	819.7	959.8	1132.0
75°	342.4	343.4	337.2	349.7	377.7	449.3	515.7	637.1	730.5	823.9	979.5
77.5°	281.2	278.1	284.3	291.6	310.2	362.1	406.7	512.6	623.6	653.7	751.2
80°	205.4	210.6	222.0	221.0	236.6	259.4	289.5	345.5	437.9	468.0	505.3
82.5°	145.3	151.5	161.9	150.5	152.5	158.8	172.2	198.2	246.9	277.0	308.2
85°	102.7	105.8	107.9	99.6	99.6	103.8	113.1	131.8	161.9	180.5	197.1
87.5°	74.7	75.7	79.9	75.7	76.8	78.9	87.2	99.6	124.5	138.0	151.5
90°	57.1	57.1	59.1	58.1	60.2	64.3	72.6	83.0	101.7	118.3	130.7
92.5°	41.5	41.5	43.6	44.6	45.7	50.8	58.1	66.4	78.9	99.6	112.1
95°	32.2	32.2	34.2	34.2	35.3	39.4	45.7	54.0	63.3	77.8	89.2
97.5°	23.9	23.9	25.9	25.9	27.0	30.1	35.3	40.5	48.8	58.1	63.3
100°	18.7	18.7	19.7	19.7	20.8	23.9	27.0	30.1	32.2	37.4	39.4
102.5°	15.6	15.6	15.6	15.6	15.6	17.6	18.7	18.7	19.7	22.8	23.9
105°	12.5	12.5	12.5	11.4	11.4	12.5	12.5	12.5	13.5	13.5	14.5
107.5°	9.3	9.3	9.3	9.3	9.3	10.4	10.4	10.4	10.4	11.4	11.4
110°	8.3	8.3	8.3	8.3	8.3	8.3	9.3	9.3	9.3	9.3	9.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.3	7.3	7.3	7.3	7.3	7.3	8.3	8.3	8.3	8.3	8.3
115°	6.2	6.2	6.2	6.2	6.2	7.3	8.3	7.3	7.3	7.3	7.3
117.5°	5.2	5.2	5.2	6.2	6.2	6.2	7.3	6.2	6.2	6.2	7.3
120°	4.2	4.2	5.2	5.2	5.2	5.2	5.2	5.2	6.2	6.2	6.2
122.5°	4.2	4.2	4.2	4.2	4.2	5.2	5.2	5.2	5.2	5.2	6.2
125°	3.1	3.1	3.1	4.2	4.2	4.2	4.2	4.2	4.2	5.2	5.2
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	580.0	580.0	573.8	567.6	561.3	555.1	549.9	546.8	542.7	543.7	543.7
5°	585.2	582.1	568.6	560.3	551.0	542.7	534.4	527.1	525.0	524.0	519.8
7.5°	586.2	581.1	566.5	554.1	536.4	516.7	507.4	499.1	493.9	498.1	496.0
10°	579.0	572.8	556.2	537.5	512.6	496.0	481.4	473.1	469.0	470.0	469.0
12.5°	581.1	573.8	546.8	518.8	498.1	470.0	452.4	445.1	439.9	439.9	436.8
15°	589.4	576.9	538.5	509.5	475.2	451.4	430.6	425.4	423.3	421.3	418.2
17.5°	597.7	580.0	537.5	492.9	454.5	428.5	407.8	398.4	393.3	393.3	392.2
20°	608.0	586.2	531.3	475.2	434.8	400.5	375.6	367.3	363.2	362.1	360.0
22.5°	625.7	602.8	528.1	468.0	408.8	373.5	349.7	334.1	325.8	324.8	324.8
25°	661.0	632.9	534.4	448.2	391.2	345.5	316.5	300.9	291.6	291.6	290.5
27.5°	717.0	672.4	543.7	441.0	358.0	315.4	285.3	261.5	253.2	253.2	254.2
30°	772.0	732.5	567.6	425.4	339.3	276.0	239.7	222.0	211.7	207.5	208.6
32.5°	837.3	795.8	600.8	415.0	301.9	229.3	196.1	186.8	171.2	167.1	163.9
35°	917.2	857.1	638.1	400.5	272.9	195.1	168.1	149.4	142.2	137.0	135.9
37.5°	971.2	918.3	671.3	403.6	232.4	176.4	146.3	126.6	119.3	120.4	120.4
40°	948.4	887.2	679.6	382.9	198.2	153.6	122.4	111.0	106.9	107.9	108.9
42.5°	792.7	760.6	562.4	342.4	163.9	123.5	102.7	102.7	105.8	102.7	102.7
45°	740.8	659.9	408.8	240.7	123.5	101.7	97.5	100.6	107.9	107.9	107.9
47.5°	938.0	846.7	366.3	201.3	138.0	114.1	105.8	100.6	101.7	100.6	100.6
50°	1315.7	1172.5	491.8	251.1	167.1	135.9	120.4	110.0	110.0	107.9	105.8
52.5°	1566.8	1416.3	598.7	314.4	209.6	158.8	138.0	119.3	113.1	108.9	107.9
55°	1722.4	1608.3	691.0	402.6	272.9	188.8	153.6	133.9	124.5	116.2	115.2
57.5°	1754.6	1621.8	752.3	483.5	351.7	248.0	176.4	148.4	142.2	128.7	126.6
60°	1675.7	1587.5	776.1	536.4	420.2	326.8	230.3	172.2	158.8	149.4	147.3
62.5°	1620.7	1519.1	767.8	554.1	462.8	392.2	303.0	211.7	173.3	174.3	183.7
65°	1528.4	1459.9	706.6	528.1	460.7	414.0	340.3	244.9	178.5	176.4	187.8
67.5°	1422.6	1368.6	645.4	471.1	424.4	383.9	316.5	233.5	169.1	158.8	159.8
70°	1286.6	1241.0	583.1	438.9	391.2	340.3	275.0	202.3	167.1	150.5	150.5
72.5°	1130.0	1076.0	531.3	415.0	373.5	326.8	263.6	195.1	179.5	173.3	178.5
75°	963.9	895.5	490.8	392.2	361.1	326.8	262.5	195.1	179.5	174.3	174.3
77.5°	777.2	736.7	447.2	355.9	336.2	311.3	241.8	181.6	176.4	174.3	174.3
80°	537.5	531.3	364.2	309.2	304.0	294.7	227.2	175.4	175.4	172.2	168.1
82.5°	330.0	314.4	260.4	231.4	249.0	262.5	206.5	165.0	160.8	157.7	155.6
85°	213.7	214.8	182.6	161.9	172.2	200.3	174.3	149.4	143.2	145.3	145.3
87.5°	163.9	169.1	143.2	131.8	129.7	135.9	137.0	133.9	129.7	126.6	127.6
90°	141.1	143.2	115.2	105.8	104.8	106.9	106.9	113.1	113.1	102.7	96.5
92.5°	118.3	121.4	95.5	86.1	86.1	89.2	91.3	91.3	83.0	67.4	60.2
95°	93.4	95.5	75.7	68.5	69.5	69.5	68.5	65.4	50.8	30.1	27.0
97.5°	65.4	66.4	56.0	51.9	52.9	50.8	44.6	40.5	31.1	17.6	16.6
100°	41.5	42.5	35.3	34.2	37.4	33.2	29.1	27.0	18.7	11.4	13.5
102.5°	24.9	24.9	21.8	20.8	22.8	19.7	17.6	14.5	11.4	7.3	9.3
105°	14.5	14.5	13.5	13.5	13.5	12.5	11.4	9.3	6.2	5.2	5.2
107.5°	11.4	11.4	10.4	10.4	9.3	9.3	8.3	6.2	4.2	3.1	3.1
110°	9.3	9.3	8.3	8.3	8.3	7.3	6.2	5.2	3.1	2.1	2.1

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	8.3	7.3	7.3	6.2	6.2	5.2	4.2	3.1	2.1	2.1
115°	7.3	7.3	6.2	5.2	5.2	5.2	4.2	3.1	2.1	1.0	2.1
117.5°	7.3	7.3	5.2	4.2	4.2	4.2	3.1	3.1	2.1	1.0	1.0
120°	6.2	6.2	4.2	4.2	3.1	3.1	3.1	2.1	1.0	1.0	1.0
122.5°	5.2	5.2	4.2	3.1	3.1	3.1	2.1	2.1	1.0	1.0	1.0
125°	5.2	5.2	3.1	3.1	3.1	2.1	2.1	2.1	1.0	0.0	0.0
127.5°	4.2	4.2	3.1	3.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0
130°	3.1	3.1	3.1	3.1	2.1	2.1	2.1	1.0	1.0	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)