

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: P691139

Luminaire Tested: **CRTK2-C013-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691139
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-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 2535 lumens
Efficiency: N/A
Efficacy: 124.3 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

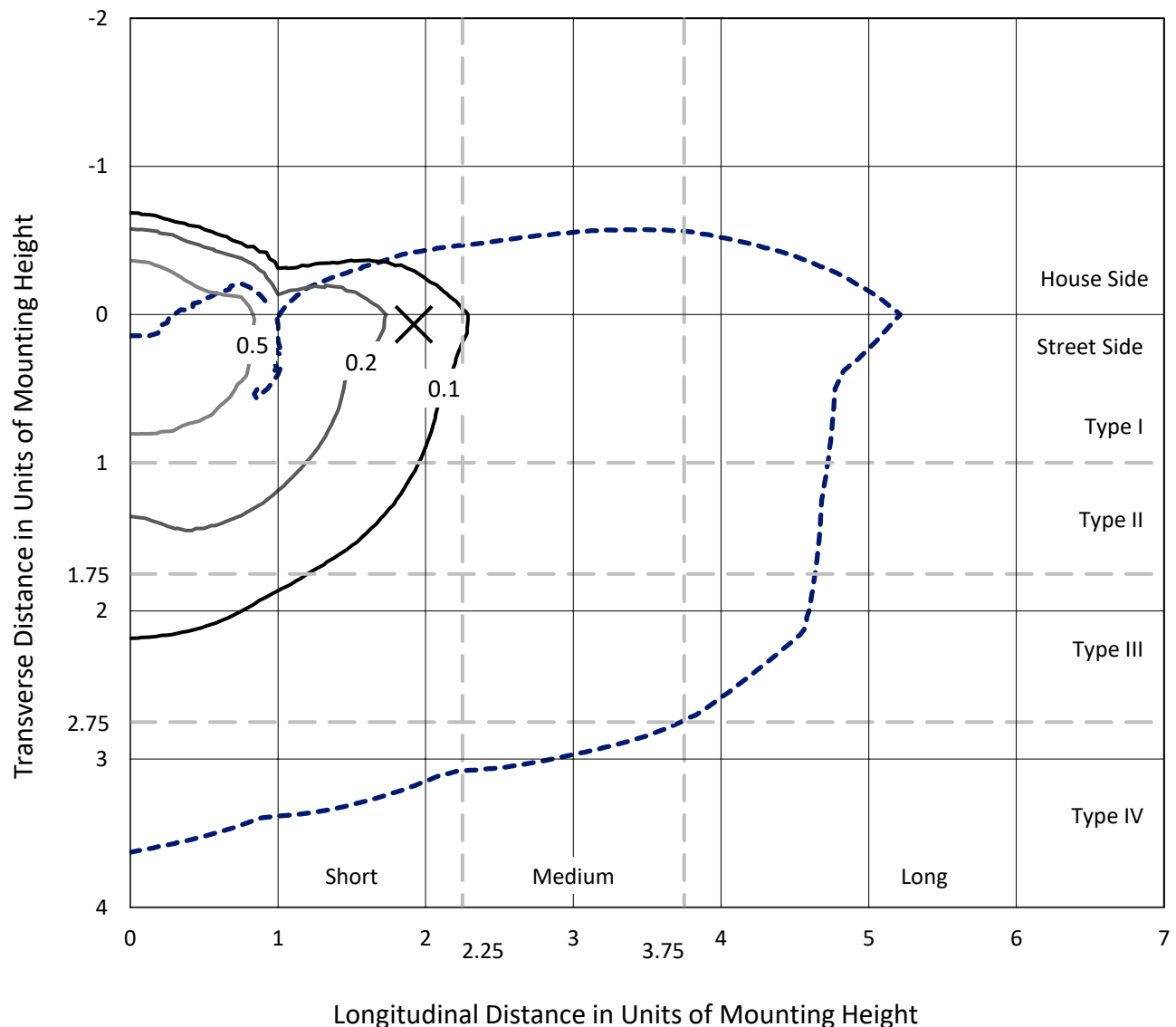


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

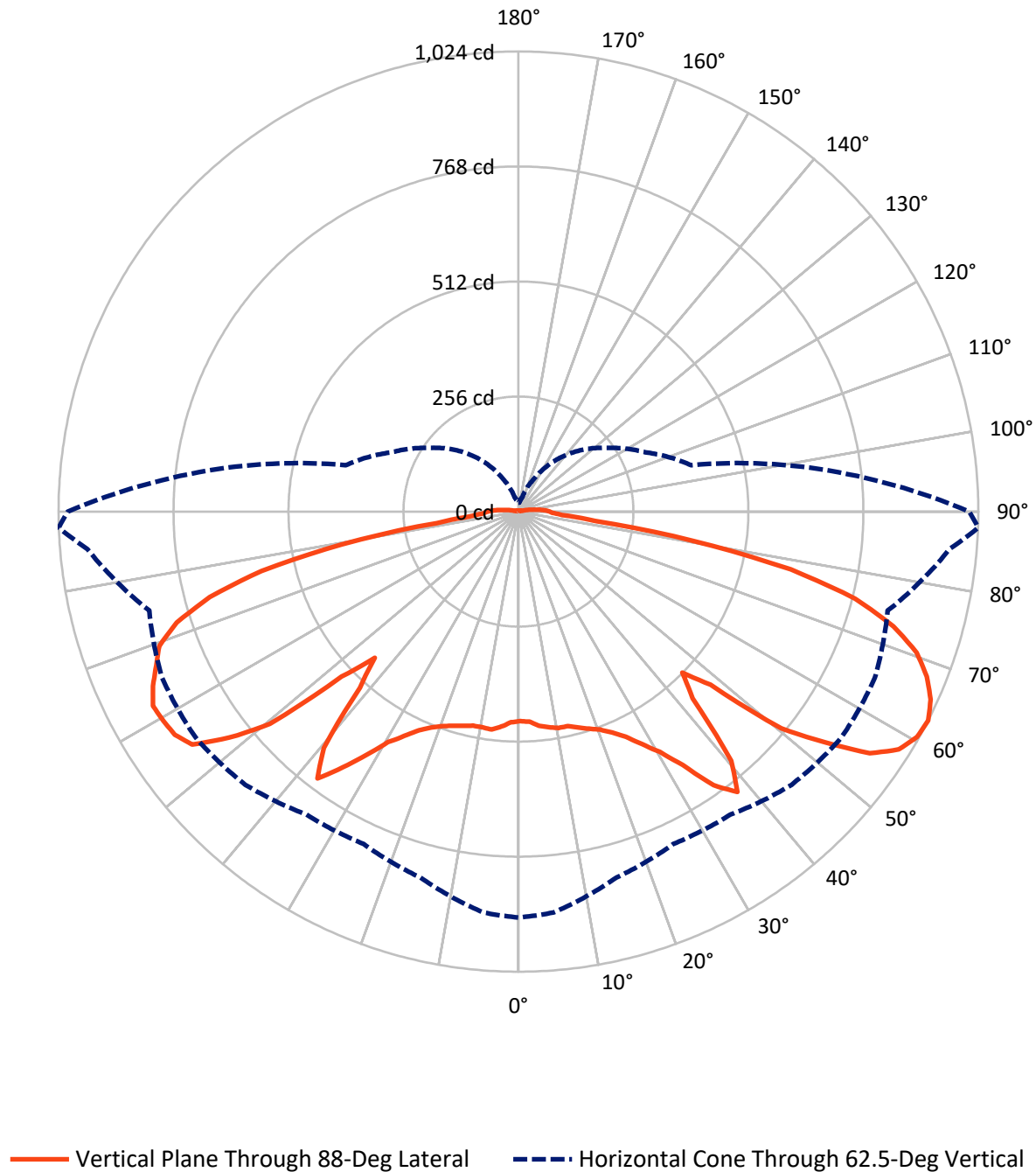


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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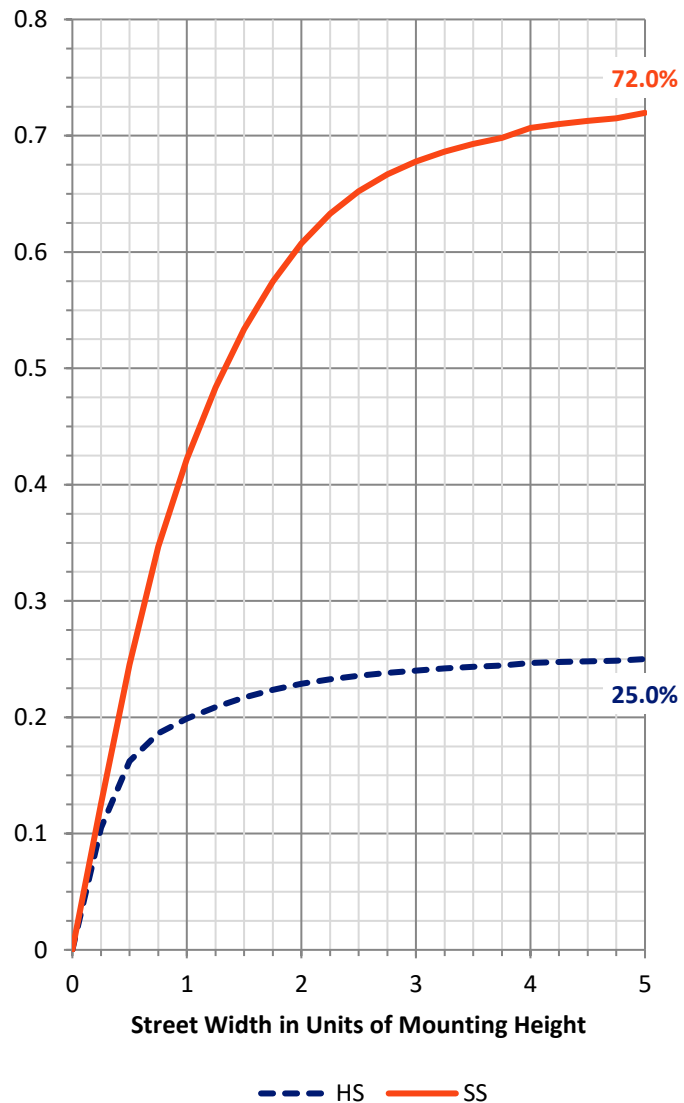
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	644.9	12.2	657.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	1848.0	30.0	1877.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	2492.9	42.1	2535.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.8
10°-20°	140.3	5.5
20°-30°	237.6	9.4
30°-40°	328.0	12.9
40°-50°	283.6	11.2
50°-60°	410.7	16.2
60°-70°	537.6	21.2
70°-80°	407.6	16.1
80°-90°	101.7	4.0
90°-100°	29.9	1.2
100°-110°	6.9	0.3
110°-120°	3.1	0.1
120°-130°	2.0	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°	2492.9	98.3
0°-180°	2535.0	100.0

Coefficient of Utilization



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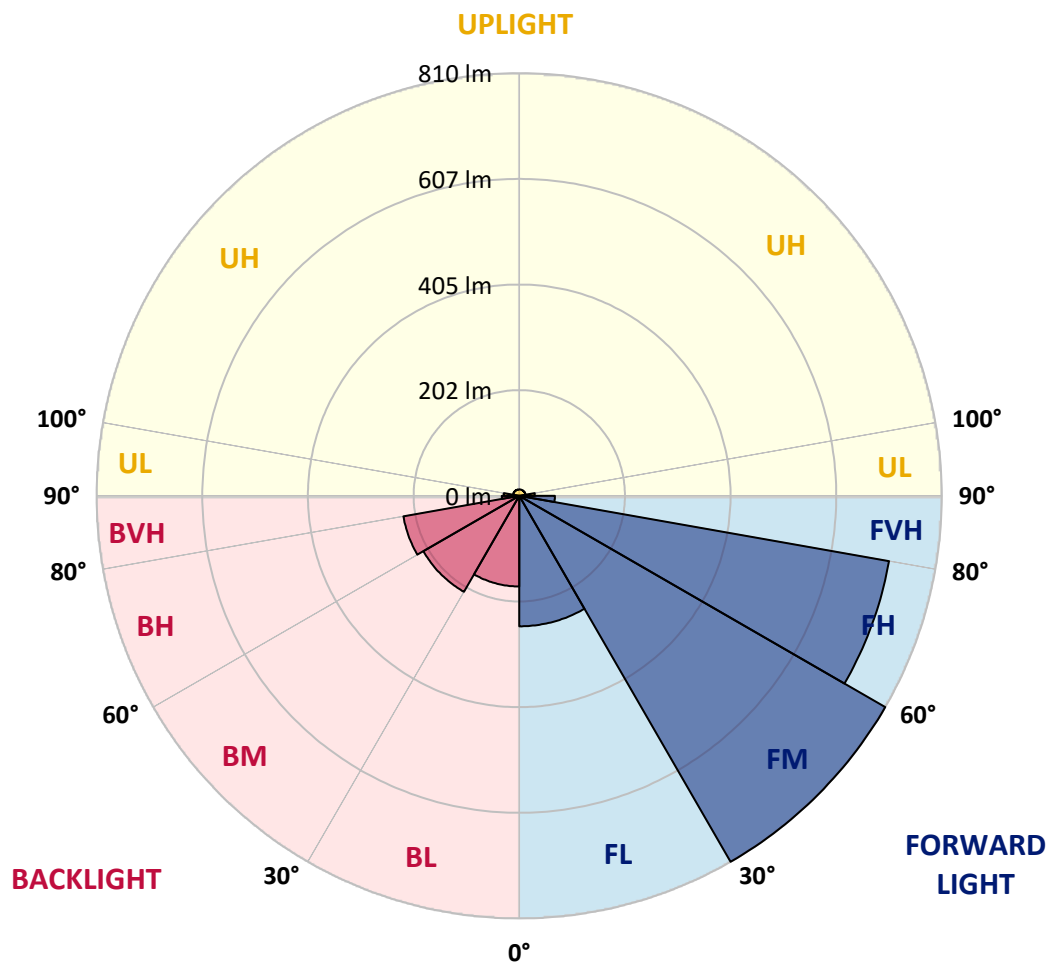
CATALOG NUMBER: CRTK2-C013-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.1	9.9			
FM	(30°-60°)	809.9	31.9			
FH	(60°-80°)	719.6	28.4			G1/1800
FVH	(80°-90°)	68.3	2.7			G1/100
BL	(0°-30°)	173.7	6.9	B1/500		
BM	(30°-60°)	212.3	8.4	B0/220		
BH	(60°-80°)	225.5	8.9	B1/500		G1/500
BVH	(80°-90°)	33.4	1.3			G1/100
UL	(90°-100°)	29.9	1.2		U2/50	
UH	(100°-180°)	12.2	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°	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2
2.5°	461.3	461.3	460.3	461.3	463.3	465.2	463.3	464.2	465.2	467.1	468.1
5°	478.8	477.8	475.9	473.9	472.0	472.0	470.1	469.1	471.0	476.9	478.8
7.5°	493.4	490.5	488.5	489.5	486.6	481.7	477.8	475.9	473.9	481.7	484.6
10°	516.7	514.7	507.9	502.1	498.2	490.5	481.7	480.7	479.8	487.5	489.5
12.5°	540.0	538.0	534.2	528.3	515.7	508.9	495.3	489.5	488.5	493.4	489.5
15°	574.0	570.1	559.4	553.6	541.0	530.3	513.8	505.0	507.0	500.2	498.2
17.5°	593.4	591.5	590.5	581.7	572.0	553.6	538.0	525.4	529.3	513.8	507.9
20°	614.8	613.8	615.7	616.7	604.1	587.6	568.2	548.7	549.7	529.3	517.7
22.5°	642.0	639.1	642.9	647.8	637.1	623.5	598.3	582.7	575.0	547.8	534.2
25°	674.0	673.0	673.0	681.8	679.8	661.4	637.1	619.6	611.9	575.0	554.6
27.5°	707.0	708.0	709.9	715.8	718.7	708.0	684.7	669.2	654.6	606.0	585.6
30°	728.4	728.4	742.0	750.7	754.6	754.6	726.5	714.8	700.2	645.8	620.6
32.5°	754.6	756.6	769.2	783.8	789.6	797.4	774.0	765.3	752.7	695.4	672.1
35°	773.1	776.0	795.4	817.8	833.3	837.2	823.6	827.5	821.6	760.5	747.8
37.5°	692.5	700.2	729.4	773.1	814.8	855.6	870.2	889.6	892.5	821.6	791.5
40°	603.1	606.0	639.1	671.1	722.6	755.6	792.5	835.2	811.9	735.2	729.4
42.5°	535.1	547.8	593.4	617.7	657.5	665.3	646.8	619.6	577.9	571.1	568.2
45°	523.5	536.1	581.7	621.6	641.0	545.8	494.3	458.4	474.9	515.7	510.9
47.5°	577.9	593.4	641.0	686.6	646.8	541.0	507.0	506.0	492.4	562.3	575.0
50°	610.9	623.5	678.9	677.9	645.8	594.4	612.8	592.4	568.2	687.6	758.5
52.5°	627.4	639.1	658.5	682.8	685.7	681.8	686.6	670.1	633.2	798.3	851.7
55°	581.7	610.9	695.4	737.1	754.6	743.9	746.9	735.2	710.9	867.3	948.9
57.5°	728.4	743.9	775.0	785.7	796.4	791.5	795.4	791.5	769.2	918.8	998.4
60°	812.9	812.9	826.5	809.0	814.8	831.3	843.0	843.0	819.7	956.6	1018.8
62.5°	903.2	895.4	843.0	815.8	822.6	859.5	877.0	875.1	850.8	962.5	1023.6
65°	885.7	872.1	853.7	794.4	802.2	853.7	878.0	877.0	851.7	941.1	1008.1
67.5°	755.6	768.2	790.6	785.7	766.3	825.5	863.4	865.3	836.2	905.2	979.9
70°	654.6	662.4	676.0	716.7	725.5	786.7	846.9	855.6	816.8	863.4	940.1
72.5°	570.1	575.0	564.3	606.0	637.1	717.7	788.6	805.1	765.3	791.5	873.1
75°	487.5	476.9	464.2	482.7	507.0	592.4	678.9	711.9	676.9	693.4	774.0
77.5°	378.8	363.2	350.6	355.5	377.8	451.6	535.1	587.6	556.5	555.5	619.6
80°	258.3	244.7	236.0	234.1	250.6	296.2	356.4	418.6	391.4	365.2	393.3
82.5°	161.2	161.2	153.4	141.8	140.8	149.6	161.2	176.8	167.0	163.2	171.9
85°	101.0	102.0	98.1	85.5	82.6	84.5	90.3	94.2	91.3	94.2	97.1
87.5°	70.9	69.9	65.1	63.1	62.2	65.1	69.9	71.9	71.9	74.8	74.8
90°	53.4	53.4	50.5	49.5	49.5	52.4	57.3	61.2	64.1	69.0	69.0
92.5°	44.7	44.7	42.7	41.8	41.8	42.7	46.6	51.5	54.4	59.2	57.3
95°	36.9	36.9	35.9	35.9	35.9	36.9	38.8	41.8	42.7	42.7	42.7
97.5°	29.1	28.2	27.2	27.2	27.2	28.2	29.1	32.0	33.0	30.1	30.1
100°	20.4	19.4	18.5	19.4	19.4	19.4	20.4	21.4	21.4	19.4	18.5
102.5°	12.6	12.6	12.6	12.6	11.7	11.7	11.7	11.7	10.7	9.7	9.7
105°	8.7	8.7	7.8	7.8	7.8	7.8	6.8	6.8	6.8	5.8	5.8
107.5°	6.8	6.8	6.8	6.8	6.8	5.8	5.8	5.8	5.8	4.9	4.9
110°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	4.9	4.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	5.8	5.8	5.8	5.8	5.8	4.9	4.9	4.9	4.9	3.9	3.9
115°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9
117.5°	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	3.9
120°	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
122.5°	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
125°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
130°	2.9	2.9	2.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.9
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°	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2	466.2
2.5°	468.1	470.1	473.9	478.8	482.7	485.6	487.5	489.5	489.5	487.5	489.5
5°	478.8	480.7	487.5	492.4	492.4	489.5	487.5	486.6	488.5	489.5	491.4
7.5°	487.5	489.5	486.6	488.5	490.5	487.5	483.7	480.7	477.8	474.9	476.9
10°	488.5	483.7	483.7	481.7	474.9	475.9	474.9	470.1	466.2	467.1	468.1
12.5°	487.5	485.6	477.8	473.9	471.0	461.3	457.4	460.3	454.5	457.4	453.6
15°	496.3	486.6	478.8	469.1	458.4	453.6	446.8	437.0	433.2	434.1	435.1
17.5°	502.1	492.4	473.9	456.5	450.6	435.1	427.3	422.5	415.7	416.6	420.5
20°	511.8	497.3	471.0	452.6	424.4	413.7	404.0	398.2	392.4	383.6	379.7
22.5°	525.4	507.0	467.1	433.2	408.9	390.4	369.1	354.5	346.7	340.9	339.9
25°	542.9	521.5	468.1	424.4	385.6	358.4	339.9	314.7	296.2	294.3	297.2
27.5°	575.0	538.0	473.9	410.8	366.1	324.4	290.4	272.9	251.5	246.7	246.7
30°	606.0	564.3	470.1	399.2	333.1	286.5	240.9	207.8	196.2	187.4	186.5
32.5°	663.3	601.2	490.5	381.7	303.0	230.2	179.7	143.7	136.0	133.1	132.1
35°	715.8	651.7	492.4	359.3	258.3	178.7	129.2	104.9	100.0	97.1	96.1
37.5°	772.1	700.2	511.8	340.9	214.6	126.3	93.2	74.8	69.0	65.1	63.1
40°	707.0	642.0	503.1	309.8	159.3	80.6	58.3	40.8	35.0	35.0	35.0
42.5°	553.6	487.5	380.7	250.6	93.2	46.6	29.1	28.2	29.1	30.1	30.1
45°	490.5	404.0	233.1	133.1	38.8	26.2	23.3	22.3	25.3	28.2	29.1
47.5°	576.9	480.7	179.7	93.2	41.8	26.2	21.4	21.4	20.4	18.5	18.5
50°	779.9	648.8	205.9	106.8	52.4	29.1	21.4	18.5	18.5	19.4	20.4
52.5°	879.9	722.6	242.8	138.9	76.7	39.8	23.3	18.5	16.5	13.6	13.6
55°	966.3	780.8	287.5	179.7	112.7	62.2	33.0	19.4	16.5	13.6	12.6
57.5°	994.5	787.6	335.1	226.3	153.4	97.1	57.3	27.2	17.5	14.6	13.6
60°	998.4	795.4	371.0	275.8	200.1	141.8	94.2	49.5	22.3	17.5	16.5
62.5°	1003.3	797.4	398.2	311.8	246.7	192.3	136.0	78.7	34.0	20.4	19.4
65°	985.8	774.0	391.4	304.0	260.3	212.7	156.4	92.3	38.8	23.3	22.3
67.5°	956.6	753.7	363.2	279.7	235.0	185.5	134.0	74.8	35.9	27.2	26.2
70°	933.3	733.3	348.7	277.8	217.5	162.2	107.8	54.4	42.7	36.9	35.0
72.5°	876.0	684.7	337.0	276.8	217.5	158.3	104.9	58.3	58.3	59.2	55.4
75°	779.9	611.9	319.5	269.0	212.7	157.3	101.0	63.1	63.1	56.3	53.4
77.5°	643.9	501.1	282.6	245.7	193.3	138.9	82.6	52.4	50.5	43.7	41.8
80°	426.4	359.3	225.3	203.0	159.3	111.7	61.2	40.8	37.9	32.0	30.1
82.5°	191.3	171.9	142.8	143.7	114.6	79.6	41.8	28.2	26.2	21.4	20.4
85°	104.9	99.1	77.7	68.0	58.3	41.8	24.3	18.5	15.5	11.7	11.7
87.5°	79.6	76.7	57.3	44.7	34.0	24.3	15.5	11.7	8.7	5.8	4.9
90°	72.8	69.0	46.6	35.9	27.2	19.4	12.6	7.8	5.8	3.9	2.9
92.5°	61.2	58.3	37.9	30.1	23.3	17.5	10.7	5.8	3.9	1.9	1.9
95°	44.7	43.7	28.2	23.3	18.5	14.6	8.7	4.9	2.9	1.9	1.0
97.5°	30.1	29.1	20.4	17.5	14.6	10.7	6.8	3.9	1.9	1.0	1.0
100°	18.5	18.5	12.6	11.7	9.7	7.8	4.9	2.9	1.9	1.0	1.0
102.5°	9.7	8.7	6.8	6.8	5.8	4.9	3.9	1.9	1.0	0.0	0.0
105°	5.8	4.9	4.9	3.9	3.9	2.9	2.9	1.9	1.0	0.0	0.0
107.5°	4.9	3.9	3.9	2.9	2.9	1.9	1.9	1.0	1.0	0.0	0.0
110°	3.9	3.9	2.9	2.9	1.9	1.9	1.9	1.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	2.9	2.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0
115°	3.9	2.9	1.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0
117.5°	3.9	2.9	1.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0
120°	3.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0
122.5°	3.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0
125°	2.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	2.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	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	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)