

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: P691184

Luminaire Tested: **CRTK2-C013-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691184
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-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 1955 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

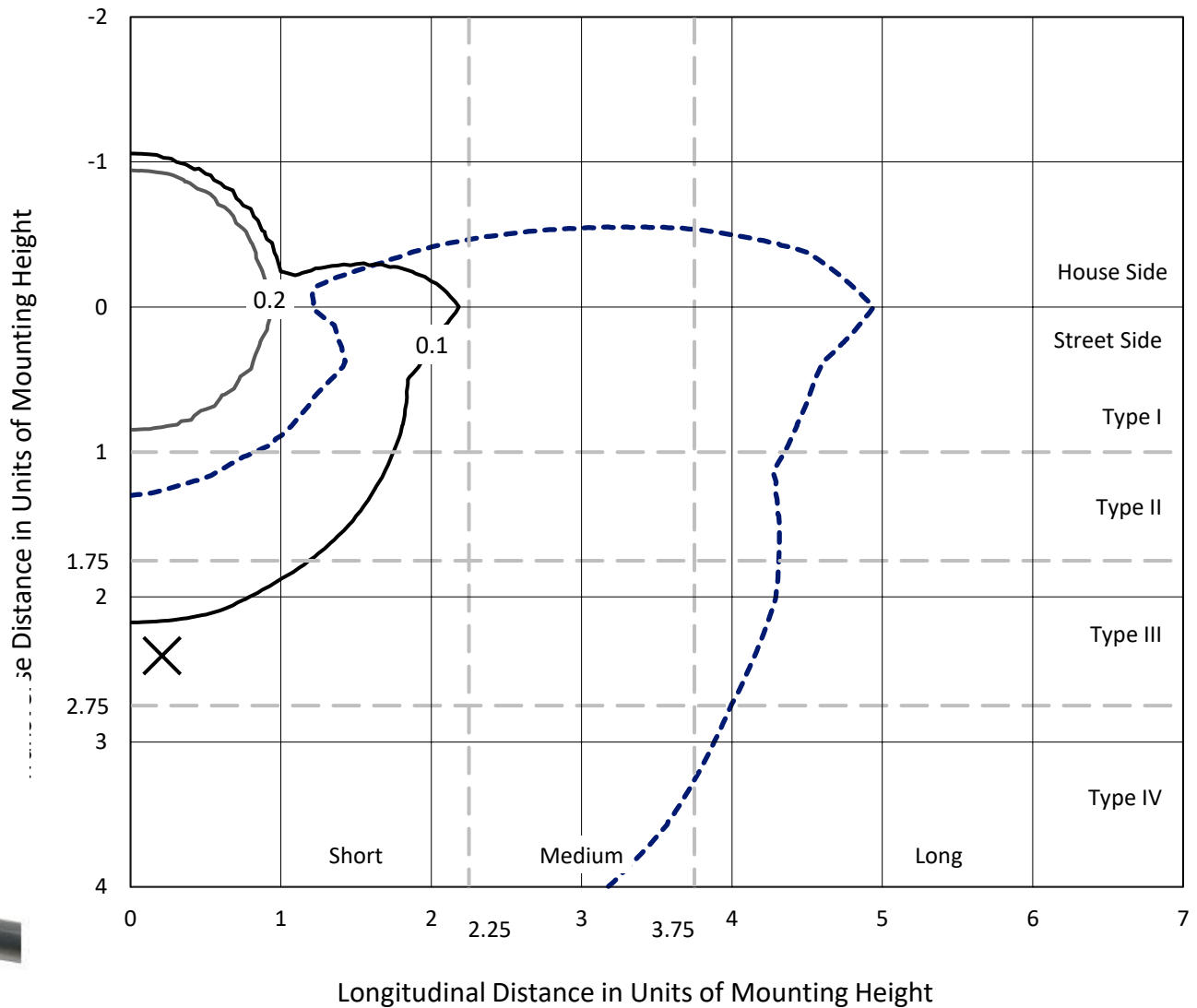
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

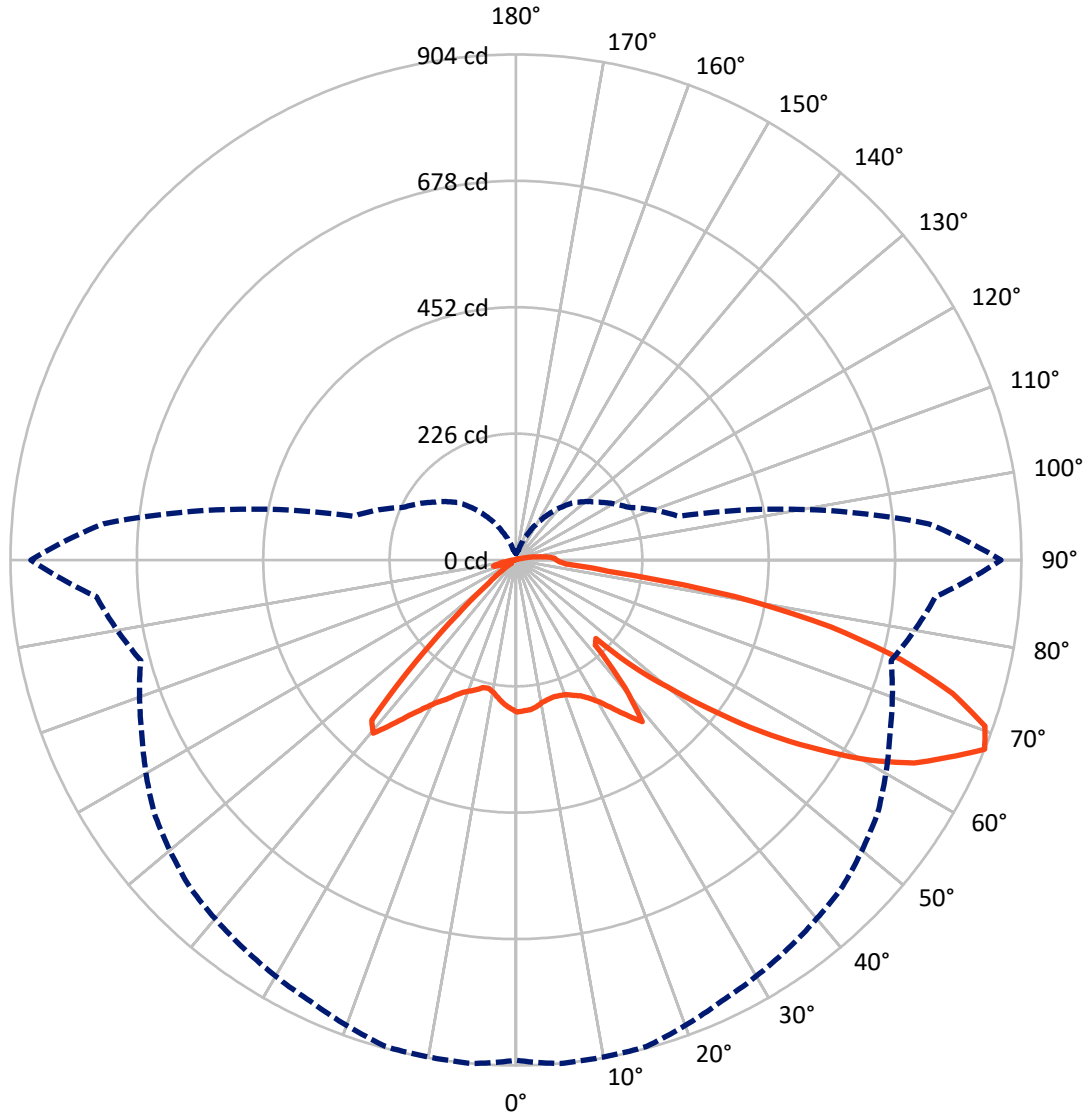
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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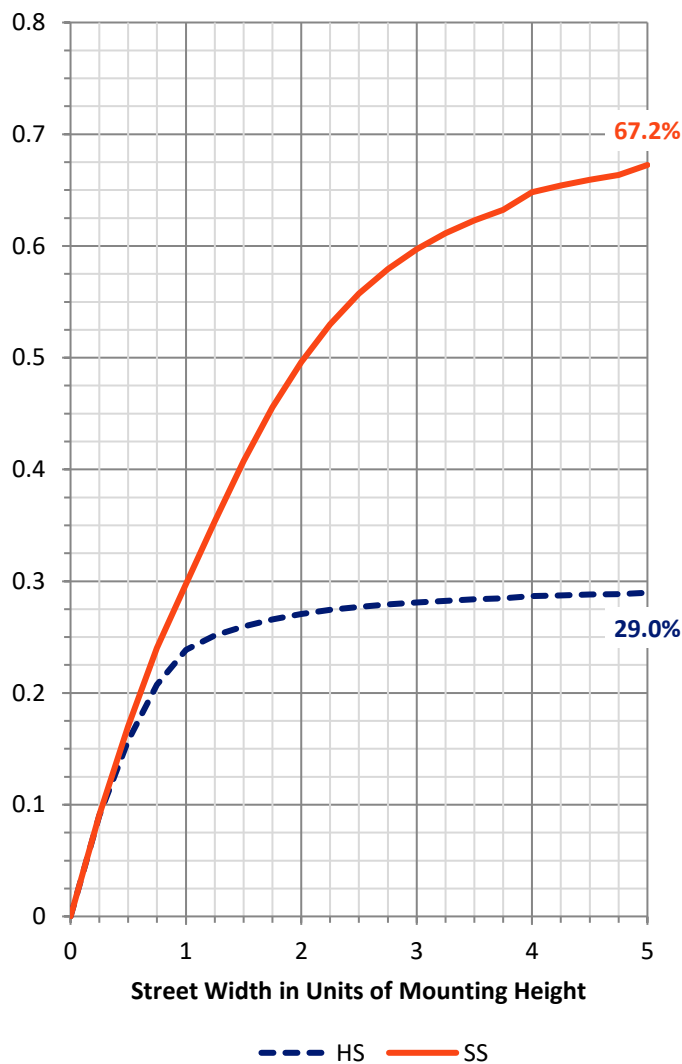
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	573.0	8.6	581.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1339.8	33.6	1373.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	1912.7	42.2	1955.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.3
10°-20°	72.5	3.7
20°-30°	128.9	6.6
30°-40°	215.5	11.0
40°-50°	196.8	10.1
50°-60°	292.1	14.9
60°-70°	479.2	24.5
70°-80°	411.3	21.0
80°-90°	91.2	4.7
90°-100°	30.8	1.6
100°-110°	7.6	0.4
110°-120°	2.4	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°	1912.7	97.8
0°-180°	1955.0	100.0

Coefficient of Utilization



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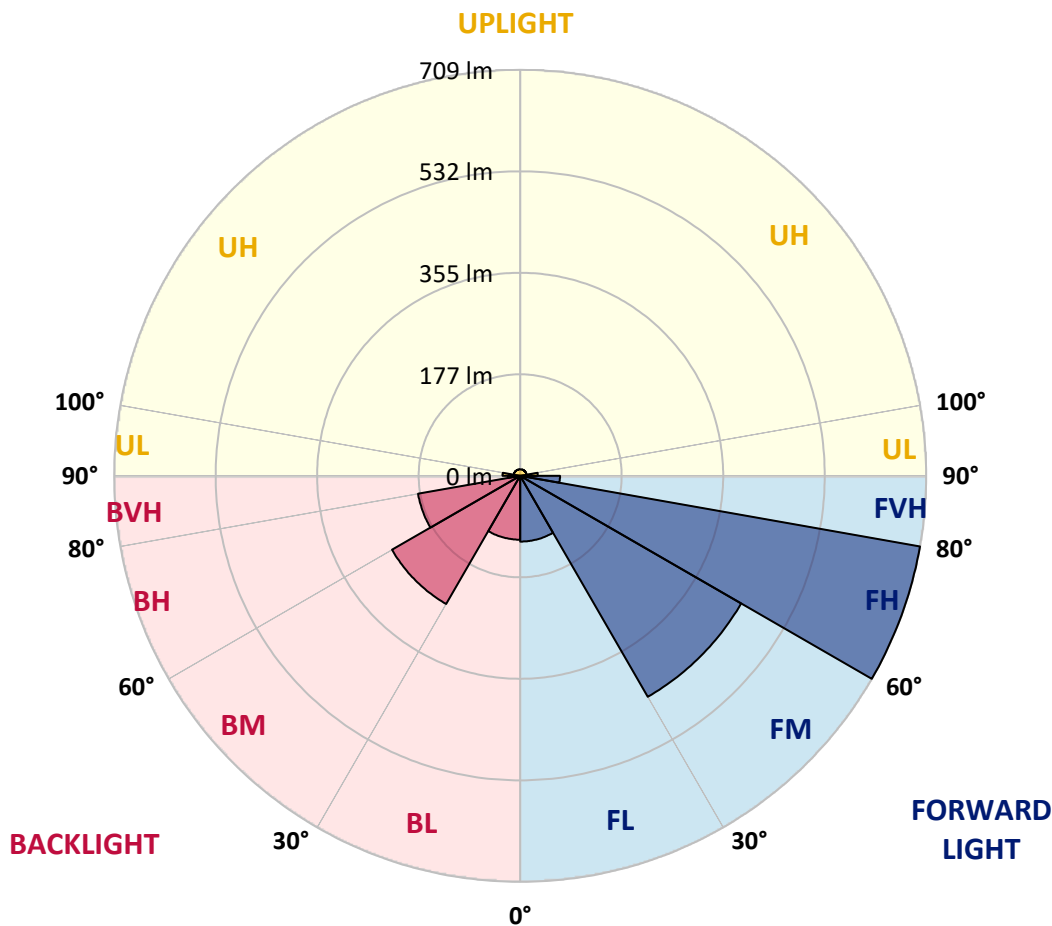
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.9	5.9			
FM (30°-60°)	445.9	22.8			
FH (60°-80°)	709.4	36.3			G1/1800
FVH (80°-90°)	69.6	3.6			G1/100
BL (0°-30°)	111.6	5.7	B1/500		
BM (30°-60°)	258.6	13.2	B1/1000		
BH (60°-80°)	181.1	9.3	B1/500		G1/500
BVH (80°-90°)	21.7	1.1			G1/100
UL (90°-100°)	30.8	1.6		U2/50	
UH (100°-180°)	11.5	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°	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0
2.5°	270.0	270.0	270.0	271.0	272.0	271.0	270.0	269.0	268.0	269.0	269.0
5°	269.0	269.0	270.0	270.0	271.0	272.0	271.0	270.0	269.0	269.0	269.0
7.5°	263.9	264.9	264.9	265.9	266.9	269.0	269.0	266.9	266.9	266.9	266.9
10°	258.9	258.9	259.9	260.9	261.9	263.9	263.9	261.9	262.9	263.9	263.9
12.5°	255.8	255.8	256.8	258.9	259.9	260.9	261.9	261.9	262.9	261.9	262.9
15°	253.8	253.8	253.8	256.8	259.9	260.9	262.9	263.9	264.9	264.9	264.9
17.5°	254.8	254.8	254.8	258.9	260.9	263.9	265.9	266.9	266.9	268.0	268.0
20°	256.8	256.8	257.8	260.9	264.9	268.0	270.0	271.0	271.0	273.0	273.0
22.5°	260.9	262.9	261.9	264.9	268.0	272.0	275.0	277.1	277.1	279.1	279.1
25°	270.0	269.0	270.0	273.0	276.0	279.1	281.1	284.1	285.1	287.2	287.2
27.5°	280.1	280.1	280.1	283.1	285.1	288.2	290.2	292.2	294.2	297.3	298.3
30°	295.3	294.2	293.2	296.3	298.3	301.3	303.3	304.4	304.4	306.4	308.4
32.5°	315.5	315.5	315.5	317.5	318.5	321.5	322.6	323.6	322.6	325.6	326.6
35°	340.8	340.8	341.8	343.8	346.8	348.8	349.9	348.8	349.9	351.9	353.9
37.5°	366.0	367.0	370.1	373.1	375.1	379.2	382.2	382.2	383.2	389.3	389.3
40°	296.3	299.3	302.3	309.4	318.5	330.6	350.9	359.0	382.2	394.4	397.4
42.5°	201.2	208.3	216.4	225.5	232.6	233.6	252.8	263.9	287.2	309.4	315.5
45°	192.1	200.2	208.3	202.2	207.3	191.1	210.3	212.3	223.5	240.7	286.2
47.5°	282.1	293.2	304.4	289.2	292.2	256.8	263.9	255.8	230.5	258.9	334.7
50°	368.1	367.0	383.2	376.1	384.2	345.8	348.8	332.7	293.2	332.7	440.9
52.5°	451.0	459.1	476.3	474.2	480.3	430.8	421.7	407.5	345.8	406.5	533.9
55°	547.0	553.1	569.3	564.2	561.2	511.6	495.5	481.3	421.7	500.5	633.0
57.5°	637.0	640.1	659.3	642.1	632.0	594.6	572.3	549.1	490.4	586.5	701.7
60°	723.0	727.0	738.1	714.9	698.7	669.4	642.1	616.8	562.2	663.3	765.4
62.5°	803.9	799.8	804.9	775.6	764.4	738.1	708.8	677.5	629.9	724.0	827.1
65°	850.4	850.4	856.4	819.0	801.8	785.7	753.3	716.9	673.4	753.3	865.5
67.5°	894.9	904.0	900.9	870.6	848.4	826.1	789.7	738.1	694.7	753.3	867.6
70°	878.7	889.8	877.7	853.4	831.2	804.9	771.5	721.0	672.4	716.9	821.1
72.5°	808.9	817.0	812.0	790.7	763.4	746.2	710.8	672.4	615.8	654.2	745.2
75°	713.9	711.9	721.0	696.7	673.4	657.3	622.9	598.6	546.0	574.3	661.3
77.5°	575.3	576.4	595.6	568.3	550.1	538.9	507.6	487.4	439.9	465.1	531.9
80°	386.3	397.4	415.6	386.3	383.2	368.1	341.8	328.6	292.2	304.4	339.7
82.5°	160.8	165.8	171.9	162.8	159.8	154.7	143.6	139.5	125.4	131.5	131.5
85°	90.0	89.0	92.0	92.0	90.0	85.9	81.9	74.8	68.8	67.7	62.7
87.5°	75.8	76.8	78.9	78.9	74.8	71.8	66.7	61.7	56.6	53.6	48.5
90°	70.8	71.8	72.8	69.8	65.7	62.7	58.6	54.6	50.6	48.5	43.5
92.5°	67.7	67.7	67.7	63.7	59.7	56.6	53.6	49.5	46.5	44.5	40.4
95°	56.6	55.6	54.6	52.6	48.5	45.5	43.5	39.4	37.4	35.4	33.4
97.5°	42.5	41.5	40.4	39.4	35.4	33.4	32.4	30.3	28.3	25.3	24.3
100°	30.3	29.3	29.3	28.3	26.3	24.3	23.3	21.2	19.2	17.2	16.2
102.5°	20.2	19.2	19.2	18.2	17.2	16.2	14.2	13.1	11.1	10.1	9.1
105°	11.1	11.1	11.1	10.1	10.1	9.1	8.1	7.1	6.1	6.1	5.1
107.5°	8.1	8.1	8.1	8.1	7.1	7.1	6.1	5.1	5.1	4.0	4.0
110°	6.1	6.1	6.1	6.1	6.1	5.1	5.1	4.0	4.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.1	5.1	5.1	5.1	5.1	5.1	4.0	4.0	3.0	3.0	3.0
115°	5.1	5.1	5.1	5.1	4.0	4.0	3.0	3.0	3.0	3.0	2.0
117.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	3.0
120°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
122.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
125°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
127.5°	3.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0
130°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0	272.0
2.5°	270.0	270.0	271.0	270.0	270.0	268.0	266.9	265.9	265.9	265.9
5°	269.0	269.0	268.0	265.9	264.9	262.9	260.9	259.9	258.9	259.9
7.5°	266.9	264.9	262.9	258.9	255.8	254.8	250.8	249.8	249.8	249.8
10°	262.9	260.9	255.8	250.8	248.7	245.7	242.7	239.6	240.7	241.7
12.5°	261.9	256.8	252.8	247.7	244.7	239.6	238.6	235.6	234.6	234.6
15°	262.9	258.9	253.8	249.8	245.7	243.7	239.6	238.6	235.6	237.6
17.5°	266.9	260.9	256.8	252.8	248.7	246.7	243.7	241.7	242.7	242.7
20°	271.0	264.9	260.9	257.8	253.8	250.8	249.8	247.7	248.7	246.7
22.5°	277.1	271.0	268.0	263.9	260.9	258.9	256.8	257.8	255.8	256.8
25°	285.1	280.1	276.0	273.0	270.0	268.0	268.0	268.0	266.9	268.0
27.5°	296.3	291.2	288.2	286.2	283.1	281.1	279.1	280.1	281.1	280.1
30°	306.4	300.3	299.3	297.3	295.3	294.2	294.2	294.2	294.2	296.3
32.5°	322.6	316.5	314.5	314.5	312.4	311.4	310.4	312.4	313.5	312.4
35°	347.8	339.7	337.7	336.7	335.7	335.7	336.7	336.7	336.7	336.7
37.5°	379.2	368.1	366.0	365.0	365.0	365.0	364.0	365.0	368.1	369.1
40°	393.3	386.3	389.3	394.4	397.4	397.4	396.4	398.4	401.4	401.4
42.5°	318.5	303.3	314.5	334.7	347.8	364.0	367.0	377.2	385.2	385.2
45°	258.9	196.2	200.2	213.4	219.4	233.6	241.7	250.8	255.8	248.7
47.5°	291.2	126.4	104.1	108.2	93.0	112.2	125.4	139.5	142.6	145.6
50°	457.0	130.4	88.0	63.7	42.5	56.6	59.7	67.7	65.7	66.7
52.5°	555.1	149.7	88.0	56.6	35.4	37.4	34.4	38.4	40.4	44.5
55°	622.9	180.0	114.3	71.8	41.5	25.3	17.2	13.1	12.1	12.1
57.5°	655.2	220.4	148.6	102.1	64.7	35.4	15.2	11.1	10.1	9.1
60°	685.6	263.9	188.1	139.5	102.1	62.7	28.3	11.1	9.1	9.1
62.5°	712.9	307.4	227.5	181.0	143.6	98.1	52.6	19.2	10.1	10.1
65°	735.1	316.5	230.5	196.2	154.7	115.3	68.8	23.3	11.1	11.1
67.5°	741.2	301.3	222.5	180.0	144.6	98.1	53.6	19.2	13.1	12.1
70°	700.7	286.2	223.5	170.9	130.4	87.0	35.4	22.2	17.2	16.2
72.5°	634.0	264.9	212.3	165.8	125.4	88.0	41.5	36.4	32.4	30.3
75°	558.2	239.6	196.2	158.8	121.3	84.9	48.5	45.5	41.5	40.4
77.5°	447.9	199.2	164.8	134.5	102.1	67.7	40.4	38.4	33.4	33.4
80°	294.2	148.6	124.4	103.1	77.9	47.5	30.3	27.3	24.3	23.3
82.5°	120.3	87.0	74.8	64.7	50.6	30.3	20.2	17.2	14.2	13.1
85°	58.6	43.5	37.4	30.3	25.3	17.2	13.1	11.1	8.1	8.1
87.5°	47.5	34.4	28.3	23.3	17.2	12.1	9.1	7.1	5.1	4.0
90°	43.5	30.3	24.3	19.2	14.2	10.1	6.1	5.1	3.0	2.0
92.5°	39.4	26.3	21.2	15.2	11.1	8.1	4.0	3.0	2.0	2.0
95°	32.4	20.2	16.2	12.1	9.1	6.1	4.0	2.0	1.0	1.0
97.5°	23.3	15.2	12.1	9.1	7.1	4.0	3.0	2.0	1.0	1.0
100°	16.2	10.1	9.1	7.1	5.1	3.0	2.0	1.0	1.0	1.0
102.5°	8.1	6.1	6.1	5.1	4.0	3.0	1.0	1.0	0.0	0.0
105°	5.1	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
107.5°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
110°	3.0	2.0	2.0	2.0	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°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
115°	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
117.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	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)