

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: P691191

Luminaire Tested: **CRTK2-C013-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691191
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-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 1698 lumens
Efficiency: N/A
Efficacy: 83.2 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

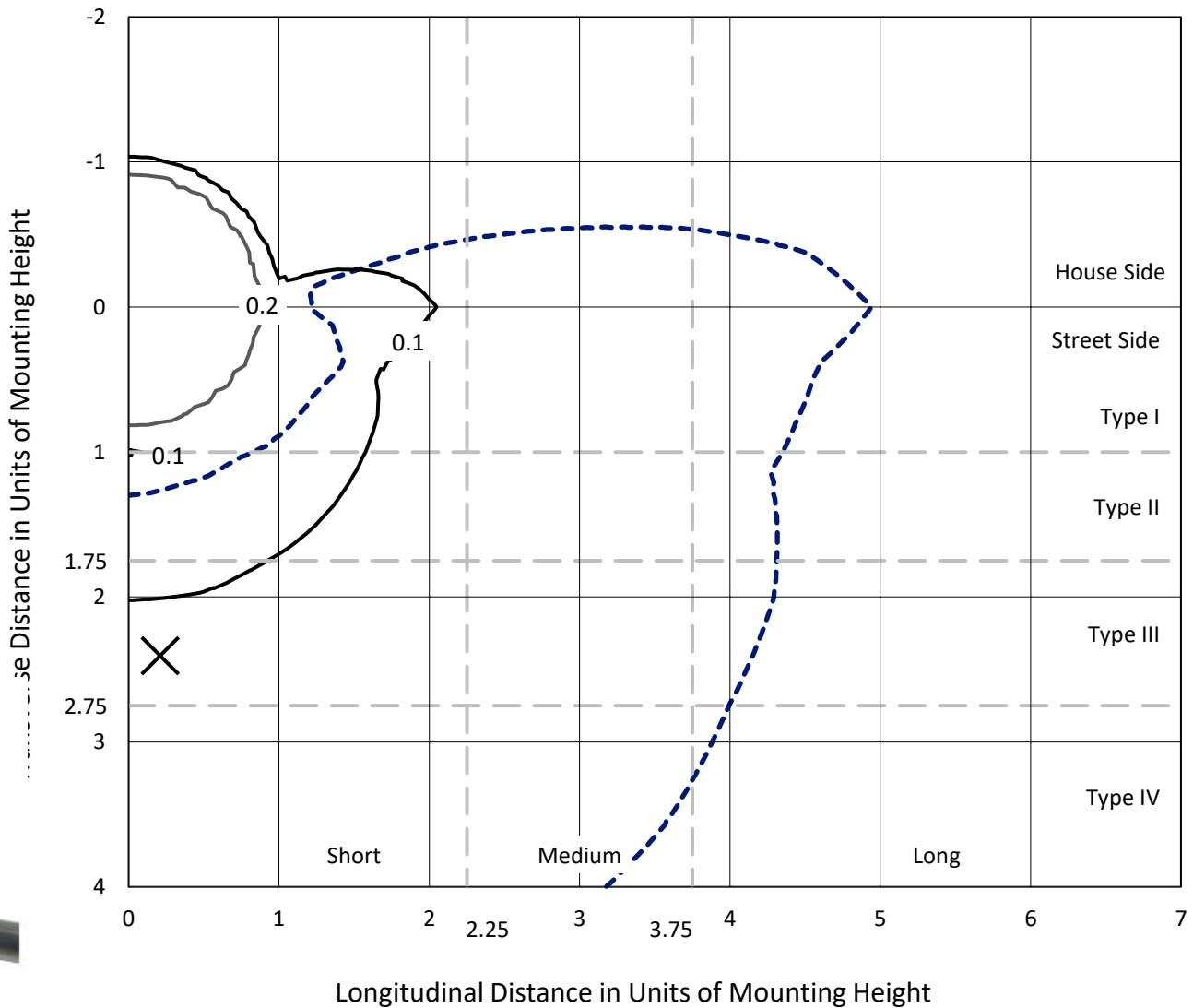


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

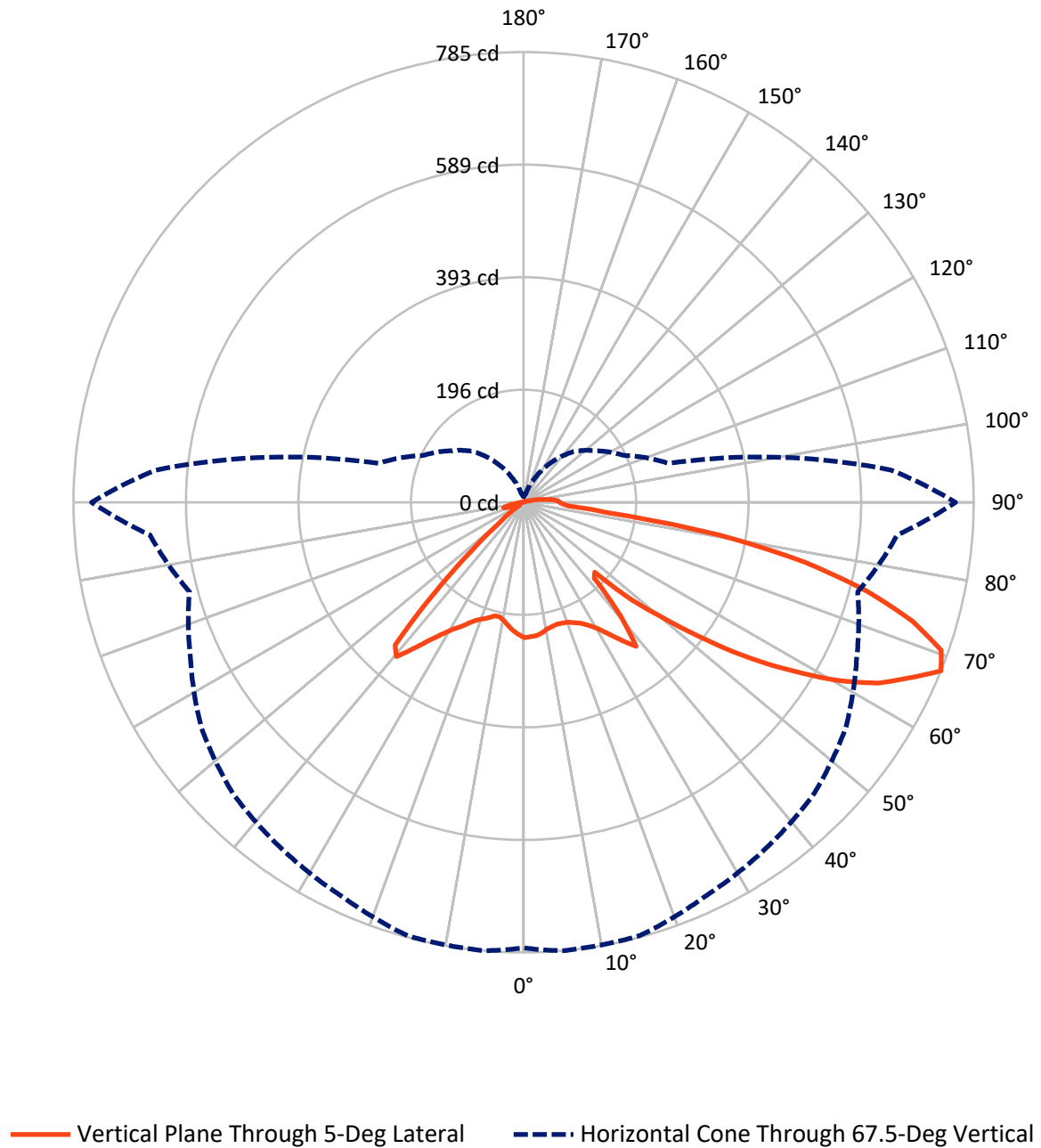


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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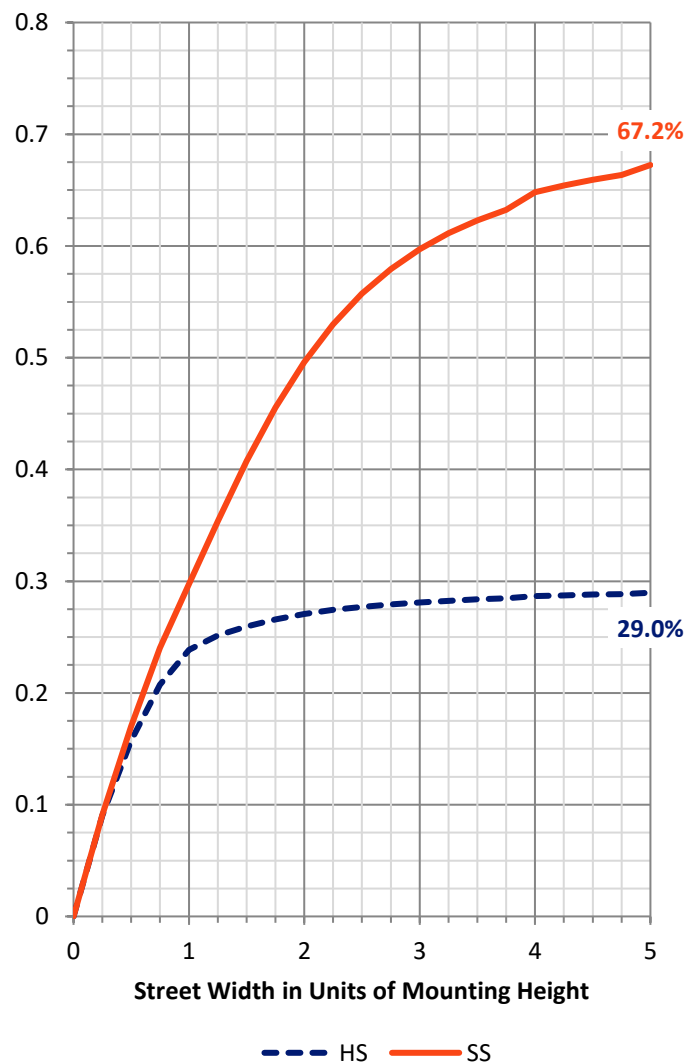
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.6	7.5	505.1
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1163.6	29.2	1192.9
	% Fixture	68.5	1.7	70.3
Total	Lumens	1661.3	36.7	1698.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	1.3
10°-20°	63.0	3.7
20°-30°	111.9	6.6
30°-40°	187.2	11.0
40°-50°	170.9	10.1
50°-60°	253.7	14.9
60°-70°	416.2	24.5
70°-80°	357.2	21.0
80°-90°	79.2	4.7
90°-100°	26.7	1.6
100°-110°	6.6	0.4
110°-120°	2.1	0.1
120°-130°	1.2	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°	1661.3	97.8
0°-180°	1698.0	100.0

Coefficient of Utilization



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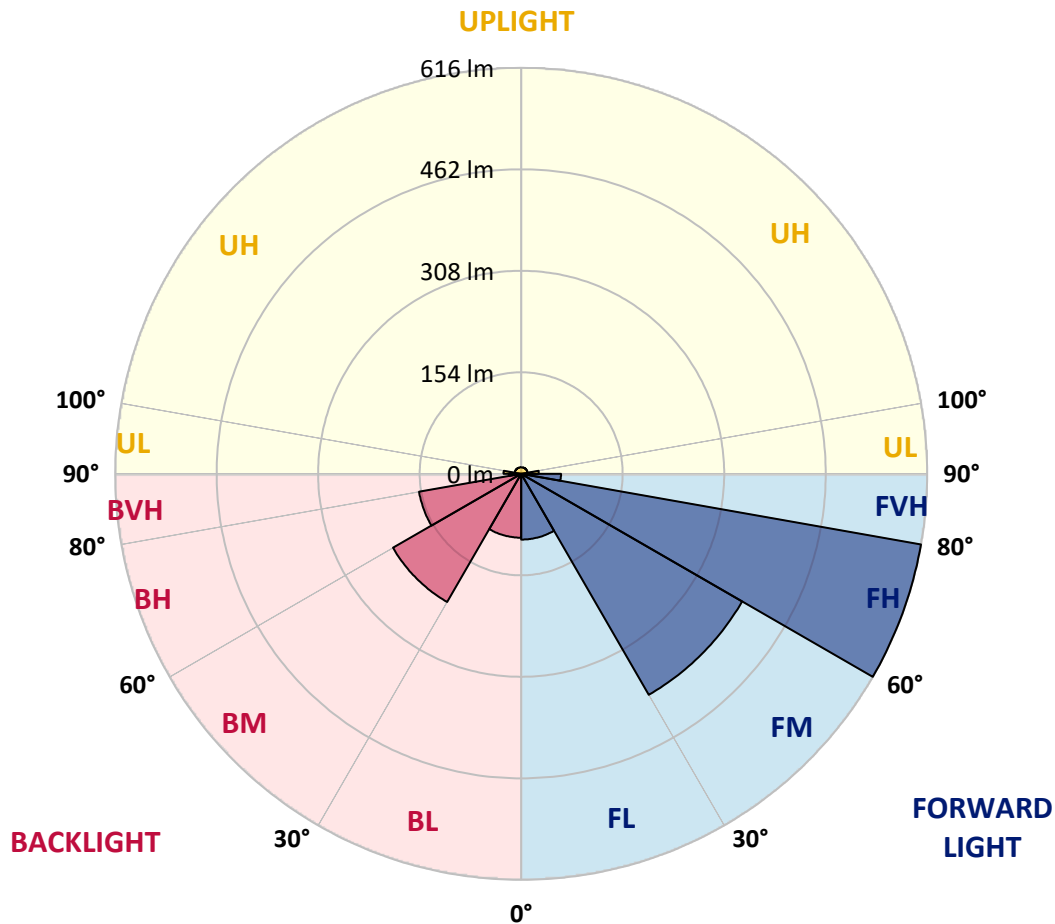
CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.8	5.9			
FM	(30°-60°)	387.3	22.8			
FH	(60°-80°)	616.2	36.3			G0/660
FVH	(80°-90°)	60.4	3.6			G1/100
BL	(0°-30°)	96.9	5.7	B0/110		
BM	(30°-60°)	224.6	13.2	B1/1000		
BH	(60°-80°)	157.3	9.3	B1/500		G1/500
BVH	(80°-90°)	18.8	1.1			G1/100
UL	(90°-100°)	26.7	1.6		U2/50	
UH	(100°-180°)	10.0	0.6		U1/10	

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°	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2
2.5°	234.5	234.5	234.5	235.4	236.2	235.4	234.5	233.6	232.7	233.6	233.6
5°	233.6	233.6	234.5	234.5	235.4	236.2	235.4	234.5	233.6	233.6	233.6
7.5°	229.2	230.1	230.1	231.0	231.9	233.6	233.6	231.9	231.9	231.9	231.9
10°	224.8	224.8	225.7	226.6	227.5	229.2	229.2	227.5	228.3	229.2	229.2
12.5°	222.2	222.2	223.1	224.8	225.7	226.6	227.5	227.5	228.3	227.5	228.3
15°	220.4	220.4	220.4	223.1	225.7	226.6	228.3	229.2	230.1	230.1	230.1
17.5°	221.3	221.3	221.3	224.8	226.6	229.2	231.0	231.9	231.9	232.7	232.7
20°	223.1	223.1	223.9	226.6	230.1	232.7	234.5	235.4	235.4	237.1	237.1
22.5°	226.6	228.3	227.5	230.1	232.7	236.2	238.9	240.6	240.6	242.4	242.4
25°	234.5	233.6	234.5	237.1	239.8	242.4	244.1	246.8	247.7	249.4	249.4
27.5°	243.3	243.3	243.3	245.9	247.7	250.3	252.1	253.8	255.6	258.2	259.1
30°	256.4	255.6	254.7	257.3	259.1	261.7	263.5	264.3	264.3	266.1	267.9
32.5°	274.0	274.0	274.0	275.8	276.6	279.3	280.2	281.0	280.2	282.8	283.7
35°	296.0	296.0	296.8	298.6	301.2	303.0	303.9	303.0	303.9	305.6	307.4
37.5°	317.9	318.8	321.4	324.1	325.8	329.3	332.0	332.0	332.8	338.1	338.1
40°	257.3	260.0	262.6	268.7	276.6	287.2	304.7	311.8	332.0	342.5	345.1
42.5°	174.8	180.9	187.9	195.8	202.0	202.9	219.6	229.2	249.4	268.7	274.0
45°	166.9	173.9	180.9	175.6	180.0	166.0	182.7	184.4	194.1	209.0	248.5
47.5°	245.0	254.7	264.3	251.2	253.8	223.1	229.2	222.2	200.2	224.8	290.7
50°	319.7	318.8	332.8	326.7	333.7	300.4	303.0	288.9	254.7	288.9	382.9
52.5°	391.7	398.7	413.6	411.9	417.2	374.1	366.2	353.9	300.4	353.0	463.7
55°	475.1	480.4	494.4	490.1	487.4	444.4	430.3	418.0	366.2	434.7	549.8
57.5°	553.3	555.9	572.6	557.7	548.9	516.4	497.1	476.9	425.9	509.4	609.5
60°	627.9	631.4	641.1	620.9	606.9	581.4	557.7	535.7	488.3	576.1	664.8
62.5°	698.2	694.7	699.1	673.6	663.9	641.1	615.6	588.4	547.1	628.8	718.4
65°	738.6	738.6	743.9	711.4	696.4	682.4	654.3	622.7	584.9	654.3	751.8
67.5°	777.2	785.1	782.5	756.2	736.8	717.5	685.9	641.1	603.3	654.3	753.5
70°	763.2	772.8	762.3	741.2	721.9	699.1	670.1	626.2	584.0	622.7	713.1
72.5°	702.6	709.6	705.2	686.8	663.1	648.1	617.4	584.0	534.8	568.2	647.3
75°	620.0	618.3	626.2	605.1	584.9	570.8	541.0	519.9	474.2	498.8	574.4
77.5°	499.7	500.6	517.3	493.6	477.8	468.1	440.9	423.3	382.0	404.0	461.9
80°	335.5	345.1	361.0	335.5	332.8	319.7	296.8	285.4	253.8	264.3	295.1
82.5°	139.6	144.0	149.3	141.4	138.8	134.4	124.7	121.2	108.9	114.2	114.2
85°	78.2	77.3	79.9	79.9	78.2	74.6	71.1	65.0	59.7	58.8	54.5
87.5°	65.9	66.7	68.5	68.5	65.0	62.4	58.0	53.6	49.2	46.5	42.2
90°	61.5	62.4	63.2	60.6	57.1	54.5	50.9	47.4	43.9	42.2	37.8
92.5°	58.8	58.8	58.8	55.3	51.8	49.2	46.5	43.0	40.4	38.6	35.1
95°	49.2	48.3	47.4	45.7	42.2	39.5	37.8	34.3	32.5	30.7	29.0
97.5°	36.9	36.0	35.1	34.3	30.7	29.0	28.1	26.3	24.6	22.0	21.1
100°	26.3	25.5	25.5	24.6	22.8	21.1	20.2	18.4	16.7	14.9	14.1
102.5°	17.6	16.7	16.7	15.8	14.9	14.1	12.3	11.4	9.7	8.8	7.9
105°	9.7	9.7	9.7	8.8	8.8	7.9	7.0	6.1	5.3	5.3	4.4
107.5°	7.0	7.0	7.0	7.0	6.1	6.1	5.3	4.4	4.4	3.5	3.5
110°	5.3	5.3	5.3	5.3	5.3	4.4	4.4	3.5	3.5	2.6	2.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.5	2.6	2.6	2.6
115°	4.4	4.4	4.4	4.4	3.5	3.5	2.6	2.6	2.6	2.6	1.8
117.5°	3.5	3.5	3.5	3.5	3.5	2.6	2.6	2.6	2.6	1.8	2.6
120°	3.5	3.5	3.5	3.5	2.6	2.6	2.6	1.8	1.8	1.8	1.8
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8	1.8	1.8	1.8
125°	2.6	2.6	2.6	2.6	2.6	1.8	1.8	1.8	1.8	1.8	1.8
127.5°	2.6	2.6	1.8	2.6	1.8	1.8	1.8	1.8	1.8	0.9	1.8
130°	2.6	2.6	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2	236.2
2.5°	234.5	234.5	235.4	234.5	234.5	232.7	231.9	231.0	231.0	231.0
5°	233.6	233.6	232.7	231.0	230.1	228.3	226.6	225.7	224.8	225.7
7.5°	231.9	230.1	228.3	224.8	222.2	221.3	217.8	216.9	216.9	216.9
10°	228.3	226.6	222.2	217.8	216.0	213.4	210.8	208.1	209.0	209.9
12.5°	227.5	223.1	219.6	215.2	212.5	208.1	207.3	204.6	203.7	203.7
15°	228.3	224.8	220.4	216.9	213.4	211.7	208.1	207.3	204.6	206.4
17.5°	231.9	226.6	223.1	219.6	216.0	214.3	211.7	209.9	210.8	210.8
20°	235.4	230.1	226.6	223.9	220.4	217.8	216.9	215.2	216.0	214.3
22.5°	240.6	235.4	232.7	229.2	226.6	224.8	223.1	223.9	222.2	223.1
25°	247.7	243.3	239.8	237.1	234.5	232.7	232.7	232.7	231.9	232.7
27.5°	257.3	252.9	250.3	248.5	245.9	244.1	242.4	243.3	244.1	243.3
30°	266.1	260.8	260.0	258.2	256.4	255.6	255.6	255.6	255.6	257.3
32.5°	280.2	274.9	273.1	273.1	271.4	270.5	269.6	271.4	272.3	271.4
35°	302.1	295.1	293.3	292.5	291.6	291.6	292.5	292.5	292.5	292.5
37.5°	329.3	319.7	317.9	317.0	317.0	317.0	316.2	317.0	319.7	320.6
40°	341.6	335.5	338.1	342.5	345.1	345.1	344.3	346.0	348.7	348.7
42.5°	276.6	263.5	273.1	290.7	302.1	316.2	318.8	327.6	334.6	334.6
45°	224.8	170.4	173.9	185.3	190.6	202.9	209.9	217.8	222.2	216.0
47.5°	252.9	109.8	90.5	94.0	80.8	97.5	108.9	121.2	123.8	126.5
50°	397.0	113.3	76.4	55.3	36.9	49.2	51.8	58.8	57.1	58.0
52.5°	482.1	130.0	76.4	49.2	30.7	32.5	29.9	33.4	35.1	38.6
55°	541.0	156.3	99.2	62.4	36.0	22.0	14.9	11.4	10.5	10.5
57.5°	569.1	191.5	129.1	88.7	56.2	30.7	13.2	9.7	8.8	7.9
60°	595.4	229.2	163.4	121.2	88.7	54.5	24.6	9.7	7.9	7.9
62.5°	619.2	267.0	197.6	157.2	124.7	85.2	45.7	16.7	8.8	8.8
65°	638.5	274.9	200.2	170.4	134.4	100.1	59.7	20.2	9.7	9.7
67.5°	643.7	261.7	193.2	156.3	125.6	85.2	46.5	16.7	11.4	10.5
70°	608.6	248.5	194.1	148.4	113.3	75.5	30.7	19.3	14.9	14.1
72.5°	550.7	230.1	184.4	144.0	108.9	76.4	36.0	31.6	28.1	26.3
75°	484.8	208.1	170.4	137.9	105.4	73.8	42.2	39.5	36.0	35.1
77.5°	389.1	173.0	143.2	116.8	88.7	58.8	35.1	33.4	29.0	29.0
80°	255.6	129.1	108.0	89.6	67.6	41.3	26.3	23.7	21.1	20.2
82.5°	104.5	75.5	65.0	56.2	43.9	26.3	17.6	14.9	12.3	11.4
85°	50.9	37.8	32.5	26.3	22.0	14.9	11.4	9.7	7.0	7.0
87.5°	41.3	29.9	24.6	20.2	14.9	10.5	7.9	6.1	4.4	3.5
90°	37.8	26.3	21.1	16.7	12.3	8.8	5.3	4.4	2.6	1.8
92.5°	34.3	22.8	18.4	13.2	9.7	7.0	3.5	2.6	1.8	1.8
95°	28.1	17.6	14.1	10.5	7.9	5.3	3.5	1.8	0.9	0.9
97.5°	20.2	13.2	10.5	7.9	6.1	3.5	2.6	1.8	0.9	0.9
100°	14.1	8.8	7.9	6.1	4.4	2.6	1.8	0.9	0.9	0.9
102.5°	7.0	5.3	5.3	4.4	3.5	2.6	0.9	0.9	0.0	0.0
105°	4.4	3.5	3.5	2.6	1.8	1.8	0.9	0.9	0.0	0.0
107.5°	2.6	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0	0.0
110°	2.6	1.8	1.8	1.8	0.9	0.9	0.9	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°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
115°	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
117.5°	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
120°	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
122.5°	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
125°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	0.9	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)