

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: P691099

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691099
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-C013-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 2006 lumens
Efficiency: N/A
Efficacy: 86.5 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): 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

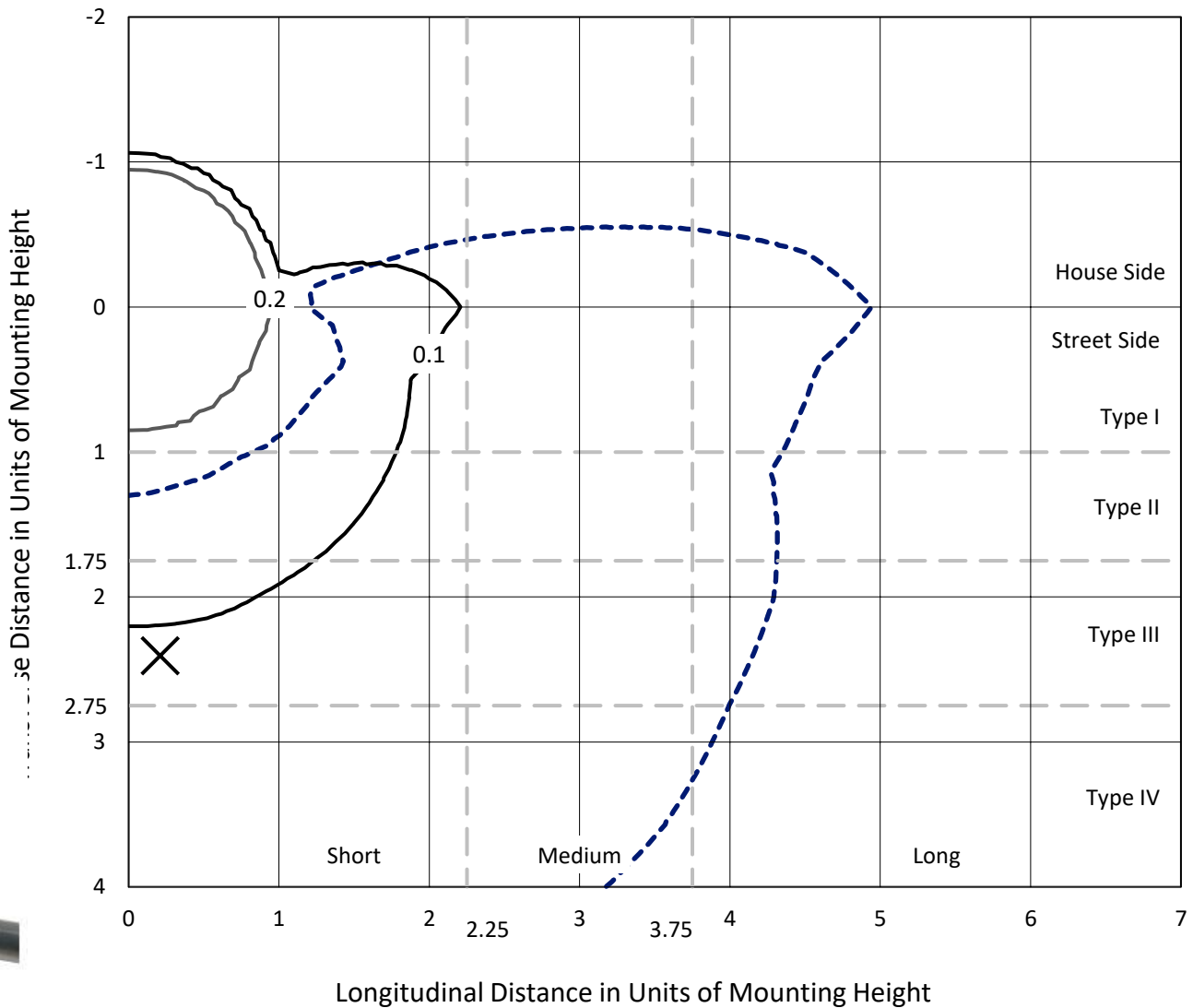


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

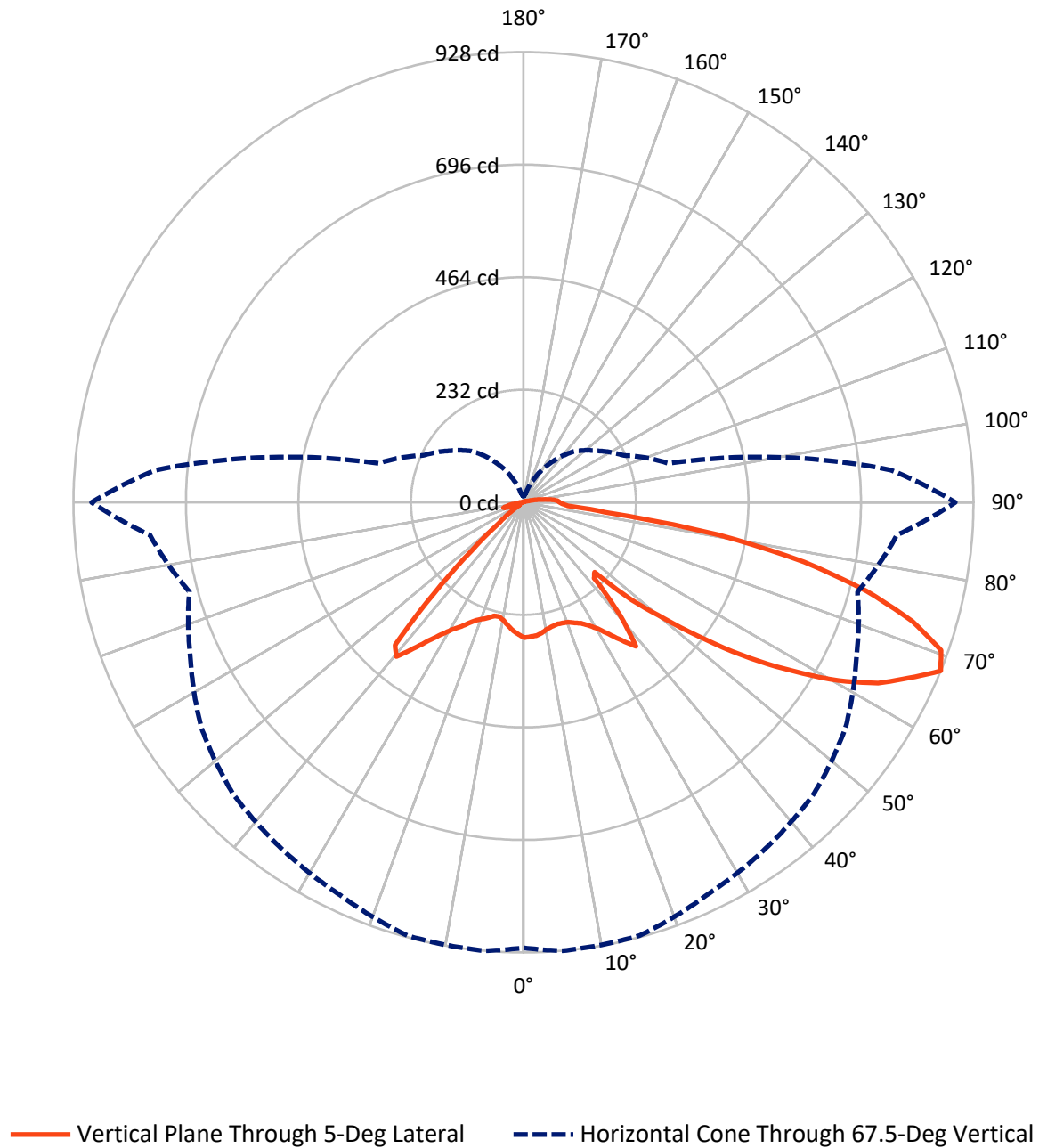


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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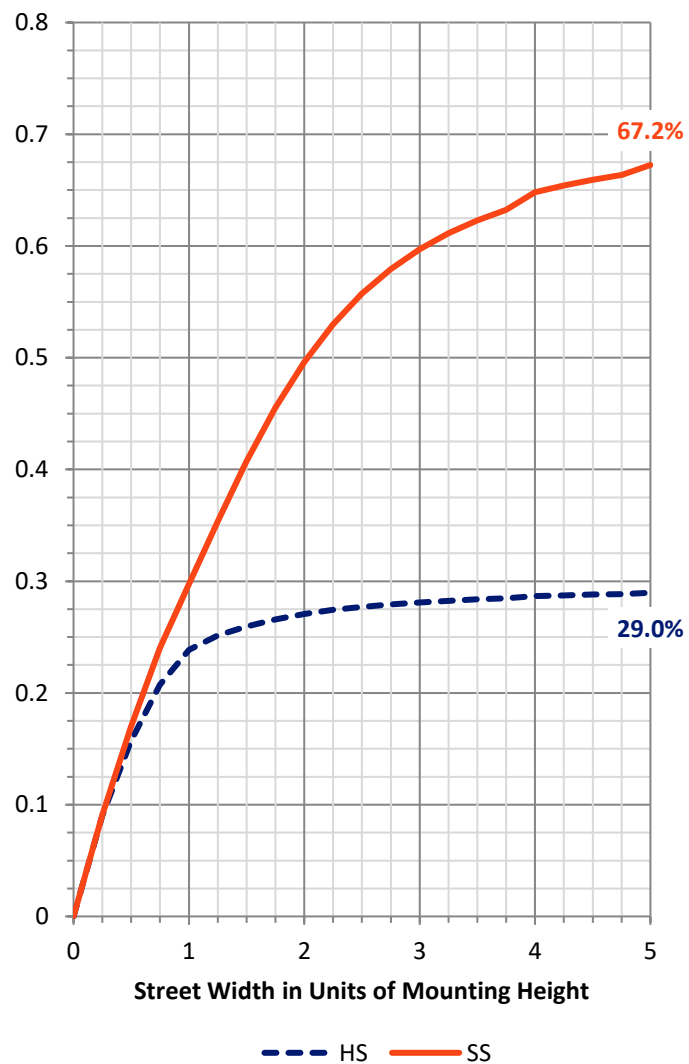
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.9	8.8	596.7
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1374.7	34.6	1409.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	1962.6	43.4	2006.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	1.3
10°-20°	74.4	3.7
20°-30°	132.2	6.6
30°-40°	221.1	11.0
40°-50°	201.9	10.1
50°-60°	299.7	14.9
60°-70°	491.7	24.5
70°-80°	422.0	21.0
80°-90°	93.6	4.7
90°-100°	31.6	1.6
100°-110°	7.8	0.4
110°-120°	2.5	0.1
120°-130°	1.4	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°	1962.6	97.8
0°-180°	2006.0	100.0

Coefficient of Utilization



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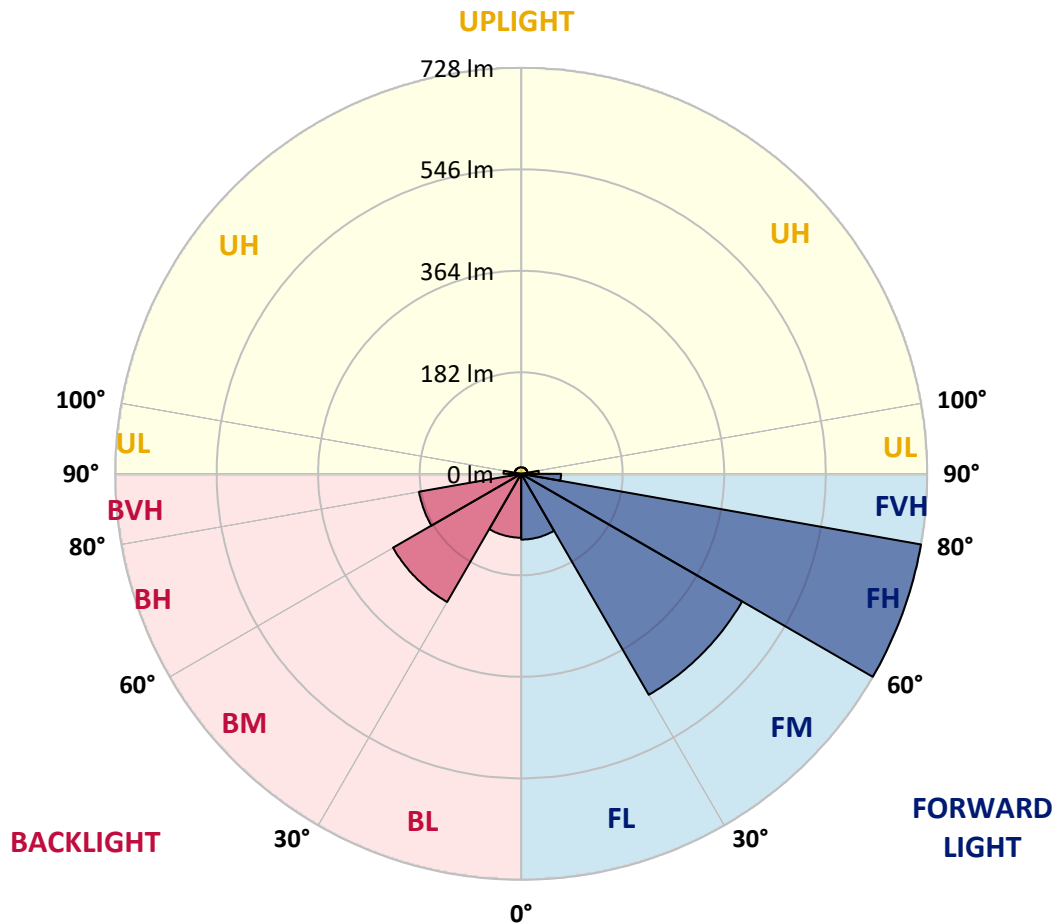
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.9	5.9			
FM	(30°-60°)	457.5	22.8			
FH	(60°-80°)	727.9	36.3			G1/1800
FVH	(80°-90°)	71.4	3.6			G1/100
BL	(0°-30°)	114.5	5.7	B1/500		
BM	(30°-60°)	265.3	13.2	B1/1000		
BH	(60°-80°)	185.8	9.3	B1/500		G1/500
BVH	(80°-90°)	22.2	1.1			G1/100
UL	(90°-100°)	31.6	1.6		U2/50	
UH	(100°-180°)	11.8	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°	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1
2.5°	277.0	277.0	277.0	278.1	279.1	278.1	277.0	276.0	274.9	276.0	276.0
5°	276.0	276.0	277.0	277.0	278.1	279.1	278.1	277.0	276.0	276.0	276.0
7.5°	270.8	271.8	271.8	272.9	273.9	276.0	276.0	273.9	273.9	273.9	273.9
10°	265.6	265.6	266.6	267.7	268.7	270.8	270.8	268.7	269.8	270.8	270.8
12.5°	262.5	262.5	263.5	265.6	266.6	267.7	268.7	268.7	269.8	268.7	269.8
15°	260.4	260.4	260.4	263.5	266.6	267.7	269.8	270.8	271.8	271.8	271.8
17.5°	261.5	261.5	261.5	265.6	267.7	270.8	272.9	273.9	273.9	274.9	274.9
20°	263.5	263.5	264.6	267.7	271.8	274.9	277.0	278.1	278.1	280.1	280.1
22.5°	267.7	269.8	268.7	271.8	274.9	279.1	282.2	284.3	284.3	286.4	286.4
25°	277.0	276.0	277.0	280.1	283.2	286.4	288.4	291.5	292.6	294.7	294.7
27.5°	287.4	287.4	287.4	290.5	292.6	295.7	297.8	299.8	301.9	305.0	306.1
30°	303.0	301.9	300.9	304.0	306.1	309.2	311.3	312.3	312.3	314.4	316.4
32.5°	323.7	323.7	323.7	325.8	326.8	329.9	331.0	332.0	331.0	334.1	335.1
35°	349.6	349.6	350.7	352.8	355.9	357.9	359.0	357.9	359.0	361.1	363.1
37.5°	375.6	376.6	379.7	382.8	384.9	389.1	392.2	392.2	393.2	399.5	399.5
40°	304.0	307.1	310.2	317.5	326.8	339.3	360.0	368.3	392.2	404.6	407.8
42.5°	206.5	213.7	222.0	231.4	238.6	239.7	259.4	270.8	294.7	317.5	323.7
45°	197.1	205.4	213.7	207.5	212.7	196.1	215.8	217.9	229.3	246.9	293.6
47.5°	289.5	300.9	312.3	296.7	299.8	263.5	270.8	262.5	236.6	265.6	343.4
50°	377.7	376.6	393.2	386.0	394.3	354.8	357.9	341.3	300.9	341.3	452.4
52.5°	462.7	471.0	488.7	486.6	492.8	442.0	432.7	418.1	354.8	417.1	547.8
55°	561.3	567.5	584.1	578.9	575.8	525.0	508.4	493.9	432.7	513.6	649.5
57.5°	653.6	656.8	676.5	658.8	648.5	610.1	587.2	563.4	503.2	601.8	720.0
60°	741.8	746.0	757.4	733.5	716.9	686.8	658.8	632.9	576.9	680.6	785.4
62.5°	824.8	820.7	825.9	795.8	784.4	757.4	727.3	695.1	646.4	742.9	848.7
65°	872.6	872.6	878.8	840.4	822.8	806.2	773.0	735.6	691.0	773.0	888.1
67.5°	918.2	927.6	924.4	893.3	870.5	847.7	810.3	757.4	712.8	773.0	890.2
70°	901.6	913.0	900.6	875.7	852.9	825.9	791.6	739.8	690.0	735.6	842.5
72.5°	830.0	838.3	833.1	811.4	783.3	765.7	729.4	690.0	631.9	671.3	764.7
75°	732.5	730.4	739.8	714.9	691.0	674.4	639.1	614.2	560.3	589.3	678.5
77.5°	590.4	591.4	611.1	583.1	564.4	553.0	520.8	500.1	451.3	477.3	545.7
80°	396.3	407.8	426.4	396.3	393.2	377.7	350.7	337.2	299.8	312.3	348.6
82.5°	165.0	170.2	176.4	167.0	163.9	158.7	147.3	143.2	128.7	134.9	134.9
85°	92.3	91.3	94.4	94.4	92.3	88.2	84.0	76.8	70.6	69.5	64.3
87.5°	77.8	78.9	80.9	80.9	76.8	73.7	68.5	63.3	58.1	55.0	49.8
90°	72.6	73.7	74.7	71.6	67.4	64.3	60.2	56.0	51.9	49.8	44.6
92.5°	69.5	69.5	69.5	65.4	61.2	58.1	55.0	50.8	47.7	45.7	41.5
95°	58.1	57.1	56.0	54.0	49.8	46.7	44.6	40.5	38.4	36.3	34.2
97.5°	43.6	42.5	41.5	40.5	36.3	34.2	33.2	31.1	29.1	25.9	24.9
100°	31.1	30.1	30.1	29.1	27.0	24.9	23.9	21.8	19.7	17.6	16.6
102.5°	20.8	19.7	19.7	18.7	17.6	16.6	14.5	13.5	11.4	10.4	9.3
105°	11.4	11.4	11.4	10.4	10.4	9.3	8.3	7.3	6.2	6.2	5.2
107.5°	8.3	8.3	8.3	8.3	7.3	7.3	6.2	5.2	5.2	4.2	4.2
110°	6.2	6.2	6.2	6.2	6.2	5.2	5.2	4.2	4.2	3.1	3.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2	3.1	3.1	3.1
115°	5.2	5.2	5.2	5.2	4.2	4.2	3.1	3.1	3.1	3.1	2.1
117.5°	4.2	4.2	4.2	4.2	4.2	3.1	3.1	3.1	3.1	2.1	3.1
120°	4.2	4.2	4.2	4.2	3.1	3.1	3.1	2.1	2.1	2.1	2.1
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1
125°	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1
127.5°	3.1	3.1	2.1	3.1	2.1	2.1	2.1	2.1	2.1	1.0	2.1
130°	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1
2.5°	277.0	277.0	278.1	277.0	277.0	274.9	273.9	272.9	272.9	272.9
5°	276.0	276.0	274.9	272.9	271.8	269.8	267.7	266.6	265.6	266.6
7.5°	273.9	271.8	269.8	265.6	262.5	261.5	257.3	256.3	256.3	256.3
10°	269.8	267.7	262.5	257.3	255.2	252.1	249.0	245.9	246.9	248.0
12.5°	268.7	263.5	259.4	254.2	251.1	245.9	244.9	241.7	240.7	240.7
15°	269.8	265.6	260.4	256.3	252.1	250.0	245.9	244.9	241.7	243.8
17.5°	273.9	267.7	263.5	259.4	255.2	253.2	250.0	248.0	249.0	249.0
20°	278.1	271.8	267.7	264.6	260.4	257.3	256.3	254.2	255.2	253.2
22.5°	284.3	278.1	274.9	270.8	267.7	265.6	263.5	264.6	262.5	263.5
25°	292.6	287.4	283.2	280.1	277.0	274.9	274.9	274.9	273.9	274.9
27.5°	304.0	298.8	295.7	293.6	290.5	288.4	286.4	287.4	288.4	287.4
30°	314.4	308.1	307.1	305.0	303.0	301.9	301.9	301.9	301.9	304.0
32.5°	331.0	324.7	322.7	322.7	320.6	319.6	318.5	320.6	321.6	320.6
35°	356.9	348.6	346.5	345.5	344.5	344.5	345.5	345.5	345.5	345.5
37.5°	389.1	377.7	375.6	374.5	374.5	374.5	373.5	374.5	377.7	378.7
40°	403.6	396.3	399.5	404.6	407.8	407.8	406.7	408.8	411.9	411.9
42.5°	326.8	311.3	322.7	343.4	356.9	373.5	376.6	387.0	395.3	395.3
45°	265.6	201.3	205.4	218.9	225.1	239.7	248.0	257.3	262.5	255.2
47.5°	298.8	129.7	106.9	111.0	95.5	115.2	128.7	143.2	146.3	149.4
50°	469.0	133.8	90.3	65.4	43.6	58.1	61.2	69.5	67.4	68.5
52.5°	569.6	153.6	90.3	58.1	36.3	38.4	35.3	39.4	41.5	45.7
55°	639.1	184.7	117.2	73.7	42.5	25.9	17.6	13.5	12.5	12.5
57.5°	672.3	226.2	152.5	104.8	66.4	36.3	15.6	11.4	10.4	9.3
60°	703.4	270.8	193.0	143.2	104.8	64.3	29.1	11.4	9.3	9.3
62.5°	731.5	315.4	233.4	185.7	147.3	100.6	54.0	19.7	10.4	10.4
65°	754.3	324.7	236.6	201.3	158.7	118.3	70.6	23.9	11.4	11.4
67.5°	760.5	309.2	228.3	184.7	148.4	100.6	55.0	19.7	13.5	12.5
70°	719.0	293.6	229.3	175.3	133.8	89.2	36.3	22.8	17.6	16.6
72.5°	650.5	271.8	217.9	170.2	128.7	90.3	42.5	37.4	33.2	31.1
75°	572.7	245.9	201.3	162.9	124.5	87.2	49.8	46.7	42.5	41.5
77.5°	459.6	204.4	169.1	138.0	104.8	69.5	41.5	39.4	34.2	34.2
80°	301.9	152.5	127.6	105.8	79.9	48.8	31.1	28.0	24.9	23.9
82.5°	123.5	89.2	76.8	66.4	51.9	31.1	20.8	17.6	14.5	13.5
85°	60.2	44.6	38.4	31.1	25.9	17.6	13.5	11.4	8.3	8.3
87.5°	48.8	35.3	29.1	23.9	17.6	12.5	9.3	7.3	5.2	4.2
90°	44.6	31.1	24.9	19.7	14.5	10.4	6.2	5.2	3.1	2.1
92.5°	40.5	27.0	21.8	15.6	11.4	8.3	4.2	3.1	2.1	2.1
95°	33.2	20.8	16.6	12.5	9.3	6.2	4.2	2.1	1.0	1.0
97.5°	23.9	15.6	12.5	9.3	7.3	4.2	3.1	2.1	1.0	1.0
100°	16.6	10.4	9.3	7.3	5.2	3.1	2.1	1.0	1.0	1.0
102.5°	8.3	6.2	6.2	5.2	4.2	3.1	1.0	1.0	0.0	0.0
105°	5.2	4.2	4.2	3.1	2.1	2.1	1.0	1.0	0.0	0.0
107.5°	3.1	3.1	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
110°	3.1	2.1	2.1	2.1	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°	2.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0
115°	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
117.5°	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.1	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)