

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: P691078

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691078
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-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 2218 lumens
Efficiency: N/A
Efficacy: 95.6 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

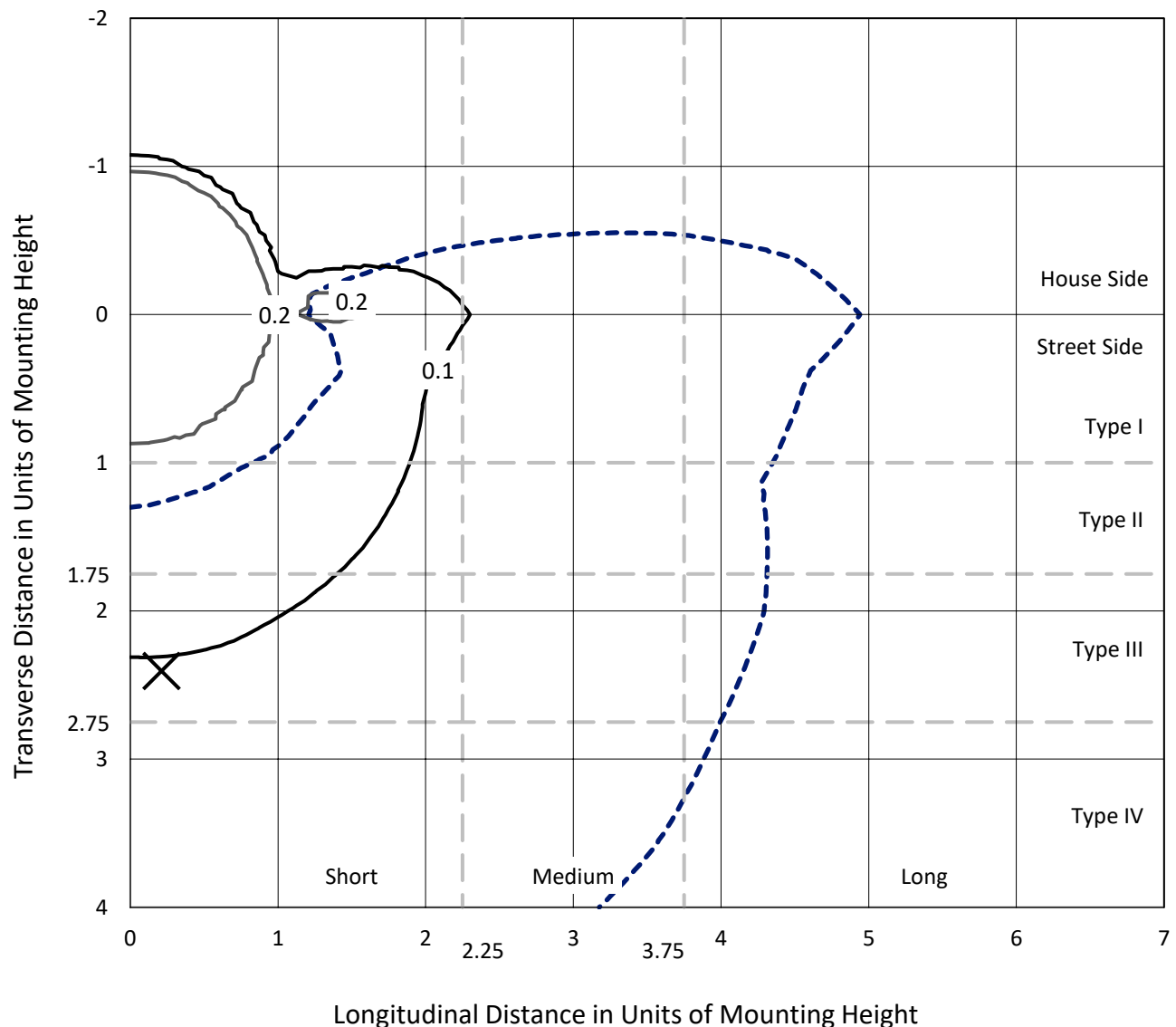


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

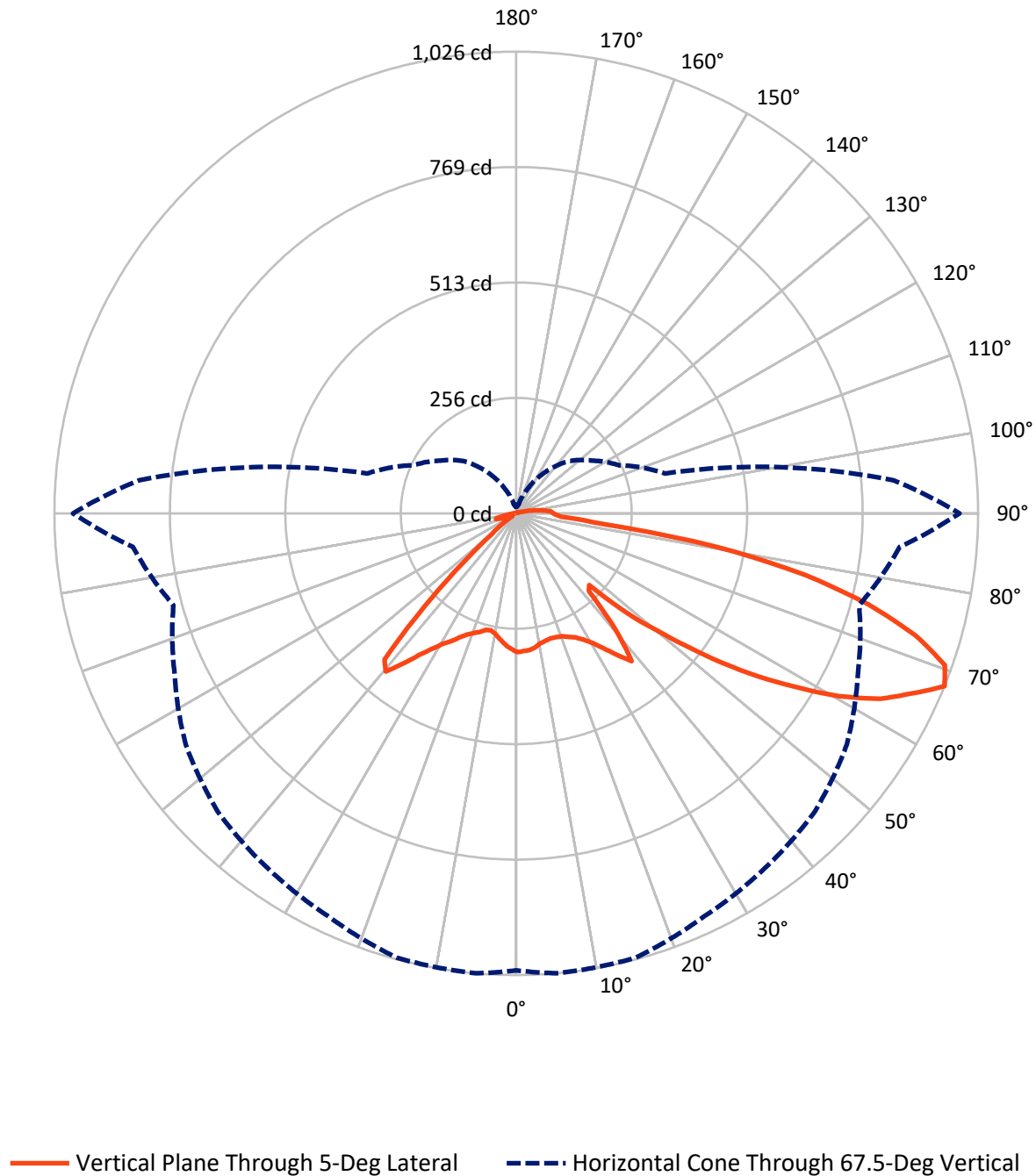


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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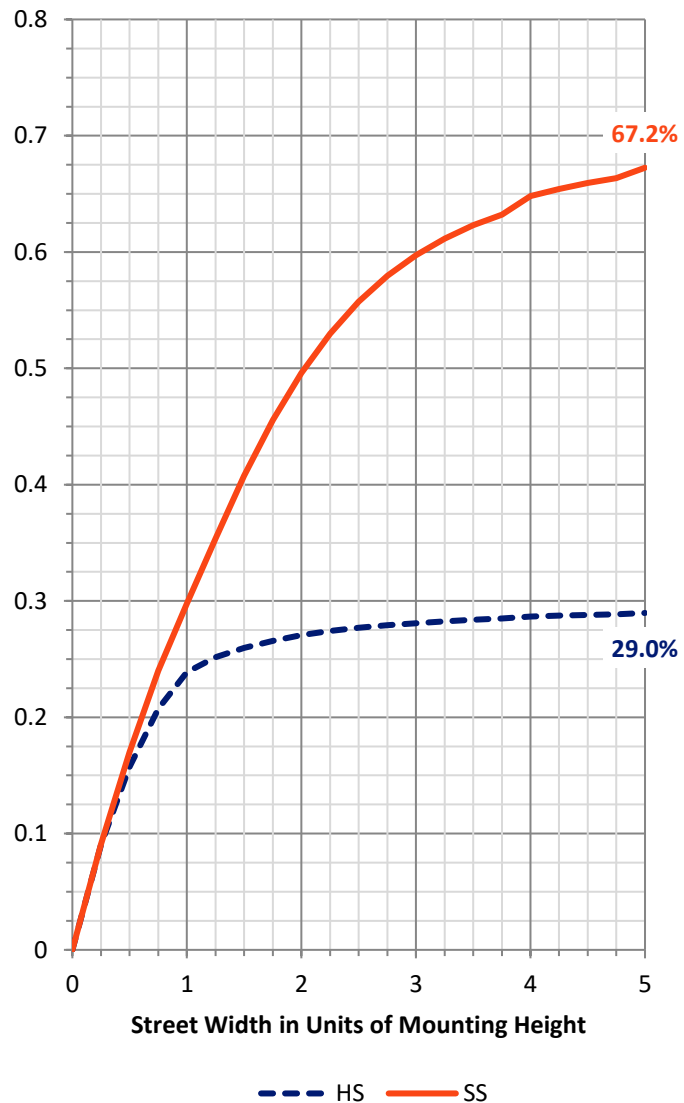
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.0	9.7	659.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1520.0	38.2	1558.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	2170.0	47.9	2218.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.3
10°-20°	82.3	3.7
20°-30°	146.2	6.6
30°-40°	244.5	11.0
40°-50°	223.3	10.1
50°-60°	331.4	14.9
60°-70°	543.7	24.5
70°-80°	466.6	21.0
80°-90°	103.5	4.7
90°-100°	34.9	1.6
100°-110°	8.6	0.4
110°-120°	2.7	0.1
120°-130°	1.5	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°	2170.0	97.8
0°-180°	2218.0	100.0

Coefficient of Utilization



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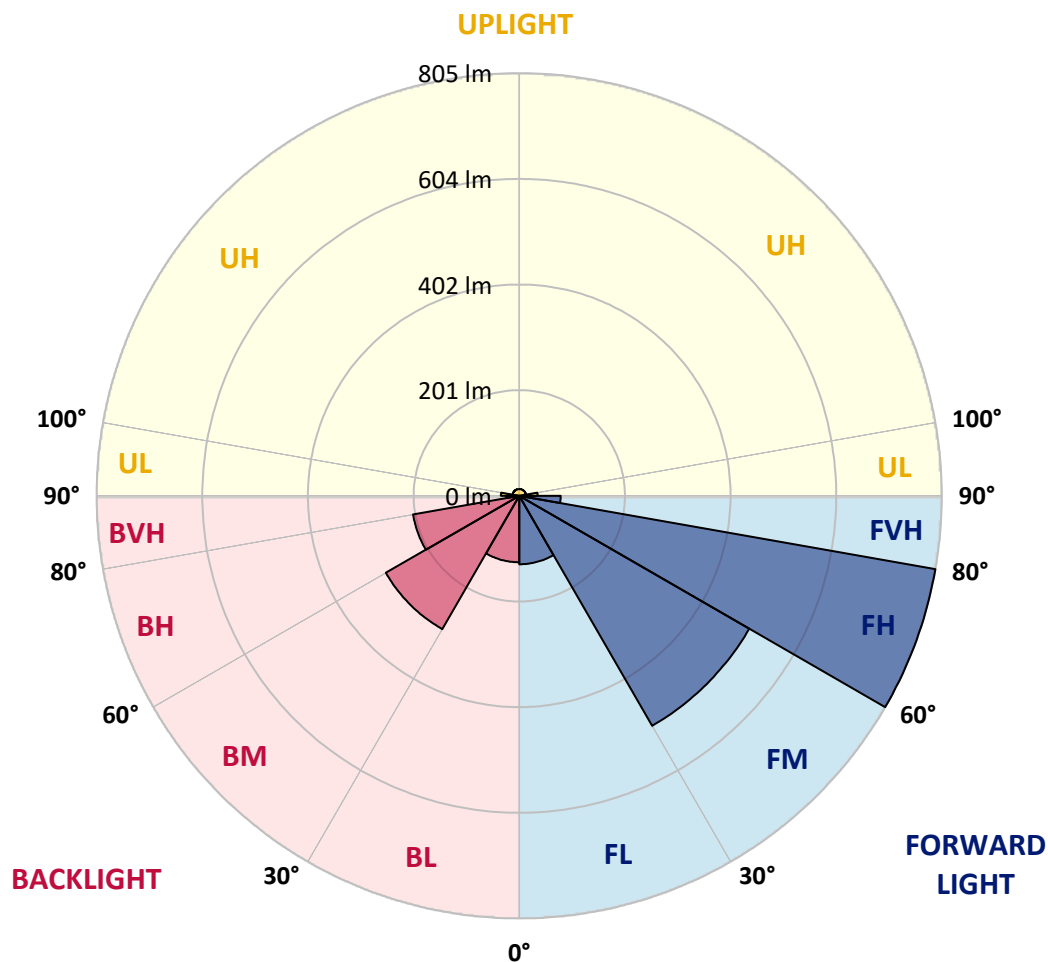
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.4	5.9			
FM	(30°-60°)	505.8	22.8			
FH	(60°-80°)	804.9	36.3			G1/1800
FVH	(80°-90°)	78.9	3.6			G1/100
BL	(0°-30°)	126.6	5.7	B1/500		
BM	(30°-60°)	293.3	13.2	B1/1000		
BH	(60°-80°)	205.5	9.3	B1/500		G1/500
BVH	(80°-90°)	24.6	1.1			G1/100
UL	(90°-100°)	34.9	1.6		U2/50	
UH	(100°-180°)	13.0	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°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
2.5°	306.3	306.3	306.3	307.4	308.6	307.4	306.3	305.2	304.0	305.2	305.2
5°	305.2	305.2	306.3	306.3	307.4	308.6	307.4	306.3	305.2	305.2	305.2
7.5°	299.4	300.6	300.6	301.7	302.9	305.2	305.2	302.9	302.9	302.9	302.9
10°	293.7	293.7	294.8	296.0	297.1	299.4	299.4	297.1	298.3	299.4	299.4
12.5°	290.2	290.2	291.4	293.7	294.8	296.0	297.1	297.1	298.3	297.1	298.3
15°	287.9	287.9	287.9	291.4	294.8	296.0	298.3	299.4	300.6	300.6	300.6
17.5°	289.1	289.1	289.1	293.7	296.0	299.4	301.7	302.9	302.9	304.0	304.0
20°	291.4	291.4	292.5	296.0	300.6	304.0	306.3	307.4	307.4	309.7	309.7
22.5°	296.0	298.3	297.1	300.6	304.0	308.6	312.0	314.3	314.3	316.6	316.6
25°	306.3	305.2	306.3	309.7	313.2	316.6	318.9	322.4	323.5	325.8	325.8
27.5°	317.8	317.8	317.8	321.2	323.5	326.9	329.2	331.5	333.8	337.3	338.4
30°	335.0	333.8	332.7	336.1	338.4	341.9	344.2	345.3	345.3	347.6	349.9
32.5°	357.9	357.9	357.9	360.2	361.4	364.8	366.0	367.1	366.0	369.4	370.5
35°	386.6	386.6	387.7	390.0	393.5	395.8	396.9	395.8	396.9	399.2	401.5
37.5°	415.3	416.4	419.9	423.3	425.6	430.2	433.6	433.6	434.8	441.7	441.7
40°	336.1	339.6	343.0	351.0	361.4	375.1	398.1	407.2	433.6	447.4	450.8
42.5°	228.3	236.3	245.5	255.8	263.9	265.0	286.8	299.4	325.8	351.0	357.9
45°	218.0	227.1	236.3	229.4	235.2	216.8	238.6	240.9	253.5	273.0	324.7
47.5°	320.1	332.7	345.3	328.1	331.5	291.4	299.4	290.2	261.6	293.7	379.7
50°	417.6	416.4	434.8	426.8	435.9	392.3	395.8	377.4	332.7	377.4	500.2
52.5°	511.6	520.8	540.3	538.0	544.9	488.7	478.4	462.3	392.3	461.2	605.7
55°	620.6	627.5	645.9	640.1	636.7	580.5	562.1	546.1	478.4	567.9	718.1
57.5°	722.7	726.2	748.0	728.5	717.0	674.5	649.3	622.9	556.4	665.4	796.1
60°	820.2	824.8	837.4	811.1	792.7	759.4	728.5	699.8	637.8	752.6	868.4
62.5°	912.0	907.4	913.2	879.9	867.3	837.4	804.2	768.6	714.7	821.4	938.4
65°	964.8	964.8	971.7	929.2	909.7	891.4	854.7	813.4	764.0	854.7	982.0
67.5°	1015.3	1025.6	1022.1	987.7	962.5	937.2	895.9	837.4	788.1	854.7	984.3
70°	996.9	1009.5	995.8	968.2	943.0	913.2	875.3	817.9	762.9	813.4	931.5
72.5°	917.7	926.9	921.2	897.1	866.1	846.6	806.5	762.9	698.6	742.2	845.5
75°	809.9	807.6	817.9	790.4	764.0	745.7	706.7	679.1	619.5	651.6	750.3
77.5°	652.7	653.9	675.7	644.7	624.1	611.4	575.9	552.9	499.0	527.7	603.4
80°	438.2	450.8	471.5	438.2	434.8	417.6	387.7	372.8	331.5	345.3	385.5
82.5°	182.4	188.1	195.0	184.7	181.3	175.5	162.9	158.3	142.3	149.1	149.1
85°	102.1	101.0	104.4	104.4	102.1	97.5	92.9	84.9	78.0	76.9	71.1
87.5°	86.0	87.2	89.5	89.5	84.9	81.4	75.7	70.0	64.2	60.8	55.1
90°	80.3	81.4	82.6	79.2	74.6	71.1	66.5	61.9	57.4	55.1	49.3
92.5°	76.9	76.9	76.9	72.3	67.7	64.2	60.8	56.2	52.8	50.5	45.9
95°	64.2	63.1	61.9	59.7	55.1	51.6	49.3	44.7	42.4	40.2	37.9
97.5°	48.2	47.0	45.9	44.7	40.2	37.9	36.7	34.4	32.1	28.7	27.5
100°	34.4	33.3	33.3	32.1	29.8	27.5	26.4	24.1	21.8	19.5	18.4
102.5°	22.9	21.8	21.8	20.6	19.5	18.4	16.1	14.9	12.6	11.5	10.3
105°	12.6	12.6	12.6	11.5	11.5	10.3	9.2	8.0	6.9	6.9	5.7
107.5°	9.2	9.2	9.2	9.2	8.0	8.0	6.9	5.7	5.7	4.6	4.6
110°	6.9	6.9	6.9	6.9	6.9	5.7	5.7	4.6	4.6	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.7	5.7	5.7	5.7	5.7	5.7	4.6	4.6	3.4	3.4	3.4
115°	5.7	5.7	5.7	5.7	4.6	4.6	3.4	3.4	3.4	3.4	2.3
117.5°	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4	2.3	3.4
120°	4.6	4.6	4.6	4.6	3.4	3.4	3.4	2.3	2.3	2.3	2.3
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3	2.3	2.3
125°	3.4	3.4	3.4	3.4	3.4	2.3	2.3	2.3	2.3	2.3	2.3
127.5°	3.4	3.4	2.3	3.4	2.3	2.3	2.3	2.3	2.3	1.1	2.3
130°	3.4	3.4	2.3	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6	308.6
2.5°	306.3	306.3	307.4	306.3	306.3	304.0	302.9	301.7	301.7	301.7
5°	305.2	305.2	304.0	301.7	300.6	298.3	296.0	294.8	293.7	294.8
7.5°	302.9	300.6	298.3	293.7	290.2	289.1	284.5	283.4	283.4	283.4
10°	298.3	296.0	290.2	284.5	282.2	278.8	275.3	271.9	273.0	274.2
12.5°	297.1	291.4	286.8	281.1	277.6	271.9	270.7	267.3	266.1	266.1
15°	298.3	293.7	287.9	283.4	278.8	276.5	271.9	270.7	267.3	269.6
17.5°	302.9	296.0	291.4	286.8	282.2	279.9	276.5	274.2	275.3	275.3
20°	307.4	300.6	296.0	292.5	287.9	284.5	283.4	281.1	282.2	279.9
22.5°	314.3	307.4	304.0	299.4	296.0	293.7	291.4	292.5	290.2	291.4
25°	323.5	317.8	313.2	309.7	306.3	304.0	304.0	304.0	302.9	304.0
27.5°	336.1	330.4	326.9	324.7	321.2	318.9	316.6	317.8	318.9	317.8
30°	347.6	340.7	339.6	337.3	335.0	333.8	333.8	333.8	333.8	336.1
32.5°	366.0	359.1	356.8	356.8	354.5	353.3	352.2	354.5	355.6	354.5
35°	394.6	385.5	383.2	382.0	380.9	380.9	382.0	382.0	382.0	382.0
37.5°	430.2	417.6	415.3	414.1	414.1	414.1	413.0	414.1	417.6	418.7
40°	446.3	438.2	441.7	447.4	450.8	450.8	449.7	452.0	455.4	455.4
42.5°	361.4	344.2	356.8	379.7	394.6	413.0	416.4	427.9	437.1	437.1
45°	293.7	222.6	227.1	242.1	248.9	265.0	274.2	284.5	290.2	282.2
47.5°	330.4	143.4	118.2	122.7	105.5	127.3	142.3	158.3	161.8	165.2
50°	518.5	148.0	99.8	72.3	48.2	64.2	67.7	76.9	74.6	75.7
52.5°	629.8	169.8	99.8	64.2	40.2	42.4	39.0	43.6	45.9	50.5
55°	706.7	204.2	129.6	81.4	47.0	28.7	19.5	14.9	13.8	13.8
57.5°	743.4	250.1	168.6	115.9	73.4	40.2	17.2	12.6	11.5	10.3
60°	777.8	299.4	213.4	158.3	115.9	71.1	32.1	12.6	10.3	10.3
62.5°	808.8	348.7	258.1	205.3	162.9	111.3	59.7	21.8	11.5	11.5
65°	834.0	359.1	261.6	222.6	175.5	130.8	78.0	26.4	12.6	12.6
67.5°	840.9	341.9	252.4	204.2	164.0	111.3	60.8	21.8	14.9	13.8
70°	795.0	324.7	253.5	193.9	148.0	98.7	40.2	25.2	19.5	18.4
72.5°	719.3	300.6	240.9	188.1	142.3	99.8	47.0	41.3	36.7	34.4
75°	633.2	271.9	222.6	180.1	137.7	96.4	55.1	51.6	47.0	45.9
77.5°	508.2	226.0	187.0	152.6	115.9	76.9	45.9	43.6	37.9	37.9
80°	333.8	168.6	141.1	117.0	88.3	53.9	34.4	31.0	27.5	26.4
82.5°	136.5	98.7	84.9	73.4	57.4	34.4	22.9	19.5	16.1	14.9
85°	66.5	49.3	42.4	34.4	28.7	19.5	14.9	12.6	9.2	9.2
87.5°	53.9	39.0	32.1	26.4	19.5	13.8	10.3	8.0	5.7	4.6
90°	49.3	34.4	27.5	21.8	16.1	11.5	6.9	5.7	3.4	2.3
92.5°	44.7	29.8	24.1	17.2	12.6	9.2	4.6	3.4	2.3	2.3
95°	36.7	22.9	18.4	13.8	10.3	6.9	4.6	2.3	1.1	1.1
97.5°	26.4	17.2	13.8	10.3	8.0	4.6	3.4	2.3	1.1	1.1
100°	18.4	11.5	10.3	8.0	5.7	3.4	2.3	1.1	1.1	1.1
102.5°	9.2	6.9	6.9	5.7	4.6	3.4	1.1	1.1	0.0	0.0
105°	5.7	4.6	4.6	3.4	2.3	2.3	1.1	1.1	0.0	0.0
107.5°	3.4	3.4	3.4	2.3	2.3	1.1	1.1	0.0	0.0	0.0
110°	3.4	2.3	2.3	2.3	1.1	1.1	1.1	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°	2.3	2.3	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0
115°	2.3	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
117.5°	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
120°	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
125°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
127.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.1	1.1	1.1	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)