

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: P691168

Luminaire Tested: **CRTK2-C013-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1987 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B0 - 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

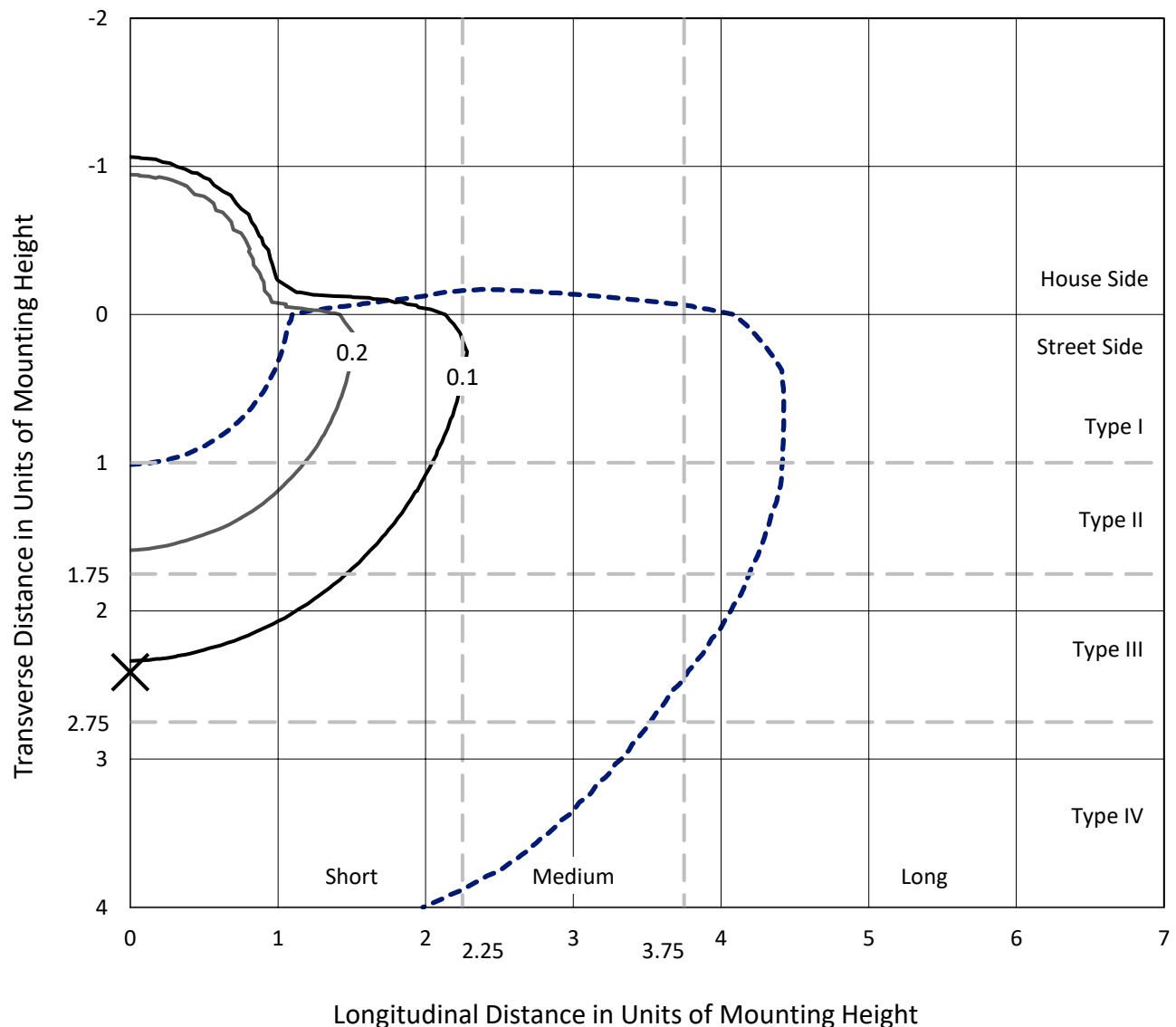


REPORT NUMBER: P691168

CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

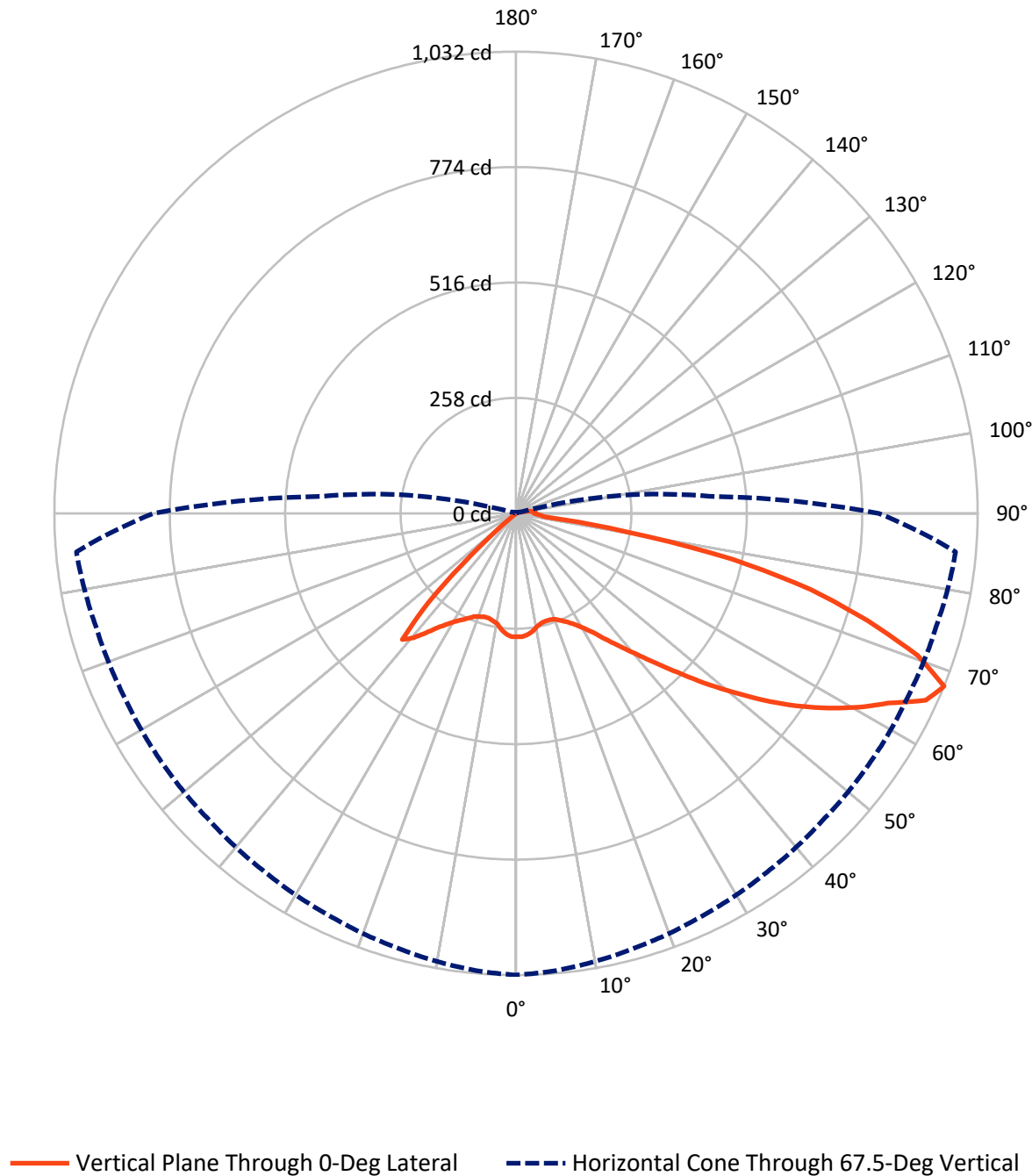


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P691168

CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691168

CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-DS-HSS-CRTK2

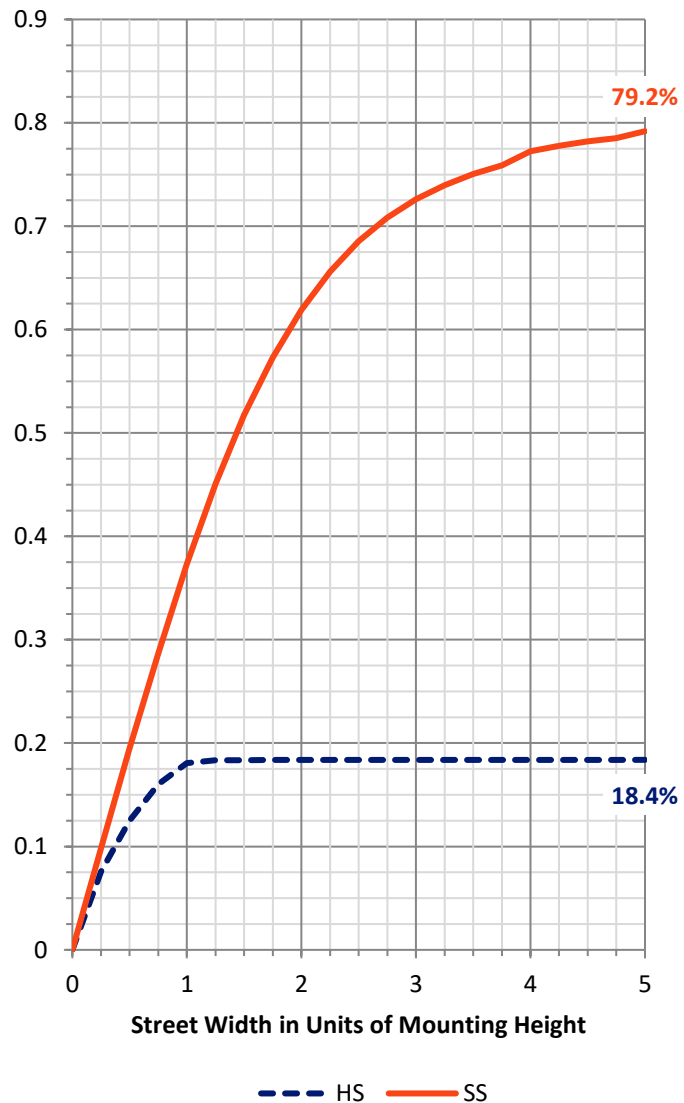
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	367.5	1.5	369.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1590.4	27.6	1618.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	1957.9	29.1	1987.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.3
10°-20°	68.6	3.5
20°-30°	120.9	6.1
30°-40°	206.7	10.4
40°-50°	284.0	14.3
50°-60°	351.0	17.7
60°-70°	490.6	24.7
70°-80°	358.4	18.0
80°-90°	52.6	2.6
90°-100°	23.2	1.2
100°-110°	5.3	0.3
110°-120°	0.3	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1957.9	98.5
0°-180°	1987.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691168

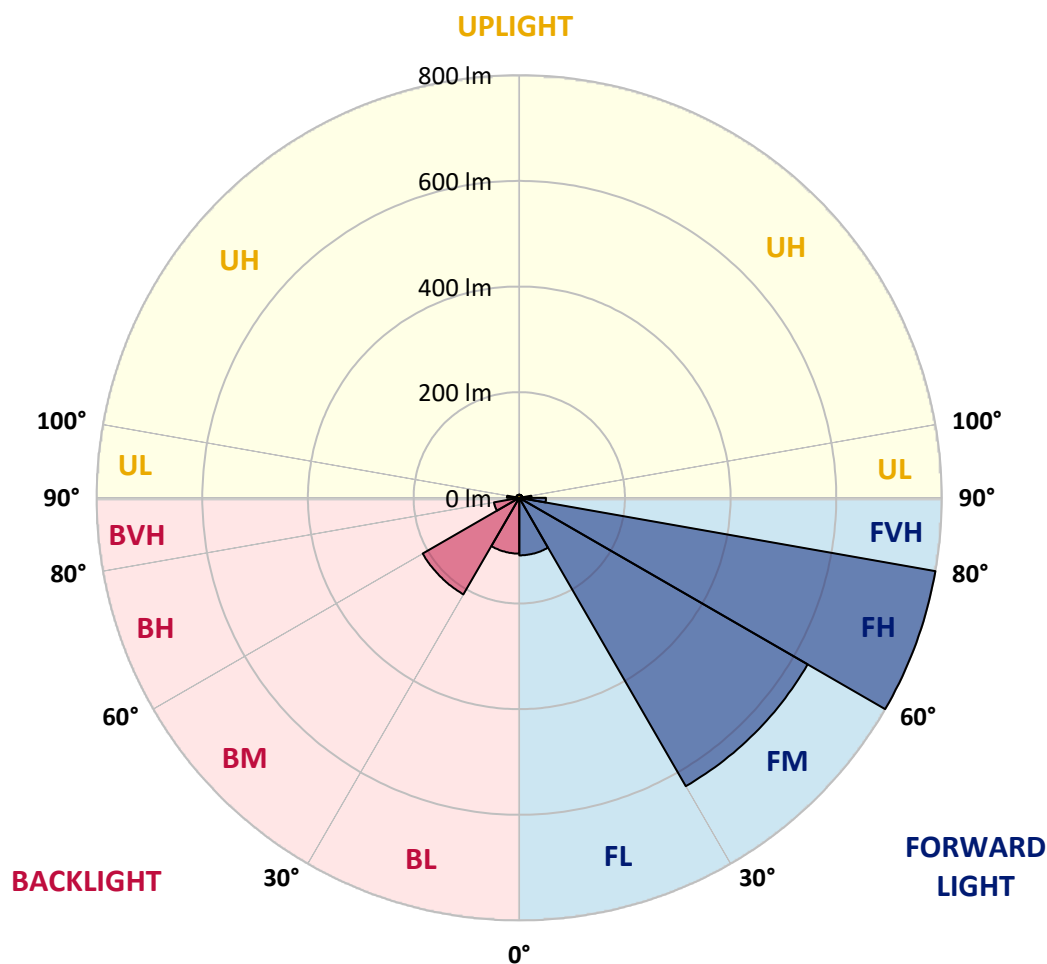
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.0	5.5			
FM	(30°-60°)	630.6	31.7			
FH	(60°-80°)	800.3	40.3			G1/1800
FVH	(80°-90°)	50.6	2.5			G1/100
BL	(0°-30°)	105.7	5.3	B0/110		
BM	(30°-60°)	211.2	10.6	B0/220		
BH	(60°-80°)	48.6	2.4	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	23.2	1.2		U2/50	
UH	(100°-180°)	5.9	0.3		U1/10	

BUG Rating: B0-U2-G1

Type IV Short



REPORT NUMBER: P691168

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9
2.5°	275.9	275.9	275.9	275.9	276.8	275.9	274.9	272.9	272.9	272.9	272.9
5°	272.0	272.0	272.9	272.9	272.0	271.0	269.1	269.1	268.1	268.1	268.1
7.5°	266.1	266.1	266.1	267.1	265.2	262.3	261.3	260.3	259.3	258.4	257.4
10°	257.4	257.4	257.4	256.4	254.5	251.6	249.6	247.7	247.7	246.7	245.7
12.5°	251.6	251.6	251.6	250.6	247.7	245.7	242.8	240.9	239.9	239.9	238.9
15°	249.6	249.6	249.6	248.7	245.7	243.8	240.9	238.9	237.0	236.0	235.1
17.5°	249.6	249.6	249.6	247.7	246.7	243.8	240.9	238.9	238.0	237.0	236.0
20°	252.5	253.5	252.5	251.6	248.7	246.7	243.8	240.9	239.9	239.9	238.9
22.5°	260.3	259.3	259.3	258.4	255.5	252.5	250.6	248.7	246.7	246.7	245.7
25°	269.1	270.0	270.0	268.1	266.1	263.2	260.3	257.4	256.4	255.5	254.5
27.5°	281.7	281.7	282.7	280.7	277.8	275.9	272.9	271.0	269.1	267.1	266.1
30°	297.2	298.2	298.2	296.3	293.3	289.5	287.5	284.6	281.7	281.7	278.8
32.5°	317.6	319.6	318.6	316.6	313.7	309.8	307.9	305.0	303.0	300.1	298.2
35°	345.8	346.8	345.8	343.8	339.0	335.1	333.2	331.2	329.3	325.4	321.5
37.5°	376.9	377.8	378.8	376.9	371.0	365.2	363.3	360.4	359.4	354.5	352.6
40°	412.8	414.8	413.8	410.9	406.0	400.2	399.2	396.3	393.4	390.5	385.6
42.5°	456.5	456.5	455.5	453.6	449.7	442.9	441.0	438.1	436.1	430.3	422.5
45°	507.0	508.0	505.1	502.2	501.2	495.4	490.5	487.6	481.8	475.0	466.2
47.5°	566.3	565.3	561.4	558.5	557.5	552.7	548.8	543.0	535.2	527.4	510.9
50°	627.5	627.5	620.7	617.8	619.7	612.9	608.0	601.2	593.5	585.7	561.4
52.5°	693.5	690.6	683.8	684.8	681.9	675.1	669.2	664.4	656.6	649.8	611.0
55°	759.6	755.7	745.0	746.0	741.1	733.3	729.5	723.6	721.7	713.9	658.6
57.5°	820.8	815.9	804.2	803.3	799.4	790.6	788.7	781.9	777.1	773.2	694.5
60°	880.0	875.2	864.5	860.6	852.8	844.1	845.0	841.2	838.2	834.4	734.3
62.5°	933.4	927.6	917.9	910.1	899.4	891.7	892.6	890.7	892.6	891.7	768.3
65°	1006.3	1000.5	985.9	972.3	956.7	945.1	944.1	947.0	967.4	969.4	820.8
67.5°	1031.5	1025.7	1007.3	990.7	978.1	969.4	967.4	966.5	972.3	985.9	810.1
70°	951.9	948.0	930.5	918.9	906.2	900.4	894.6	897.5	903.3	902.3	743.1
72.5°	821.7	843.1	820.8	810.1	807.2	791.6	795.5	792.6	796.5	795.5	660.5
75°	679.9	674.1	669.2	687.7	674.1	662.4	669.2	676.0	682.8	675.1	578.9
77.5°	494.4	498.3	496.3	503.1	515.8	509.9	506.1	522.6	525.5	499.3	449.7
80°	248.7	264.2	269.1	280.7	287.5	274.9	264.2	287.5	283.6	253.5	228.3
82.5°	65.1	66.0	75.8	89.4	91.3	89.4	91.3	89.4	77.7	49.5	41.8
85°	54.4	54.4	67.0	81.6	84.5	80.6	80.6	75.8	60.2	31.1	25.3
87.5°	44.7	46.6	60.2	73.8	75.8	71.9	70.9	65.1	52.5	27.2	21.4
90°	39.8	41.8	54.4	66.0	67.0	63.1	62.2	58.3	47.6	27.2	21.4
92.5°	43.7	44.7	53.4	60.2	60.2	57.3	56.3	53.4	46.6	34.0	26.2
95°	38.9	39.8	43.7	46.6	45.7	42.7	44.7	41.8	38.9	32.1	24.3
97.5°	32.1	33.0	34.0	34.0	33.0	31.1	33.0	32.1	30.1	26.2	19.4
100°	24.3	24.3	24.3	25.3	24.3	23.3	24.3	22.3	21.4	18.5	13.6
102.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	14.6	13.6	11.7	7.8
105°	9.7	9.7	8.7	9.7	9.7	8.7	8.7	7.8	5.8	4.9	2.9
107.5°	3.9	3.9	2.9	2.9	2.9	2.9	1.9	1.0	1.0	1.0	1.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	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	1.0
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	1.0	1.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9	275.9
2.5°	272.9	272.9	272.9	272.9	272.9	272.9	273.9	274.9	275.9	275.9
5°	268.1	268.1	268.1	267.1	268.1	269.1	270.0	270.0	271.0	271.0
7.5°	258.4	257.4	257.4	257.4	258.4	260.3	260.3	261.3	262.3	262.3
10°	245.7	245.7	245.7	245.7	246.7	248.7	248.7	250.6	250.6	250.6
12.5°	238.9	238.9	238.0	237.0	238.9	238.9	241.9	242.8	243.8	245.7
15°	235.1	234.1	235.1	235.1	236.0	237.0	238.0	239.9	240.9	241.9
17.5°	235.1	235.1	235.1	236.0	237.0	237.0	238.0	239.9	240.9	241.9
20°	238.9	238.9	238.0	238.0	238.9	238.9	240.9	242.8	243.8	244.8
22.5°	244.8	243.8	243.8	242.8	243.8	244.8	246.7	248.7	248.7	248.7
25°	252.5	251.6	251.6	251.6	253.5	253.5	255.5	257.4	257.4	257.4
27.5°	265.2	263.2	262.3	262.3	262.3	263.2	265.2	266.1	267.1	267.1
30°	275.9	273.9	272.9	272.0	272.9	273.9	275.9	277.8	277.8	277.8
32.5°	295.3	290.4	287.5	288.5	288.5	289.5	291.4	291.4	292.4	292.4
35°	317.6	312.8	307.9	308.9	308.9	309.8	309.8	309.8	311.8	309.8
37.5°	345.8	338.0	334.1	335.1	333.2	333.2	333.2	333.2	332.2	334.1
40°	375.9	364.2	360.4	361.3	360.4	359.4	359.4	360.4	359.4	360.4
42.5°	371.0	322.5	334.1	347.7	357.4	364.2	372.0	375.9	375.9	379.8
45°	324.4	191.3	204.9	223.4	238.9	255.5	263.2	269.1	272.9	280.7
47.5°	281.7	69.0	78.7	91.3	107.8	107.8	121.4	127.2	129.2	136.0
50°	273.9	10.7	8.7	9.7	10.7	11.7	12.6	15.5	15.5	19.4
52.5°	298.2	9.7	5.8	3.9	3.9	2.9	1.9	1.9	1.9	2.9
55°	325.4	10.7	5.8	3.9	2.9	2.9	1.0	1.0	1.0	1.0
57.5°	348.7	9.7	4.9	3.9	2.9	1.9	0.0	0.0	0.0	0.0
60°	374.0	10.7	5.8	3.9	2.9	1.9	0.0	0.0	0.0	0.0
62.5°	396.3	10.7	5.8	3.9	2.9	1.0	0.0	0.0	0.0	0.0
65°	428.3	11.7	5.8	3.9	1.9	0.0	0.0	0.0	0.0	0.0
67.5°	434.2	11.7	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
70°	387.6	9.7	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	333.2	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	268.1	4.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	179.7	3.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	80.6	2.9	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
82.5°	17.5	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.7	1.9	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
87.5°	10.7	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
90°	10.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	12.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	11.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	8.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.8	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	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°
112.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.0	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.0	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°	1.0	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	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)