

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: P691076

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691076
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-C013-5TLD-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: 2347.9 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
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

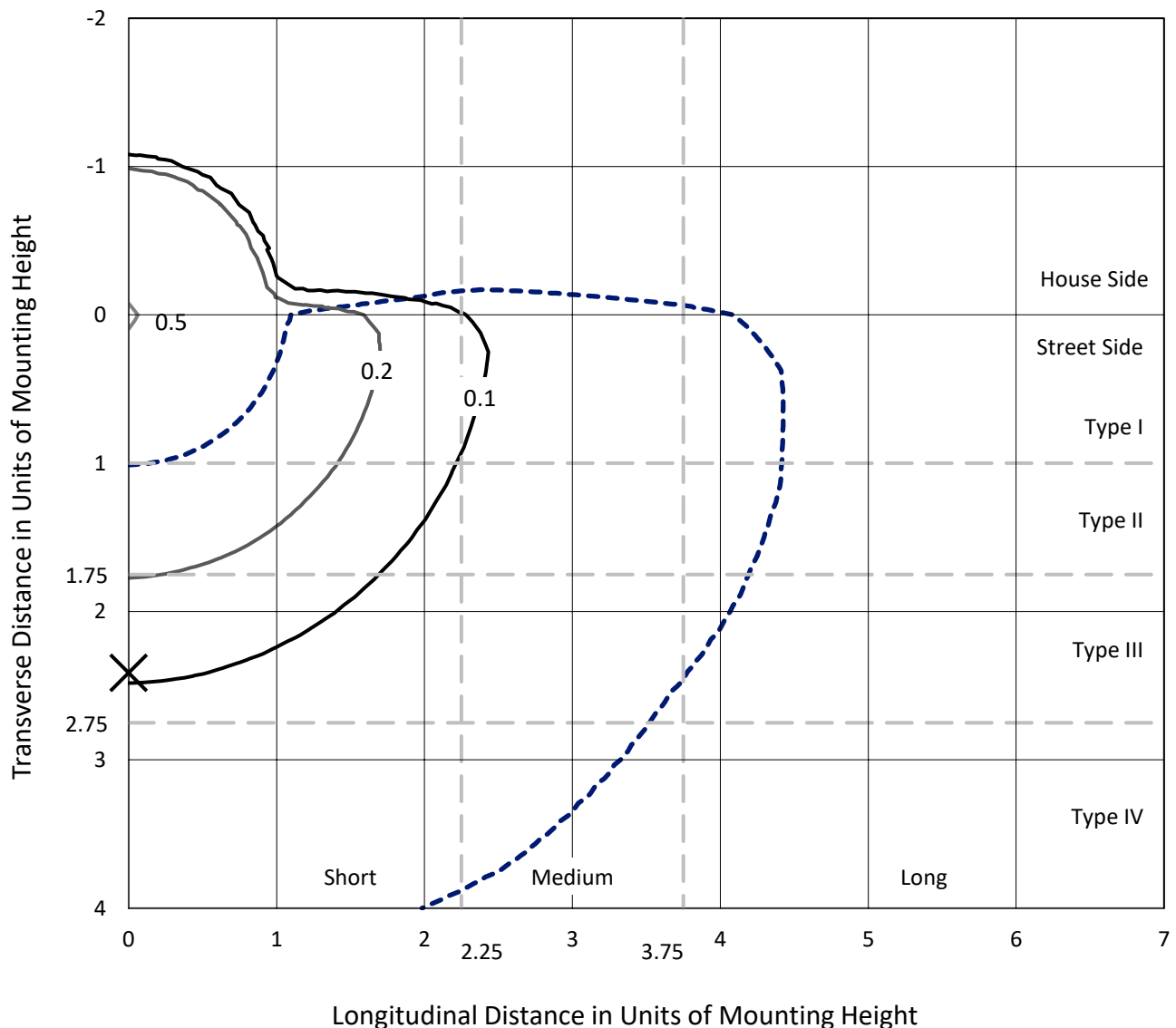


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

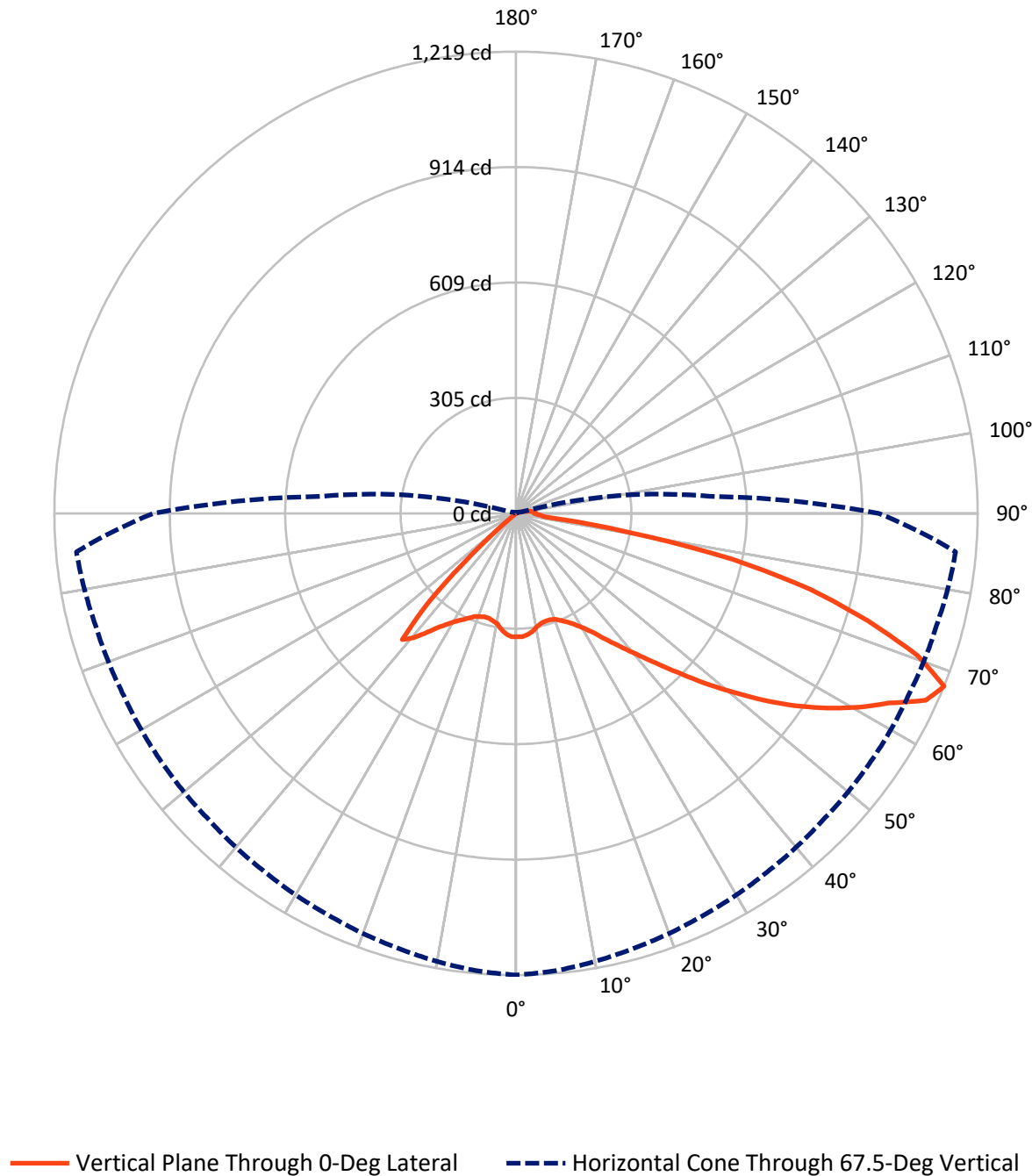


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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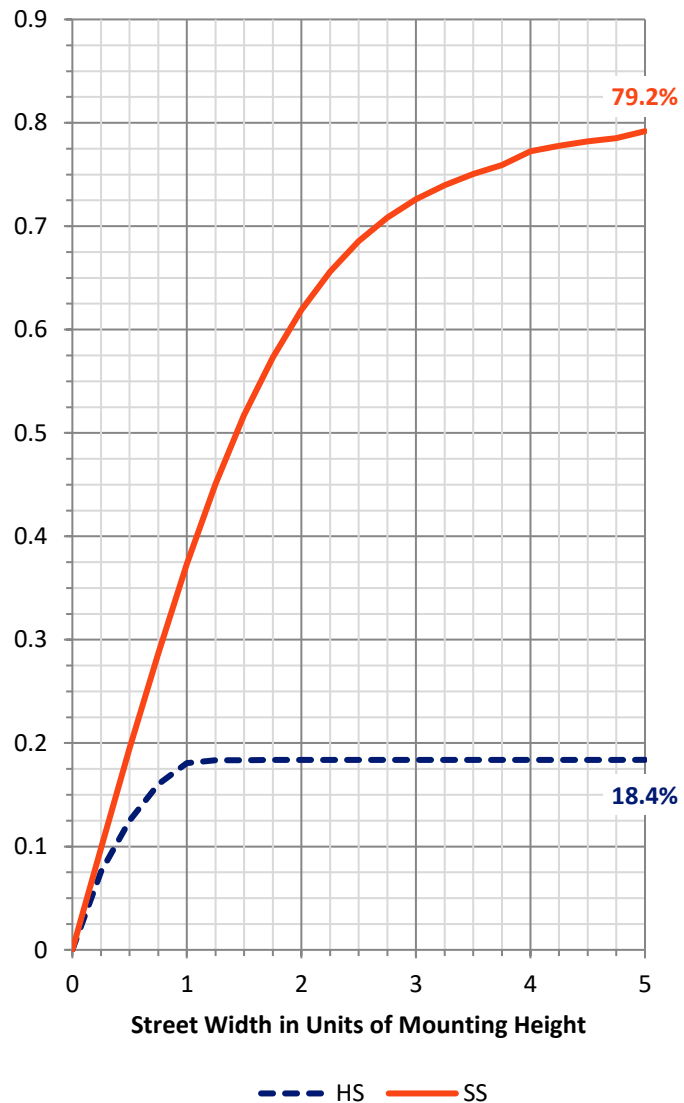
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	434.3	1.7	436.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1879.4	32.6	1912.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	2313.6	34.3	2347.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.3
10°-20°	81.1	3.5
20°-30°	142.9	6.1
30°-40°	244.2	10.4
40°-50°	335.6	14.3
50°-60°	414.8	17.7
60°-70°	579.7	24.7
70°-80°	423.4	18.0
80°-90°	62.2	2.6
90°-100°	27.4	1.2
100°-110°	6.2	0.3
110°-120°	0.4	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°	2313.6	98.5
0°-180°	2347.9	100.0

Coefficient of Utilization



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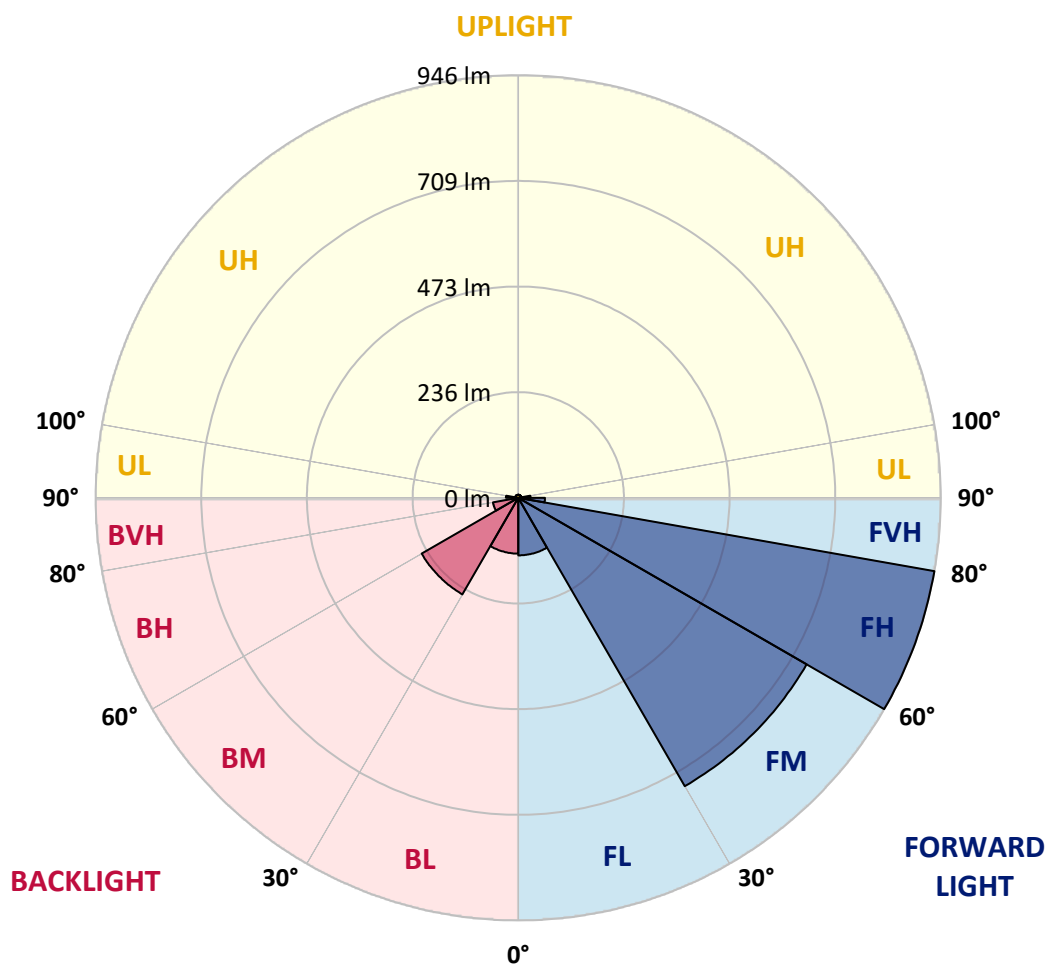
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.8	5.5			
FM	(30°-60°)	745.1	31.7			
FH	(60°-80°)	945.7	40.3			G1/1800
FVH	(80°-90°)	59.8	2.5			G1/100
BL	(0°-30°)	124.9	5.3	B1/500		
BM	(30°-60°)	249.5	10.6	B1/1000		
BH	(60°-80°)	57.5	2.4	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	27.4	1.2		U2/50	
UH	(100°-180°)	6.9	0.3		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°	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0
2.5°	326.0	326.0	326.0	326.0	327.1	326.0	324.8	322.5	322.5	322.5	322.5
5°	321.4	321.4	322.5	322.5	321.4	320.2	317.9	317.9	316.8	316.8	316.8
7.5°	314.5	314.5	314.5	315.6	313.3	309.9	308.8	307.6	306.5	305.3	304.2
10°	304.2	304.2	304.2	303.0	300.7	297.3	295.0	292.7	292.7	291.5	290.4
12.5°	297.3	297.3	297.3	296.1	292.7	290.4	286.9	284.6	283.5	283.5	282.4
15°	295.0	295.0	295.0	293.8	290.4	288.1	284.6	282.4	280.1	278.9	277.8
17.5°	295.0	295.0	295.0	292.7	291.5	288.1	284.6	282.4	281.2	280.1	278.9
20°	298.4	299.6	298.4	297.3	293.8	291.5	288.1	284.6	283.5	283.5	282.4
22.5°	307.6	306.5	306.5	305.3	301.9	298.4	296.1	293.8	291.5	291.5	290.4
25°	317.9	319.1	319.1	316.8	314.5	311.0	307.6	304.2	303.0	301.9	300.7
27.5°	332.9	332.9	334.0	331.7	328.3	326.0	322.5	320.2	317.9	315.6	314.5
30°	351.2	352.4	352.4	350.1	346.6	342.0	339.7	336.3	332.9	332.9	329.4
32.5°	375.3	377.6	376.5	374.2	370.7	366.1	363.8	360.4	358.1	354.7	352.4
35°	408.6	409.8	408.6	406.3	400.6	396.0	393.7	391.4	389.1	384.5	379.9
37.5°	445.3	446.5	447.6	445.3	438.5	431.6	429.3	425.8	424.7	418.9	416.6
40°	487.8	490.1	489.0	485.5	479.8	472.9	471.7	468.3	464.9	461.4	455.7
42.5°	539.5	539.5	538.3	536.0	531.4	523.4	521.1	517.6	515.4	508.5	499.3
45°	599.1	600.3	596.8	593.4	592.3	585.4	579.6	576.2	569.3	561.3	550.9
47.5°	669.2	668.0	663.4	660.0	658.8	653.1	648.5	641.6	632.4	623.2	603.7
50°	741.5	741.5	733.4	730.0	732.3	724.3	718.5	710.5	701.3	692.1	663.4
52.5°	819.5	816.1	808.0	809.2	805.7	797.7	790.8	785.1	775.9	767.9	722.0
55°	897.6	893.0	880.3	881.5	875.8	866.6	862.0	855.1	852.8	843.6	778.2
57.5°	969.9	964.1	950.4	949.2	944.6	934.3	932.0	924.0	918.2	913.6	820.7
60°	1039.9	1034.2	1021.5	1016.9	1007.8	997.4	998.6	994.0	990.5	985.9	867.7
62.5°	1103.0	1096.1	1084.7	1075.5	1062.8	1053.7	1054.8	1052.5	1054.8	1053.7	907.9
65°	1189.1	1182.2	1165.0	1148.9	1130.6	1116.8	1115.6	1119.1	1143.2	1145.5	969.9
67.5°	1218.9	1212.1	1190.2	1170.7	1155.8	1145.5	1143.2	1142.0	1148.9	1165.0	957.3
70°	1124.8	1120.2	1099.6	1085.8	1070.9	1064.0	1057.1	1060.6	1067.4	1066.3	878.1
72.5°	971.0	996.3	969.9	957.3	953.8	935.4	940.0	936.6	941.2	940.0	780.5
75°	803.4	796.6	790.8	812.6	796.6	782.8	790.8	798.9	806.9	797.7	684.1
77.5°	584.2	588.8	586.5	594.6	609.5	602.6	598.0	617.5	621.0	590.0	531.4
80°	293.8	312.2	317.9	331.7	339.7	324.8	312.2	339.7	335.2	299.6	269.7
82.5°	76.9	78.0	89.5	105.6	107.9	105.6	107.9	105.6	91.8	58.5	49.4
85°	64.3	64.3	79.2	96.4	99.9	95.3	95.3	89.5	71.2	36.7	29.8
87.5°	52.8	55.1	71.2	87.2	89.5	84.9	83.8	76.9	62.0	32.1	25.3
90°	47.1	49.4	64.3	78.0	79.2	74.6	73.5	68.9	56.2	32.1	25.3
92.5°	51.7	52.8	63.1	71.2	71.2	67.7	66.6	63.1	55.1	40.2	31.0
95°	45.9	47.1	51.7	55.1	53.9	50.5	52.8	49.4	45.9	37.9	28.7
97.5°	37.9	39.0	40.2	40.2	39.0	36.7	39.0	37.9	35.6	31.0	23.0
100°	28.7	28.7	28.7	29.8	28.7	27.5	28.7	26.4	25.3	21.8	16.1
102.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	17.2	16.1	13.8	9.2
105°	11.5	11.5	10.3	11.5	11.5	10.3	10.3	9.2	6.9	5.7	3.4
107.5°	4.6	4.6	3.4	3.4	3.4	3.4	2.3	1.1	1.1	1.1	1.1
110°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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	1.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.1
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	1.1	1.1	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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°	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0	326.0
2.5°	322.5	322.5	322.5	322.5	322.5	322.5	323.7	324.8	326.0	326.0
5°	316.8	316.8	316.8	315.6	316.8	317.9	319.1	319.1	320.2	320.2
7.5°	305.3	304.2	304.2	304.2	305.3	307.6	307.6	308.8	309.9	309.9
10°	290.4	290.4	290.4	290.4	291.5	293.8	293.8	296.1	296.1	296.1
12.5°	282.4	282.4	281.2	280.1	282.4	282.4	285.8	286.9	288.1	290.4
15°	277.8	276.6	277.8	277.8	278.9	280.1	281.2	283.5	284.6	285.8
17.5°	277.8	277.8	277.8	278.9	280.1	280.1	281.2	283.5	284.6	285.8
20°	282.4	282.4	281.2	281.2	282.4	282.4	284.6	286.9	288.1	289.2
22.5°	289.2	288.1	288.1	286.9	288.1	289.2	291.5	293.8	293.8	293.8
25°	298.4	297.3	297.3	297.3	299.6	299.6	301.9	304.2	304.2	304.2
27.5°	313.3	311.0	309.9	309.9	309.9	311.0	313.3	314.5	315.6	315.6
30°	326.0	323.7	322.5	321.4	322.5	323.7	326.0	328.3	328.3	328.3
32.5°	348.9	343.2	339.7	340.9	340.9	342.0	344.3	344.3	345.5	345.5
35°	375.3	369.6	363.8	365.0	365.0	366.1	366.1	366.1	368.4	366.1
37.5°	408.6	399.4	394.8	396.0	393.7	393.7	393.7	393.7	392.5	394.8
40°	444.2	430.4	425.8	427.0	425.8	424.7	424.7	425.8	424.7	425.8
42.5°	438.5	381.1	394.8	410.9	422.4	430.4	439.6	444.2	444.2	448.8
45°	383.4	226.1	242.2	264.0	282.4	301.9	311.0	317.9	322.5	331.7
47.5°	332.9	81.5	93.0	107.9	127.4	127.4	143.5	150.4	152.7	160.7
50°	323.7	12.6	10.3	11.5	12.6	13.8	14.9	18.4	18.4	23.0
52.5°	352.4	11.5	6.9	4.6	4.6	3.4	2.3	2.3	2.3	3.4
55°	384.5	12.6	6.9	4.6	3.4	3.4	1.1	1.1	1.1	1.1
57.5°	412.1	11.5	5.7	4.6	3.4	2.3	0.0	0.0	0.0	0.0
60°	441.9	12.6	6.9	4.6	3.4	2.3	0.0	0.0	0.0	0.0
62.5°	468.3	12.6	6.9	4.6	3.4	1.1	0.0	0.0	0.0	0.0
65°	506.2	13.8	6.9	4.6	2.3	0.0	0.0	0.0	0.0	0.0
67.5°	513.1	13.8	6.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0
70°	458.0	11.5	4.6	2.3	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	393.7	6.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	316.8	5.7	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	212.3	4.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	95.3	3.4	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
82.5°	20.7	2.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.8	2.3	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
87.5°	12.6	1.1	1.1	1.1	0.0	0.0	0.0	1.1	0.0	0.0
90°	12.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	14.9	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	13.8	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.9	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.4	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.1	1.1	1.1	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°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.1	1.1	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°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.1	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°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.1	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°	1.1	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°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.1	1.1	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	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.1	1.1	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)