

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: P691080

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2294.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - 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



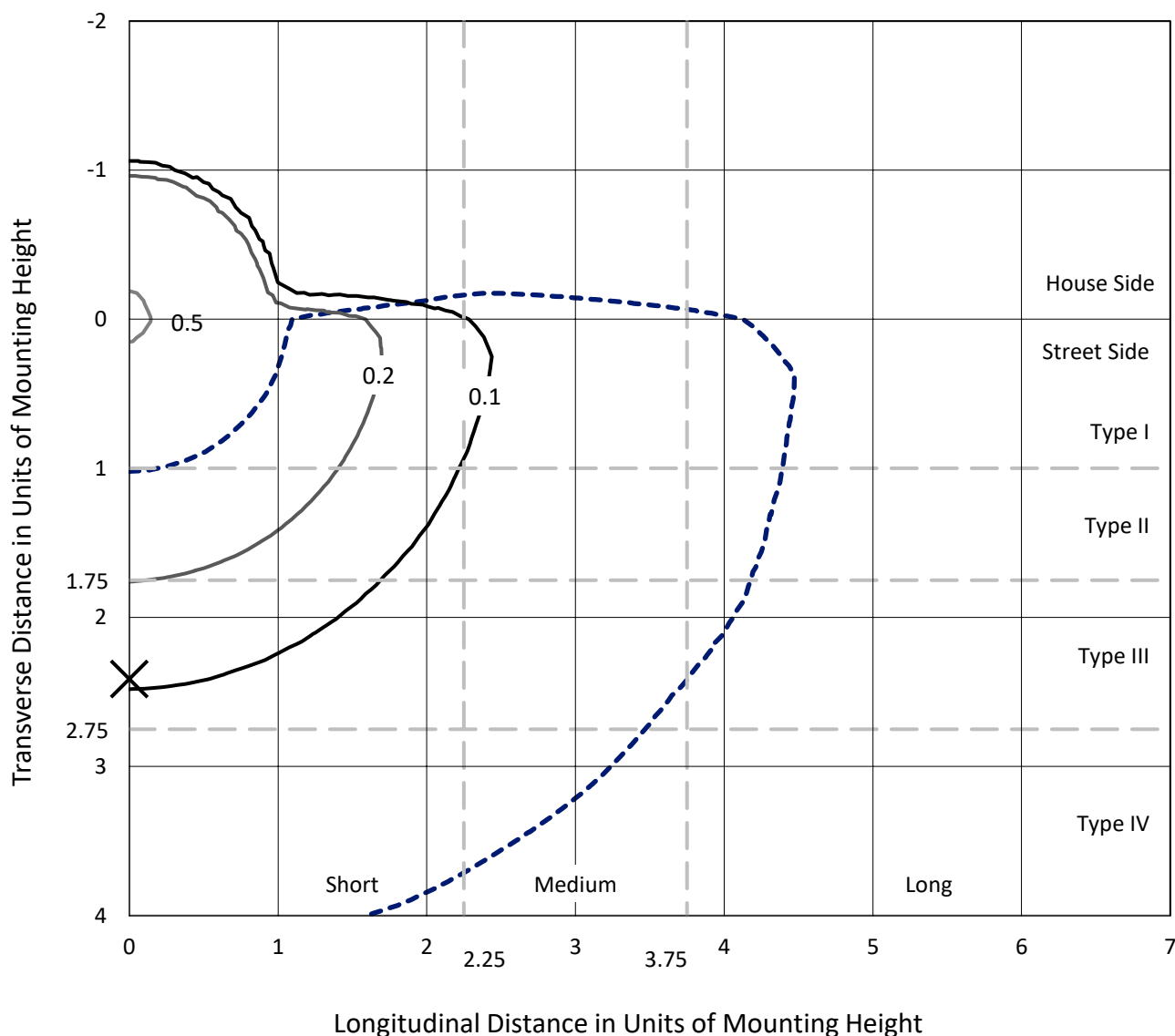
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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



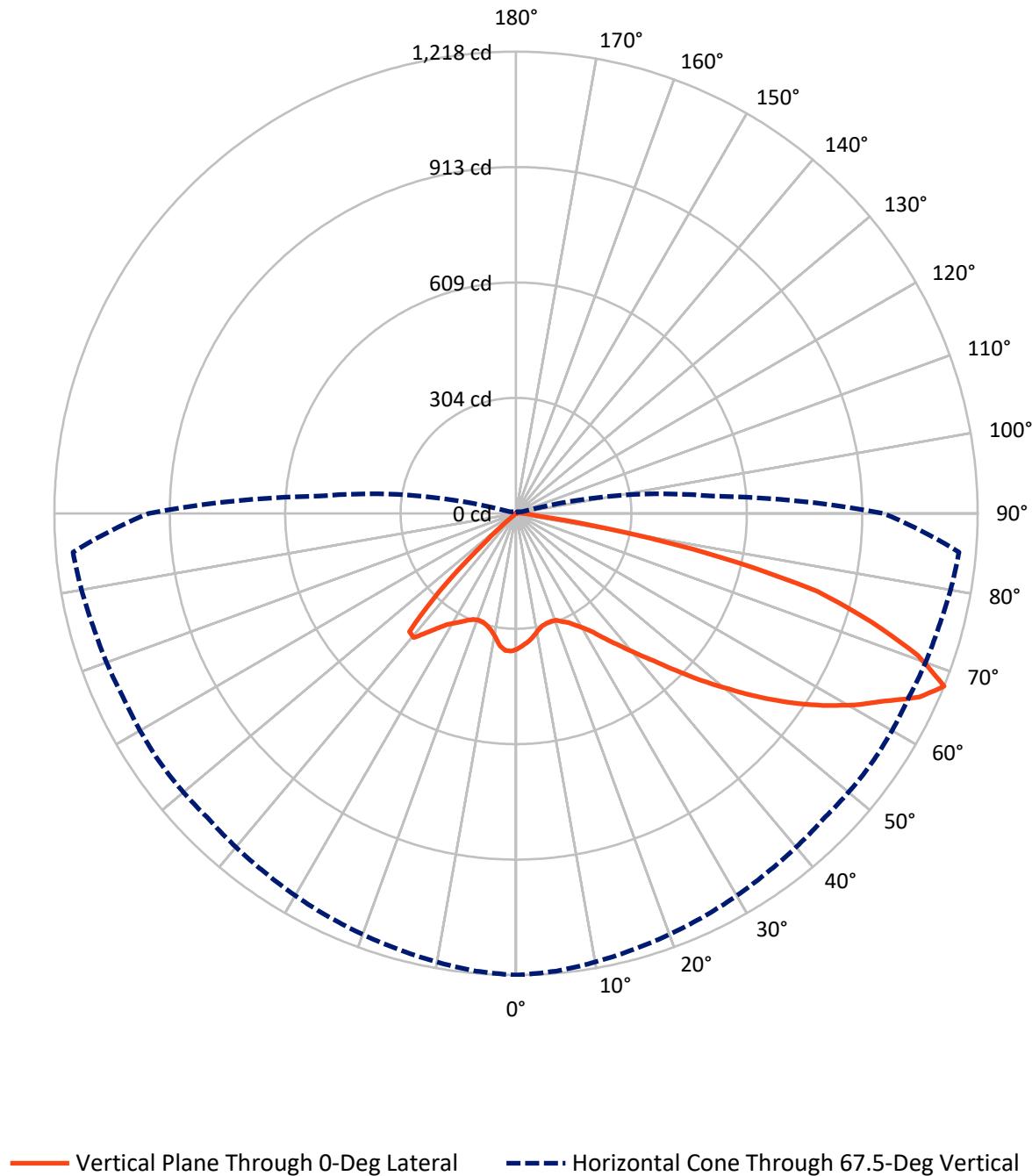
Based on 25 foot mounting height. Maximum calculated value = 0.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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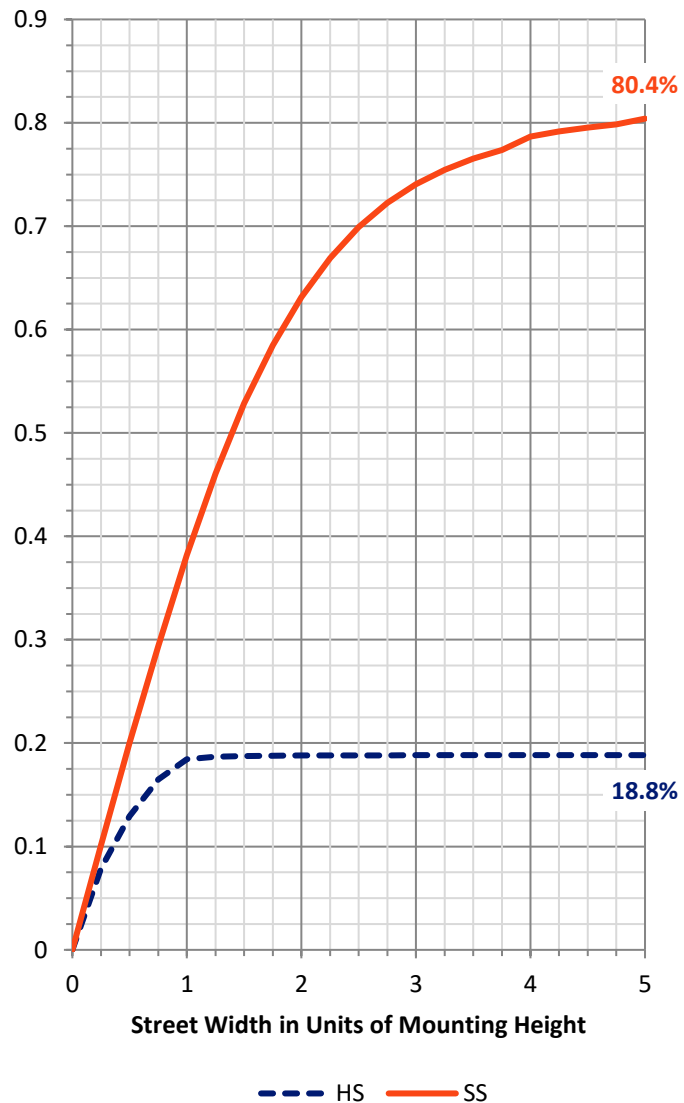
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	434.6	0.8	435.4
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1854.3	5.2	1859.5
	% Fixture	80.8	0.2	81.0
Total	Lumens	2288.9	6.0	2294.9
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.4
10°-20°	84.2	3.7
20°-30°	144.5	6.3
30°-40°	244.3	10.6
40°-50°	326.0	14.2
50°-60°	413.9	18.0
60°-70°	579.6	25.3
70°-80°	419.8	18.3
80°-90°	44.7	1.9
90°-100°	5.0	0.2
100°-110°	0.5	0.0
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2288.9	99.7
0°-180°	2294.9	100.0

Coefficient of Utilization



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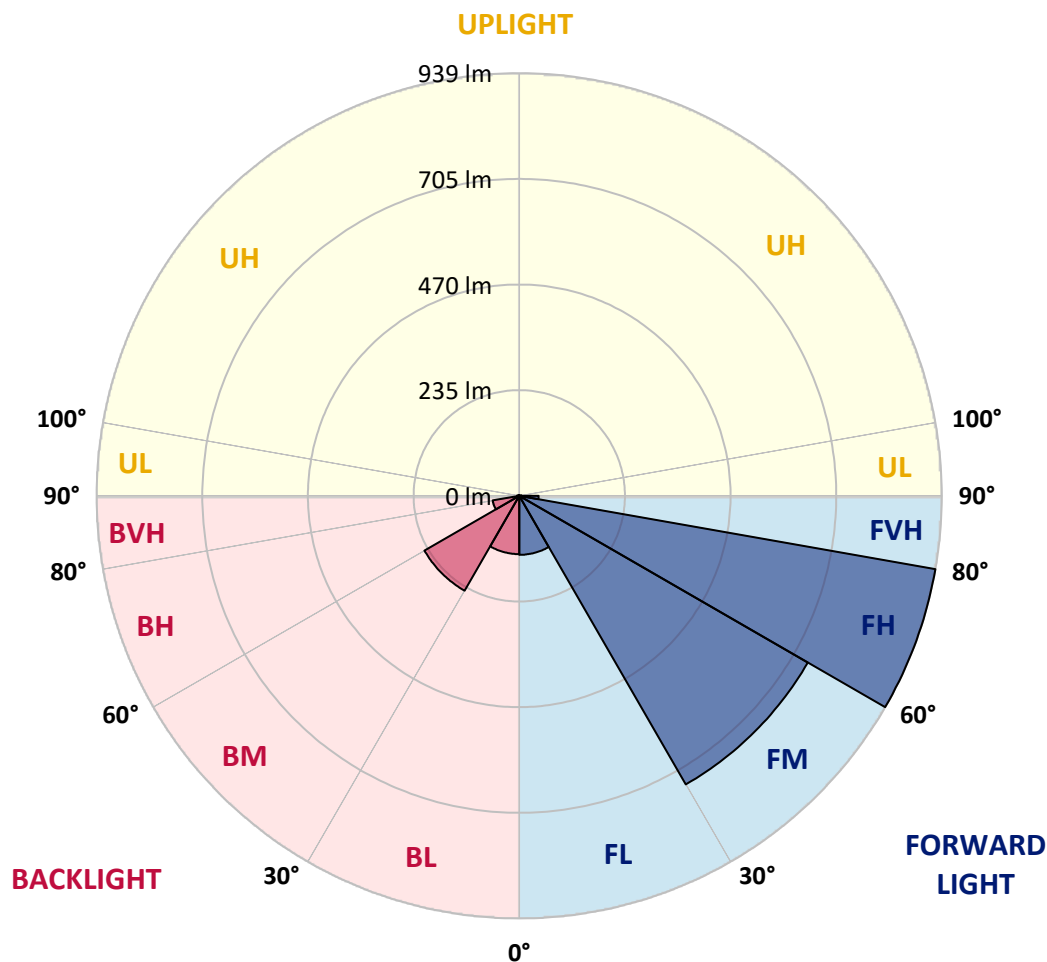
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.2	5.7			
FM	(30°-60°)	740.7	32.3			
FH	(60°-80°)	939.4	40.9			G1/1800
FVH	(80°-90°)	43.1	1.9			G1/100
BL	(0°-30°)	129.6	5.6	B1/500		
BM	(30°-60°)	243.4	10.6	B1/1000		
BH	(60°-80°)	60.0	2.6	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			G0/10
UL	(90°-100°)	5.0	0.2		U1/10	
UH	(100°-180°)	1.0	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1
2.5°	348.9	350.1	350.1	350.1	351.2	350.1	350.1	350.1	350.1	351.2	351.2
5°	339.7	339.7	339.7	340.9	340.9	339.7	338.6	339.7	339.7	340.9	340.9
7.5°	328.3	328.3	328.3	329.4	328.3	326.0	323.7	324.8	323.7	324.8	326.0
10°	314.5	315.6	315.6	314.5	313.3	309.9	306.5	307.6	306.5	307.6	307.6
12.5°	305.3	306.5	306.5	305.3	301.9	299.6	297.3	295.0	293.8	296.1	295.0
15°	300.7	301.9	301.9	300.7	298.4	296.1	291.5	290.4	288.1	286.9	288.1
17.5°	299.6	299.6	299.6	298.4	296.1	292.7	290.4	288.1	286.9	286.9	285.8
20°	300.7	303.0	301.9	300.7	298.4	296.1	292.7	289.2	289.2	289.2	288.1
22.5°	309.9	309.9	308.7	308.7	306.5	303.0	299.6	297.3	295.0	295.0	295.0
25°	319.1	320.2	320.2	319.1	315.6	311.0	309.9	306.5	305.3	304.2	303.0
27.5°	334.0	332.9	334.0	334.0	329.4	327.1	323.7	321.4	320.2	317.9	316.8
30°	351.2	351.2	351.2	351.2	347.8	343.2	340.9	337.4	334.0	334.0	331.7
32.5°	374.2	375.3	375.3	374.2	370.7	366.1	363.8	359.2	358.1	355.8	353.5
35°	406.3	406.3	406.3	404.0	399.4	396.0	393.7	390.2	389.1	385.6	379.9
37.5°	441.9	441.9	444.2	441.9	437.3	432.7	429.3	427.0	423.5	421.2	417.8
40°	483.2	483.2	484.4	480.9	476.3	474.0	470.6	466.0	463.7	462.5	455.7
42.5°	531.4	533.7	533.7	530.3	526.8	523.4	518.8	515.3	513.0	508.5	499.3
45°	589.9	588.8	591.1	587.7	585.4	584.2	577.3	569.3	570.4	560.1	549.8
47.5°	658.8	660.0	658.8	655.4	653.1	651.9	645.0	634.7	630.1	622.1	602.6
50°	728.8	730.0	728.8	726.5	728.8	721.9	713.9	704.7	703.6	693.2	663.4
52.5°	805.7	802.3	801.1	800.0	797.7	794.2	786.2	775.9	777.0	765.6	718.5
55°	882.6	879.2	873.4	871.1	868.9	863.1	856.2	852.8	851.6	840.2	777.0
57.5°	956.1	950.3	942.3	941.2	937.7	929.7	926.2	920.5	920.5	907.9	819.5
60°	1026.1	1019.2	1010.0	1005.4	999.7	992.8	991.7	988.2	989.4	982.5	865.4
62.5°	1090.4	1084.6	1073.2	1066.3	1057.1	1051.3	1052.5	1050.2	1054.8	1050.2	905.6
65°	1168.4	1161.5	1147.8	1132.8	1120.2	1111.0	1107.6	1114.5	1134.0	1138.6	959.5
67.5°	1217.8	1212.0	1191.4	1173.0	1155.8	1143.2	1146.6	1144.3	1154.6	1173.0	968.7
70°	1124.8	1122.5	1101.8	1090.4	1077.7	1065.1	1066.3	1062.8	1070.9	1075.5	888.4
72.5°	981.3	992.8	966.4	965.3	957.2	958.4	945.8	954.9	949.2	949.2	786.2
75°	820.6	796.5	788.5	808.0	796.5	797.7	795.4	805.7	804.6	805.7	684.1
77.5°	538.3	542.9	532.6	553.2	563.6	580.8	588.8	616.3	606.0	603.7	541.7
80°	241.0	246.8	247.9	267.4	280.1	297.3	291.5	311.0	298.4	277.8	265.1
82.5°	53.9	53.9	60.8	78.0	82.6	86.1	86.1	89.5	71.2	43.6	35.6
85°	36.7	35.6	48.2	65.4	68.9	66.6	64.3	59.7	41.3	12.6	10.3
87.5°	24.1	25.3	39.0	53.9	56.2	52.8	49.4	44.8	29.8	3.4	2.3
90°	16.1	18.4	29.8	41.3	41.3	39.0	35.6	29.8	18.4	1.1	1.1
92.5°	8.0	9.2	14.9	18.4	17.2	14.9	13.8	11.5	6.9	1.1	1.1
95°	4.6	4.6	6.9	6.9	6.9	5.7	5.7	4.6	2.3	1.1	1.1
97.5°	3.4	3.4	4.6	4.6	3.4	3.4	3.4	2.3	1.1	1.1	1.1
100°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1
102.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
105°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	1.1
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.1	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	1.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1
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	1.1	0.0	1.1	1.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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	1.1	1.1	0.0	1.1	1.1
175°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	0.0	0.0	0.0	0.0	0.0	1.1	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°	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1	358.1
2.5°	352.4	353.5	354.7	357.0	357.0	360.4	361.5	362.7	363.8	363.8
5°	343.2	344.3	347.8	350.1	353.5	355.8	359.2	360.4	361.5	362.7
7.5°	326.0	328.3	331.7	332.9	337.4	340.9	344.3	347.8	348.9	351.2
10°	308.7	309.9	311.0	314.5	316.8	321.4	326.0	328.3	330.6	330.6
12.5°	296.1	297.3	298.4	299.6	303.0	305.3	309.9	312.2	313.3	315.6
15°	288.1	288.1	290.4	290.4	292.7	296.1	298.4	301.9	303.0	305.3
17.5°	285.8	285.8	286.9	288.1	290.4	291.5	293.8	297.3	298.4	299.6
20°	286.9	288.1	288.1	289.2	291.5	292.7	295.0	296.1	297.3	298.4
22.5°	292.7	291.5	292.7	292.7	293.8	296.1	298.4	300.7	301.9	301.9
25°	300.7	299.6	299.6	301.9	303.0	304.2	307.6	308.7	309.9	309.9
27.5°	314.5	313.3	314.5	314.5	315.6	315.6	319.1	319.1	320.2	321.4
30°	328.3	324.8	324.8	324.8	326.0	328.3	329.4	331.7	332.9	332.9
32.5°	348.9	342.0	340.9	342.0	342.0	343.2	346.6	345.5	347.8	346.6
35°	375.3	368.4	366.1	366.1	366.1	366.1	369.6	367.3	369.6	368.4
37.5°	407.5	398.3	397.1	397.1	394.8	396.0	397.1	394.8	393.7	394.8
40°	441.9	425.8	424.7	425.8	425.8	425.8	425.8	424.7	423.5	424.7
42.5°	425.8	361.5	369.6	381.1	392.5	406.3	409.8	418.9	420.1	420.1
45°	371.9	208.9	220.4	237.6	244.5	249.1	261.7	281.2	286.9	288.1
47.5°	328.3	70.0	74.6	81.5	93.0	98.7	99.9	113.6	119.4	107.9
50°	324.8	16.1	11.5	11.5	12.6	10.3	10.3	11.5	11.5	11.5
52.5°	354.7	14.9	10.3	9.2	9.2	9.2	8.0	9.2	9.2	9.2
55°	385.6	14.9	10.3	9.2	9.2	9.2	8.0	8.0	8.0	8.0
57.5°	410.9	14.9	10.3	9.2	9.2	8.0	6.9	6.9	6.9	6.9
60°	440.7	14.9	10.3	9.2	9.2	6.9	5.7	5.7	5.7	5.7
62.5°	466.0	16.1	10.3	9.2	8.0	5.7	5.7	5.7	5.7	5.7
65°	502.7	16.1	10.3	8.0	5.7	4.6	4.6	4.6	4.6	4.6
67.5°	519.9	16.1	9.2	6.9	4.6	3.4	3.4	3.4	3.4	3.4
70°	468.3	12.6	6.9	4.6	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	400.6	9.2	4.6	3.4	2.3	2.3	2.3	2.3	2.3	1.1
75°	319.1	5.7	2.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0
77.5°	223.8	4.6	2.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0
80°	93.0	3.4	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.8	2.3	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.1	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	1.1	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°	1.1	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°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.1	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	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	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	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°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.1	1.1	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)