

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: P691140

Luminaire Tested: **CRTK2-C013-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2933 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - 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



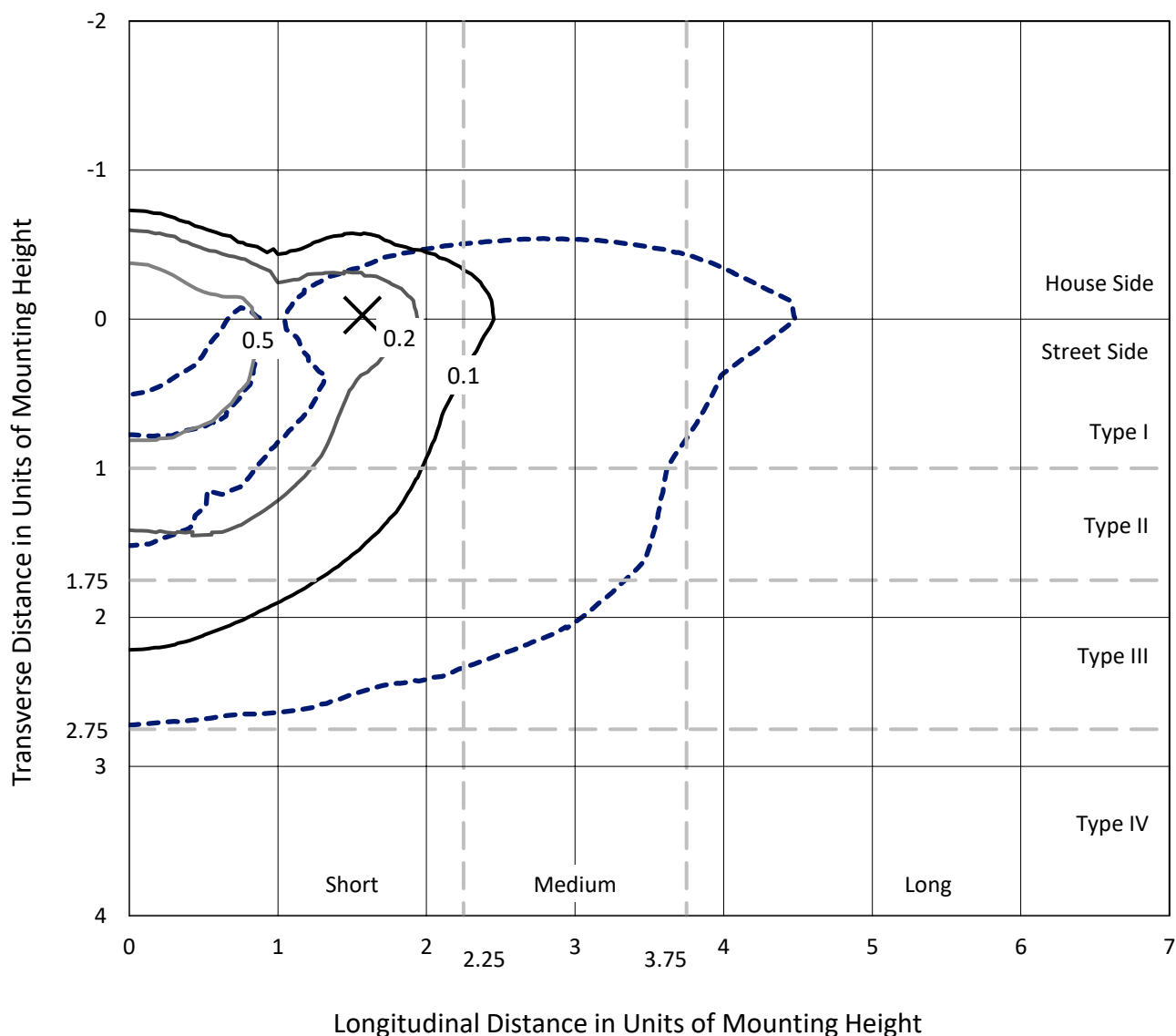
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

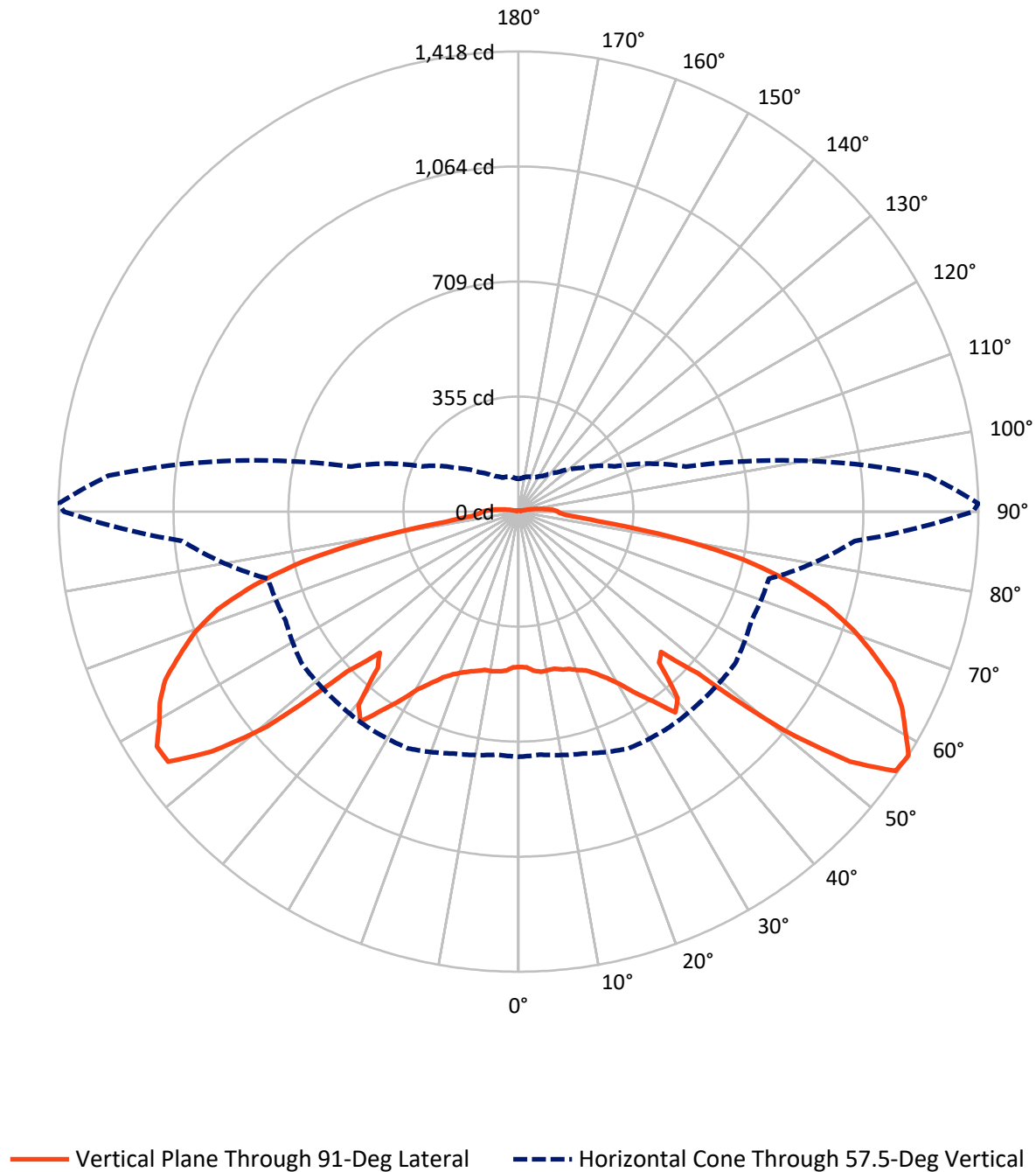


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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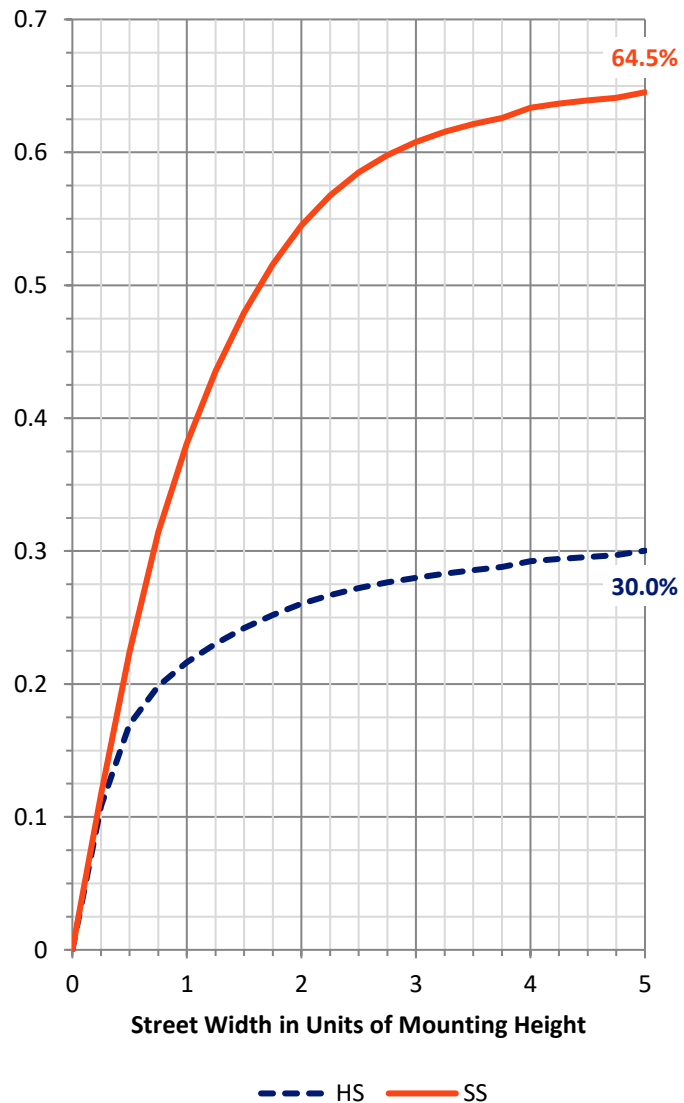
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	931.0	45.3	976.3
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	1918.0	38.8	1956.8
	% Fixture	65.4	1.3	66.7
Total	Lumens	2849.0	84.0	2933.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	1.6
10°-20°	142.5	4.9
20°-30°	242.4	8.3
30°-40°	341.0	11.6
40°-50°	323.8	11.0
50°-60°	485.1	16.5
60°-70°	627.7	21.4
70°-80°	475.1	16.2
80°-90°	164.6	5.6
90°-100°	61.8	2.1
100°-110°	14.5	0.5
110°-120°	5.0	0.2
120°-130°	2.5	0.1
130°-140°	0.2	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°	2849.0	97.1
0°-180°	2933.0	100.0

Coefficient of Utilization



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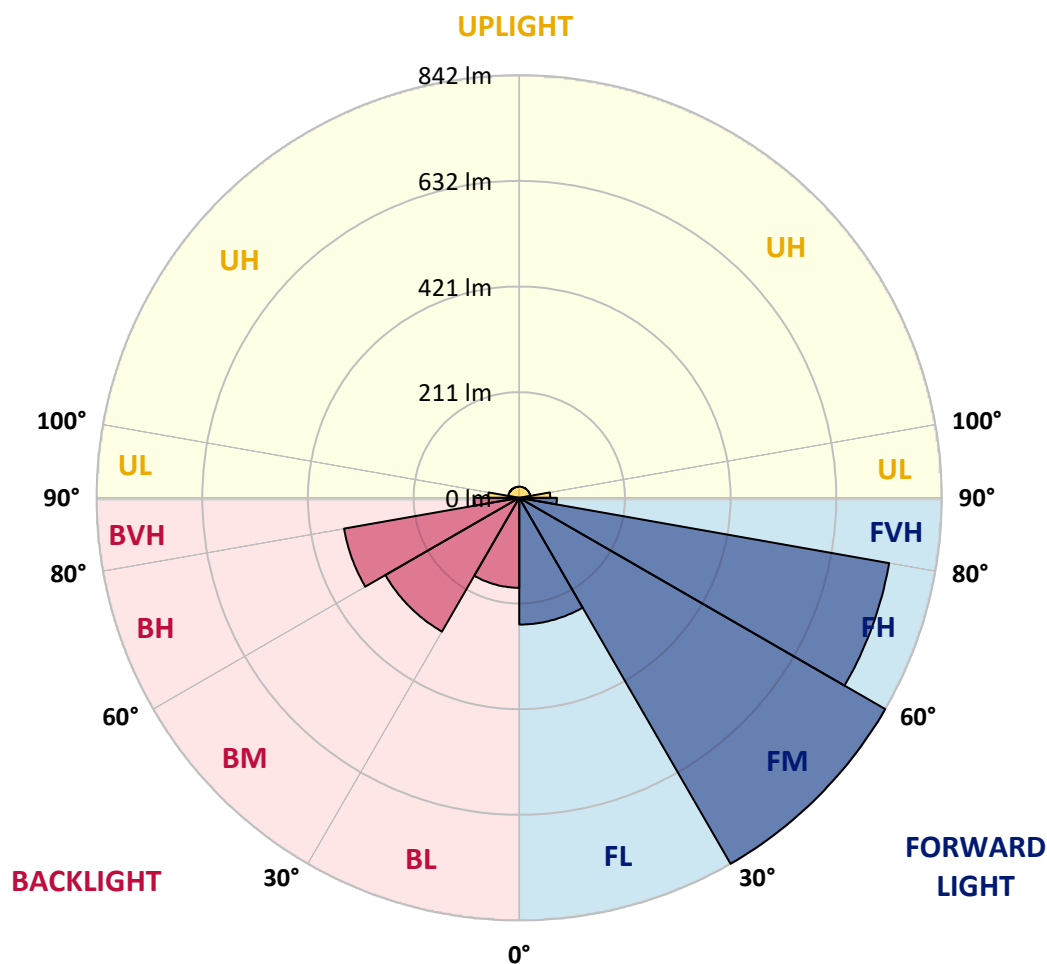
CATALOG NUMBER: CRTK2-C013-D-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.5	8.6			
FM	(30°-60°)	842.0	28.7			
FH	(60°-80°)	748.5	25.5			G1/1800
FVH	(80°-90°)	75.0	2.6			G1/100
BL	(0°-30°)	179.2	6.1	B1/500		
BM	(30°-60°)	307.9	10.5	B1/1000		
BH	(60°-80°)	354.3	12.1	B1/500		G1/500
BVH	(80°-90°)	89.5	3.1			G1/100
UL	(90°-100°)	61.8	2.1		U3/500	
UH	(100°-180°)	22.2	0.8		U2/50	

BUG Rating: B1-U3-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	470.1	470.1	470.1	471.1	474.0	476.0	476.9	476.0	476.9	478.9	480.8
5°	483.7	482.8	481.8	479.8	478.9	478.9	479.8	479.8	481.8	488.6	492.5
7.5°	496.4	494.4	493.4	493.4	492.5	487.6	486.6	483.7	482.8	491.5	497.3
10°	519.7	517.7	511.9	505.1	503.2	497.3	488.6	486.6	487.6	497.3	499.3
12.5°	541.0	540.1	536.2	529.4	519.7	513.8	501.2	495.4	496.4	502.2	498.3
15°	577.0	573.1	561.4	555.6	545.9	535.2	518.7	511.9	513.8	509.0	507.0
17.5°	598.3	595.4	595.4	584.7	577.9	559.5	543.9	531.3	536.2	523.6	512.9
20°	617.8	617.8	618.7	620.7	608.1	593.5	572.1	556.6	557.5	539.1	523.6
22.5°	647.9	645.0	647.9	650.8	642.1	629.4	603.2	587.7	580.9	557.5	537.1
25°	679.0	677.0	677.0	684.8	687.7	668.3	644.0	627.5	617.8	583.8	556.6
27.5°	710.0	711.0	713.9	716.8	721.7	712.0	687.7	675.1	662.5	614.9	587.7
30°	735.3	733.4	746.0	752.8	757.6	761.5	734.3	720.7	707.1	654.7	622.6
32.5°	763.5	763.5	775.1	787.8	794.6	802.3	780.0	771.2	756.7	702.3	680.9
35°	786.8	786.8	804.3	825.6	838.3	844.1	832.4	831.5	828.6	767.4	736.3
37.5°	708.1	717.8	745.0	787.8	836.3	875.2	878.1	897.5	907.2	841.2	801.4
40°	617.8	620.7	652.7	690.6	736.3	784.8	831.5	888.8	882.0	802.3	767.4
42.5°	556.6	564.3	605.1	634.3	664.4	694.5	694.5	692.6	644.0	658.6	645.0
45°	550.7	552.7	586.7	630.4	642.1	600.3	542.0	510.0	513.8	584.7	616.8
47.5°	611.0	613.9	648.9	690.6	648.9	575.0	517.7	512.9	510.0	635.3	744.0
50°	643.0	645.0	678.0	699.4	634.3	633.3	634.3	616.8	601.3	833.4	1067.5
52.5°	662.5	664.4	662.5	689.6	667.3	718.8	701.3	672.2	660.5	965.5	1260.8
55°	611.0	623.6	676.1	747.9	749.9	767.4	760.6	734.3	733.4	1015.0	1405.5
57.5°	755.7	751.8	772.2	805.2	811.1	812.0	815.9	792.6	799.4	1040.3	1401.6
60°	855.7	845.1	823.7	839.2	846.0	856.7	870.3	844.1	851.9	1062.6	1340.4
62.5°	950.0	933.5	850.9	848.0	858.7	880.0	899.5	879.1	885.9	1070.4	1297.7
65°	936.4	921.8	859.6	825.6	841.2	870.3	897.5	887.8	885.9	1053.9	1245.3
67.5°	807.2	808.2	801.4	801.4	795.5	837.3	881.0	882.0	872.3	1012.1	1166.6
70°	693.5	689.6	700.3	741.1	747.0	796.5	854.8	864.5	851.9	965.5	1090.8
72.5°	590.6	587.7	589.6	623.6	672.2	726.6	792.6	815.9	797.5	882.0	998.5
75°	488.6	485.7	484.7	496.4	535.2	603.2	679.0	720.7	705.2	760.6	863.5
77.5°	371.1	365.2	365.2	369.1	398.2	459.4	532.3	590.6	582.8	612.9	696.4
80°	246.7	247.7	245.7	244.8	264.2	300.1	353.6	423.5	419.6	419.6	462.4
82.5°	156.4	156.4	159.3	149.6	147.6	151.5	164.2	192.3	194.3	212.7	227.3
85°	100.0	101.0	101.0	91.3	88.4	91.3	100.0	108.8	112.7	131.1	147.6
87.5°	72.9	72.9	70.9	69.0	69.9	72.9	79.6	87.4	94.2	108.8	123.4
90°	55.4	55.4	54.4	53.4	55.4	59.3	68.0	76.7	85.5	102.0	115.6
92.5°	45.7	45.7	44.7	44.7	45.7	48.6	56.3	66.1	74.8	88.4	101.0
95°	37.9	38.9	37.9	38.9	39.8	41.8	46.6	54.4	60.2	69.0	77.7
97.5°	30.1	31.1	31.1	31.1	32.1	35.0	37.9	42.7	46.6	50.5	56.3
100°	22.3	23.3	23.3	23.3	24.3	27.2	30.1	32.1	33.0	34.0	36.9
102.5°	16.5	17.5	17.5	17.5	17.5	19.4	20.4	21.4	21.4	21.4	22.3
105°	11.7	11.7	11.7	11.7	11.7	11.7	12.6	12.6	12.6	12.6	12.6
107.5°	8.7	8.7	8.7	8.7	8.7	8.7	9.7	9.7	9.7	9.7	9.7
110°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.7	7.8	7.8	8.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.8	6.8	6.8	6.8	6.8	6.8	7.8	7.8	6.8	6.8	6.8
115°	5.8	5.8	5.8	5.8	5.8	5.8	6.8	6.8	5.8	5.8	5.8
117.5°	4.9	4.9	4.9	4.9	4.9	4.9	5.8	5.8	4.9	5.8	5.8
120°	4.9	5.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.8
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
125°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9	478.9
2.5°	480.8	482.8	486.6	490.5	494.4	498.3	500.2	501.2	502.2	500.2	501.2
5°	492.5	494.4	500.2	506.1	505.1	502.2	498.3	498.3	499.3	499.3	501.2
7.5°	498.3	501.2	499.3	500.2	502.2	499.3	495.4	490.5	484.7	484.7	485.7
10°	497.3	494.4	497.3	494.4	487.6	486.6	484.7	477.9	474.0	475.0	475.0
12.5°	497.3	496.4	490.5	487.6	481.8	471.1	466.2	468.2	463.3	464.3	462.4
15°	505.1	498.3	490.5	480.8	468.2	462.4	455.6	444.9	443.9	443.9	443.9
17.5°	510.0	505.1	487.6	468.2	459.4	444.9	437.1	434.2	426.4	429.3	431.3
20°	521.6	510.0	484.7	464.3	434.2	425.4	412.8	409.9	406.0	394.4	390.5
22.5°	531.3	520.6	481.8	445.8	420.6	400.2	380.8	367.2	360.4	355.5	351.6
25°	552.7	536.2	484.7	437.1	398.2	372.0	354.5	330.3	313.7	311.8	313.7
27.5°	580.9	554.6	491.5	425.4	380.8	340.0	305.0	288.5	271.0	265.2	266.1
30°	616.8	581.8	490.5	414.8	349.7	303.1	258.4	230.2	216.6	210.8	209.8
32.5°	668.3	619.7	512.9	401.2	321.5	251.6	203.0	168.0	161.2	160.3	159.3
35°	718.8	680.9	523.6	380.8	280.7	202.0	153.5	132.1	131.1	130.2	129.2
37.5°	785.8	741.1	553.7	368.1	241.9	152.5	123.4	107.8	104.9	100.0	102.0
40°	755.7	718.8	562.4	348.7	187.5	112.7	92.3	79.6	77.7	78.7	77.7
42.5°	636.2	609.0	490.5	300.1	129.2	82.6	69.0	70.9	74.8	77.7	77.7
45°	616.8	563.4	353.6	212.7	83.5	69.0	67.0	69.9	76.7	83.5	84.5
47.5°	745.0	677.0	309.9	164.2	96.2	78.7	71.9	71.9	75.8	76.7	75.8
50°	1055.8	952.9	362.3	188.4	119.5	95.2	82.6	77.7	79.6	81.6	80.6
52.5°	1280.2	1151.0	412.8	225.4	149.6	113.6	97.1	85.5	83.5	83.5	82.6
55°	1411.4	1264.7	472.1	277.8	187.5	137.0	112.7	99.1	94.2	90.3	90.3
57.5°	1418.2	1268.6	534.2	329.3	234.1	171.0	134.0	115.6	111.7	103.0	101.0
60°	1370.6	1252.1	581.8	380.8	278.8	218.6	171.0	143.8	138.9	134.0	131.1
62.5°	1326.8	1224.9	605.1	423.5	326.4	272.0	217.6	179.7	164.2	170.0	173.9
65°	1270.5	1194.7	589.6	427.4	347.7	304.0	251.6	196.2	170.0	182.6	189.4
67.5°	1184.1	1116.1	550.7	392.4	324.4	284.6	236.0	184.6	164.2	169.0	169.0
70°	1096.6	1023.8	512.9	365.2	292.4	250.6	205.0	165.1	162.2	159.3	159.3
72.5°	993.7	907.2	463.3	348.7	279.7	243.8	199.1	166.1	173.9	177.8	177.8
75°	863.5	767.4	410.9	334.1	273.9	248.7	200.1	178.7	192.3	194.3	194.3
77.5°	707.1	602.2	349.7	307.9	257.4	238.9	186.5	175.8	189.4	192.3	193.3
80°	486.6	426.4	293.3	268.1	230.2	214.7	171.9	171.0	184.6	191.4	192.3
82.5°	246.7	242.8	213.7	210.8	196.2	187.5	159.3	166.1	180.7	190.4	191.4
85°	152.5	158.3	142.8	140.8	145.7	149.6	144.7	158.3	169.0	179.7	181.6
87.5°	127.2	134.0	119.5	113.6	115.6	122.4	128.2	142.8	152.5	161.2	162.2
90°	119.5	125.3	102.0	97.1	101.0	105.9	109.8	117.5	125.3	130.2	130.2
92.5°	104.9	106.8	84.5	80.6	86.4	89.4	88.4	90.3	90.3	80.6	80.6
95°	80.6	80.6	64.1	64.1	69.0	69.9	63.1	57.3	53.4	32.1	27.2
97.5°	58.3	57.3	46.6	46.6	50.5	49.5	41.8	35.0	29.1	18.5	19.4
100°	38.9	37.9	31.1	33.0	35.0	31.1	26.2	21.4	17.5	11.7	13.6
102.5°	23.3	22.3	20.4	21.4	20.4	19.4	15.5	12.6	10.7	6.8	7.8
105°	13.6	12.6	12.6	12.6	12.6	11.7	10.7	7.8	5.8	3.9	3.9
107.5°	9.7	9.7	9.7	8.7	8.7	7.8	6.8	5.8	3.9	2.9	1.9
110°	8.7	7.8	7.8	7.8	6.8	6.8	5.8	4.9	2.9	1.9	1.9



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CATALOG NUMBER: CRTK2-C013-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.8	6.8	6.8	5.8	5.8	4.9	3.9	3.9	2.9	1.0	1.0
115°	5.8	5.8	4.9	4.9	3.9	3.9	2.9	2.9	1.9	1.0	1.0
117.5°	5.8	5.8	3.9	3.9	2.9	2.9	2.9	1.9	1.0	1.0	1.0
120°	5.8	4.9	3.9	2.9	2.9	2.9	1.9	1.9	1.0	0.0	1.0
122.5°	4.9	4.9	2.9	2.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0
125°	3.9	3.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0
127.5°	3.9	3.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0
130°	2.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	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	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

(END OF REPORT)