

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: P691124

Luminaire Tested: **CRTK2-C013-D-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3004 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type I - Short  
BUG Rating: B1 - U3 - G1

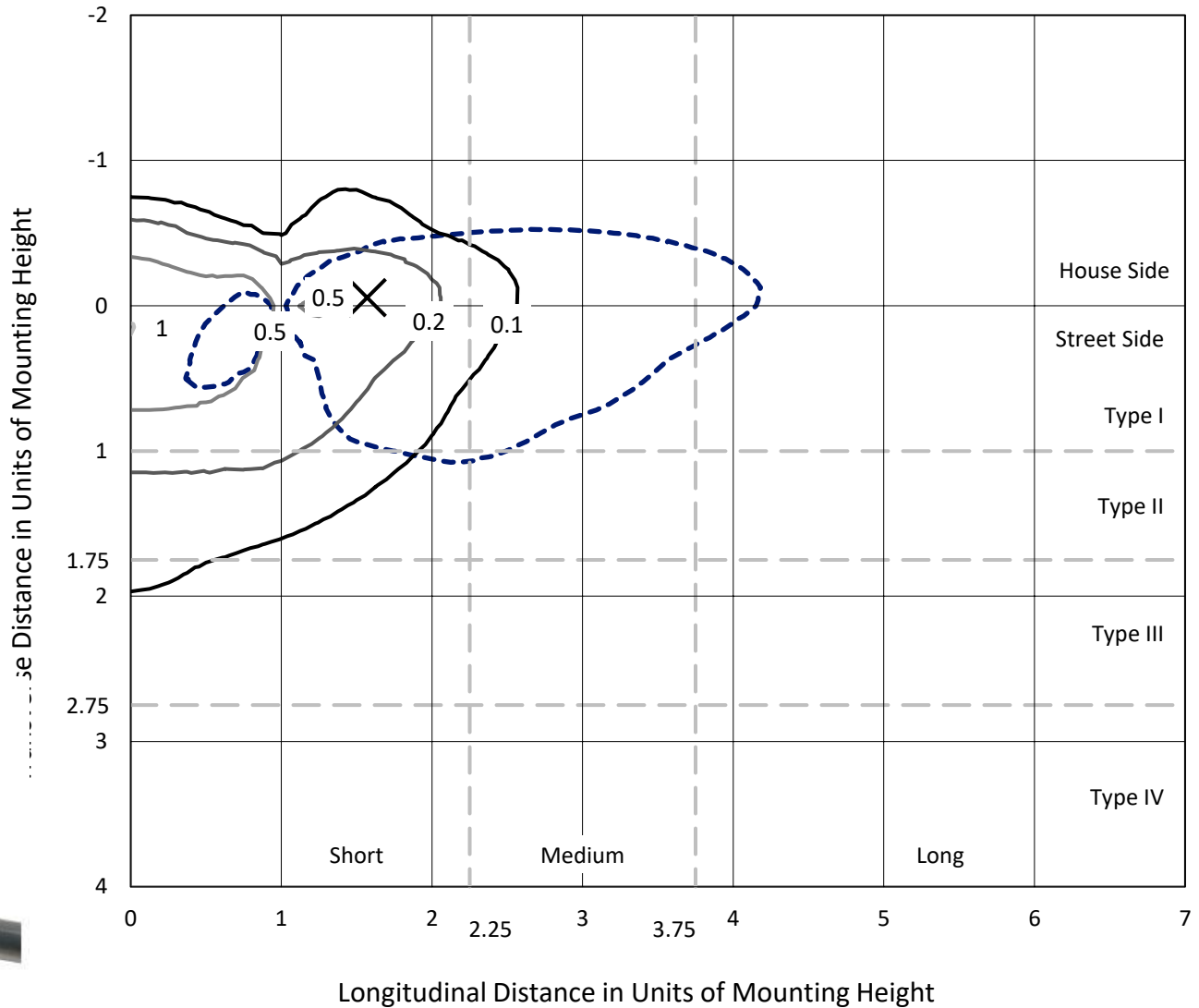
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P691124  
 CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER

### Iso-Footcandle Lines of Horizontal Illumination

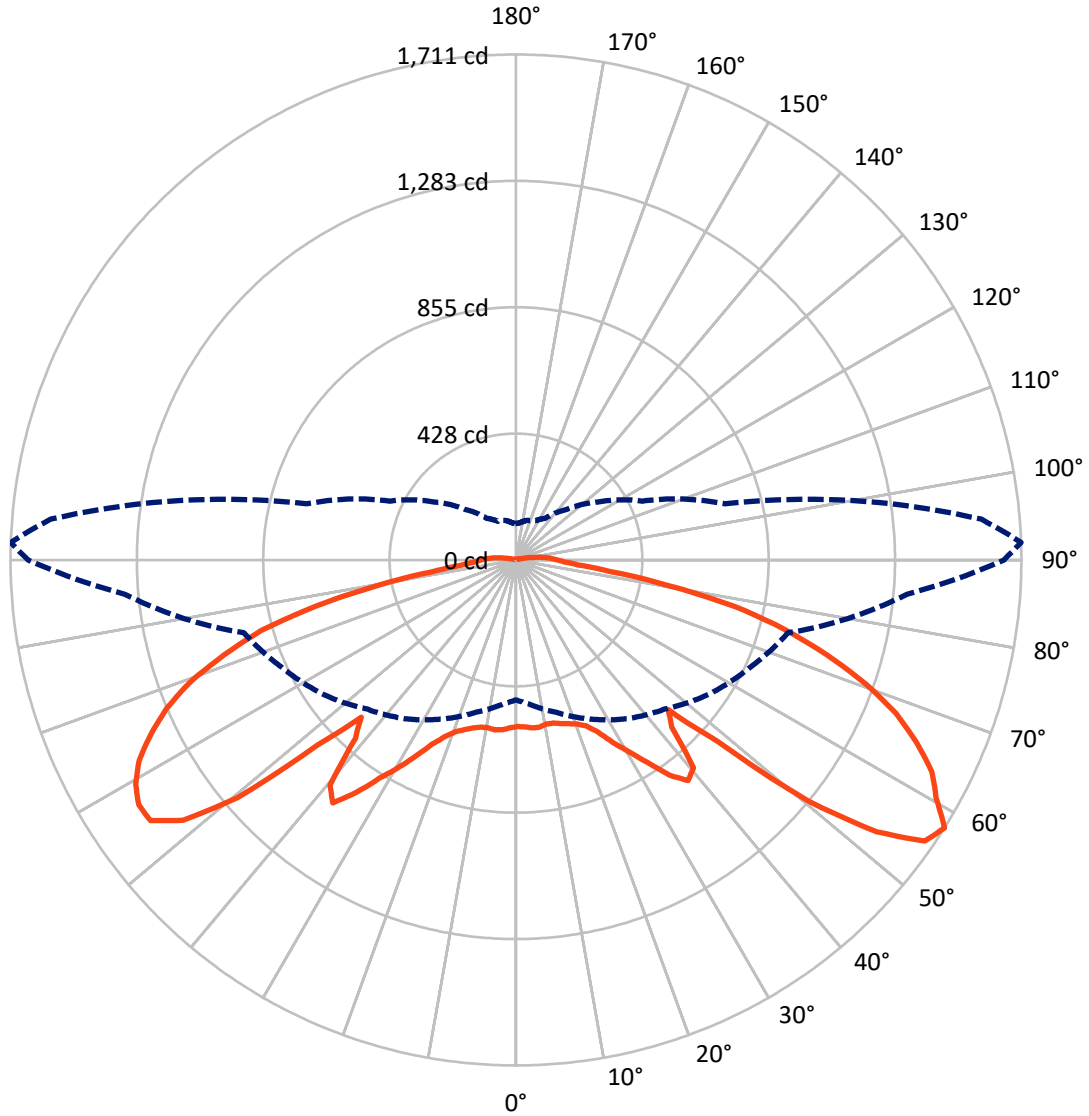
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type I - Short - N/A

REPORT NUMBER: P691124  
CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER

### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P691124  
 CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER

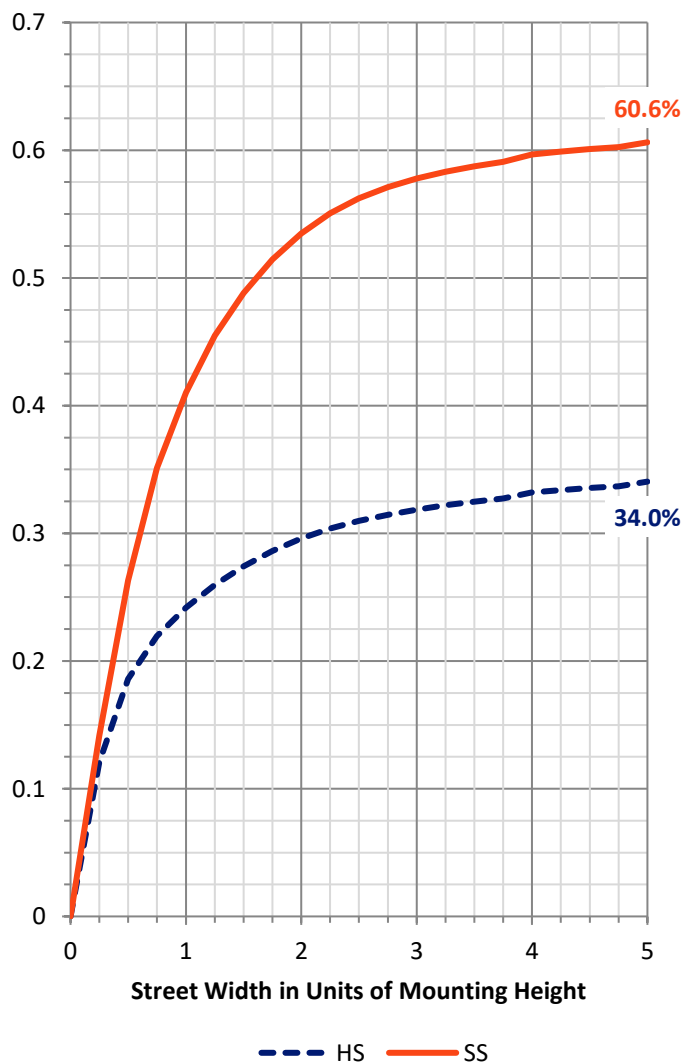
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1071.9	46.8	1118.7
	% Fixture	35.7	1.6	37.2
<b>Street Side</b>	Lumens	1847.1	38.2	1885.3
	% Fixture	61.5	1.3	62.8
<b>Total</b>	Lumens	2918.9	85.0	3004.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.0	1.8
10°-20°	159.2	5.3
20°-30°	264.0	8.8
30°-40°	365.4	12.2
40°-50°	341.2	11.4
50°-60°	509.8	17.0
60°-70°	605.6	20.2
70°-80°	444.5	14.8
80°-90°	175.2	5.8
90°-100°	61.7	2.1
100°-110°	14.6	0.5
110°-120°	5.6	0.2
120°-130°	2.9	0.1
130°-140°	0.3	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°	2918.9	97.2
0°-180°	3004.0	100.0



REPORT NUMBER: P691124

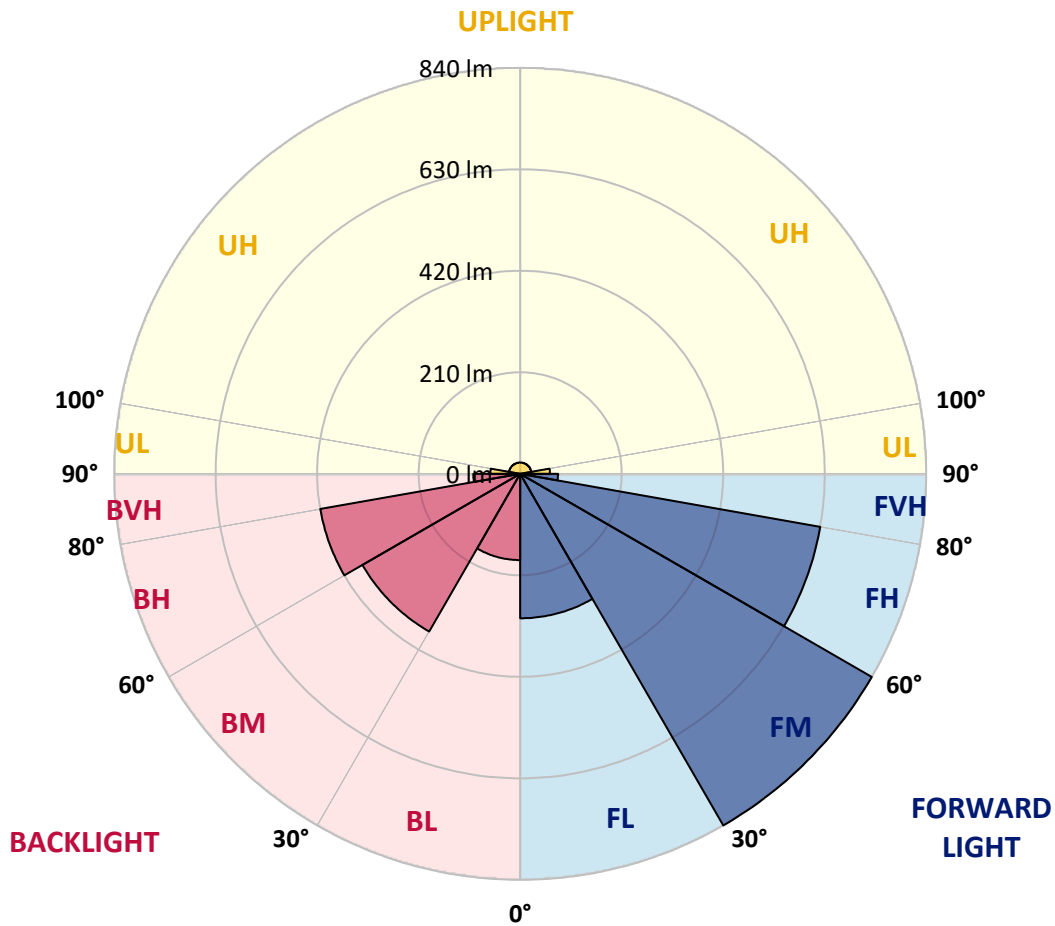
CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.8	9.9			
FM (30°-60°)	839.8	28.0			
FH (60°-80°)	630.2	21.0			G0/660
FVH (80°-90°)	78.3	2.6			G1/100
BL (0°-30°)	178.4	5.9	B1/500		
BM (30°-60°)	376.7	12.5	B1/1000		
BH (60°-80°)	419.9	14.0	B1/500		G1/500
BVH (80°-90°)	96.9	3.2			G1/100
UL (90°-100°)	61.7	2.1		U3/500	
UH (100°-180°)	23.3	0.8		U2/50	

**BUG Rating: B1-U3-G1**

Type I Short





REPORT NUMBER: P691124

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5
2.5°	587.8	583.7	584.7	583.7	581.7	579.7	577.7	575.6	572.6	569.6	567.5
5°	622.2	618.1	618.1	618.1	614.1	608.0	599.9	594.9	587.8	579.7	573.6
7.5°	645.4	642.4	641.4	640.4	635.3	631.3	622.2	606.0	594.9	584.7	575.6
10°	653.5	653.5	652.5	649.5	644.4	639.4	633.3	618.1	599.9	582.7	570.6
12.5°	668.7	670.7	667.7	662.6	660.6	654.6	645.4	633.3	613.1	586.8	572.6
15°	692.0	691.0	686.9	685.9	683.9	676.8	668.7	653.5	630.3	596.9	580.7
17.5°	702.1	701.1	701.1	701.1	701.1	696.0	695.0	677.8	653.5	613.1	592.8
20°	704.1	704.1	707.2	714.2	715.3	714.2	719.3	708.2	679.8	633.3	606.0
22.5°	717.3	718.3	723.3	730.4	735.5	737.5	741.6	746.6	720.3	665.7	631.3
25°	710.2	715.3	726.4	737.5	749.6	756.7	779.0	796.2	773.9	713.2	666.7
27.5°	698.1	702.1	724.4	744.6	771.9	801.2	833.6	855.9	842.7	771.9	723.3
30°	709.2	709.2	723.3	756.7	792.1	845.8	893.3	917.6	911.5	833.6	789.1
32.5°	685.9	692.0	722.3	770.9	824.5	894.3	942.9	988.4	994.5	913.5	841.7
35°	617.1	630.3	650.5	714.2	805.3	926.7	1001.6	1059.2	1084.5	1004.6	920.6
37.5°	509.9	514.9	557.4	621.2	729.4	849.8	979.3	1119.9	1172.5	1073.4	999.5
40°	450.2	453.2	480.5	536.2	627.2	745.6	854.9	999.5	1041.0	1030.9	961.1
42.5°	430.0	435.0	467.4	521.0	597.9	679.8	708.2	770.9	754.7	798.2	820.5
45°	454.2	457.3	480.5	527.1	575.6	611.1	590.8	635.3	657.6	743.6	748.6
47.5°	471.4	473.5	498.8	557.4	565.5	566.5	593.9	620.2	681.9	868.0	951.0
50°	404.7	414.8	463.3	513.9	518.0	597.9	675.8	728.4	804.3	1143.2	1302.0
52.5°	375.3	380.4	433.0	521.0	579.7	672.8	728.4	781.0	853.9	1262.6	1541.8
55°	411.8	419.8	482.6	580.7	639.4	703.1	772.9	837.7	909.5	1324.3	1649.0
57.5°	473.5	488.6	534.2	593.9	655.6	713.2	794.2	869.0	953.0	1328.3	1651.0
60°	595.9	584.7	559.5	585.8	645.4	711.2	804.3	884.2	977.3	1327.3	1604.5
62.5°	679.8	663.7	579.7	567.5	623.2	690.0	782.0	882.2	972.2	1282.8	1551.9
65°	663.7	652.5	587.8	543.3	583.7	655.6	751.7	870.0	947.9	1235.3	1456.8
67.5°	572.6	559.5	532.1	514.9	535.2	619.1	723.3	845.8	919.6	1180.6	1352.6
70°	467.4	460.3	451.2	469.4	494.7	573.6	671.8	793.2	866.0	1076.4	1241.3
72.5°	396.6	392.5	381.4	400.6	443.1	513.9	595.9	717.3	799.2	935.8	1103.7
75°	333.9	334.9	328.8	340.9	368.2	438.1	502.8	621.2	712.2	803.3	955.0
77.5°	274.2	271.1	277.2	284.3	302.5	353.1	396.6	499.8	608.0	637.4	732.5
80°	200.3	205.4	216.5	215.5	230.7	252.9	282.3	336.9	426.9	456.3	492.7
82.5°	141.6	147.7	157.8	146.7	148.7	154.8	167.9	193.2	240.8	270.1	300.5
85°	100.2	103.2	105.2	97.1	97.1	101.2	110.3	128.5	157.8	176.0	192.2
87.5°	72.8	73.9	77.9	73.9	74.9	76.9	85.0	97.1	121.4	134.6	147.7
90°	55.6	55.6	57.7	56.7	58.7	62.7	70.8	80.9	99.1	115.3	127.5
92.5°	40.5	40.5	42.5	43.5	44.5	49.6	56.7	64.7	76.9	97.1	109.3
95°	31.4	31.4	33.4	33.4	34.4	38.4	44.5	52.6	61.7	75.9	87.0
97.5°	23.3	23.3	25.3	25.3	26.3	29.3	34.4	39.5	47.5	56.7	61.7
100°	18.2	18.2	19.2	19.2	20.2	23.3	26.3	29.3	31.4	36.4	38.4
102.5°	15.2	15.2	15.2	15.2	15.2	17.2	18.2	18.2	19.2	22.3	23.3
105°	12.1	12.1	12.1	11.1	11.1	12.1	12.1	12.1	13.2	13.2	14.2
107.5°	9.1	9.1	9.1	9.1	9.1	10.1	10.1	10.1	10.1	11.1	11.1
110°	8.1	8.1	8.1	8.1	8.1	8.1	9.1	9.1	9.1	9.1	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.1	7.1	7.1	7.1	7.1	7.1	8.1	8.1	8.1	8.1	8.1
115°	6.1	6.1	6.1	6.1	6.1	7.1	8.1	7.1	7.1	7.1	7.1
117.5°	5.1	5.1	5.1	6.1	6.1	6.1	7.1	6.1	6.1	6.1	7.1
120°	4.0	4.0	5.1	5.1	5.1	5.1	5.1	5.1	6.1	6.1	6.1
122.5°	4.0	4.0	4.0	4.0	4.0	5.1	5.1	5.1	5.1	5.1	6.1
125°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	5.1	5.1
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
130°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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





REPORT NUMBER: P691124

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**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5	563.5
2.5°	565.5	565.5	559.5	553.4	547.3	541.2	536.2	533.2	529.1	530.1	530.1
5°	570.6	567.5	554.4	546.3	537.2	529.1	521.0	513.9	511.9	510.9	506.8
7.5°	571.6	566.5	552.4	540.2	523.0	503.8	494.7	486.6	481.6	485.6	483.6
10°	564.5	558.4	542.3	524.0	499.8	483.6	469.4	461.3	457.3	458.3	457.3
12.5°	566.5	559.5	533.2	505.8	485.6	458.3	441.1	434.0	428.9	428.9	425.9
15°	574.6	562.5	525.1	496.7	463.3	440.1	419.8	414.8	412.8	410.7	407.7
17.5°	582.7	565.5	524.0	480.5	443.1	417.8	397.6	388.5	383.4	383.4	382.4
20°	592.8	571.6	518.0	463.3	423.9	390.5	366.2	358.1	354.1	353.1	351.1
22.5°	610.0	587.8	514.9	456.3	398.6	364.2	340.9	325.8	317.7	316.7	316.7
25°	644.4	617.1	521.0	437.0	381.4	336.9	308.6	293.4	284.3	284.3	283.3
27.5°	699.1	655.6	530.1	430.0	349.0	307.5	278.2	254.9	246.8	246.8	247.9
30°	752.7	714.2	553.4	414.8	330.8	269.1	233.7	216.5	206.4	202.3	203.3
32.5°	816.4	776.0	585.8	404.7	294.4	223.6	191.2	182.1	166.9	162.9	159.8
35°	894.3	835.6	622.2	390.5	266.1	190.2	163.9	145.7	138.6	133.5	132.5
37.5°	946.9	895.3	654.6	393.5	226.6	172.0	142.6	123.4	116.3	117.4	117.4
40°	924.7	865.0	662.6	373.3	193.2	149.7	119.4	108.2	104.2	105.2	106.2
42.5°	772.9	741.6	548.3	333.9	159.8	120.4	100.2	100.2	103.2	100.2	100.2
45°	722.3	643.4	398.6	234.7	120.4	99.1	95.1	98.1	105.2	105.2	105.2
47.5°	914.6	825.5	357.1	196.3	134.6	111.3	103.2	98.1	99.1	98.1	98.1
50°	1282.8	1143.2	479.5	244.8	162.9	132.5	117.4	107.2	107.2	105.2	103.2
52.5°	1527.6	1380.9	583.7	306.5	204.4	154.8	134.6	116.3	110.3	106.2	105.2
55°	1679.4	1568.1	673.8	392.5	266.1	184.1	149.7	130.5	121.4	113.3	112.3
57.5°	1710.7	1581.2	733.5	471.4	343.0	241.8	172.0	144.7	138.6	125.4	123.4
60°	1633.9	1547.9	756.7	523.0	409.7	318.7	224.6	167.9	154.8	145.7	143.7
62.5°	1580.2	1481.1	748.6	540.2	451.2	382.4	295.4	206.4	168.9	170.0	179.1
65°	1490.2	1423.4	688.9	514.9	449.2	403.7	331.8	238.8	174.0	172.0	183.1
67.5°	1387.0	1334.4	629.3	459.3	413.8	374.3	308.6	227.6	164.9	154.8	155.8
70°	1254.5	1210.0	568.6	427.9	381.4	331.8	268.1	197.3	162.9	146.7	146.7
72.5°	1101.7	1049.1	518.0	404.7	364.2	318.7	257.0	190.2	175.0	168.9	174.0
75°	939.8	873.1	478.5	382.4	352.1	318.7	256.0	190.2	175.0	170.0	170.0
77.5°	757.7	718.3	436.0	347.0	327.8	303.5	235.7	177.0	172.0	170.0	170.0
80°	524.0	518.0	355.1	301.5	296.4	287.3	221.6	171.0	171.0	167.9	163.9
82.5°	321.7	306.5	253.9	225.6	242.8	256.0	201.3	160.9	156.8	153.8	151.8
85°	208.4	209.4	178.1	157.8	167.9	195.3	170.0	145.7	139.6	141.6	141.6
87.5°	159.8	164.9	139.6	128.5	126.5	132.5	133.5	130.5	126.5	123.4	124.4
90°	137.6	139.6	112.3	103.2	102.2	104.2	104.2	110.3	110.3	100.2	94.1
92.5°	115.3	118.4	93.1	84.0	84.0	87.0	89.0	89.0	80.9	65.8	58.7
95°	91.1	93.1	73.9	66.8	67.8	67.8	66.8	63.7	49.6	29.3	26.3
97.5°	63.7	64.7	54.6	50.6	51.6	49.6	43.5	39.5	30.4	17.2	16.2
100°	40.5	41.5	34.4	33.4	36.4	32.4	28.3	26.3	18.2	11.1	13.2
102.5°	24.3	24.3	21.2	20.2	22.3	19.2	17.2	14.2	11.1	7.1	9.1
105°	14.2	14.2	13.2	13.2	13.2	12.1	11.1	9.1	6.1	5.1	5.1
107.5°	11.1	11.1	10.1	10.1	9.1	9.1	8.1	6.1	4.0	3.0	3.0
110°	9.1	9.1	8.1	8.1	8.1	7.1	6.1	5.1	3.0	2.0	2.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	8.1	7.1	7.1	6.1	6.1	5.1	4.0	3.0	2.0	2.0
115°	7.1	7.1	6.1	5.1	5.1	5.1	4.0	3.0	2.0	1.0	2.0
117.5°	7.1	7.1	5.1	4.0	4.0	4.0	3.0	3.0	2.0	1.0	1.0
120°	6.1	6.1	4.0	4.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0
122.5°	5.1	5.1	4.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0
125°	5.1	5.1	3.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0
127.5°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0
130°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	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)