

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: P691155

Luminaire Tested: **CRTK2-C013-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

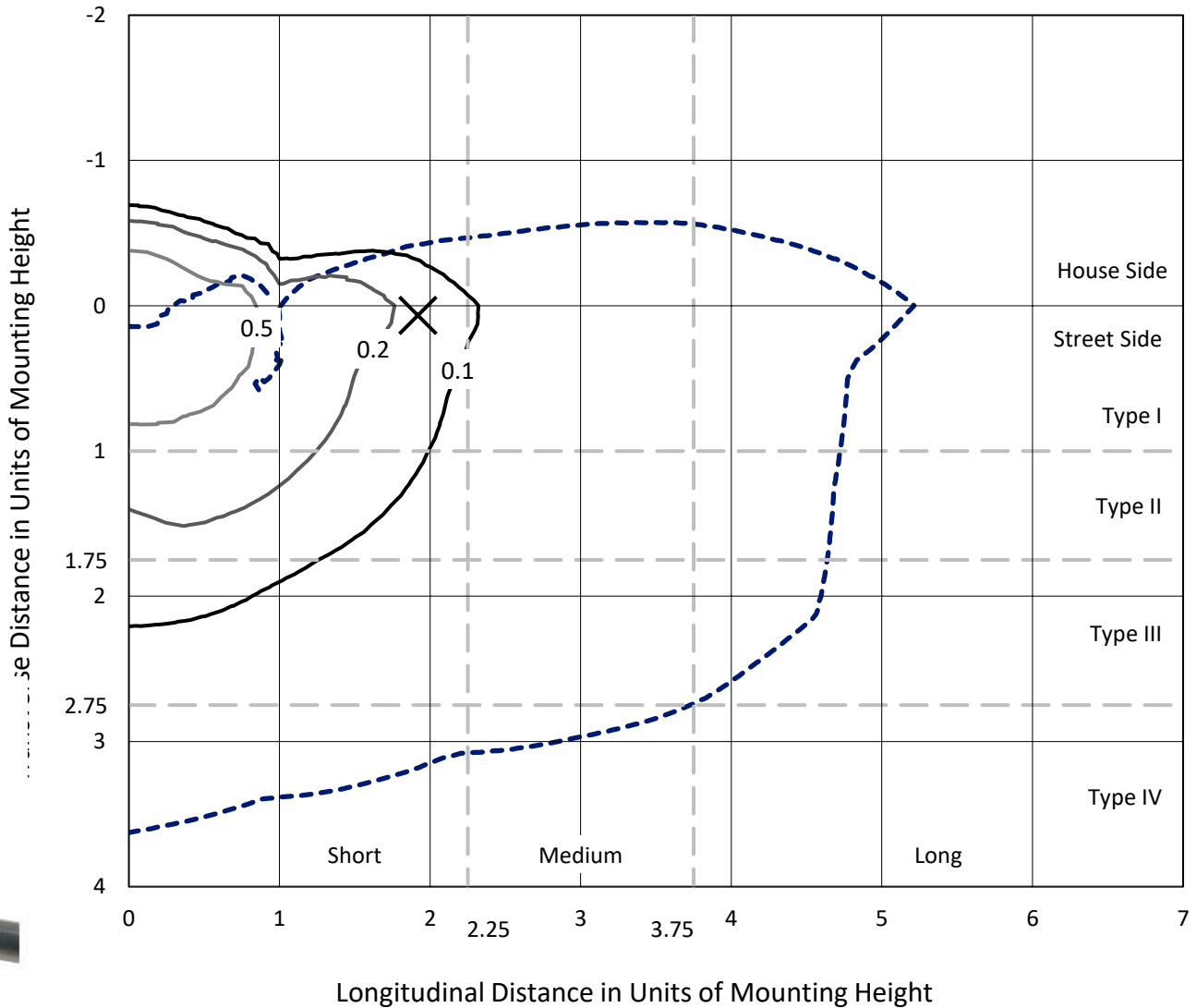
Lumens per Lamp: N/A  
Luminaire Lumens: 2640 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G1  
  
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

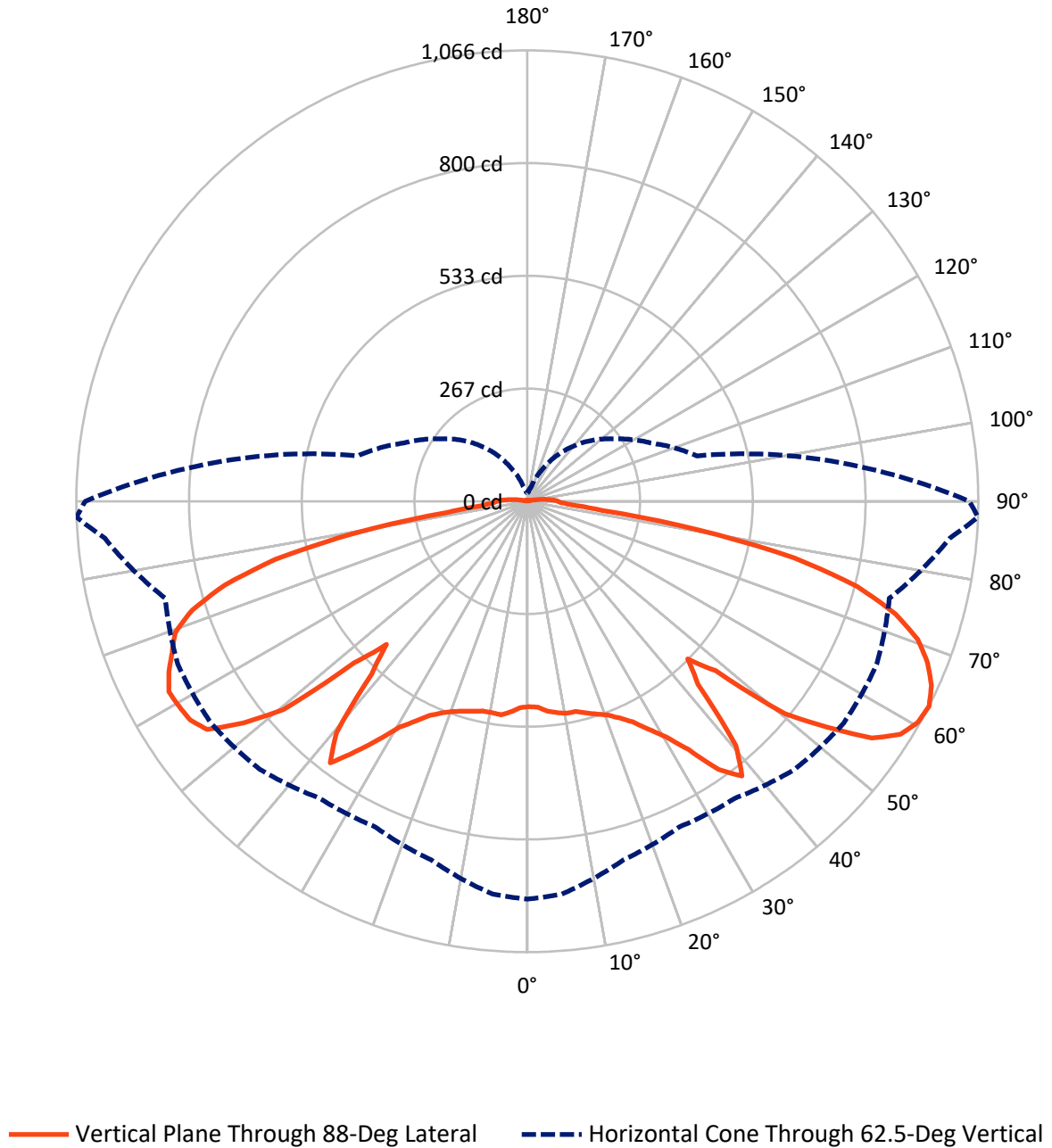
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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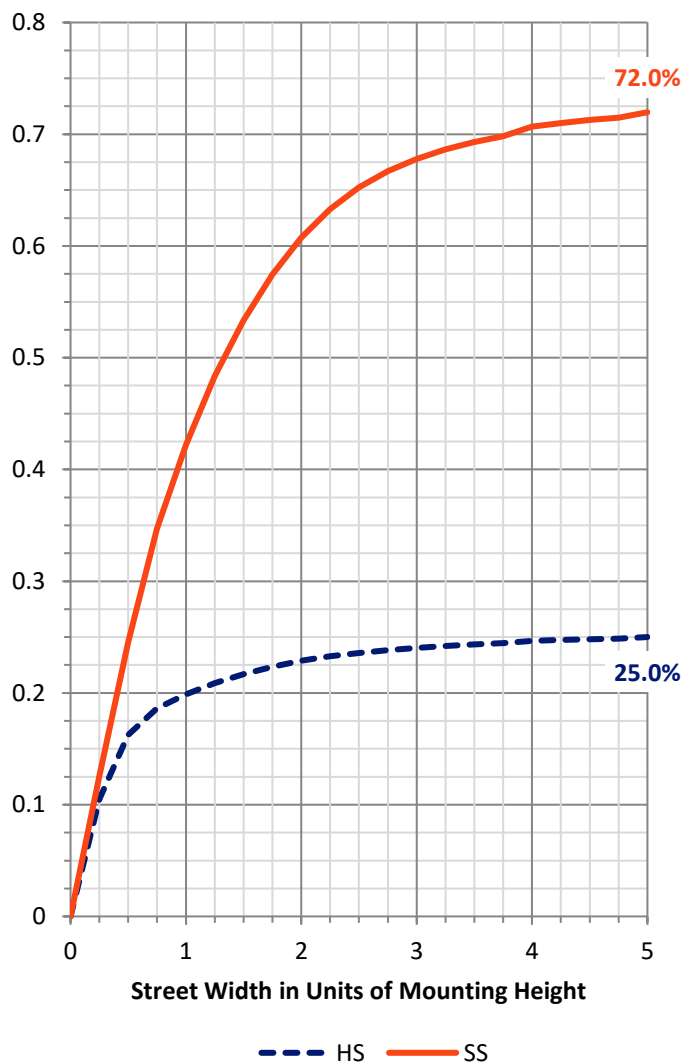
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	671.6	12.6	684.3
	% Fixture	25.4	0.5	25.9
<b>Street Side</b>	Lumens	1924.5	31.2	1955.7
	% Fixture	72.9	1.2	74.1
<b>Total</b>	Lumens	2596.1	43.8	2640.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.9	1.8
10°-20°	146.1	5.5
20°-30°	247.4	9.4
30°-40°	341.6	12.9
40°-50°	295.4	11.2
50°-60°	427.7	16.2
60°-70°	559.8	21.2
70°-80°	424.5	16.1
80°-90°	105.9	4.0
90°-100°	31.1	1.2
100°-110°	7.2	0.3
110°-120°	3.2	0.1
120°-130°	2.1	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°	2596.1	98.3
0°-180°	2640.0	100.0

**Coefficient of Utilization**



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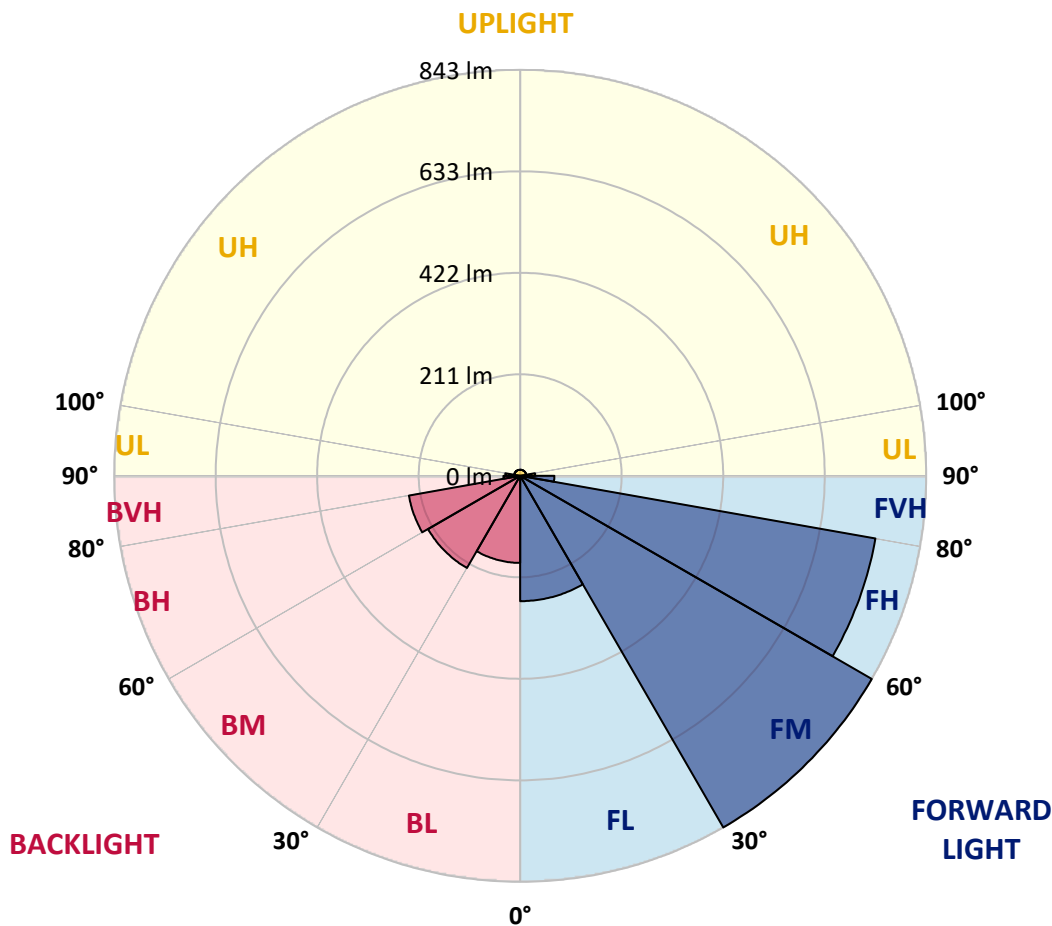
CATALOG NUMBER: CRTK2-C013-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.5	9.9			
FM (30°-60°)	843.5	32.0			
FH (60°-80°)	749.4	28.4			G1/1800
FVH (80°-90°)	71.1	2.7			G1/100
BL (0°-30°)	180.9	6.9	B1/500		
BM (30°-60°)	221.1	8.4	B1/1000		
BH (60°-80°)	234.8	8.9	B1/500		G1/500
BVH (80°-90°)	34.8	1.3			G1/100
UL (90°-100°)	31.1	1.2		U2/50	
UH (100°-180°)	12.7	0.5		U2/50	

**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°	88°
0°	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5
2.5°	480.4	480.4	479.4	480.4	482.5	484.5	482.5	483.5	484.5	486.5	487.5
5°	498.6	497.6	495.6	493.6	491.6	491.6	489.5	488.5	490.5	496.6	498.6
7.5°	513.8	510.8	508.7	509.8	506.7	501.7	497.6	495.6	493.6	501.7	504.7
10°	538.1	536.1	529.0	522.9	518.9	510.8	501.7	500.7	499.6	507.7	509.8
12.5°	562.4	560.3	556.3	550.2	537.1	530.0	515.8	509.8	508.7	513.8	509.8
15°	597.8	593.7	582.6	576.5	563.4	552.2	535.0	525.9	528.0	520.9	518.9
17.5°	618.0	616.0	614.9	605.8	595.7	576.5	560.3	547.2	551.2	535.0	529.0
20°	640.2	639.2	641.2	642.3	629.1	611.9	591.7	571.5	572.5	551.2	539.1
22.5°	668.6	665.5	669.6	674.6	663.5	649.3	623.0	606.9	598.8	570.4	556.3
25°	701.9	700.9	700.9	710.0	708.0	688.8	663.5	645.3	637.2	598.8	577.5
27.5°	736.3	737.3	739.4	745.4	748.5	737.3	713.1	696.9	681.7	631.1	609.9
30°	758.6	758.6	772.7	781.8	785.9	785.9	756.5	744.4	729.2	672.6	646.3
32.5°	785.9	787.9	801.1	816.2	822.3	830.4	806.1	797.0	783.9	724.2	699.9
35°	805.1	808.1	828.4	851.6	867.8	871.9	857.7	861.7	855.7	791.9	778.8
37.5°	721.1	729.2	759.6	805.1	848.6	891.1	906.2	926.5	929.5	855.7	824.3
40°	628.1	631.1	665.5	698.9	752.5	786.9	825.3	869.8	845.6	765.7	759.6
42.5°	557.3	570.4	618.0	643.3	684.7	692.8	673.6	645.3	601.8	594.7	591.7
45°	545.2	558.3	605.8	647.3	667.5	568.4	514.8	477.4	494.6	537.1	532.0
47.5°	601.8	618.0	667.5	715.1	673.6	563.4	528.0	527.0	512.8	585.6	598.8
50°	636.2	649.3	707.0	706.0	672.6	619.0	638.2	617.0	591.7	716.1	789.9
52.5°	653.4	665.5	685.7	711.0	714.1	710.0	715.1	697.9	659.5	831.4	887.0
55°	605.8	636.2	724.2	767.7	785.9	774.8	777.8	765.7	740.4	903.2	988.2
57.5°	758.6	774.8	807.1	818.2	829.4	824.3	828.4	824.3	801.1	956.8	1039.7
60°	846.6	846.6	860.7	842.5	848.6	865.8	877.9	877.9	853.6	996.3	1061.0
62.5°	940.6	932.5	877.9	849.6	856.7	895.1	913.3	911.3	886.0	1002.3	1066.0
65°	922.4	908.3	889.0	827.3	835.4	889.0	914.3	913.3	887.0	980.1	1049.9
67.5°	786.9	800.0	823.3	818.2	798.0	859.7	899.2	901.2	870.8	942.7	1020.5
70°	681.7	689.8	704.0	746.4	755.5	819.3	882.0	891.1	850.6	899.2	979.1
72.5°	593.7	598.8	587.6	631.1	663.5	747.4	821.3	838.5	797.0	824.3	909.3
75°	507.7	496.6	483.5	502.7	528.0	617.0	707.0	741.4	705.0	722.2	806.1
77.5°	394.5	378.3	365.1	370.2	393.4	470.3	557.3	611.9	579.5	578.5	645.3
80°	269.0	254.9	245.8	243.8	260.9	308.5	371.2	435.9	407.6	380.3	409.6
82.5°	167.9	167.9	159.8	147.7	146.7	155.8	167.9	184.1	174.0	169.9	179.0
85°	105.2	106.2	102.2	89.0	86.0	88.0	94.1	98.1	95.1	98.1	101.1
87.5°	73.8	72.8	67.8	65.7	64.7	67.8	72.8	74.8	74.8	77.9	77.9
90°	55.6	55.6	52.6	51.6	51.6	54.6	59.7	63.7	66.8	71.8	71.8
92.5°	46.5	46.5	44.5	43.5	43.5	44.5	48.5	53.6	56.6	61.7	59.7
95°	38.4	38.4	37.4	37.4	37.4	38.4	40.5	43.5	44.5	44.5	44.5
97.5°	30.3	29.3	28.3	28.3	28.3	29.3	30.3	33.4	34.4	31.4	31.4
100°	21.2	20.2	19.2	20.2	20.2	20.2	21.2	22.3	22.3	20.2	19.2
102.5°	13.1	13.1	13.1	13.1	12.1	12.1	12.1	12.1	11.1	10.1	10.1
105°	9.1	9.1	8.1	8.1	8.1	8.1	7.1	7.1	7.1	6.1	6.1
107.5°	7.1	7.1	7.1	7.1	7.1	6.1	6.1	6.1	6.1	5.1	5.1
110°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.1	5.1	4.0	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	6.1	6.1	6.1	6.1	6.1	5.1	5.1	5.1	5.1	4.0	4.0
115°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.0	4.0
117.5°	5.1	5.1	5.1	5.1	5.1	5.1	4.0	4.0	4.0	5.1	4.0
120°	5.1	5.1	5.1	5.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0
122.5°	5.1	5.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
125°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
130°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5
2.5°	487.5	489.5	493.6	498.6	502.7	505.7	507.7	509.8	509.8	507.7	509.8
5°	498.6	500.7	507.7	512.8	512.8	509.8	507.7	506.7	508.7	509.8	511.8
7.5°	507.7	509.8	506.7	508.7	510.8	507.7	503.7	500.7	497.6	494.6	496.6
10°	508.7	503.7	503.7	501.7	494.6	495.6	494.6	489.5	485.5	486.5	487.5
12.5°	507.7	505.7	497.6	493.6	490.5	480.4	476.4	479.4	473.3	476.4	472.3
15°	516.8	506.7	498.6	488.5	477.4	472.3	465.3	455.1	451.1	452.1	453.1
17.5°	522.9	512.8	493.6	475.4	469.3	453.1	445.0	440.0	432.9	433.9	437.9
20°	533.0	517.9	490.5	471.3	442.0	430.9	420.8	414.7	408.6	399.5	395.5
22.5°	547.2	528.0	486.5	451.1	425.8	406.6	384.3	369.2	361.1	355.0	354.0
25°	565.4	543.1	487.5	442.0	401.5	373.2	354.0	327.7	308.5	306.5	309.5
27.5°	598.8	560.3	493.6	427.8	381.3	337.8	302.4	284.2	262.0	256.9	256.9
30°	631.1	587.6	489.5	415.7	346.9	298.4	250.8	216.4	204.3	195.2	194.2
32.5°	690.8	626.1	510.8	397.5	315.6	239.7	187.1	149.7	141.6	138.6	137.6
35°	745.4	678.7	512.8	374.2	269.0	186.1	134.5	109.2	104.2	101.1	100.1
37.5°	804.1	729.2	533.0	355.0	223.5	131.5	97.1	77.9	71.8	67.8	65.7
40°	736.3	668.6	523.9	322.6	165.9	83.9	60.7	42.5	36.4	36.4	36.4
42.5°	576.5	507.7	396.5	260.9	97.1	48.5	30.3	29.3	30.3	31.4	31.4
45°	510.8	420.8	242.7	138.6	40.5	27.3	24.3	23.3	26.3	29.3	30.3
47.5°	600.8	500.7	187.1	97.1	43.5	27.3	22.3	22.3	21.2	19.2	19.2
50°	812.2	675.6	214.4	111.3	54.6	30.3	22.3	19.2	19.2	20.2	21.2
52.5°	916.4	752.5	252.9	144.6	79.9	41.5	24.3	19.2	17.2	14.2	14.2
55°	1006.4	813.2	299.4	187.1	117.3	64.7	34.4	20.2	17.2	14.2	13.1
57.5°	1035.7	820.3	348.9	235.7	159.8	101.1	59.7	28.3	18.2	15.2	14.2
60°	1039.7	828.4	386.4	287.2	208.4	147.7	98.1	51.6	23.3	18.2	17.2
62.5°	1044.8	830.4	414.7	324.7	256.9	200.3	141.6	81.9	35.4	21.2	20.2
65°	1026.6	806.1	407.6	316.6	271.1	221.5	162.8	96.1	40.5	24.3	23.3
67.5°	996.3	784.9	378.3	291.3	244.8	193.2	139.6	77.9	37.4	28.3	27.3
70°	972.0	763.6	363.1	289.3	226.6	168.9	112.3	56.6	44.5	38.4	36.4
72.5°	912.3	713.1	351.0	288.3	226.6	164.9	109.2	60.7	60.7	61.7	57.7
75°	812.2	637.2	332.8	280.2	221.5	163.9	105.2	65.7	65.7	58.7	55.6
77.5°	670.6	521.9	294.3	255.9	201.3	144.6	86.0	54.6	52.6	45.5	43.5
80°	444.0	374.2	234.7	211.4	165.9	116.3	63.7	42.5	39.4	33.4	31.4
82.5°	199.3	179.0	148.7	149.7	119.3	82.9	43.5	29.3	27.3	22.3	21.2
85°	109.2	103.2	80.9	70.8	60.7	43.5	25.3	19.2	16.2	12.1	12.1
87.5°	82.9	79.9	59.7	46.5	35.4	25.3	16.2	12.1	9.1	6.1	5.1
90°	75.9	71.8	48.5	37.4	28.3	20.2	13.1	8.1	6.1	4.0	3.0
92.5°	63.7	60.7	39.4	31.4	24.3	18.2	11.1	6.1	4.0	2.0	2.0
95°	46.5	45.5	29.3	24.3	19.2	15.2	9.1	5.1	3.0	2.0	1.0
97.5°	31.4	30.3	21.2	18.2	15.2	11.1	7.1	4.0	2.0	1.0	1.0
100°	19.2	19.2	13.1	12.1	10.1	8.1	5.1	3.0	2.0	1.0	1.0
102.5°	10.1	9.1	7.1	7.1	6.1	5.1	4.0	2.0	1.0	0.0	0.0
105°	6.1	5.1	5.1	4.0	4.0	3.0	3.0	2.0	1.0	0.0	0.0
107.5°	5.1	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
110°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
115°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
117.5°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
120°	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
122.5°	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
125°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	1.0	1.0	1.0	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)