

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: P691182

Luminaire Tested: **CRTK2-C013-D-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691182  
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-D-U-T5R-7050-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2070 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G1

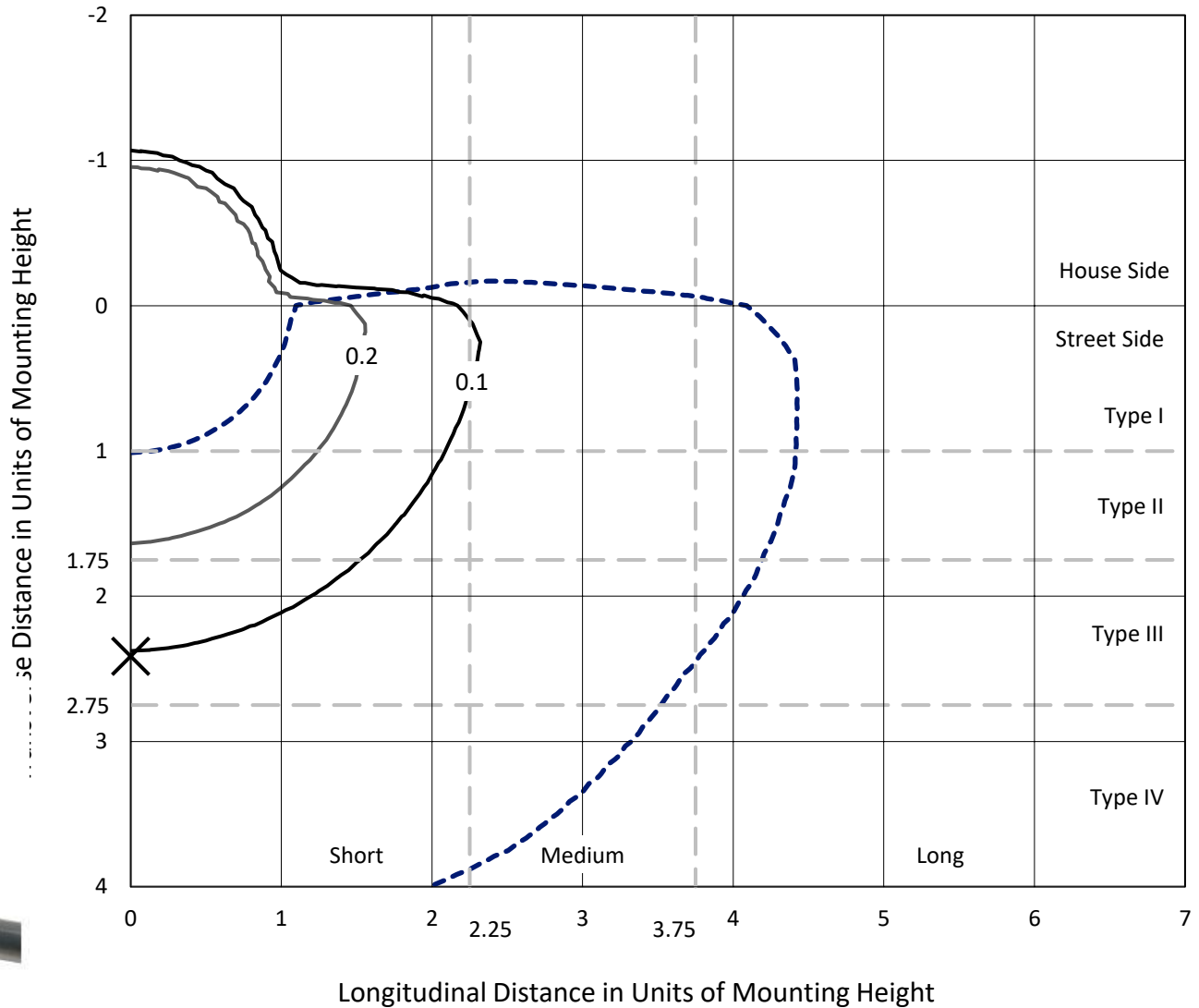
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

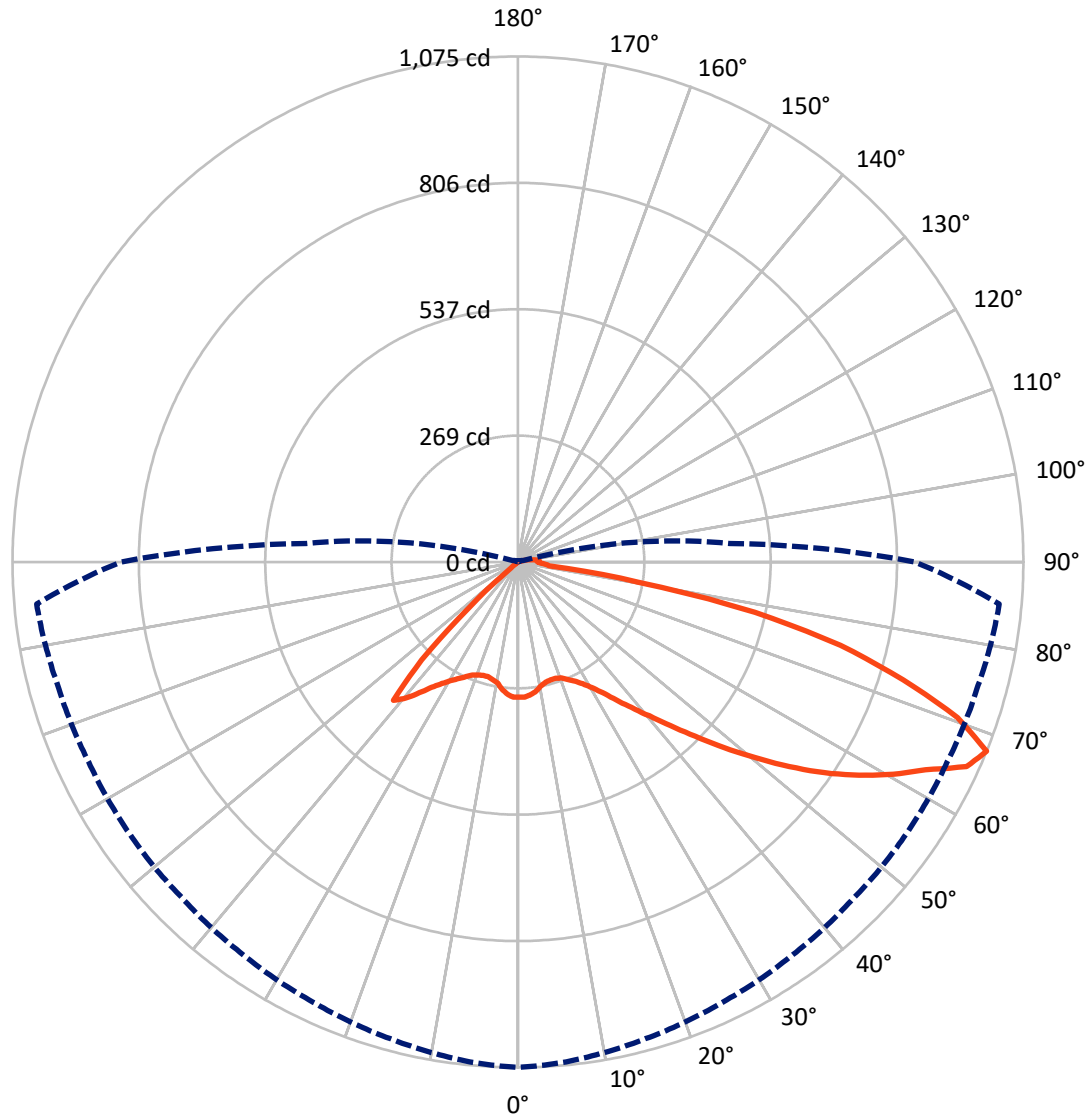
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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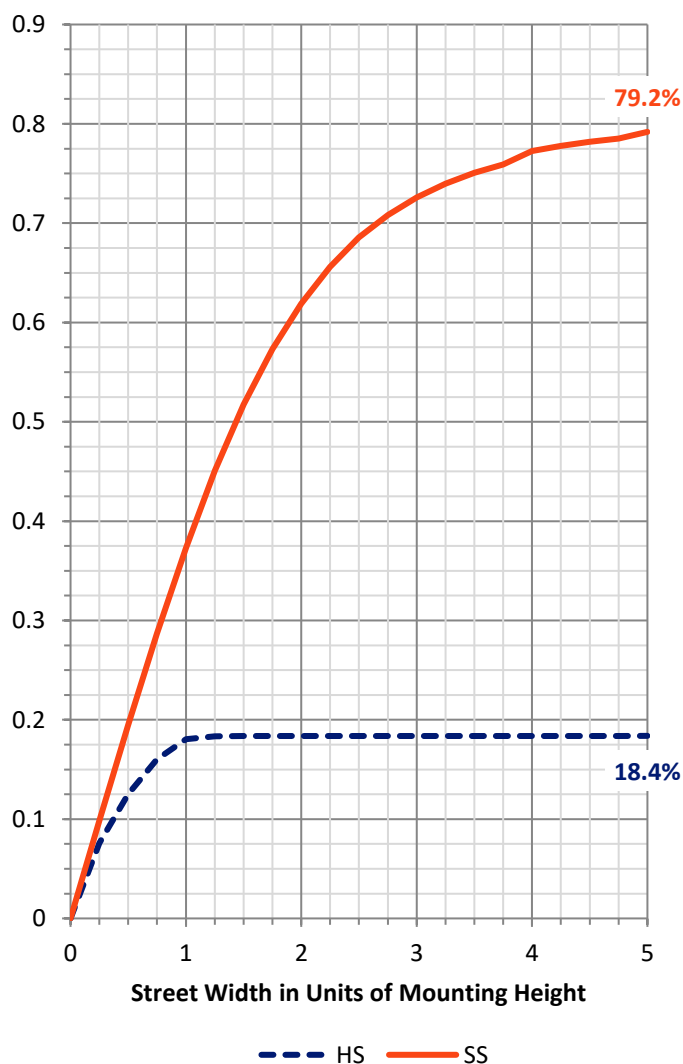
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	382.8	1.5	384.4
	% Fixture	18.5	0.1	18.6
<b>Street Side</b>	Lumens	1656.8	28.8	1685.6
	% Fixture	80.0	1.4	81.4
<b>Total</b>	Lumens	2039.7	30.3	2070.0
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	1.3
10°-20°	71.5	3.5
20°-30°	126.0	6.1
30°-40°	215.3	10.4
40°-50°	295.9	14.3
50°-60°	365.7	17.7
60°-70°	511.1	24.7
70°-80°	373.3	18.0
80°-90°	54.8	2.6
90°-100°	24.2	1.2
100°-110°	5.5	0.3
110°-120°	0.3	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°	2039.7	98.5
0°-180°	2070.0	100.0

**Coefficient of Utilization**



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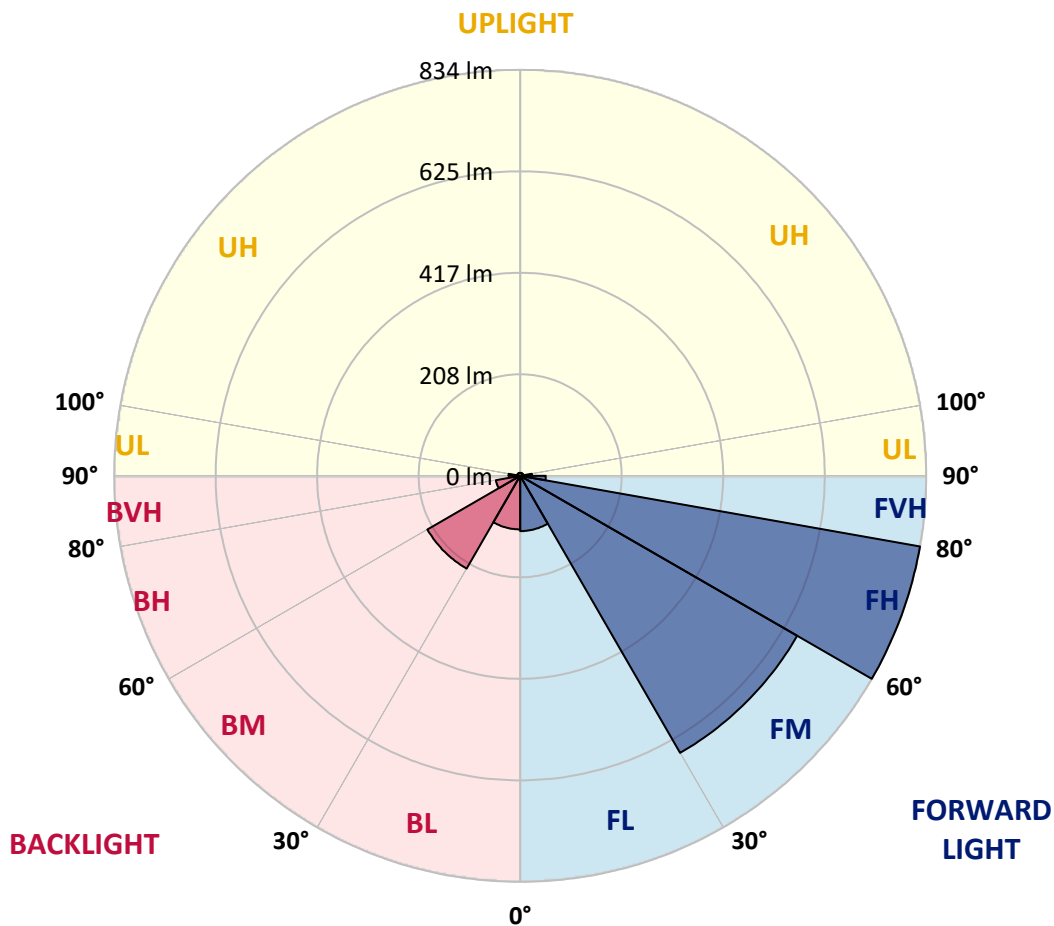
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7050-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.5	5.5			
FM (30°-60°)	656.9	31.7			
FH (60°-80°)	833.7	40.3			G1/1800
FVH (80°-90°)	52.7	2.5			G1/100
BL (0°-30°)	110.1	5.3	B1/500		
BM (30°-60°)	220.0	10.6	B0/220		
BH (60°-80°)	50.7	2.4	B0/110		G0/110
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	24.2	1.2		U2/50	
UH (100°-180°)	6.1	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°	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4
2.5°	287.4	287.4	287.4	287.4	288.4	287.4	286.4	284.3	284.3	284.3	284.3
5°	283.3	283.3	284.3	284.3	283.3	282.3	280.3	280.3	279.3	279.3	279.3
7.5°	277.3	277.3	277.3	278.3	276.2	273.2	272.2	271.2	270.2	269.2	268.1
10°	268.1	268.1	268.1	267.1	265.1	262.1	260.1	258.0	258.0	257.0	256.0
12.5°	262.1	262.1	262.1	261.1	258.0	256.0	253.0	250.9	249.9	249.9	248.9
15°	260.1	260.1	260.1	259.0	256.0	254.0	250.9	248.9	246.9	245.9	244.9
17.5°	260.1	260.1	260.1	258.0	257.0	254.0	250.9	248.9	247.9	246.9	245.9
20°	263.1	264.1	263.1	262.1	259.0	257.0	254.0	250.9	249.9	249.9	248.9
22.5°	271.2	270.2	270.2	269.2	266.1	263.1	261.1	259.0	257.0	257.0	256.0
25°	280.3	281.3	281.3	279.3	277.3	274.2	271.2	268.1	267.1	266.1	265.1
27.5°	293.4	293.4	294.5	292.4	289.4	287.4	284.3	282.3	280.3	278.3	277.3
30°	309.6	310.6	310.6	308.6	305.6	301.5	299.5	296.5	293.4	293.4	290.4
32.5°	330.9	332.9	331.9	329.9	326.8	322.8	320.8	317.7	315.7	312.7	310.6
35°	360.2	361.2	360.2	358.2	353.1	349.1	347.1	345.1	343.0	339.0	334.9
37.5°	392.6	393.6	394.6	392.6	386.5	380.5	378.4	375.4	374.4	369.3	367.3
40°	430.1	432.1	431.1	428.0	423.0	416.9	415.9	412.8	409.8	406.8	401.7
42.5°	475.6	475.6	474.6	472.6	468.5	461.4	459.4	456.4	454.3	448.3	440.2
45°	528.2	529.2	526.2	523.1	522.1	516.1	511.0	508.0	501.9	494.8	485.7
47.5°	589.9	588.9	584.9	581.8	580.8	575.8	571.7	565.6	557.5	549.5	532.3
50°	653.7	653.7	646.6	643.6	645.6	638.5	633.4	626.4	618.3	610.2	584.9
52.5°	722.5	719.5	712.4	713.4	710.3	703.3	697.2	692.1	684.0	677.0	636.5
55°	791.3	787.2	776.1	777.1	772.1	764.0	759.9	753.9	751.8	743.7	686.1
57.5°	855.0	850.0	837.8	836.8	832.8	823.7	821.7	814.6	809.5	805.5	723.5
60°	916.8	911.7	900.6	896.5	888.4	879.3	880.3	876.3	873.3	869.2	765.0
62.5°	972.4	966.4	956.2	948.1	937.0	928.9	929.9	927.9	929.9	928.9	800.4
65°	1048.3	1042.2	1027.1	1012.9	996.7	984.6	983.6	986.6	1007.8	1009.9	855.0
67.5°	1074.6	1068.6	1049.3	1032.1	1019.0	1009.9	1007.8	1006.8	1012.9	1027.1	843.9
70°	991.6	987.6	969.4	957.2	944.1	938.0	931.9	935.0	941.1	940.0	774.1
72.5°	856.1	878.3	855.0	843.9	840.9	824.7	828.7	825.7	829.7	828.7	688.1
75°	708.3	702.2	697.2	716.4	702.2	690.1	697.2	704.3	711.4	703.3	603.1
77.5°	515.1	519.1	517.1	524.2	537.3	531.2	527.2	544.4	547.4	520.1	468.5
80°	259.0	275.2	280.3	292.4	299.5	286.4	275.2	299.5	295.5	264.1	237.8
82.5°	67.8	68.8	78.9	93.1	95.1	93.1	95.1	93.1	81.0	51.6	43.5
85°	56.7	56.7	69.8	85.0	88.0	84.0	84.0	78.9	62.7	32.4	26.3
87.5°	46.5	48.6	62.7	76.9	78.9	74.9	73.9	67.8	54.6	28.3	22.3
90°	41.5	43.5	56.7	68.8	69.8	65.8	64.8	60.7	49.6	28.3	22.3
92.5°	45.5	46.5	55.7	62.7	62.7	59.7	58.7	55.7	48.6	35.4	27.3
95°	40.5	41.5	45.5	48.6	47.6	44.5	46.5	43.5	40.5	33.4	25.3
97.5°	33.4	34.4	35.4	35.4	34.4	32.4	34.4	33.4	31.4	27.3	20.2
100°	25.3	25.3	25.3	26.3	25.3	24.3	25.3	23.3	22.3	19.2	14.2
102.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.2	14.2	12.1	8.1
105°	10.1	10.1	9.1	10.1	10.1	9.1	9.1	8.1	6.1	5.1	3.0
107.5°	4.0	4.0	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0
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	1.0	1.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4	287.4
2.5°	284.3	284.3	284.3	284.3	284.3	284.3	285.4	286.4	287.4	287.4
5°	279.3	279.3	279.3	278.3	279.3	280.3	281.3	281.3	282.3	282.3
7.5°	269.2	268.1	268.1	268.1	269.2	271.2	271.2	272.2	273.2	273.2
10°	256.0	256.0	256.0	256.0	257.0	259.0	259.0	261.1	261.1	261.1
12.5°	248.9	248.9	247.9	246.9	248.9	248.9	252.0	253.0	254.0	256.0
15°	244.9	243.9	244.9	244.9	245.9	246.9	247.9	249.9	250.9	252.0
17.5°	244.9	244.9	244.9	245.9	246.9	246.9	247.9	249.9	250.9	252.0
20°	248.9	248.9	247.9	247.9	248.9	248.9	250.9	253.0	254.0	255.0
22.5°	255.0	254.0	254.0	253.0	254.0	255.0	257.0	259.0	259.0	259.0
25°	263.1	262.1	262.1	262.1	264.1	264.1	266.1	268.1	268.1	268.1
27.5°	276.2	274.2	273.2	273.2	273.2	274.2	276.2	277.3	278.3	278.3
30°	287.4	285.4	284.3	283.3	284.3	285.4	287.4	289.4	289.4	289.4
32.5°	307.6	302.6	299.5	300.5	300.5	301.5	303.6	303.6	304.6	304.6
35°	330.9	325.8	320.8	321.8	321.8	322.8	322.8	322.8	324.8	322.8
37.5°	360.2	352.1	348.1	349.1	347.1	347.1	347.1	347.1	346.1	348.1
40°	391.6	379.5	375.4	376.4	375.4	374.4	374.4	375.4	374.4	375.4
42.5°	386.5	335.9	348.1	362.3	372.4	379.5	387.6	391.6	391.6	395.6
45°	338.0	199.3	213.5	232.7	248.9	266.1	274.2	280.3	284.3	292.4
47.5°	293.4	71.8	82.0	95.1	112.3	112.3	126.5	132.6	134.6	141.7
50°	285.4	11.1	9.1	10.1	11.1	12.1	13.2	16.2	16.2	20.2
52.5°	310.6	10.1	6.1	4.0	4.0	3.0	2.0	2.0	2.0	3.0
55°	339.0	11.1	6.1	4.0	3.0	3.0	1.0	1.0	1.0	1.0
57.5°	363.3	10.1	5.1	4.0	3.0	2.0	0.0	0.0	0.0	0.0
60°	389.6	11.1	6.1	4.0	3.0	2.0	0.0	0.0	0.0	0.0
62.5°	412.8	11.1	6.1	4.0	3.0	1.0	0.0	0.0	0.0	0.0
65°	446.2	12.1	6.1	4.0	2.0	0.0	0.0	0.0	0.0	0.0
67.5°	452.3	12.1	6.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0
70°	403.7	10.1	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	347.1	6.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	279.3	5.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	187.2	4.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	84.0	3.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
82.5°	18.2	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.1	2.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
87.5°	11.1	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
90°	11.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	13.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	12.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	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
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.0	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
137.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.0	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°	1.0	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	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	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
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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	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

(END OF REPORT)