

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: P691123

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

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)  
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-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2548 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B1 - U2 - G1

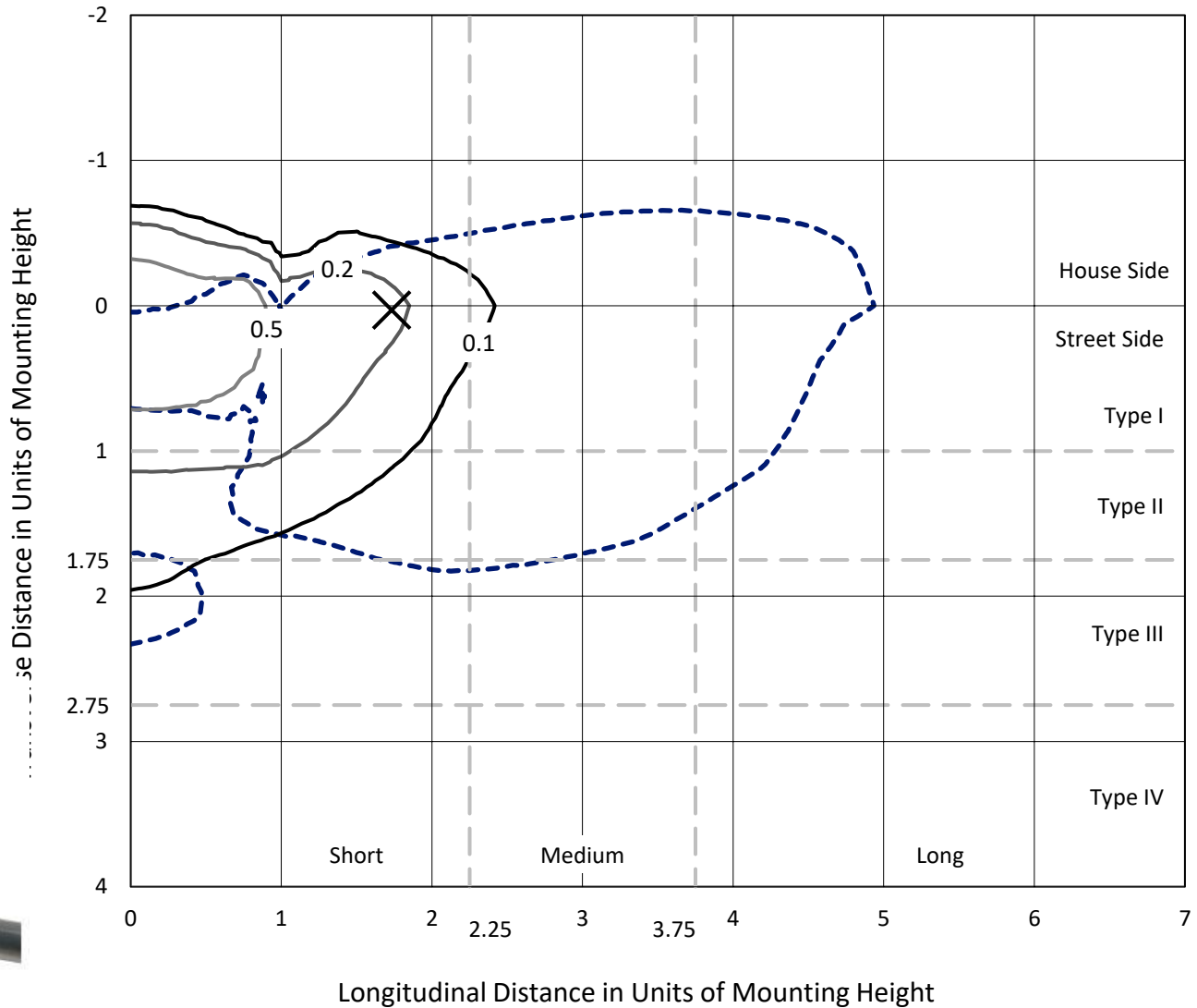
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

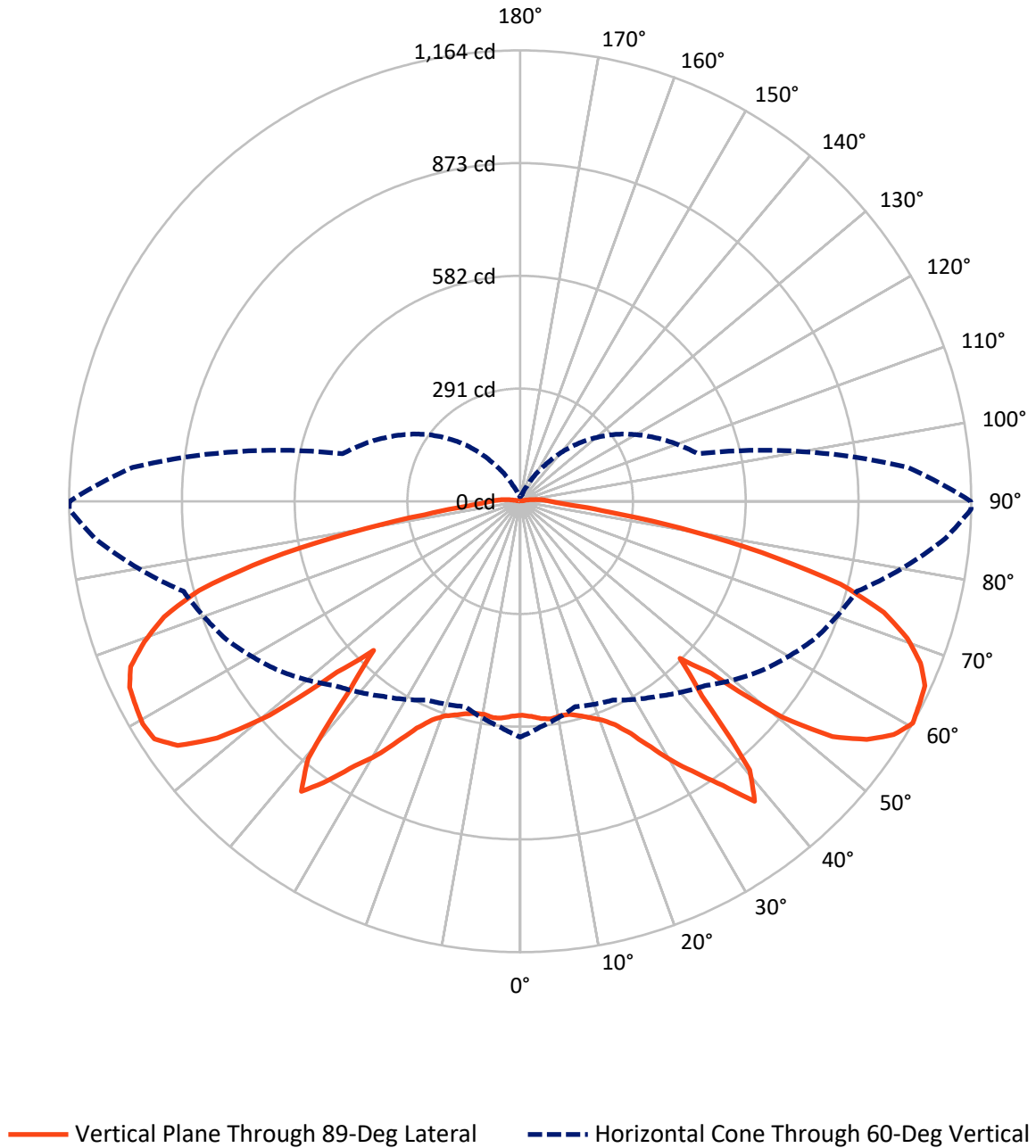
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot





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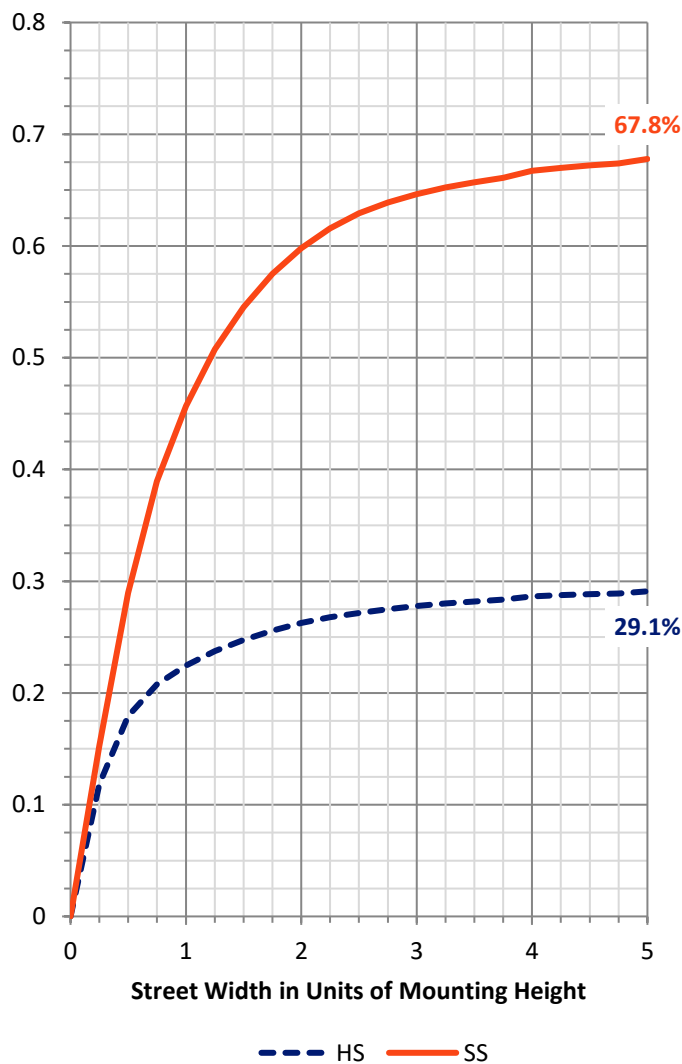
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	756.4	14.2	770.6
	% Fixture	29.7	0.6	30.2
<b>Street Side</b>	Lumens	1750.0	27.4	1777.4
	% Fixture	68.7	1.1	69.8
<b>Total</b>	Lumens	2506.4	41.5	2548.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	2.1
10°-20°	156.7	6.2
20°-30°	258.7	10.2
30°-40°	350.9	13.8
40°-50°	292.3	11.5
50°-60°	404.8	15.9
60°-70°	498.9	19.6
70°-80°	377.7	14.8
80°-90°	113.3	4.4
90°-100°	29.4	1.2
100°-110°	6.7	0.3
110°-120°	3.1	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°	2506.4	98.4
0°-180°	2548.0	100.0

**Coefficient of Utilization**



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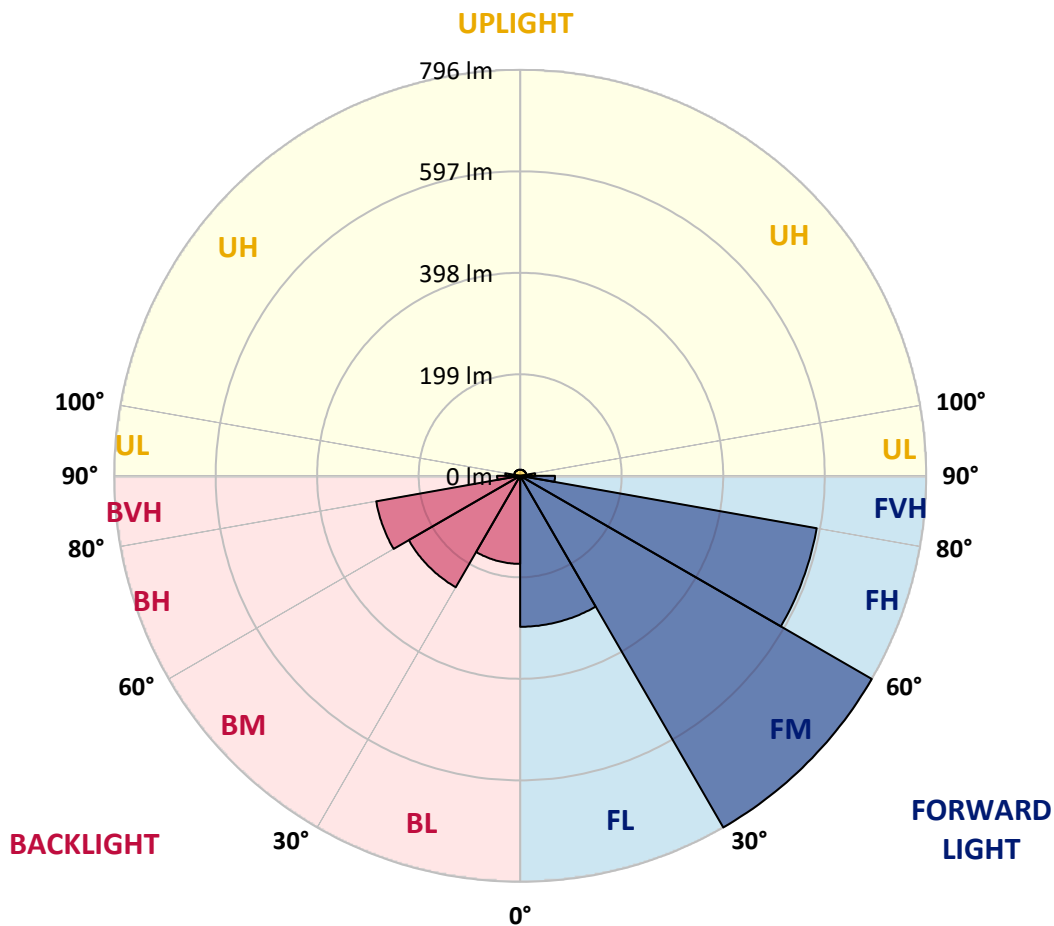
CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.0	11.6			
FM (30°-60°)	795.8	31.2			
FH (60°-80°)	590.1	23.2			G0/660
FVH (80°-90°)	68.2	2.7			G1/100
BL (0°-30°)	172.5	6.8	B1/500		
BM (30°-60°)	252.2	9.9	B1/1000		
BH (60°-80°)	286.5	11.2	B1/500		G1/500
BVH (80°-90°)	45.2	1.8			G1/100
UL (90°-100°)	29.4	1.2		U2/50	
UH (100°-180°)	12.2	0.5		U2/50	

**BUG Rating: B1-U2-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3
2.5°	579.6	576.5	576.5	576.5	570.5	570.5	566.4	564.4	560.3	557.3	556.3
5°	612.9	610.9	610.9	609.9	603.8	599.8	591.7	584.6	578.6	568.4	563.4
7.5°	639.2	636.2	636.2	635.2	629.1	624.1	615.0	598.8	586.6	575.5	567.4
10°	648.3	647.3	646.3	643.3	638.2	634.2	626.1	610.9	591.7	573.5	563.4
12.5°	665.5	665.5	662.5	658.5	654.4	650.4	639.2	627.1	605.9	577.5	564.4
15°	687.8	685.8	683.7	681.7	678.7	672.6	662.5	647.3	623.1	588.7	574.5
17.5°	696.9	695.9	695.9	696.9	695.9	691.8	689.8	672.6	647.3	603.8	587.7
20°	698.9	699.9	701.9	709.0	711.1	709.0	712.1	701.9	672.6	624.1	602.8
22.5°	711.1	713.1	717.1	724.2	727.2	730.3	733.3	741.4	712.1	655.4	626.1
25°	706.0	708.0	720.2	731.3	742.4	751.5	770.7	788.9	767.7	701.9	664.5
27.5°	692.8	696.9	718.1	740.4	767.7	792.0	827.4	849.6	832.4	760.6	718.1
30°	704.0	704.0	718.1	750.5	785.9	840.5	887.0	912.3	900.2	817.3	780.8
32.5°	680.7	686.8	716.1	764.7	819.3	889.1	934.6	979.1	983.1	893.1	836.5
35°	608.9	619.0	643.3	708.0	792.0	913.3	993.2	1052.9	1072.1	984.1	901.2
37.5°	501.7	508.8	551.2	616.0	716.1	832.4	960.9	1096.4	1150.0	1042.8	983.1
40°	444.0	449.1	474.4	528.0	620.0	732.3	833.4	963.9	993.2	951.8	912.3
42.5°	424.8	432.9	464.3	513.8	588.7	667.6	683.7	732.3	717.1	722.2	687.8
45°	451.1	454.1	477.4	520.9	566.4	587.7	566.4	599.8	616.0	612.9	578.6
47.5°	464.3	469.3	494.6	550.2	550.2	551.2	577.5	597.8	644.3	687.8	663.5
50°	398.5	405.6	452.1	496.6	503.7	587.7	656.4	695.9	744.4	860.7	874.9
52.5°	375.2	380.3	430.9	519.9	571.5	657.4	699.9	736.3	777.8	970.0	1009.4
55°	410.6	419.8	479.4	571.5	628.1	679.7	734.3	786.9	831.4	1056.0	1085.3
57.5°	474.4	491.6	528.0	579.6	633.2	679.7	752.5	817.3	875.9	1089.3	1136.9
60°	608.9	585.6	549.2	566.4	615.0	673.6	761.6	839.5	899.2	1101.5	1164.2
62.5°	671.6	654.4	565.4	542.1	584.6	652.4	744.4	839.5	891.1	1078.2	1156.1
65°	649.4	635.2	571.5	513.8	547.2	623.1	718.1	827.4	872.9	1048.9	1148.0
67.5°	553.3	539.1	518.9	497.6	511.8	593.7	693.9	805.1	852.7	1024.6	1114.6
70°	450.1	442.0	434.9	451.1	477.4	549.2	645.3	755.6	812.2	965.9	1060.0
72.5°	383.3	378.3	366.1	382.3	423.8	489.5	572.5	682.7	750.5	866.8	982.1
75°	325.7	322.7	318.6	326.7	353.0	414.7	480.4	588.7	670.6	756.6	853.7
77.5°	264.0	259.9	269.0	271.1	291.3	335.8	378.3	468.3	559.3	593.7	637.2
80°	192.2	196.2	211.4	205.3	220.5	235.7	266.0	305.5	377.3	415.7	418.7
82.5°	134.5	138.6	152.7	137.6	141.6	142.6	153.7	167.9	197.2	229.6	233.6
85°	95.1	97.1	100.1	89.0	89.0	89.0	96.1	104.2	119.4	132.5	135.5
87.5°	67.8	67.8	71.8	67.8	66.8	65.7	69.8	72.8	81.9	91.0	93.1
90°	50.6	50.6	52.6	50.6	50.6	50.6	54.6	57.7	65.7	73.8	74.8
92.5°	36.4	36.4	39.4	38.4	38.4	39.4	43.5	45.5	52.6	60.7	61.7
95°	28.3	28.3	30.3	29.3	29.3	31.4	34.4	36.4	41.5	45.5	46.5
97.5°	20.2	20.2	21.2	21.2	21.2	21.2	23.3	26.3	32.4	32.4	31.4
100°	14.2	14.2	15.2	14.2	14.2	15.2	15.2	17.2	20.2	19.2	19.2
102.5°	10.1	10.1	10.1	10.1	10.1	9.1	9.1	10.1	11.1	10.1	10.1
105°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.1
107.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.1	5.1
110°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	5.1	5.1	5.1	5.1	5.1	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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
120°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
122.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
125°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	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	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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°	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3	552.3
2.5°	555.3	553.3	547.2	540.1	534.0	529.0	523.9	519.9	518.9	516.9	518.9
5°	562.4	555.3	541.1	532.0	523.9	515.8	507.7	503.7	500.7	498.6	498.6
7.5°	565.4	555.3	539.1	527.0	509.8	492.6	482.5	474.4	471.3	474.4	474.4
10°	560.3	548.2	529.0	510.8	487.5	473.4	459.2	452.1	448.1	448.1	445.0
12.5°	562.4	548.2	519.9	492.6	473.4	448.1	430.9	422.8	416.7	418.7	418.7
15°	570.5	551.2	511.8	484.5	451.1	430.9	409.6	404.6	403.6	400.5	398.5
17.5°	582.6	554.3	509.8	466.3	431.9	407.6	387.4	378.3	373.2	370.2	369.2
20°	595.7	558.3	503.7	449.1	411.7	380.3	356.0	343.9	339.8	339.8	337.8
22.5°	618.0	572.5	498.6	441.0	384.4	353.0	328.7	311.5	303.4	302.4	301.4
25°	654.4	599.8	503.7	422.8	368.2	321.6	294.3	279.2	270.1	267.0	267.0
27.5°	710.0	637.2	510.8	412.7	334.8	292.3	262.0	238.7	225.6	226.6	227.6
30°	769.7	692.8	531.0	396.5	313.5	250.8	214.4	196.2	184.1	180.0	178.0
32.5°	818.3	750.5	560.3	383.3	274.1	200.3	168.9	155.8	142.6	131.5	127.4
35°	893.1	799.0	585.6	364.1	241.7	163.9	136.5	116.3	105.2	100.1	98.1
37.5°	960.9	846.6	604.8	360.1	196.2	140.6	108.2	87.0	75.9	74.8	74.8
40°	879.0	786.9	590.7	327.7	154.8	109.2	77.9	61.7	53.6	49.6	49.6
42.5°	672.6	602.8	450.1	273.1	111.3	73.8	49.6	46.5	45.5	41.5	41.5
45°	563.4	445.0	273.1	142.6	52.6	40.5	35.4	35.4	36.4	39.4	39.4
47.5°	676.7	526.0	201.3	102.2	51.6	35.4	31.4	28.3	26.3	25.3	25.3
50°	875.9	748.5	256.9	121.4	61.7	36.4	28.3	25.3	24.3	23.3	21.2
52.5°	1021.6	876.9	338.8	185.1	99.1	46.5	28.3	21.2	16.2	14.2	13.1
55°	1109.6	989.2	399.5	266.0	160.8	77.9	35.4	19.2	14.2	12.1	11.1
57.5°	1157.1	1002.3	450.1	338.8	236.7	138.6	61.7	23.3	14.2	11.1	11.1
60°	1163.2	1004.4	474.4	387.4	301.4	210.4	117.3	45.5	18.2	13.1	12.1
62.5°	1158.1	987.2	480.4	406.6	340.9	269.0	185.1	90.0	28.3	15.2	14.2
65°	1149.0	988.2	453.1	389.4	340.9	288.3	214.4	118.3	40.5	17.2	16.2
67.5°	1118.7	985.2	438.0	352.0	308.5	257.9	192.2	110.2	46.5	21.2	20.2
70°	1057.0	948.7	428.9	336.8	289.3	229.6	161.8	88.0	52.6	36.4	39.4
72.5°	987.2	883.0	419.8	323.7	282.2	228.6	162.8	95.1	70.8	59.7	63.7
75°	883.0	768.7	403.6	310.5	278.1	235.7	164.9	90.0	66.8	53.6	52.6
77.5°	679.7	639.2	368.2	278.1	252.9	217.5	140.6	68.8	49.6	37.4	36.4
80°	444.0	439.0	287.3	224.5	213.4	192.2	117.3	53.6	39.4	30.3	28.3
82.5°	250.8	240.7	179.0	141.6	150.7	155.8	95.1	40.5	30.3	24.3	22.3
85°	142.6	144.6	104.2	76.9	77.9	92.0	61.7	28.3	19.2	14.2	13.1
87.5°	98.1	101.1	67.8	51.6	46.5	43.5	32.4	17.2	11.1	7.1	5.1
90°	79.9	79.9	50.6	37.4	32.4	28.3	18.2	10.1	8.1	4.0	3.0
92.5°	64.7	67.8	42.5	30.3	25.3	22.3	14.2	7.1	5.1	3.0	2.0
95°	48.5	51.6	34.4	25.3	20.2	17.2	12.1	6.1	4.0	2.0	2.0
97.5°	33.4	33.4	24.3	19.2	16.2	13.1	9.1	5.1	3.0	2.0	2.0
100°	19.2	20.2	14.2	12.1	11.1	10.1	6.1	4.0	2.0	1.0	1.0
102.5°	10.1	10.1	7.1	7.1	6.1	6.1	5.1	3.0	2.0	1.0	1.0
105°	6.1	6.1	5.1	5.1	4.0	4.0	3.0	2.0	1.0	0.0	1.0
107.5°	5.1	5.1	4.0	4.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0
110°	4.0	4.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0



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

**CANDELA DISTRIBUTION (continued):**

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