

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: P691368

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C015-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2866 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G2

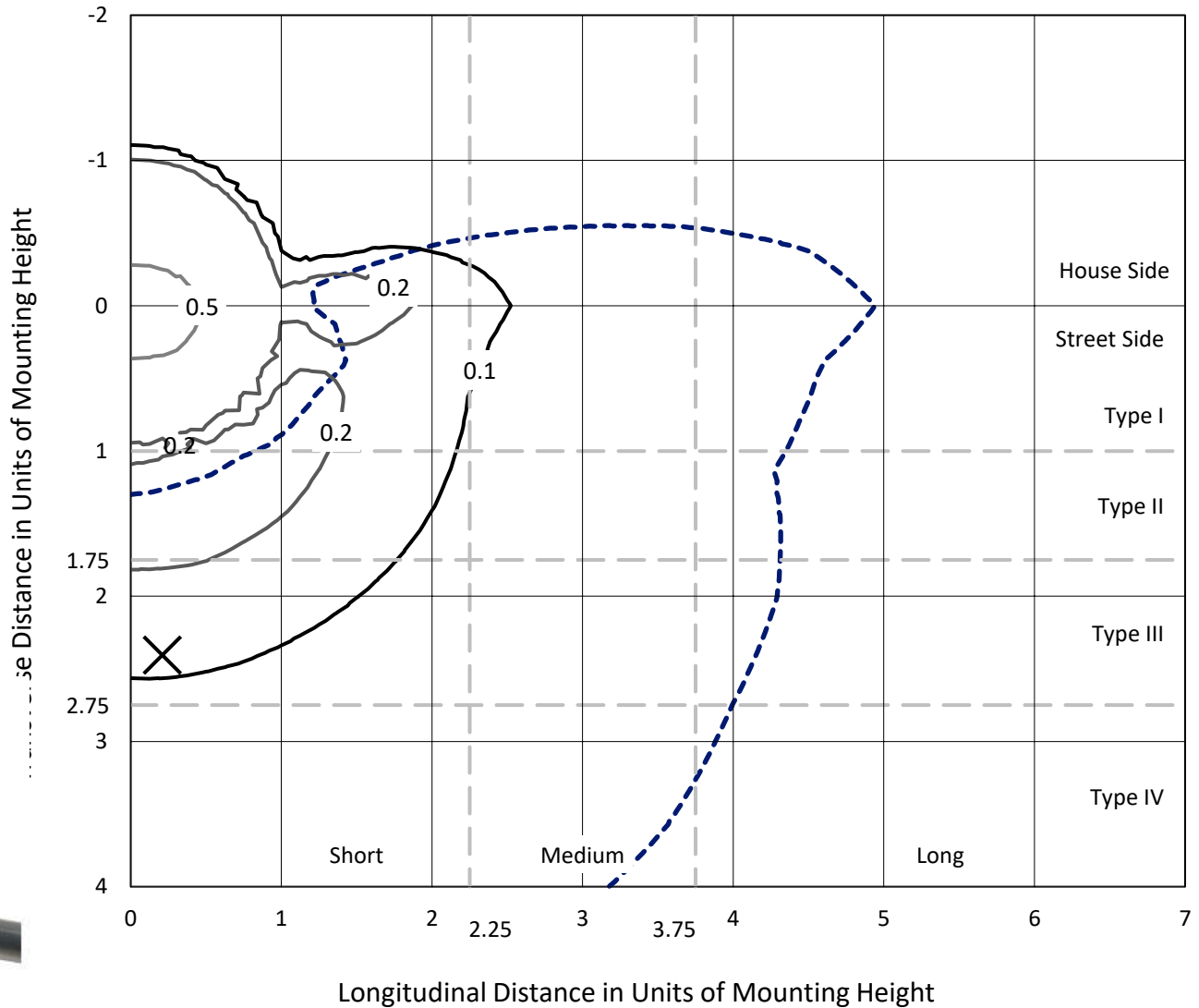
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

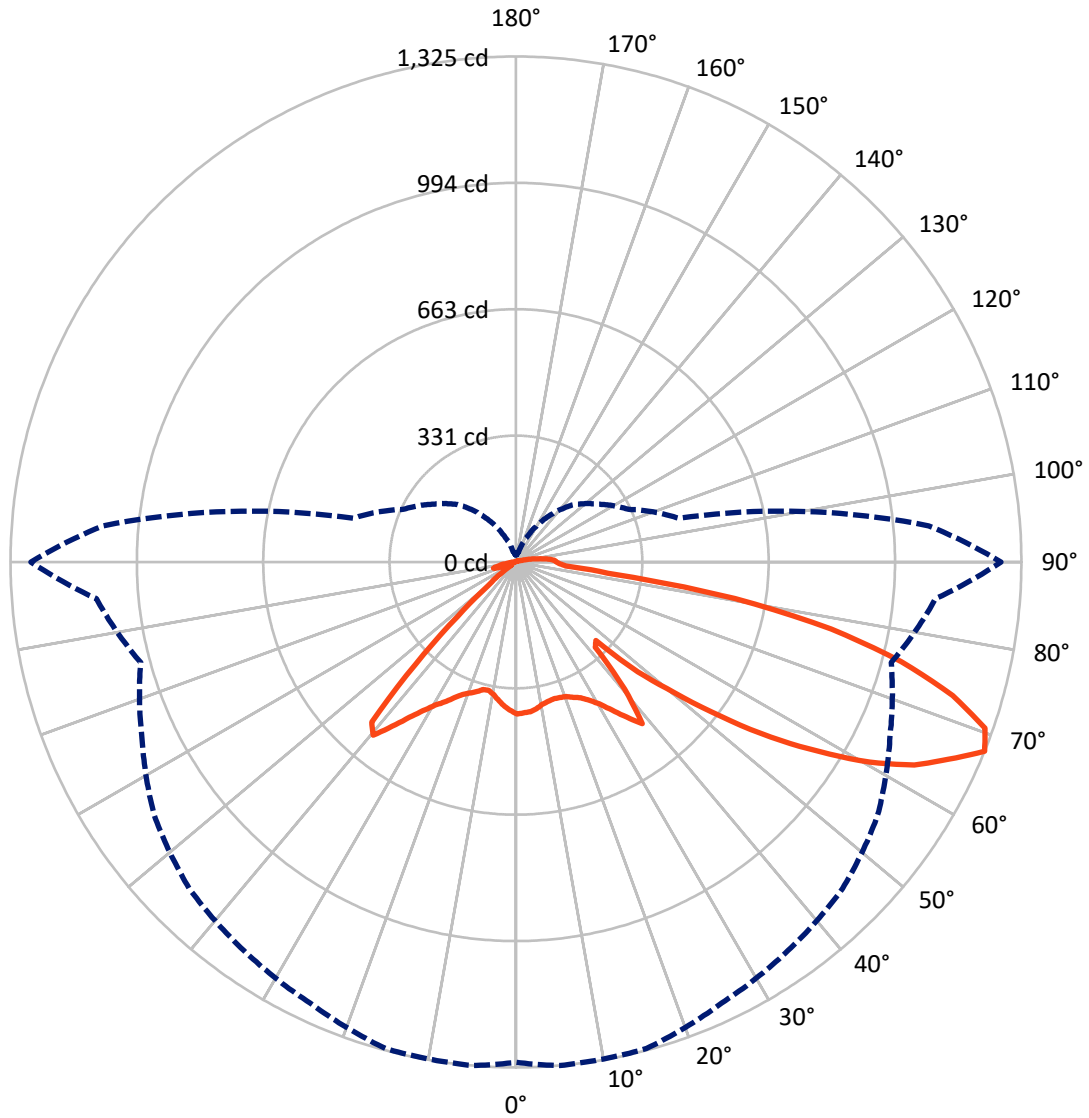
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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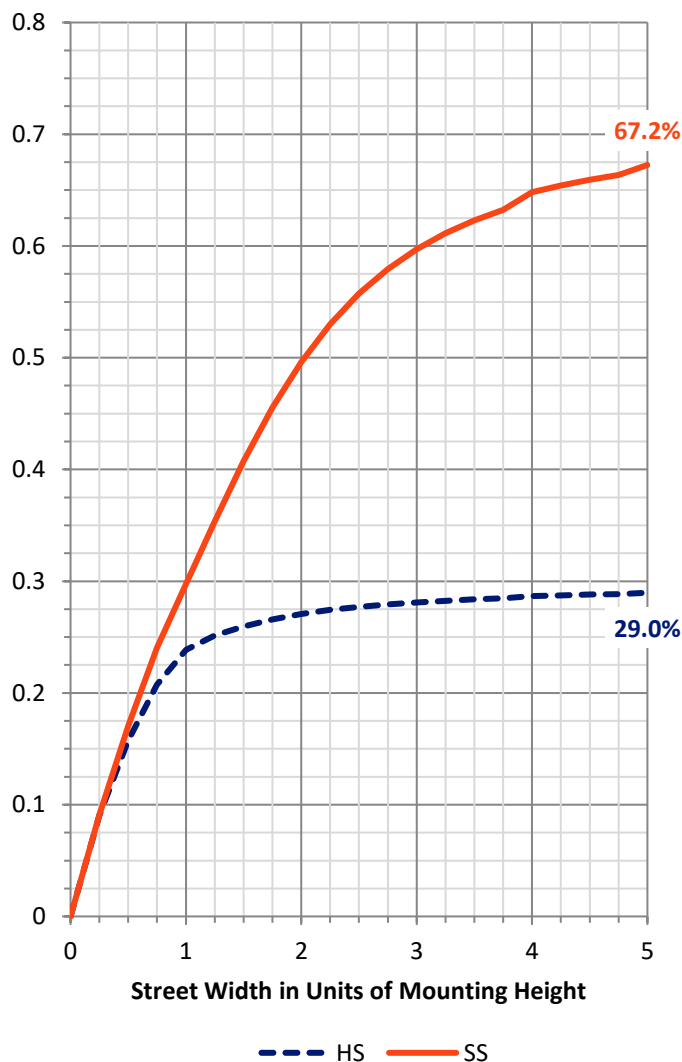
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	840.0	12.6	852.6
	% Fixture	29.3	0.4	29.7
<b>Street Side</b>	Lumens	1964.1	49.3	2013.4
	% Fixture	68.5	1.7	70.3
<b>Total</b>	Lumens	2804.0	62.0	2866.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.8	1.3
10°-20°	106.3	3.7
20°-30°	188.9	6.6
30°-40°	315.9	11.0
40°-50°	288.5	10.1
50°-60°	428.3	14.9
60°-70°	702.6	24.5
70°-80°	603.0	21.0
80°-90°	133.7	4.7
90°-100°	45.1	1.6
100°-110°	11.1	0.4
110°-120°	3.6	0.1
120°-130°	2.0	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°	2804.0	97.8
0°-180°	2866.0	100.0

**Coefficient of Utilization**



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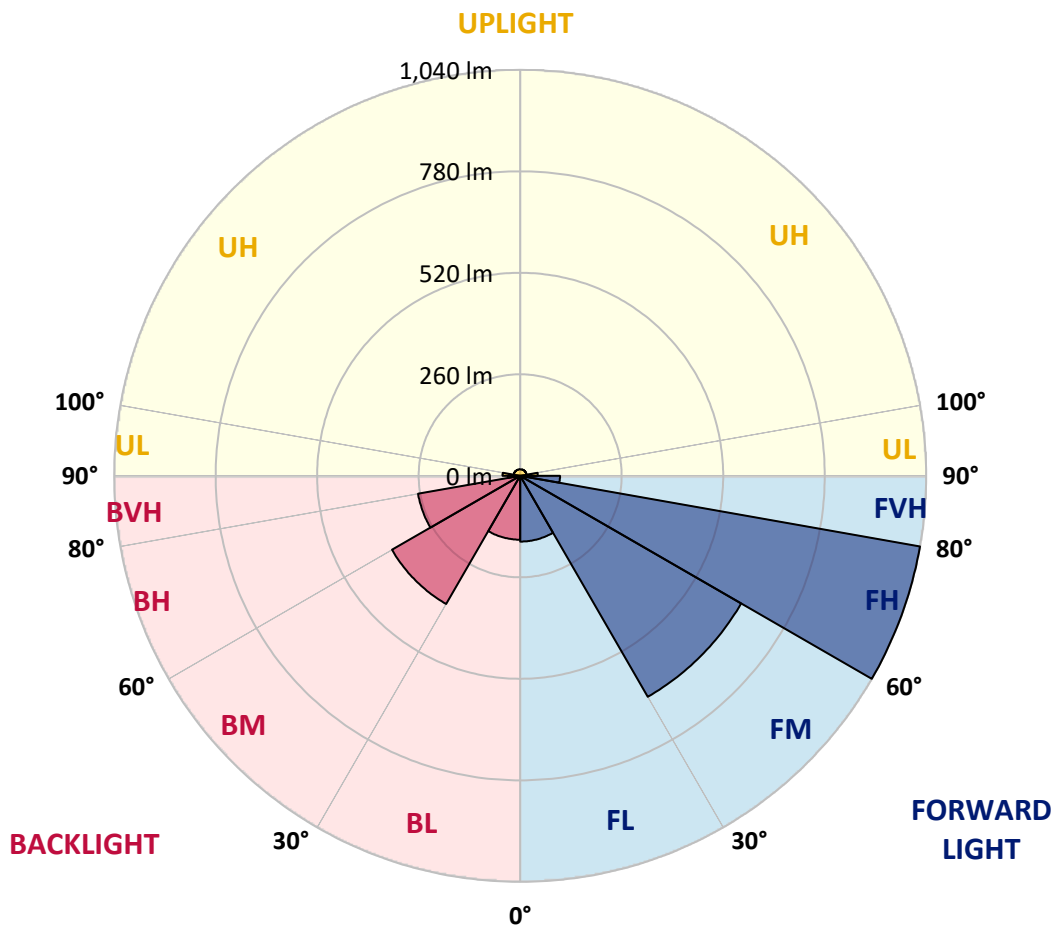
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.4	5.9			
FM (30°-60°)	653.6	22.8			
FH (60°-80°)	1040.0	36.3			G1/1800
FVH (80°-90°)	102.0	3.6			G2/225
BL (0°-30°)	163.6	5.7	B1/500		
BM (30°-60°)	379.1	13.2	B1/1000		
BH (60°-80°)	265.5	9.3	B1/500		G1/500
BVH (80°-90°)	31.8	1.1			G1/100
UL (90°-100°)	45.1	1.6		U2/50	
UH (100°-180°)	16.8	0.6		U2/50	

**BUG Rating: B1-U2-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7
2.5°	395.8	395.8	395.8	397.3	398.7	397.3	395.8	394.3	392.8	394.3	394.3
5°	394.3	394.3	395.8	395.8	397.3	398.7	397.3	395.8	394.3	394.3	394.3
7.5°	386.9	388.4	388.4	389.9	391.3	394.3	394.3	391.3	391.3	391.3	391.3
10°	379.5	379.5	381.0	382.4	383.9	386.9	386.9	383.9	385.4	386.9	386.9
12.5°	375.0	375.0	376.5	379.5	381.0	382.4	383.9	383.9	385.4	383.9	385.4
15°	372.1	372.1	372.1	376.5	381.0	382.4	385.4	386.9	388.4	388.4	388.4
17.5°	373.5	373.5	373.5	379.5	382.4	386.9	389.9	391.3	391.3	392.8	392.8
20°	376.5	376.5	378.0	382.4	388.4	392.8	395.8	397.3	397.3	400.2	400.2
22.5°	382.4	385.4	383.9	388.4	392.8	398.7	403.2	406.2	406.2	409.1	409.1
25°	395.8	394.3	395.8	400.2	404.7	409.1	412.1	416.5	418.0	421.0	421.0
27.5°	410.6	410.6	410.6	415.1	418.0	422.5	425.4	428.4	431.4	435.8	437.3
30°	432.8	431.4	429.9	434.3	437.3	441.7	444.7	446.2	446.2	449.1	452.1
32.5°	462.5	462.5	462.5	465.5	466.9	471.4	472.9	474.3	472.9	477.3	478.8
35°	499.5	499.5	501.0	504.0	508.4	511.4	512.9	511.4	512.9	515.9	518.8
37.5°	536.6	538.1	542.5	547.0	549.9	555.9	560.3	560.3	561.8	570.7	570.7
40°	434.3	438.8	443.2	453.6	466.9	484.7	514.4	526.2	560.3	578.1	582.6
42.5°	295.0	305.4	317.2	330.6	340.9	342.4	370.6	386.9	421.0	453.6	462.5
45°	281.6	293.5	305.4	296.5	303.9	280.2	308.3	311.3	327.6	352.8	419.5
47.5°	413.6	429.9	446.2	423.9	428.4	376.5	386.9	375.0	338.0	379.5	490.7
50°	539.6	538.1	561.8	551.4	563.3	507.0	511.4	487.7	429.9	487.7	646.3
52.5°	661.1	673.0	698.2	695.2	704.1	631.5	618.1	597.4	507.0	595.9	782.7
55°	801.9	810.8	834.6	827.1	822.7	750.1	726.3	705.6	618.1	733.8	927.9
57.5°	933.9	938.3	966.5	941.3	926.5	871.6	839.0	804.9	718.9	859.8	1028.7
60°	1059.9	1065.8	1082.1	1048.0	1024.3	981.3	941.3	904.2	824.2	972.4	1122.1
62.5°	1178.5	1172.5	1179.9	1137.0	1120.6	1082.1	1039.1	993.2	923.5	1061.4	1212.6
65°	1246.6	1246.6	1255.5	1200.7	1175.5	1151.8	1104.3	1051.0	987.2	1104.3	1268.9
67.5°	1311.9	1325.2	1320.8	1276.3	1243.7	1211.1	1157.7	1082.1	1018.4	1104.3	1271.8
70°	1288.2	1304.5	1286.7	1251.1	1218.5	1179.9	1131.0	1056.9	985.8	1051.0	1203.7
72.5°	1185.9	1197.7	1190.3	1159.2	1119.2	1094.0	1042.1	985.8	902.7	959.1	1092.5
75°	1046.5	1043.6	1056.9	1021.3	987.2	963.5	913.1	877.5	800.5	842.0	969.4
77.5°	843.4	844.9	873.1	833.1	806.4	790.1	744.1	714.5	644.8	681.9	779.7
80°	566.3	582.6	609.2	566.3	561.8	539.6	501.0	481.8	428.4	446.2	498.1
82.5°	235.7	243.1	252.0	238.7	234.2	226.8	210.5	204.6	183.8	192.7	192.7
85°	131.9	130.4	134.9	134.9	131.9	126.0	120.1	109.7	100.8	99.3	91.9
87.5°	111.2	112.7	115.6	115.6	109.7	105.2	97.8	90.4	83.0	78.6	71.2
90°	103.8	105.2	106.7	102.3	96.4	91.9	86.0	80.0	74.1	71.2	63.7
92.5°	99.3	99.3	99.3	93.4	87.5	83.0	78.6	72.6	68.2	65.2	59.3
95°	83.0	81.5	80.0	77.1	71.2	66.7	63.7	57.8	54.8	51.9	48.9
97.5°	62.3	60.8	59.3	57.8	51.9	48.9	47.4	44.5	41.5	37.1	35.6
100°	44.5	43.0	43.0	41.5	38.5	35.6	34.1	31.1	28.2	25.2	23.7
102.5°	29.6	28.2	28.2	26.7	25.2	23.7	20.8	19.3	16.3	14.8	13.3
105°	16.3	16.3	16.3	14.8	14.8	13.3	11.9	10.4	8.9	8.9	7.4
107.5°	11.9	11.9	11.9	11.9	10.4	10.4	8.9	7.4	7.4	5.9	5.9
110°	8.9	8.9	8.9	8.9	8.9	7.4	7.4	5.9	5.9	4.4	4.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.4	7.4	7.4	7.4	7.4	7.4	5.9	5.9	4.4	4.4	4.4
115°	7.4	7.4	7.4	7.4	5.9	5.9	4.4	4.4	4.4	4.4	3.0
117.5°	5.9	5.9	5.9	5.9	5.9	4.4	4.4	4.4	4.4	3.0	4.4
120°	5.9	5.9	5.9	5.9	4.4	4.4	4.4	3.0	3.0	3.0	3.0
122.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.0	3.0	3.0	3.0
125°	4.4	4.4	4.4	4.4	4.4	3.0	3.0	3.0	3.0	3.0	3.0
127.5°	4.4	4.4	3.0	4.4	3.0	3.0	3.0	3.0	3.0	1.5	3.0
130°	4.4	4.4	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7
2.5°	395.8	395.8	397.3	395.8	395.8	392.8	391.3	389.9	389.9	389.9
5°	394.3	394.3	392.8	389.9	388.4	385.4	382.4	381.0	379.5	381.0
7.5°	391.3	388.4	385.4	379.5	375.0	373.5	367.6	366.1	366.1	366.1
10°	385.4	382.4	375.0	367.6	364.7	360.2	355.8	351.3	352.8	354.3
12.5°	383.9	376.5	370.6	363.2	358.7	351.3	349.8	345.4	343.9	343.9
15°	385.4	379.5	372.1	366.1	360.2	357.2	351.3	349.8	345.4	348.3
17.5°	391.3	382.4	376.5	370.6	364.7	361.7	357.2	354.3	355.8	355.8
20°	397.3	388.4	382.4	378.0	372.1	367.6	366.1	363.2	364.7	361.7
22.5°	406.2	397.3	392.8	386.9	382.4	379.5	376.5	378.0	375.0	376.5
25°	418.0	410.6	404.7	400.2	395.8	392.8	392.8	392.8	391.3	392.8
27.5°	434.3	426.9	422.5	419.5	415.1	412.1	409.1	410.6	412.1	410.6
30°	449.1	440.3	438.8	435.8	432.8	431.4	431.4	431.4	431.4	434.3
32.5°	472.9	464.0	461.0	461.0	458.0	456.6	455.1	458.0	459.5	458.0
35°	509.9	498.1	495.1	493.6	492.1	492.1	493.6	493.6	493.6	493.6
37.5°	555.9	539.6	536.6	535.1	535.1	535.1	533.6	535.1	539.6	541.1
40°	576.6	566.3	570.7	578.1	582.6	582.6	581.1	584.0	588.5	588.5
42.5°	466.9	444.7	461.0	490.7	509.9	533.6	538.1	552.9	564.8	564.8
45°	379.5	287.6	293.5	312.8	321.7	342.4	354.3	367.6	375.0	364.7
47.5°	426.9	185.3	152.7	158.6	136.4	164.5	183.8	204.6	209.0	213.5
50°	670.0	191.2	129.0	93.4	62.3	83.0	87.5	99.3	96.4	97.8
52.5°	813.8	219.4	129.0	83.0	51.9	54.8	50.4	56.3	59.3	65.2
55°	913.1	263.9	167.5	105.2	60.8	37.1	25.2	19.3	17.8	17.8
57.5°	960.6	323.1	217.9	149.7	94.9	51.9	22.2	16.3	14.8	13.3
60°	1005.0	386.9	275.7	204.6	149.7	91.9	41.5	16.3	13.3	13.3
62.5°	1045.0	450.6	333.5	265.3	210.5	143.8	77.1	28.2	14.8	14.8
65°	1077.7	464.0	338.0	287.6	226.8	169.0	100.8	34.1	16.3	16.3
67.5°	1086.6	441.7	326.1	263.9	212.0	143.8	78.6	28.2	19.3	17.8
70°	1027.3	419.5	327.6	250.5	191.2	127.5	51.9	32.6	25.2	23.7
72.5°	929.4	388.4	311.3	243.1	183.8	129.0	60.8	53.4	47.4	44.5
75°	818.3	351.3	287.6	232.7	177.9	124.5	71.2	66.7	60.8	59.3
77.5°	656.7	292.0	241.6	197.2	149.7	99.3	59.3	56.3	48.9	48.9
80°	431.4	217.9	182.3	151.2	114.1	69.7	44.5	40.0	35.6	34.1
82.5°	176.4	127.5	109.7	94.9	74.1	44.5	29.6	25.2	20.8	19.3
85°	86.0	63.7	54.8	44.5	37.1	25.2	19.3	16.3	11.9	11.9
87.5°	69.7	50.4	41.5	34.1	25.2	17.8	13.3	10.4	7.4	5.9
90°	63.7	44.5	35.6	28.2	20.8	14.8	8.9	7.4	4.4	3.0
92.5°	57.8	38.5	31.1	22.2	16.3	11.9	5.9	4.4	3.0	3.0
95°	47.4	29.6	23.7	17.8	13.3	8.9	5.9	3.0	1.5	1.5
97.5°	34.1	22.2	17.8	13.3	10.4	5.9	4.4	3.0	1.5	1.5
100°	23.7	14.8	13.3	10.4	7.4	4.4	3.0	1.5	1.5	1.5
102.5°	11.9	8.9	8.9	7.4	5.9	4.4	1.5	1.5	0.0	0.0
105°	7.4	5.9	5.9	4.4	3.0	3.0	1.5	1.5	0.0	0.0
107.5°	4.4	4.4	4.4	3.0	3.0	1.5	1.5	0.0	0.0	0.0
110°	4.4	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
115°	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
117.5°	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
120°	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	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
135°	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
140°	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
145°	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
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°	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
160°	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
165°	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
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	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
177.5°	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

(END OF REPORT)