

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: P691370

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)  
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-U0-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

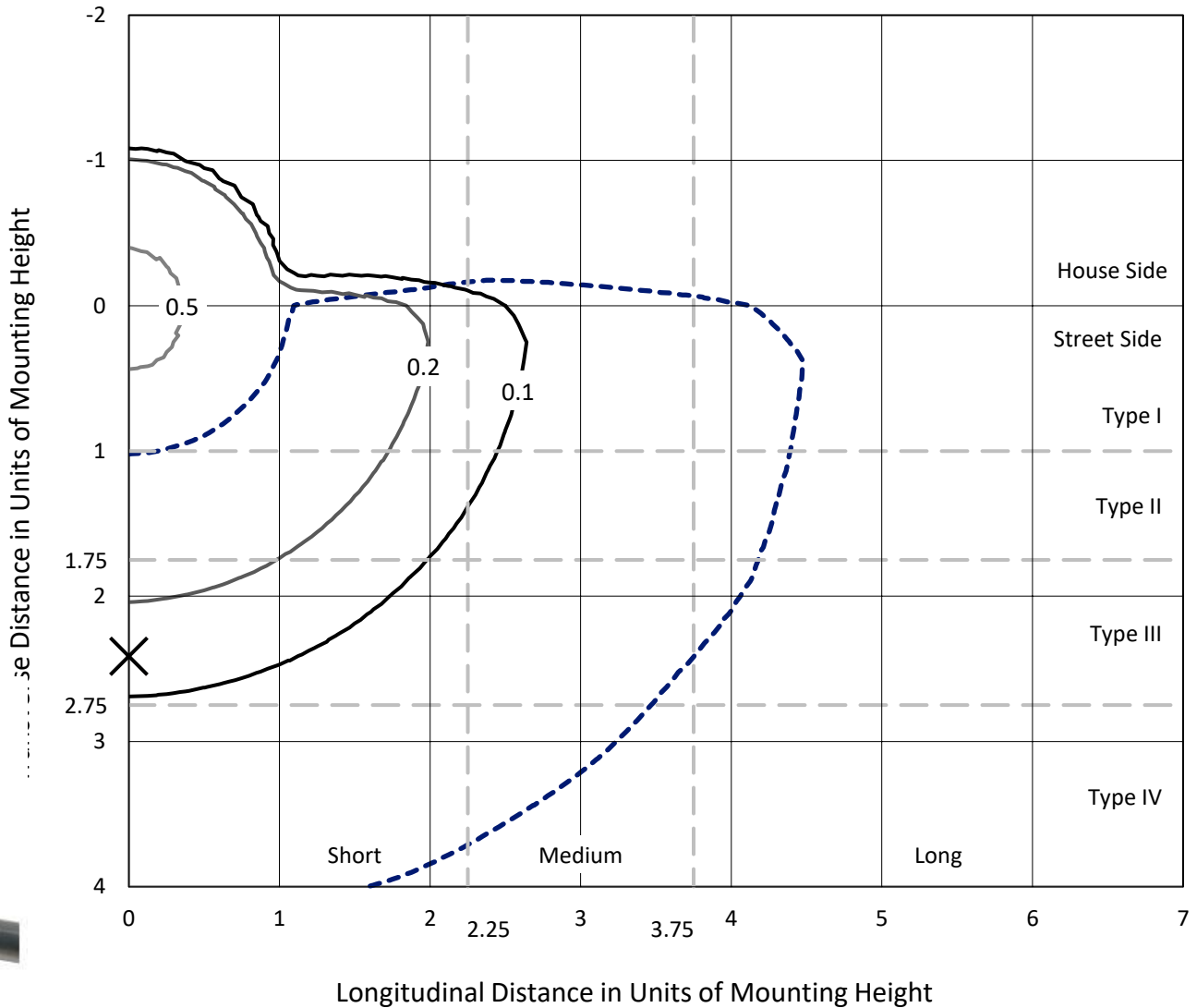
Lumens per Lamp: N/A  
Luminaire Lumens: 2965 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

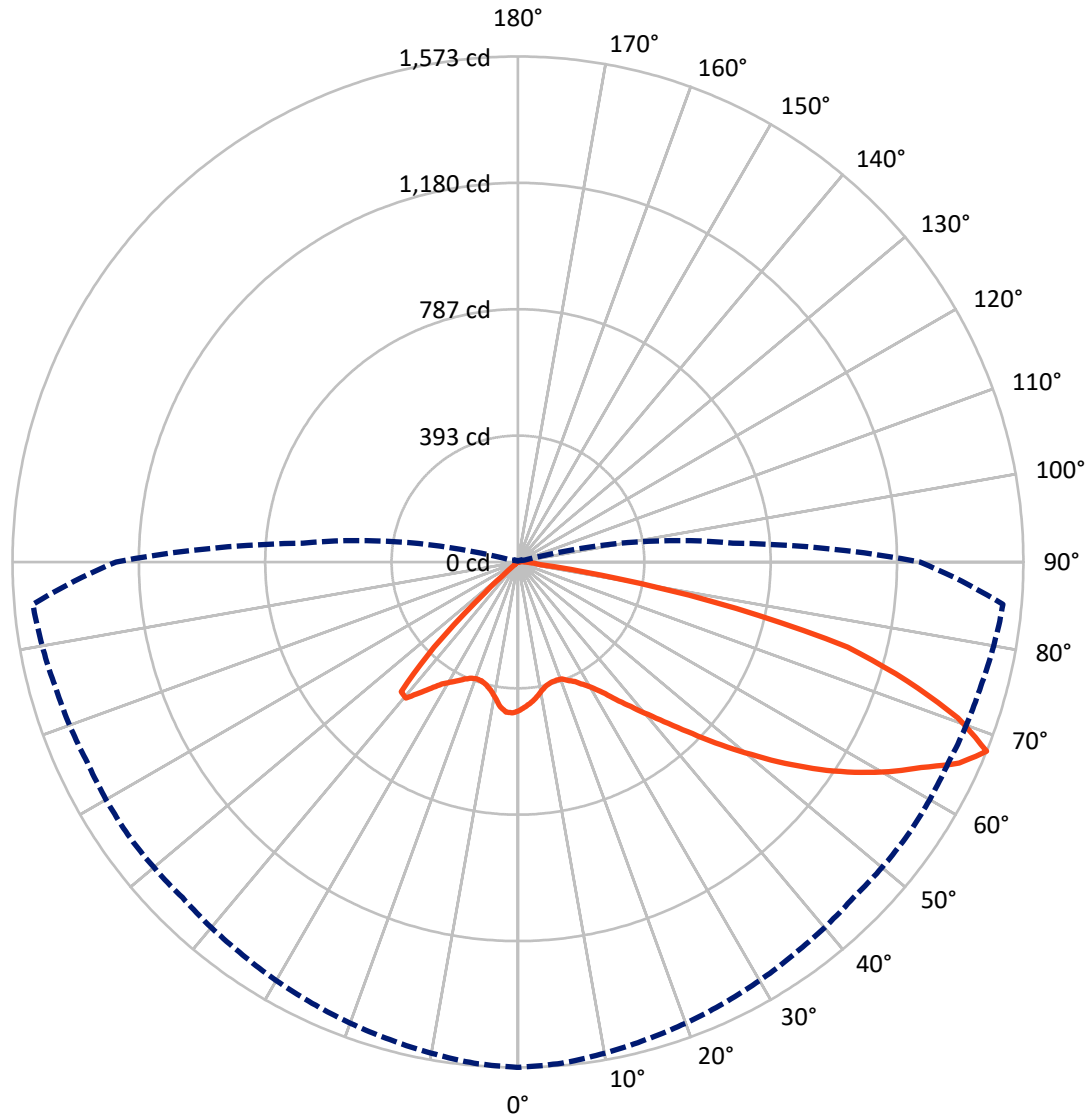
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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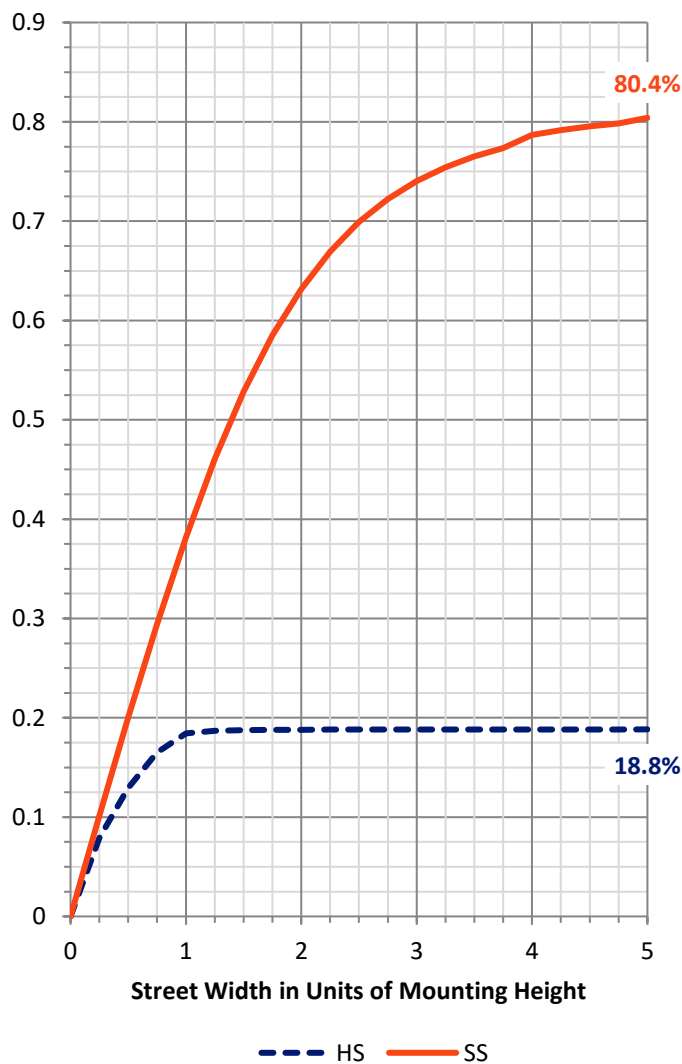
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	561.5	1.1	562.6
	% Fixture	18.9	0.0	19.0
<b>Street Side</b>	Lumens	2395.7	6.7	2402.4
	% Fixture	80.8	0.2	81.0
<b>Total</b>	Lumens	2957.2	7.8	2965.0
	% Fixture	99.7	0.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	1.4
10°-20°	108.8	3.7
20°-30°	186.7	6.3
30°-40°	315.6	10.6
40°-50°	421.1	14.2
50°-60°	534.7	18.0
60°-70°	748.8	25.3
70°-80°	542.3	18.3
80°-90°	57.8	1.9
90°-100°	6.5	0.2
100°-110°	0.7	0.0
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2957.2	99.7
0°-180°	2965.0	100.0

**Coefficient of Utilization**



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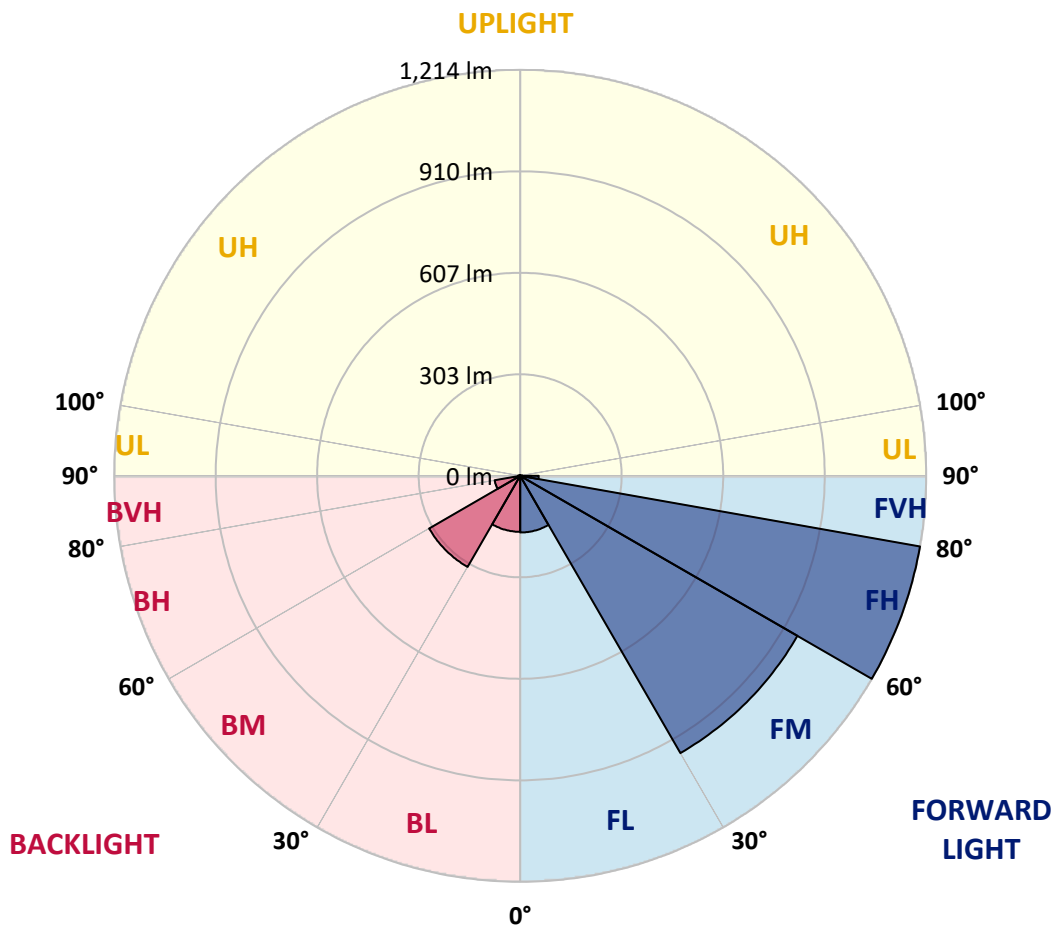
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-U0-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.5	5.7			
FM (30°-60°)	957.0	32.3			
FH (60°-80°)	1213.6	40.9			G1/1800
FVH (80°-90°)	55.6	1.9			G1/100
BL (0°-30°)	167.4	5.6	B1/500		
BM (30°-60°)	314.4	10.6	B1/1000		
BH (60°-80°)	77.5	2.6	B0/110		G0/110
BVH (80°-90°)	2.2	0.1			G0/10
UL (90°-100°)	6.5	0.2		U1/10	
UH (100°-180°)	1.3	0.0		U1/10	

**BUG Rating: B1-U1-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6
2.5°	450.8	452.3	452.3	452.3	453.7	452.3	452.3	452.3	452.3	453.7	453.7
5°	438.9	438.9	438.9	440.4	440.4	438.9	437.4	438.9	438.9	440.4	440.4
7.5°	424.1	424.1	424.1	425.6	424.1	421.1	418.2	419.6	418.2	419.6	421.1
10°	406.3	407.8	407.8	406.3	404.8	400.4	395.9	397.4	395.9	397.4	397.4
12.5°	394.4	395.9	395.9	394.4	390.0	387.0	384.1	381.1	379.6	382.6	381.1
15°	388.5	390.0	390.0	388.5	385.5	382.6	376.6	375.2	372.2	370.7	372.2
17.5°	387.0	387.0	387.0	385.5	382.6	378.1	375.2	372.2	370.7	370.7	369.2
20°	388.5	391.5	390.0	388.5	385.5	382.6	378.1	373.7	373.7	373.7	372.2
22.5°	400.4	400.4	398.9	398.9	395.9	391.5	387.0	384.1	381.1	381.1	381.1
25°	412.2	413.7	413.7	412.2	407.8	401.8	400.4	395.9	394.4	393.0	391.5
27.5°	431.5	430.0	431.5	431.5	425.6	422.6	418.2	415.2	413.7	410.7	409.3
30°	453.7	453.7	453.7	453.7	449.3	443.4	440.4	436.0	431.5	431.5	428.5
32.5°	483.4	484.9	484.9	483.4	479.0	473.0	470.1	464.1	462.6	459.7	456.7
35°	524.9	524.9	524.9	522.0	516.0	511.6	508.6	504.2	502.7	498.2	490.8
37.5°	570.9	570.9	573.9	570.9	565.0	559.0	554.6	551.6	547.2	544.2	539.8
40°	624.3	624.3	625.8	621.3	615.4	612.4	608.0	602.0	599.1	597.6	588.7
42.5°	686.6	689.5	689.5	685.1	680.6	676.2	670.2	665.8	662.8	656.9	645.0
45°	762.2	760.7	763.7	759.2	756.2	754.8	745.9	735.5	737.0	723.6	710.3
47.5°	851.1	852.6	851.1	846.7	843.7	842.3	833.4	820.0	814.1	803.7	778.5
50°	941.6	943.1	941.6	938.6	941.6	932.7	922.3	910.5	909.0	895.6	857.1
52.5°	1041.0	1036.5	1035.0	1033.5	1030.6	1026.1	1015.7	1002.4	1003.9	989.1	928.3
55°	1140.3	1135.9	1128.4	1125.5	1122.5	1115.1	1106.2	1101.7	1100.3	1085.4	1003.9
57.5°	1235.2	1227.8	1217.4	1215.9	1211.5	1201.1	1196.6	1189.2	1189.2	1172.9	1058.7
60°	1325.7	1316.8	1304.9	1299.0	1291.5	1282.7	1281.2	1276.7	1278.2	1269.3	1118.1
62.5°	1408.7	1401.3	1386.5	1377.6	1365.7	1358.3	1359.8	1356.8	1362.7	1356.8	1170.0
65°	1509.5	1500.6	1482.8	1463.6	1447.2	1435.4	1430.9	1439.8	1465.0	1471.0	1239.7
67.5°	1573.3	1565.9	1539.2	1515.5	1493.2	1476.9	1481.4	1478.4	1491.7	1515.5	1251.5
70°	1453.2	1450.2	1423.5	1408.7	1392.4	1376.1	1377.6	1373.1	1383.5	1389.4	1147.7
72.5°	1267.8	1282.7	1248.5	1247.1	1236.7	1238.2	1221.9	1233.7	1226.3	1226.3	1015.7
75°	1060.2	1029.1	1018.7	1043.9	1029.1	1030.6	1027.6	1041.0	1039.5	1041.0	883.8
77.5°	695.4	701.4	688.0	714.7	728.1	750.3	760.7	796.3	782.9	780.0	699.9
80°	311.4	318.8	320.3	345.5	361.8	384.1	376.6	401.8	385.5	358.8	342.5
82.5°	69.7	69.7	78.6	100.8	106.8	111.2	111.2	115.7	91.9	56.3	46.0
85°	47.5	46.0	62.3	84.5	89.0	86.0	83.0	77.1	53.4	16.3	13.3
87.5°	31.1	32.6	50.4	69.7	72.7	68.2	63.8	57.8	38.6	4.4	3.0
90°	20.8	23.7	38.6	53.4	53.4	50.4	46.0	38.6	23.7	1.5	1.5
92.5°	10.4	11.9	19.3	23.7	22.2	19.3	17.8	14.8	8.9	1.5	1.5
95°	5.9	5.9	8.9	8.9	8.9	7.4	7.4	5.9	3.0	1.5	1.5
97.5°	4.4	4.4	5.9	5.9	4.4	4.4	4.4	3.0	1.5	1.5	1.5
100°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5
102.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
105°	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	1.5
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5	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	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5
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	1.5	0.0	1.5	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	1.5	1.5
175°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
177.5°	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5	1.5	1.5
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°	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6
2.5°	455.2	456.7	458.2	461.2	461.2	465.6	467.1	468.6	470.1	470.1
5°	443.4	444.9	449.3	452.3	456.7	459.7	464.1	465.6	467.1	468.6
7.5°	421.1	424.1	428.5	430.0	436.0	440.4	444.9	449.3	450.8	453.7
10°	398.9	400.4	401.8	406.3	409.3	415.2	421.1	424.1	427.1	427.1
12.5°	382.6	384.1	385.5	387.0	391.5	394.4	400.4	403.3	404.8	407.8
15°	372.2	372.2	375.2	375.2	378.1	382.6	385.5	390.0	391.5	394.4
17.5°	369.2	369.2	370.7	372.2	375.2	376.6	379.6	384.1	385.5	387.0
20°	370.7	372.2	372.2	373.7	376.6	378.1	381.1	382.6	384.1	385.5
22.5°	378.1	376.6	378.1	378.1	379.6	382.6	385.5	388.5	390.0	390.0
25°	388.5	387.0	387.0	390.0	391.5	393.0	397.4	398.9	400.4	400.4
27.5°	406.3	404.8	406.3	406.3	407.8	407.8	412.2	412.2	413.7	415.2
30°	424.1	419.6	419.6	419.6	421.1	424.1	425.6	428.5	430.0	430.0
32.5°	450.8	441.9	440.4	441.9	441.9	443.4	447.8	446.3	449.3	447.8
35°	484.9	476.0	473.0	473.0	473.0	473.0	477.5	474.5	477.5	476.0
37.5°	526.4	514.5	513.1	513.1	510.1	511.6	513.1	510.1	508.6	510.1
40°	570.9	550.1	548.6	550.1	550.1	550.1	550.1	548.6	547.2	548.6
42.5°	550.1	467.1	477.5	492.3	507.1	524.9	529.4	541.2	542.7	542.7
45°	480.4	269.9	284.7	306.9	315.8	321.8	338.1	363.3	370.7	372.2
47.5°	424.1	90.5	96.4	105.3	120.1	127.5	129.0	146.8	154.2	139.4
50°	419.6	20.8	14.8	14.8	16.3	13.3	13.3	14.8	14.8	14.8
52.5°	458.2	19.3	13.3	11.9	11.9	11.9	10.4	11.9	11.9	11.9
55°	498.2	19.3	13.3	11.9	11.9	11.9	10.4	10.4	10.4	10.4
57.5°	530.9	19.3	13.3	11.9	11.9	10.4	8.9	8.9	8.9	8.9
60°	569.4	19.3	13.3	11.9	11.9	8.9	7.4	7.4	7.4	7.4
62.5°	602.0	20.8	13.3	11.9	10.4	7.4	7.4	7.4	7.4	7.4
65°	649.5	20.8	13.3	10.4	7.4	5.9	5.9	5.9	5.9	5.9
67.5°	671.7	20.8	11.9	8.9	5.9	4.4	4.4	4.4	4.4	4.4
70°	605.0	16.3	8.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	517.5	11.9	5.9	4.4	3.0	3.0	3.0	3.0	3.0	1.5
75°	412.2	7.4	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
77.5°	289.2	5.9	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
80°	120.1	4.4	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.8	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.9	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-U0-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	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°	1.5	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	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	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°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.5	1.5	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)