

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: P691002

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691002  
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-C01-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**

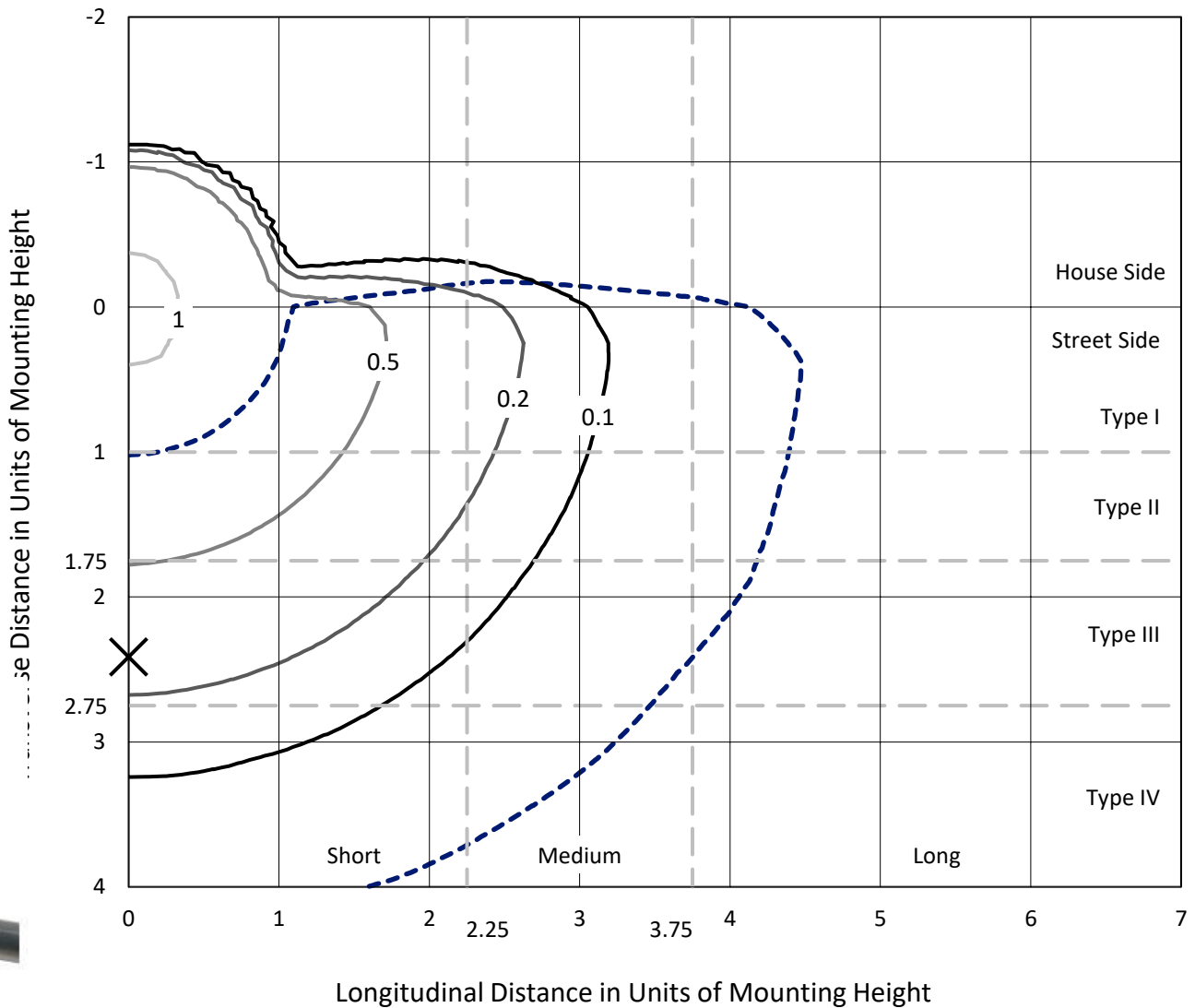
Lumens per Lamp: N/A  
Luminaire Lumens: 5833 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G2  
  
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (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

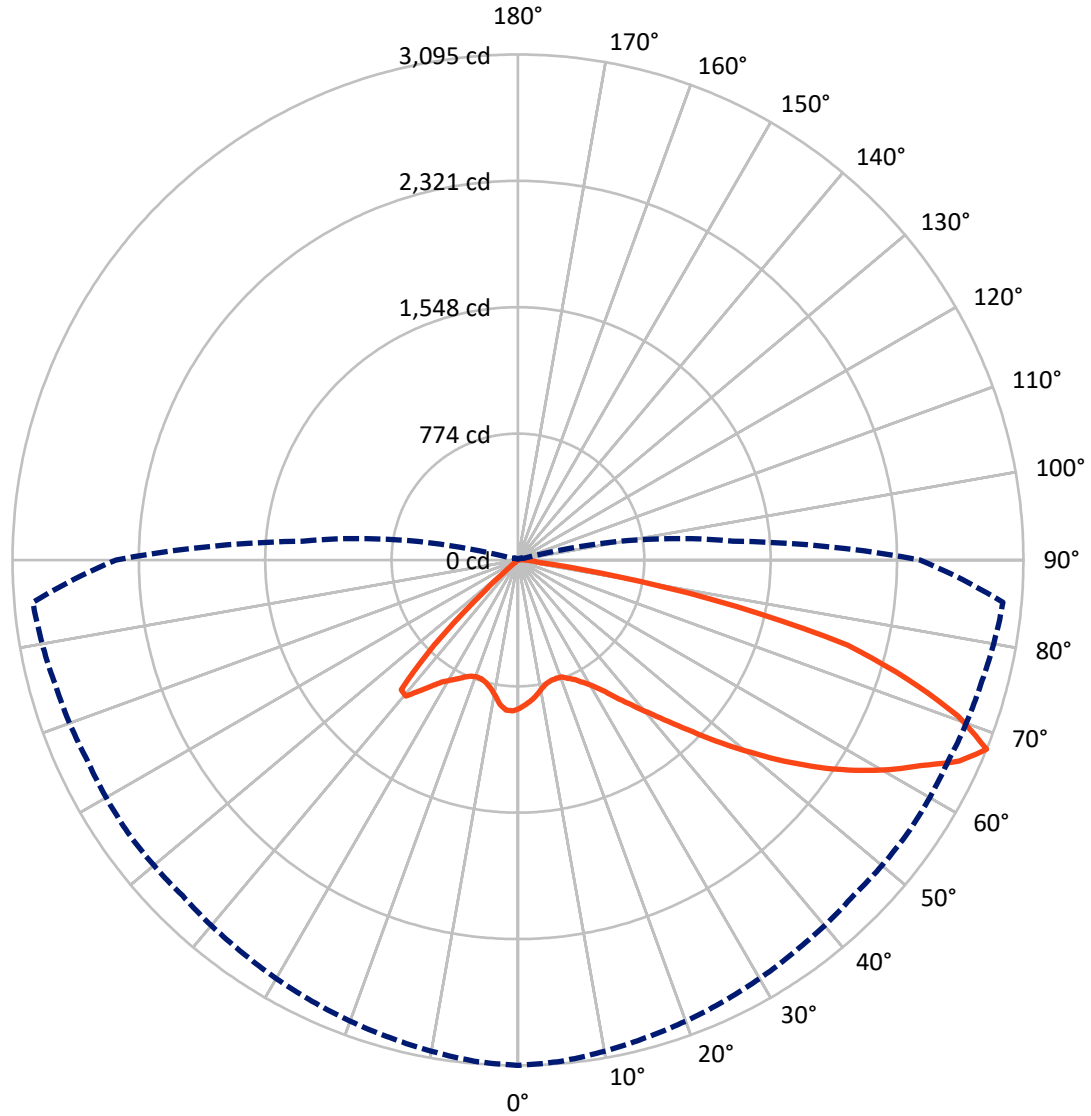
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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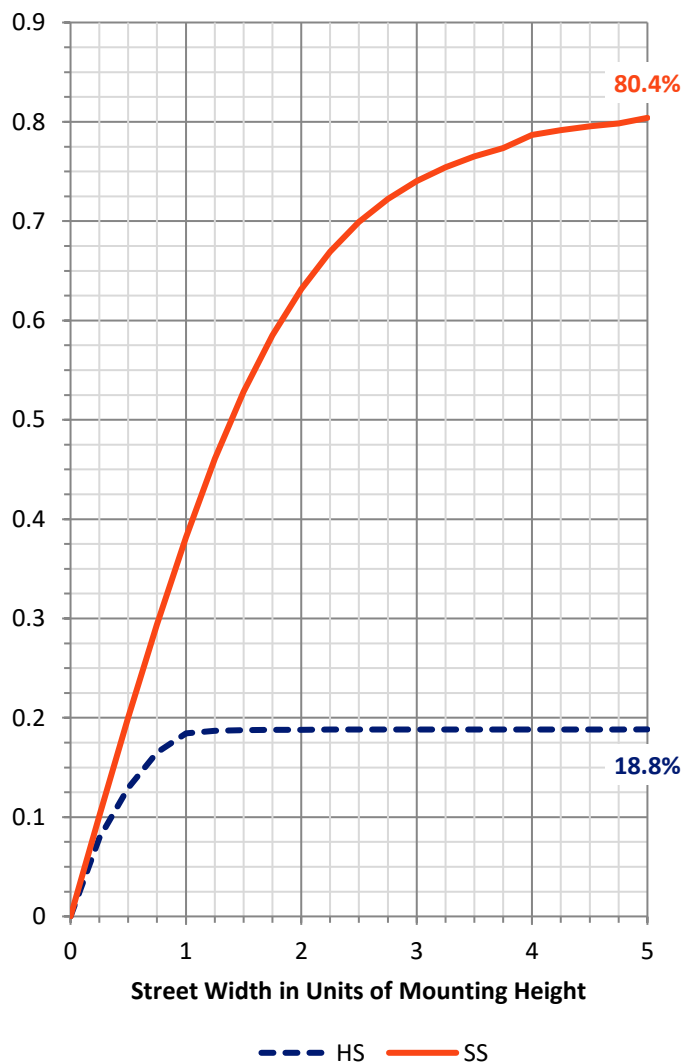
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1104.7	2.1	1106.7
	% Fixture	18.9	0.0	19.0
<b>Street Side</b>	Lumens	4713.0	13.2	4726.3
	% Fixture	80.8	0.2	81.0
<b>Total</b>	Lumens	5817.7	15.3	5833.0
	% Fixture	99.7	0.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.4	1.4
10°-20°	214.1	3.7
20°-30°	367.2	6.3
30°-40°	620.9	10.6
40°-50°	828.5	14.2
50°-60°	1051.9	18.0
60°-70°	1473.1	25.3
70°-80°	1066.9	18.3
80°-90°	113.7	1.9
90°-100°	12.7	0.2
100°-110°	1.3	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5817.7	99.7
0°-180°	5833.0	100.0

**Coefficient of Utilization**



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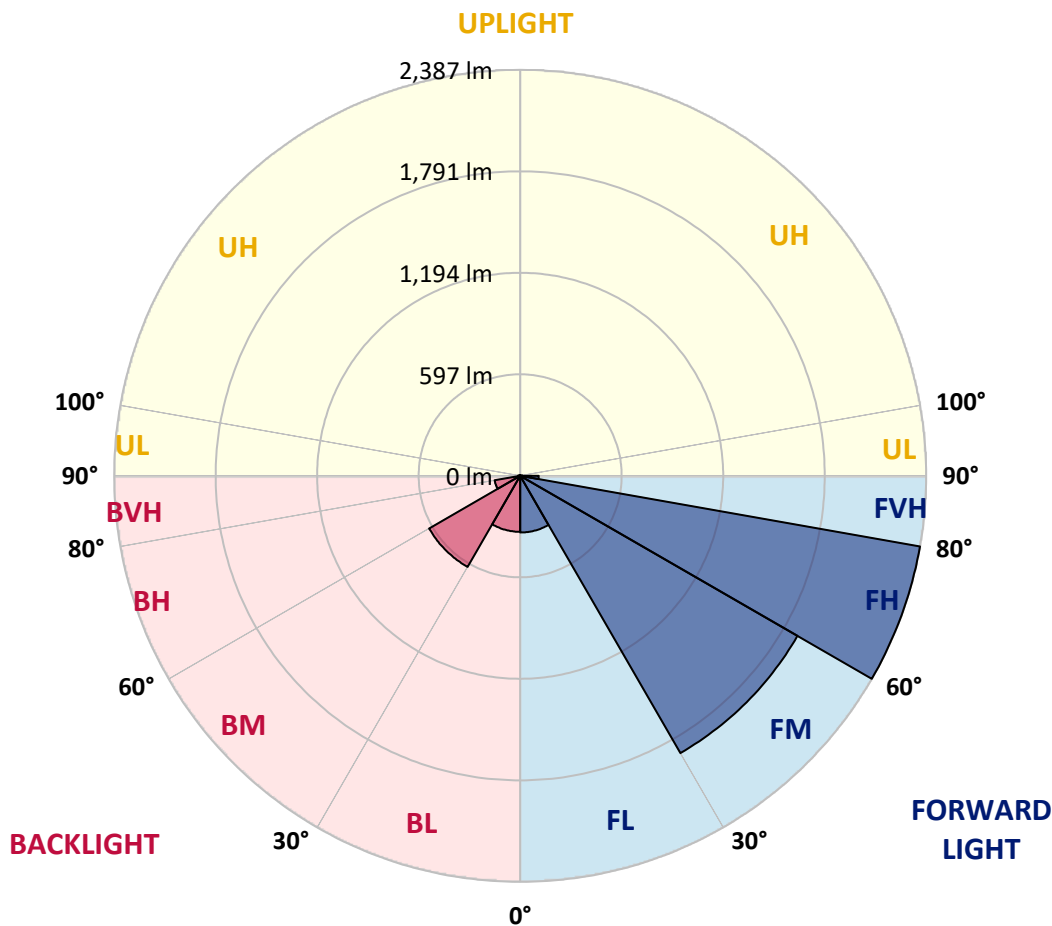
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-U0-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.4	5.7			
FM (30°-60°)	1882.7	32.3			
FH (60°-80°)	2387.5	40.9			G2/5000
FVH (80°-90°)	109.4	1.9			G2/225
BL (0°-30°)	329.3	5.6	B1/500		
BM (30°-60°)	618.6	10.6	B1/1000		
BH (60°-80°)	152.5	2.6	B1/500		G1/500
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	12.7	0.2		U2/50	
UH (100°-180°)	2.6	0.0		U1/10	

**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°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	886.8	889.7	889.7	889.7	892.7	889.7	889.7	889.7	889.7	892.7	892.7
5°	863.5	863.5	863.5	866.4	866.4	863.5	860.6	863.5	863.5	866.4	866.4
7.5°	834.3	834.3	834.3	837.2	834.3	828.5	822.6	825.6	822.6	825.6	828.5
10°	799.3	802.2	802.2	799.3	796.4	787.6	778.9	781.8	778.9	781.8	781.8
12.5°	776.0	778.9	778.9	776.0	767.2	761.4	755.5	749.7	746.8	752.6	749.7
15°	764.3	767.2	767.2	764.3	758.5	752.6	741.0	738.0	732.2	729.3	732.2
17.5°	761.4	761.4	761.4	758.5	752.6	743.9	738.0	732.2	729.3	729.3	726.4
20°	764.3	770.1	767.2	764.3	758.5	752.6	743.9	735.1	735.1	735.1	732.2
22.5°	787.6	787.6	784.7	784.7	778.9	770.1	761.4	755.5	749.7	749.7	749.7
25°	811.0	813.9	813.9	811.0	802.2	790.6	787.6	778.9	776.0	773.0	770.1
27.5°	848.9	846.0	848.9	848.9	837.2	831.4	822.6	816.8	813.9	808.1	805.1
30°	892.7	892.7	892.7	892.7	883.9	872.2	866.4	857.6	848.9	848.9	843.1
32.5°	951.0	953.9	953.9	951.0	942.2	930.6	924.7	913.1	910.2	904.3	898.5
35°	1032.7	1032.7	1032.7	1026.8	1015.2	1006.4	1000.6	991.8	988.9	980.2	965.6
37.5°	1123.1	1123.1	1128.9	1123.1	1111.4	1099.8	1091.0	1085.2	1076.4	1070.6	1061.8
40°	1228.1	1228.1	1231.0	1222.3	1210.6	1204.8	1196.0	1184.4	1178.5	1175.6	1158.1
42.5°	1350.6	1356.5	1356.5	1347.7	1339.0	1330.2	1318.6	1309.8	1304.0	1292.3	1269.0
45°	1499.4	1496.5	1502.3	1493.6	1487.8	1484.8	1467.3	1446.9	1449.8	1423.6	1397.3
47.5°	1674.4	1677.4	1674.4	1665.7	1659.9	1656.9	1639.4	1613.2	1601.5	1581.1	1531.5
50°	1852.4	1855.3	1852.4	1846.6	1852.4	1834.9	1814.5	1791.1	1788.2	1762.0	1686.1
52.5°	2047.8	2039.1	2036.2	2033.3	2027.4	2018.7	1998.3	1972.0	1974.9	1945.7	1826.1
55°	2243.3	2234.5	2220.0	2214.1	2208.3	2193.7	2176.2	2167.5	2164.5	2135.4	1974.9
57.5°	2430.0	2415.4	2395.0	2392.1	2383.3	2362.9	2354.1	2339.6	2339.6	2307.5	2082.9
60°	2607.9	2590.4	2567.1	2555.4	2540.8	2523.3	2520.4	2511.7	2514.6	2497.1	2199.5
62.5°	2771.3	2756.7	2727.5	2710.0	2686.7	2672.1	2675.0	2669.2	2680.9	2669.2	2301.6
65°	2969.7	2952.2	2917.2	2879.2	2847.1	2823.8	2815.1	2832.6	2882.2	2893.8	2438.7
67.5°	3095.1	3080.5	3028.0	2981.3	2937.6	2905.5	2914.2	2908.4	2934.7	2981.3	2462.1
70°	2858.8	2853.0	2800.5	2771.3	2739.2	2707.1	2710.0	2701.3	2721.7	2733.4	2257.9
72.5°	2494.2	2523.3	2456.2	2453.3	2432.9	2435.8	2403.7	2427.1	2412.5	2412.5	1998.3
75°	2085.8	2024.5	2004.1	2053.7	2024.5	2027.4	2021.6	2047.8	2044.9	2047.8	1738.6
77.5°	1368.1	1379.8	1353.6	1406.1	1432.3	1476.1	1496.5	1566.5	1540.3	1534.4	1376.9
80°	612.6	627.2	630.1	679.7	711.8	755.5	741.0	790.6	758.5	706.0	673.9
82.5°	137.1	137.1	154.6	198.4	210.0	218.8	218.8	227.5	180.9	110.9	90.4
85°	93.3	90.4	122.5	166.3	175.0	169.2	163.4	151.7	105.0	32.1	26.3
87.5°	61.3	64.2	99.2	137.1	142.9	134.2	125.4	113.8	75.8	8.8	5.8
90°	40.8	46.7	75.8	105.0	105.0	99.2	90.4	75.8	46.7	2.9	2.9
92.5°	20.4	23.3	37.9	46.7	43.8	37.9	35.0	29.2	17.5	2.9	2.9
95°	11.7	11.7	17.5	17.5	17.5	14.6	14.6	11.7	5.8	2.9	2.9
97.5°	8.8	8.8	11.7	11.7	8.8	8.8	8.8	5.8	2.9	2.9	2.9
100°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
105°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9
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	2.9	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	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9
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	2.9	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9
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°	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
2.5°	895.6	898.5	901.4	907.2	907.2	916.0	918.9	921.8	924.7	924.7
5°	872.2	875.1	883.9	889.7	898.5	904.3	913.1	916.0	918.9	921.8
7.5°	828.5	834.3	843.1	846.0	857.6	866.4	875.1	883.9	886.8	892.7
10°	784.7	787.6	790.6	799.3	805.1	816.8	828.5	834.3	840.1	840.1
12.5°	752.6	755.5	758.5	761.4	770.1	776.0	787.6	793.5	796.4	802.2
15°	732.2	732.2	738.0	738.0	743.9	752.6	758.5	767.2	770.1	776.0
17.5°	726.4	726.4	729.3	732.2	738.0	741.0	746.8	755.5	758.5	761.4
20°	729.3	732.2	732.2	735.1	741.0	743.9	749.7	752.6	755.5	758.5
22.5°	743.9	741.0	743.9	743.9	746.8	752.6	758.5	764.3	767.2	767.2
25°	764.3	761.4	761.4	767.2	770.1	773.0	781.8	784.7	787.6	787.6
27.5°	799.3	796.4	799.3	799.3	802.2	802.2	811.0	811.0	813.9	816.8
30°	834.3	825.6	825.6	825.6	828.5	834.3	837.2	843.1	846.0	846.0
32.5°	886.8	869.3	866.4	869.3	869.3	872.2	881.0	878.1	883.9	881.0
35°	953.9	936.4	930.6	930.6	930.6	930.6	939.3	933.5	939.3	936.4
37.5°	1035.6	1012.3	1009.3	1009.3	1003.5	1006.4	1009.3	1003.5	1000.6	1003.5
40°	1123.1	1082.3	1079.3	1082.3	1082.3	1082.3	1082.3	1079.3	1076.4	1079.3
42.5°	1082.3	918.9	939.3	968.5	997.7	1032.7	1041.4	1064.8	1067.7	1067.7
45°	945.2	530.9	560.1	603.9	621.4	633.0	665.1	714.7	729.3	732.2
47.5°	834.3	177.9	189.6	207.1	236.3	250.9	253.8	288.8	303.4	274.2
50°	825.6	40.8	29.2	29.2	32.1	26.3	26.3	29.2	29.2	29.2
52.5°	901.4	37.9	26.3	23.3	23.3	23.3	20.4	23.3	23.3	23.3
55°	980.2	37.9	26.3	23.3	23.3	23.3	20.4	20.4	20.4	20.4
57.5°	1044.3	37.9	26.3	23.3	23.3	20.4	17.5	17.5	17.5	17.5
60°	1120.2	37.9	26.3	23.3	23.3	17.5	14.6	14.6	14.6	14.6
62.5°	1184.4	40.8	26.3	23.3	20.4	14.6	14.6	14.6	14.6	14.6
65°	1277.7	40.8	26.3	20.4	14.6	11.7	11.7	11.7	11.7	11.7
67.5°	1321.5	40.8	23.3	17.5	11.7	8.8	8.8	8.8	8.8	8.8
70°	1190.2	32.1	17.5	11.7	8.8	8.8	8.8	8.8	8.8	8.8
72.5°	1018.1	23.3	11.7	8.8	5.8	5.8	5.8	5.8	5.8	2.9
75°	811.0	14.6	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
77.5°	568.8	11.7	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
80°	236.3	8.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.0	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.7	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691002  
 CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-U0-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	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°	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)