

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: P691955

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01HO-D-U-T2-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11651.1 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G3

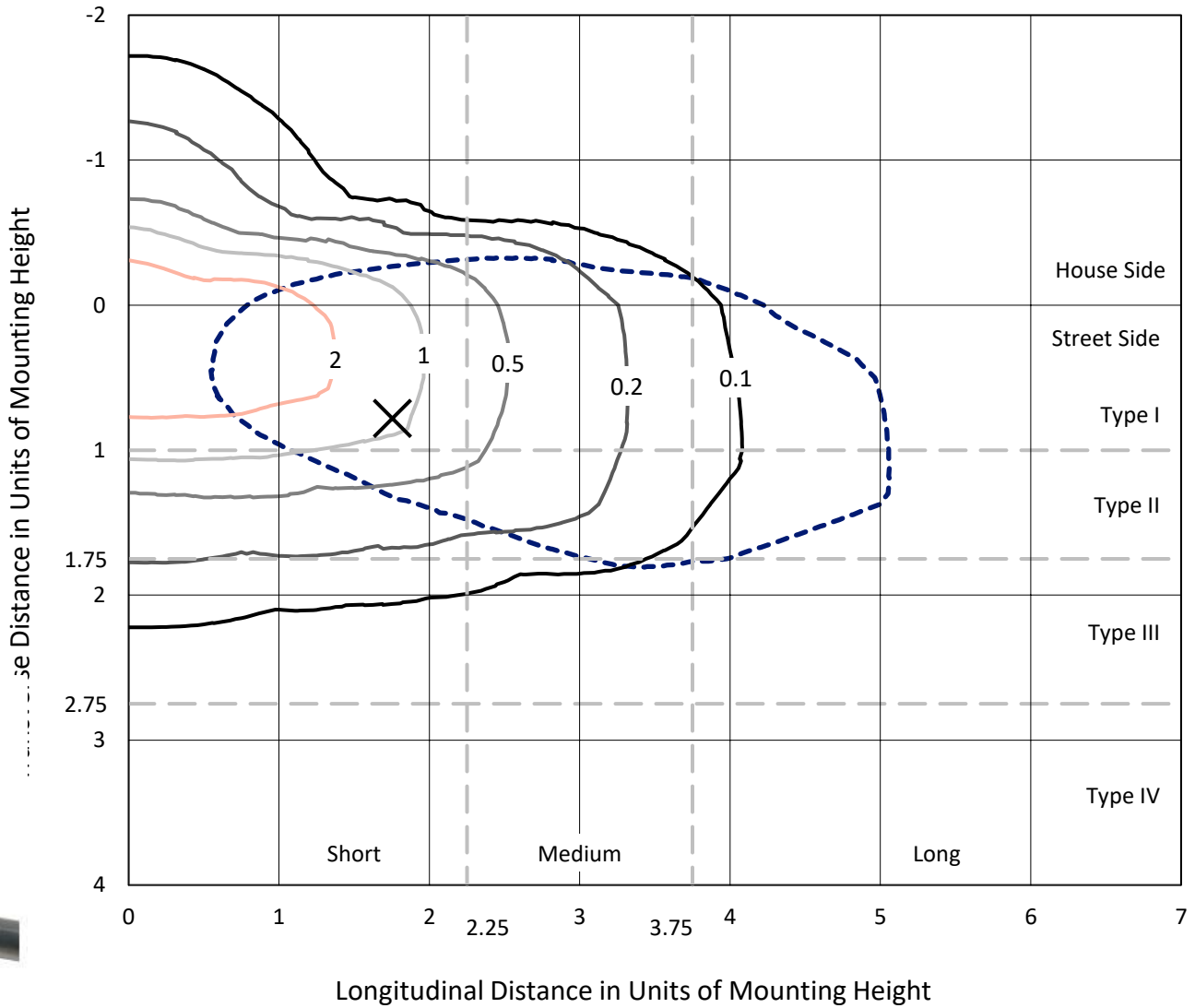
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P691955  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

### Iso-Footcandle Lines of Horizontal Illumination

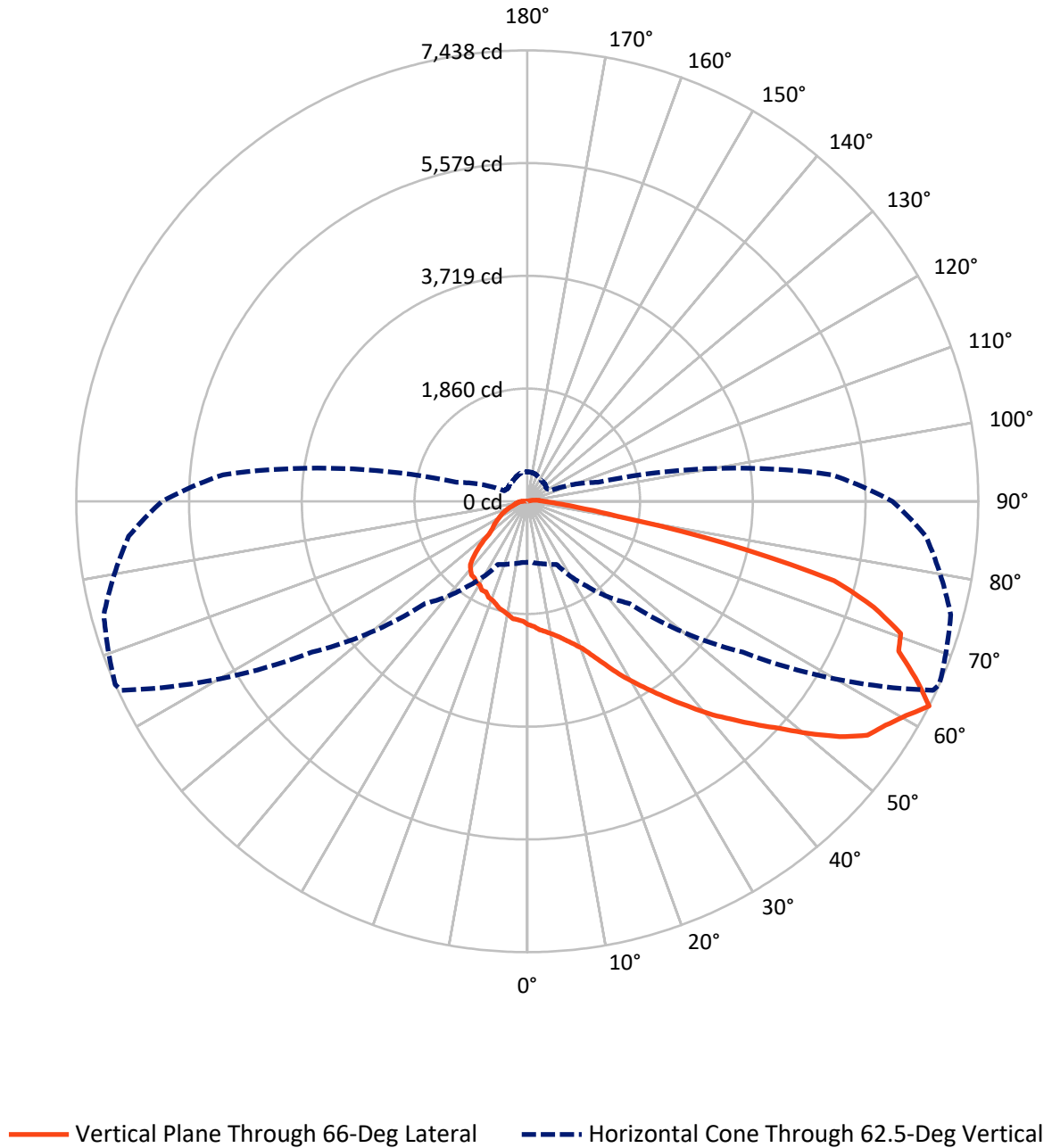
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P691955  
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

### Luminous Intensity Polar Plot



REPORT NUMBER: P691955  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

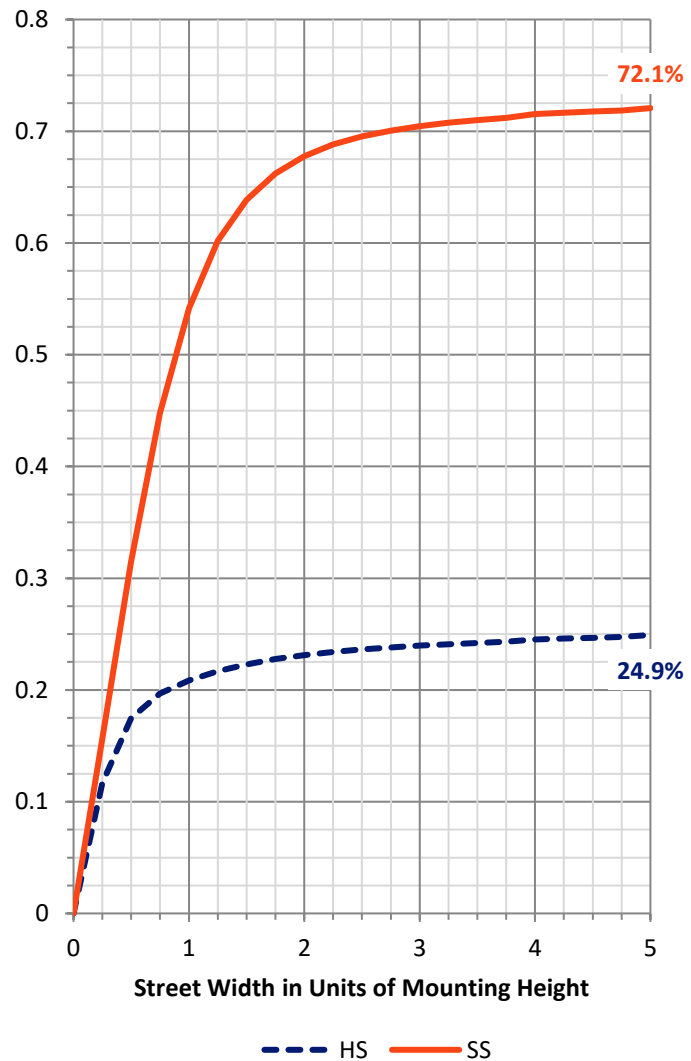
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3032.6	83.8	3116.5
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	8451.6	82.9	8534.6
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	11484.3	166.8	11651.1
	% Fixture	98.6	1.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.7	1.7
10°-20°	585.8	5.0
20°-30°	991.3	8.5
30°-40°	1450.2	12.4
40°-50°	1895.6	16.3
50°-60°	2205.8	18.9
60°-70°	2206.8	18.9
70°-80°	1522.7	13.1
80°-90°	430.4	3.7
90°-100°	141.9	1.2
100°-110°	19.4	0.2
110°-120°	1.1	0.0
120°-130°	1.1	0.0
130°-140°	1.1	0.0
140°-150°	1.0	0.0
150°-160°	0.7	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	11484.3	98.6
0°-180°	11651.1	100.0

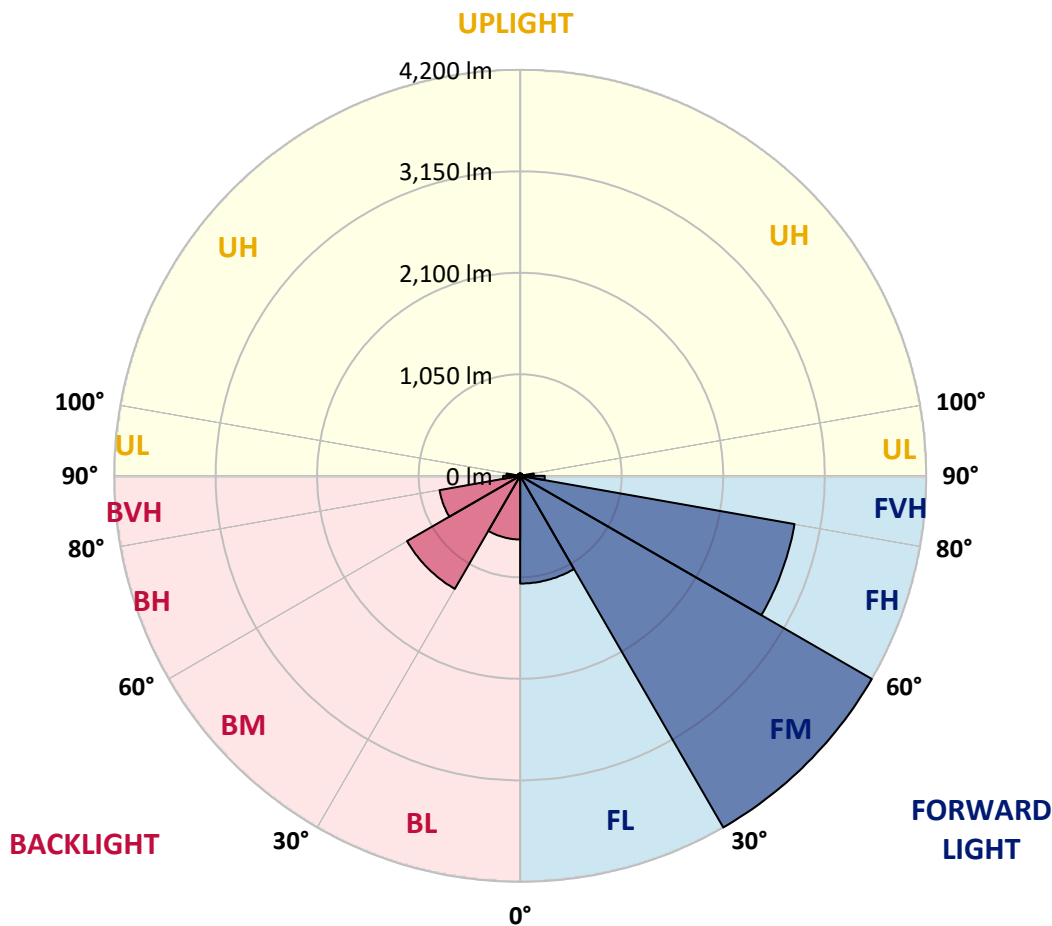


REPORT NUMBER: P691955  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1114.6	9.6			
FM (30°-60°)	4200.5	36.1			
FH (60°-80°)	2882.4	24.7			G2/5000
FVH (80°-90°)	254.2	2.2			G3/500
BL (0°-30°)	658.2	5.6	B2/1000		
BM (30°-60°)	1351.2	11.6	B2/2500		
BH (60°-80°)	847.1	7.3	B2/1000		G2/1000
BVH (80°-90°)	176.2	1.5			G2/225
UL (90°-100°)	141.9	1.2		U3/500	
UH (100°-180°)	24.9	0.2		U2/50	

**BUG Rating: B2-U3-G3**  
 Type II Short





REPORT NUMBER: P691955

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2140.1	2136.3	2136.3	2116.9	2097.6	2093.7	2082.1	2066.6	2066.6	2055.0	2035.6
5°	2267.8	2264.0	2267.8	2240.8	2213.7	2190.4	2151.7	2132.4	2128.5	2101.4	2062.7
7.5°	2356.9	2353.0	2349.1	2325.9	2314.3	2291.1	2236.9	2178.8	2171.1	2144.0	2093.7
10°	2391.7	2395.6	2414.9	2376.2	2353.0	2333.6	2302.7	2233.0	2225.3	2163.3	2085.9
12.5°	2484.6	2488.4	2476.8	2430.4	2422.6	2407.2	2356.9	2298.8	2291.1	2213.7	2105.3
15°	2581.3	2581.3	2565.8	2538.7	2519.4	2503.9	2442.0	2380.1	2376.2	2283.3	2155.6
17.5°	2623.9	2631.6	2635.5	2600.7	2592.9	2589.1	2558.1	2480.7	2473.0	2383.9	2225.3
20°	2651.0	2654.8	2658.7	2654.8	2658.7	2654.8	2670.3	2608.4	2589.1	2496.2	2302.7
22.5°	2705.2	2712.9	2740.0	2740.0	2751.6	2778.7	2767.1	2774.8	2767.1	2654.8	2434.3
25°	2732.2	2743.9	2778.7	2821.3	2871.6	2902.5	2945.1	2976.1	2979.9	2879.3	2635.5
27.5°	2689.7	2716.8	2805.8	2871.6	2987.7	3068.9	3169.6	3219.9	3227.6	3130.9	2852.2
30°	2743.9	2743.9	2798.0	2890.9	3034.1	3223.7	3378.5	3455.9	3463.7	3390.2	3068.9
32.5°	2643.2	2666.5	2790.3	2968.3	3173.4	3390.2	3541.1	3692.0	3711.4	3688.1	3378.5
35°	2631.6	2643.2	2720.6	2906.4	3181.2	3545.0	3753.9	3951.3	3990.0	3997.7	3676.5
37.5°	2523.3	2538.7	2681.9	2914.1	3289.5	3653.3	3920.3	4245.4	4280.3	4334.4	3935.8
40°	2387.8	2411.0	2527.1	2786.4	3258.6	3781.0	4098.4	4555.0	4605.3	4671.1	4276.4
42.5°	2209.8	2252.4	2449.7	2728.4	3243.1	3823.6	4268.6	4864.6	4911.1	4980.7	4562.8
45°	2058.9	2070.5	2229.1	2519.4	3119.2	3881.6	4427.3	5212.9	5243.9	5278.7	4795.0
47.5°	1923.4	1946.6	2082.1	2353.0	2987.7	3870.0	4566.6	5541.9	5596.1	5700.6	5077.5
50°	1520.9	1575.1	1958.2	2209.8	2786.4	3835.2	4682.7	5928.9	6017.9	6056.6	5398.7
52.5°	1315.8	1331.3	1524.8	2070.5	2562.0	3719.1	4783.4	6350.7	6451.3	6362.3	5785.7
55°	1215.2	1230.7	1319.7	1788.0	2387.8	3483.0	4860.8	6749.3	6811.3	6602.3	6072.1
57.5°	1161.0	1172.6	1219.1	1447.4	2175.0	3107.6	4868.5	6946.7	6969.9	6791.9	6219.1
60°	1068.1	1079.7	1161.0	1261.6	1938.9	2709.0	4733.1	7058.9	7178.9	7024.1	6501.7
62.5°	1006.2	1013.9	1068.1	1149.4	1710.6	2383.9	4338.3	7380.2	7438.2	7229.2	6598.4
65°	928.8	936.5	986.9	1060.4	1563.5	2202.0	4168.0	7248.6	7035.7	7178.9	6726.1
67.5°	839.8	851.4	897.8	959.8	1319.7	2024.0	3676.5	6757.1	6606.1	6923.5	6393.3
70°	758.5	766.3	816.6	851.4	1083.6	1791.8	3053.5	6373.9	6532.6	6528.7	6091.4
72.5°	669.5	677.3	719.8	750.8	905.6	1517.1	2422.6	5932.8	5979.2	5812.8	5391.0
75°	576.6	580.5	619.2	650.2	743.0	1215.2	1768.6	4907.2	5228.4	5557.4	4663.4
77.5°	464.4	476.0	507.0	522.5	596.0	971.4	1153.3	2906.4	3320.5	4887.9	4168.0
80°	348.3	348.3	371.5	379.3	441.2	723.7	727.6	1401.0	1505.4	3107.6	3096.0
82.5°	220.6	232.2	255.4	251.6	298.0	414.1	460.5	777.9	835.9	1230.7	1373.9
85°	178.0	181.9	197.4	185.8	197.4	224.5	259.3	491.5	510.8	750.8	746.9
87.5°	147.1	150.9	162.5	154.8	158.7	170.3	201.2	329.0	336.7	483.8	499.2
90°	112.2	116.1	131.6	127.7	123.8	139.3	166.4	251.6	263.2	383.1	410.2
92.5°	73.5	73.5	85.1	85.1	85.1	100.6	147.1	193.5	201.2	348.3	367.7
95°	54.2	54.2	58.1	61.9	58.1	73.5	108.4	174.2	189.6	325.1	317.3
97.5°	34.8	34.8	38.7	42.6	38.7	46.4	61.9	123.8	139.3	251.6	247.7
100°	23.2	23.2	23.2	23.2	23.2	23.2	34.8	81.3	92.9	158.7	154.8
102.5°	15.5	15.5	15.5	15.5	11.6	11.6	15.5	38.7	42.6	85.1	81.3
105°	3.9	3.9	7.7	7.7	7.7	3.9	3.9	15.5	19.4	34.8	34.8
107.5°	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	3.9	3.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691955  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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	3.9
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	3.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	3.9	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	3.9	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





REPORT NUMBER: P691955

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6	2035.6
2.5°	2027.9	2016.3	1996.9	1977.6	1966.0	1954.4	1935.0	1919.5	1919.5	1938.9	1938.9
5°	2035.6	2012.4	1973.7	1958.2	1938.9	1911.8	1880.8	1857.6	1846.0	1861.5	1865.4
7.5°	2055.0	2020.2	1981.5	1946.6	1880.8	1830.5	1803.4	1772.5	1768.6	1784.1	1791.8
10°	2039.5	2004.7	1958.2	1892.4	1822.8	1784.1	1733.8	1695.1	1695.1	1683.5	1691.2
12.5°	2055.0	2008.5	1915.7	1846.0	1784.1	1698.9	1637.0	1598.3	1594.5	1606.1	1606.1
15°	2093.7	2024.0	1904.1	1818.9	1718.3	1633.2	1571.2	1528.7	1540.3	1517.1	1520.9
17.5°	2140.1	2035.6	1904.1	1757.0	1644.8	1563.5	1478.4	1428.0	1431.9	1435.8	1439.7
20°	2198.2	2066.6	1884.7	1710.6	1575.1	1459.0	1362.3	1323.6	1311.9	1319.7	1323.6
22.5°	2287.2	2136.3	1877.0	1687.3	1478.4	1366.1	1281.0	1203.6	1195.8	1195.8	1195.8
25°	2434.3	2240.8	1911.8	1609.9	1428.0	1257.8	1161.0	1087.5	1052.6	1056.5	1060.4
27.5°	2658.7	2407.2	1946.6	1613.8	1311.9	1161.0	1041.0	959.8	940.4	944.3	948.2
30°	2894.8	2631.6	2035.6	1536.4	1246.2	1013.9	890.1	832.1	808.8	797.2	801.1
32.5°	3076.7	2829.0	2159.5	1513.2	1126.2	855.3	777.9	731.4	700.5	688.9	688.9
35°	3366.9	3022.5	2260.1	1455.1	1002.3	754.7	692.7	642.4	626.9	619.2	619.2
37.5°	3614.6	3235.3	2364.6	1431.9	851.4	677.3	599.9	568.9	568.9	561.2	557.3
40°	3881.6	3459.8	2422.6	1362.3	735.3	596.0	518.6	514.7	526.3	526.3	526.3
42.5°	4202.9	3692.0	2484.6	1281.0	646.3	503.1	460.5	491.5	518.6	526.3	526.3
45°	4442.8	3839.1	2511.7	1106.8	557.3	437.3	452.8	483.8	518.6	530.2	526.3
47.5°	4647.9	4051.9	2473.0	894.0	479.9	425.7	445.1	472.1	514.7	530.2	530.2
50°	4853.0	4233.8	2445.9	646.3	448.9	425.7	445.1	456.7	503.1	522.5	522.5
52.5°	5154.9	4377.0	2337.5	541.8	425.7	429.6	452.8	452.8	495.4	518.6	530.2
55°	5541.9	4706.0	2132.4	507.0	418.0	425.7	456.7	456.7	487.6	510.8	518.6
57.5°	5700.6	4822.1	1780.2	476.0	410.2	425.7	445.1	452.8	491.5	507.0	503.1
60°	5909.5	5011.7	1459.0	445.1	394.7	418.0	429.6	456.7	487.6	491.5	487.6
62.5°	6021.8	5034.9	1207.5	414.1	383.1	406.4	410.2	441.2	472.1	483.8	487.6
65°	6083.7	5011.7	894.0	383.1	371.5	390.9	394.7	421.8	452.8	460.5	464.4
67.5°	5859.2	4853.0	619.2	352.2	359.9	371.5	379.3	406.4	429.6	452.8	460.5
70°	5456.7	4392.5	441.2	313.5	340.6	352.2	367.7	394.7	418.0	448.9	456.7
72.5°	5011.7	3537.2	325.1	267.0	313.5	329.0	356.0	375.4	410.2	448.9	460.5
75°	4593.7	3103.8	259.3	228.3	267.0	301.9	336.7	363.8	414.1	549.5	568.9
77.5°	3258.6	2097.6	232.2	201.2	228.3	263.2	309.6	356.0	576.6	654.0	657.9
80°	2364.6	1234.5	209.0	178.0	197.4	212.9	282.5	437.3	638.6	603.7	603.7
82.5°	1184.2	661.8	197.4	158.7	170.3	174.2	251.6	557.3	514.7	537.9	541.8
85°	572.8	321.2	162.5	139.3	147.1	143.2	236.1	530.2	487.6	491.5	483.8
87.5°	359.9	197.4	127.7	116.1	120.0	116.1	224.5	507.0	510.8	418.0	425.7
90°	325.1	232.2	100.6	92.9	81.3	96.8	201.2	472.1	499.2	301.9	251.6
92.5°	313.5	251.6	73.5	65.8	58.1	77.4	150.9	383.1	305.7	127.7	77.4
95°	278.6	220.6	61.9	46.4	54.2	65.8	96.8	255.4	205.1	0.0	0.0
97.5°	209.0	162.5	50.3	31.0	174.2	58.1	54.2	166.4	58.1	0.0	0.0
100°	131.6	100.6	38.7	23.2	197.4	38.7	34.8	96.8	0.0	0.0	0.0
102.5°	73.5	54.2	19.4	15.5	85.1	19.4	23.2	23.2	0.0	0.0	0.0
105°	31.0	27.1	7.7	7.7	7.7	3.9	11.6	0.0	0.0	0.0	0.0
107.5°	7.7	11.6	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
110°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691955  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
115°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
117.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
120°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
125°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
127.5°	3.9	3.9	3.9	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0
130°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
152.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
155°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
157.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
162.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
165°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
167.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.9	3.9	3.9	3.9	3.9	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)