

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: P691800

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10216 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B3 - U3 - G3

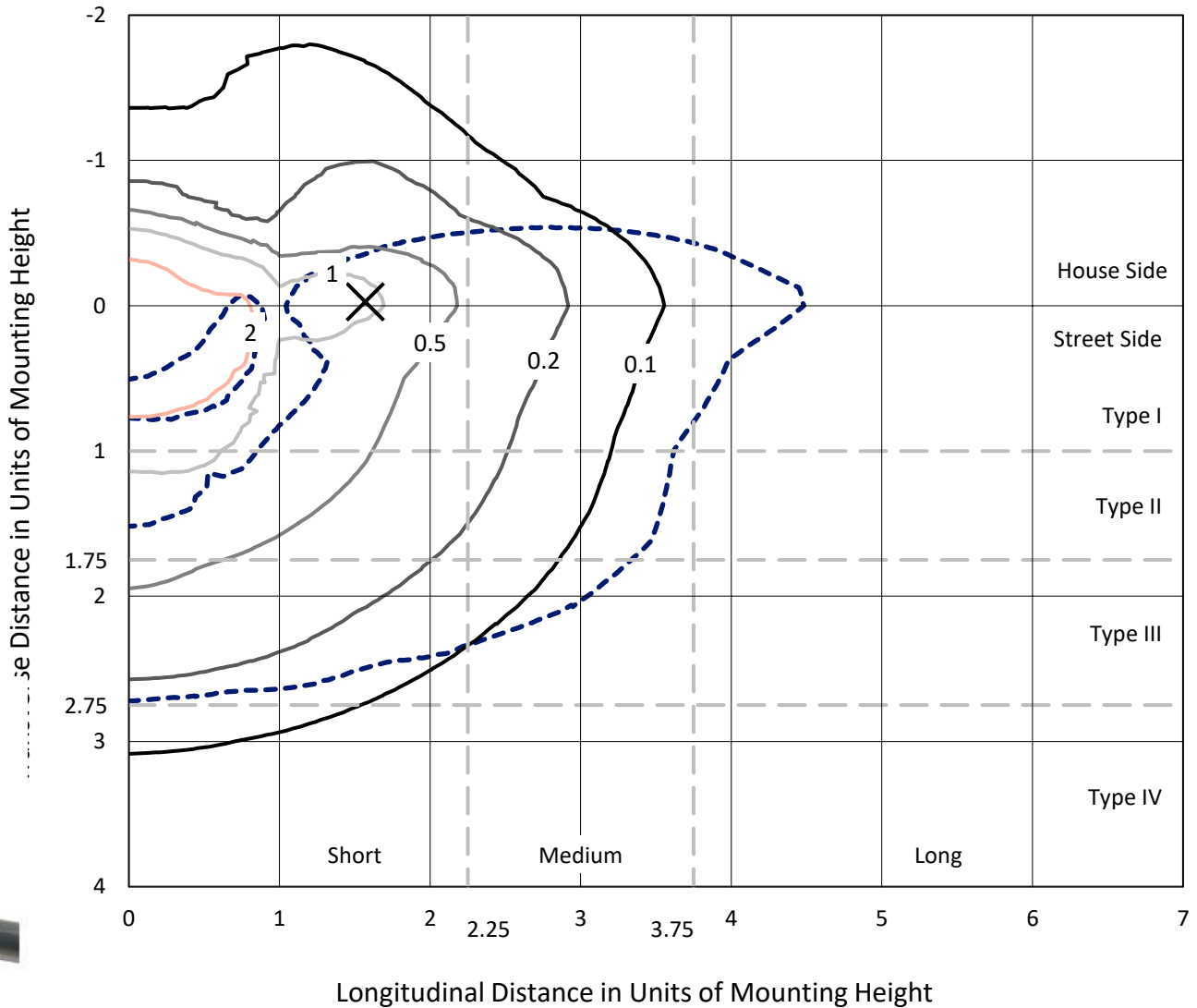
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

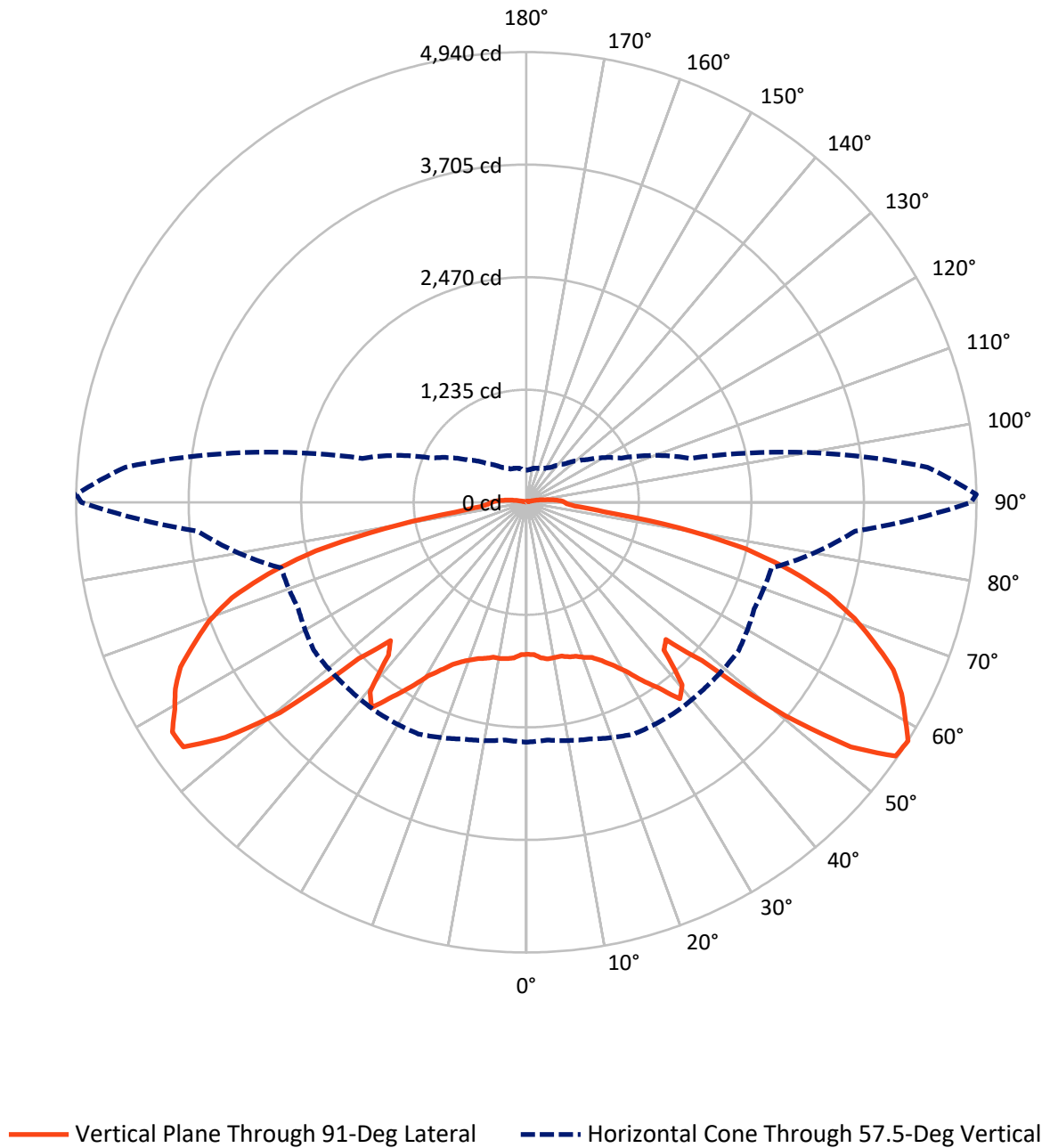
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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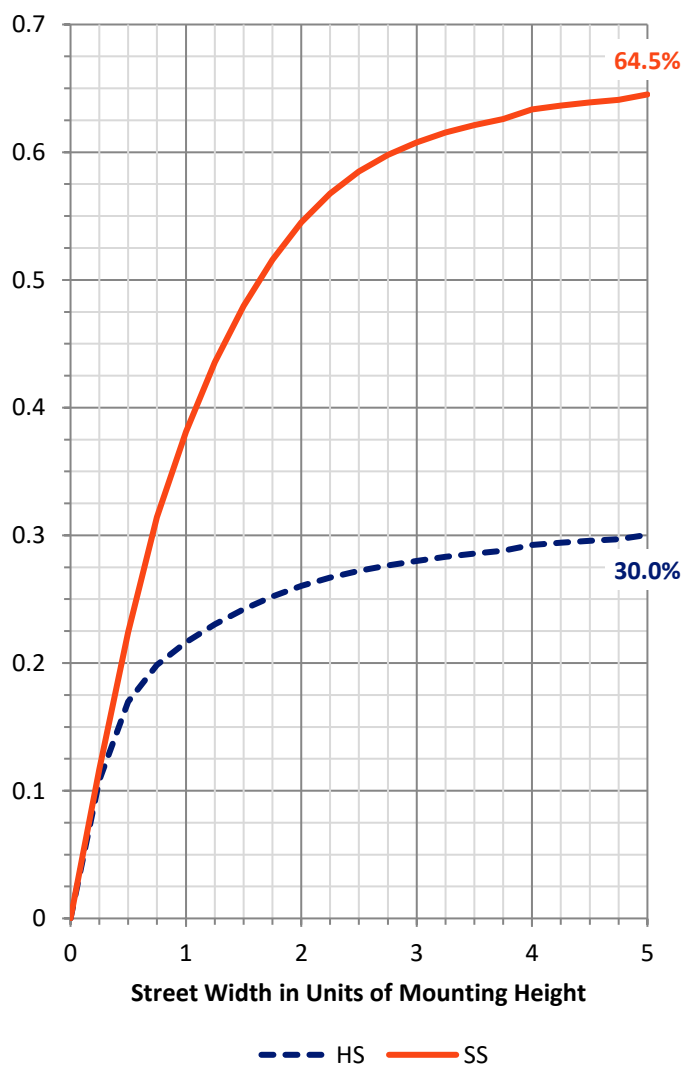
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3242.7	157.7	3400.4
	% Fixture	31.7	1.5	33.3
<b>Street Side</b>	Lumens	6680.6	134.9	6815.5
	% Fixture	65.4	1.3	66.7
<b>Total</b>	Lumens	9923.4	292.6	10216.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.2	1.6
10°-20°	496.5	4.9
20°-30°	844.1	8.3
30°-40°	1187.8	11.6
40°-50°	1127.9	11.0
50°-60°	1689.6	16.5
60°-70°	2186.4	21.4
70°-80°	1654.7	16.2
80°-90°	573.2	5.6
90°-100°	215.2	2.1
100°-110°	50.4	0.5
110°-120°	17.4	0.2
120°-130°	8.8	0.1
130°-140°	0.8	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°	9923.4	97.1
0°-180°	10216.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691800

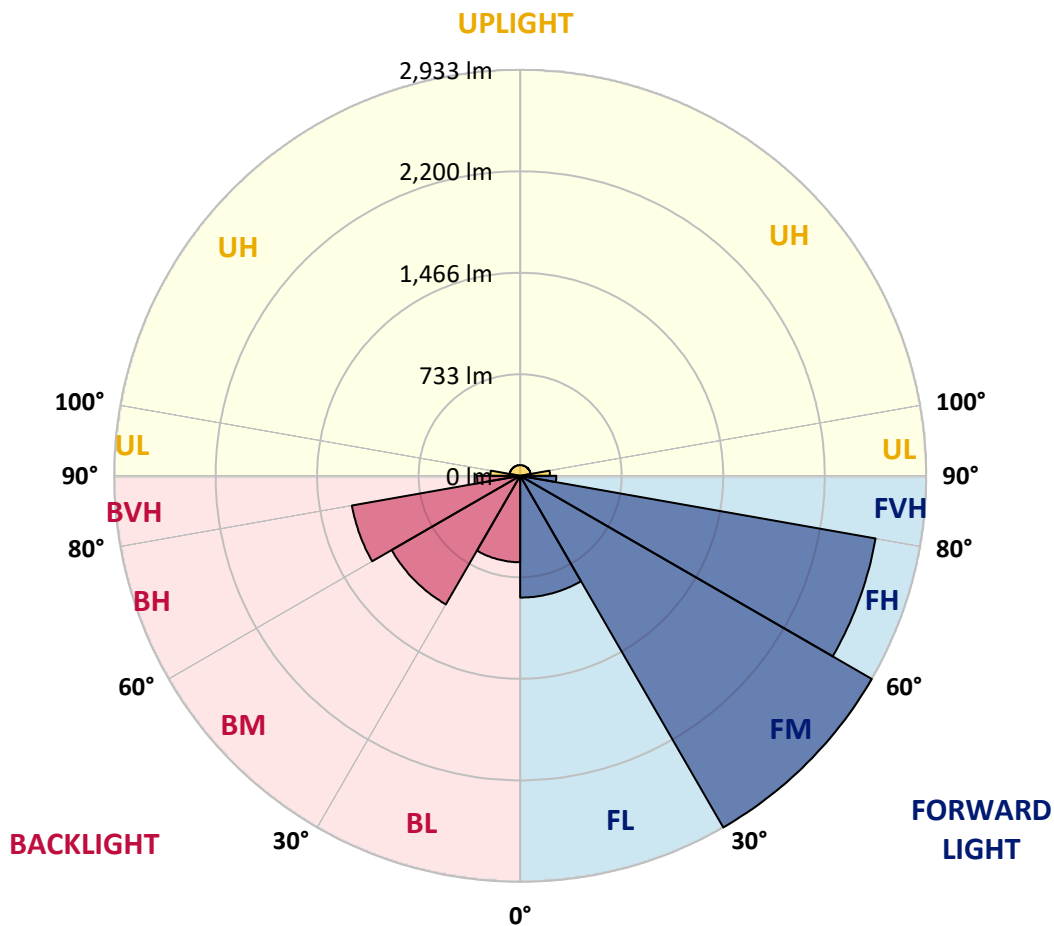
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.5	8.6			
FM (30°-60°)	2932.8	28.7			
FH (60°-80°)	2607.0	25.5			G2/5000
FVH (80°-90°)	261.3	2.6			G3/500
BL (0°-30°)	624.3	6.1	B2/1000		
BM (30°-60°)	1072.5	10.5	B2/2500		
BH (60°-80°)	1234.1	12.1	B3/2500		G3/2500
BVH (80°-90°)	311.8	3.1			G3/500
UL (90°-100°)	215.2	2.1		U3/500	
UH (100°-180°)	77.4	0.8		U3/500	

**BUG Rating: B3-U3-G3**

Type III Short





REPORT NUMBER: P691800

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0
2.5°	1637.5	1637.5	1637.5	1640.9	1651.0	1657.8	1661.2	1657.8	1661.2	1668.0	1674.7
5°	1684.9	1681.5	1678.1	1671.3	1668.0	1668.0	1671.3	1671.3	1678.1	1701.8	1715.3
7.5°	1728.9	1722.1	1718.7	1718.7	1715.3	1698.4	1695.0	1684.9	1681.5	1711.9	1732.2
10°	1810.1	1803.3	1783.0	1759.3	1752.5	1732.2	1701.8	1695.0	1698.4	1732.2	1739.0
12.5°	1884.5	1881.1	1867.6	1843.9	1810.1	1789.8	1745.8	1725.5	1728.9	1749.2	1735.6
15°	2009.7	1996.1	1955.5	1935.2	1901.4	1864.2	1806.7	1783.0	1789.8	1772.8	1766.1
17.5°	2084.1	2074.0	2074.0	2036.7	2013.1	1948.8	1894.6	1850.7	1867.6	1823.6	1786.4
20°	2151.8	2151.8	2155.2	2161.9	2117.9	2067.2	1992.8	1938.6	1942.0	1877.7	1823.6
22.5°	2256.7	2246.5	2256.7	2266.8	2236.4	2192.4	2101.0	2046.9	2023.2	1942.0	1871.0
25°	2364.9	2358.2	2358.2	2385.2	2395.4	2327.7	2243.1	2185.6	2151.8	2033.4	1938.6
27.5°	2473.2	2476.6	2486.7	2496.9	2513.8	2480.0	2395.4	2351.4	2307.4	2141.6	2046.9
30°	2561.1	2554.4	2598.4	2622.0	2639.0	2652.5	2557.8	2510.4	2463.0	2280.3	2168.7
32.5°	2659.3	2659.3	2699.9	2743.8	2767.5	2794.6	2716.8	2686.3	2635.6	2446.1	2371.7
35°	2740.5	2740.5	2801.4	2875.8	2919.8	2940.1	2899.5	2896.1	2885.9	2672.8	2564.5
37.5°	2466.4	2500.2	2595.0	2743.8	2913.0	3048.3	3058.5	3126.2	3160.0	2929.9	2791.2
40°	2151.8	2161.9	2273.6	2405.5	2564.5	2733.7	2896.1	3095.7	3072.0	2794.6	2672.8
42.5°	1938.6	1965.7	2107.8	2209.3	2314.2	2419.1	2419.1	2412.3	2243.1	2293.9	2246.5
45°	1918.3	1925.1	2043.5	2195.8	2236.4	2090.9	1887.9	1776.2	1789.8	2036.7	2148.4
47.5°	2128.1	2138.2	2260.0	2405.5	2260.0	2002.9	1803.3	1786.4	1776.2	2212.7	2591.6
50°	2239.7	2246.5	2361.5	2436.0	2209.3	2205.9	2209.3	2148.4	2094.3	2902.9	3718.2
52.5°	2307.4	2314.2	2307.4	2402.1	2324.3	2503.6	2442.7	2341.2	2300.6	3363.0	4391.5
55°	2128.1	2172.1	2354.8	2605.1	2611.9	2672.8	2649.1	2557.8	2554.4	3535.5	4895.6
57.5°	2632.2	2618.7	2689.7	2804.7	2825.0	2828.4	2842.0	2760.8	2784.4	3623.5	4882.1
60°	2980.7	2943.5	2869.0	2923.2	2946.8	2984.1	3031.4	2940.1	2967.1	3701.3	4668.9
62.5°	3308.9	3251.3	2963.8	2953.6	2990.8	3065.3	3132.9	3061.9	3085.6	3728.4	4520.1
65°	3261.5	3210.7	2994.2	2875.8	2929.9	3031.4	3126.2	3092.3	3085.6	3670.9	4337.4
67.5°	2811.5	2814.9	2791.2	2791.2	2770.9	2916.4	3068.6	3072.0	3038.2	3525.4	4063.3
70°	2415.7	2402.1	2439.4	2581.4	2601.7	2774.3	2977.3	3011.1	2967.1	3363.0	3799.4
72.5°	2057.0	2046.9	2053.7	2172.1	2341.2	2530.7	2760.8	2842.0	2777.7	3072.0	3478.0
75°	1701.8	1691.6	1688.3	1728.9	1864.2	2101.0	2364.9	2510.4	2456.3	2649.1	3007.7
77.5°	1292.4	1272.1	1272.1	1285.6	1387.1	1600.3	1854.0	2057.0	2030.0	2134.9	2425.8
80°	859.4	862.7	856.0	852.6	920.3	1045.4	1231.5	1475.1	1461.6	1461.6	1610.4
82.5°	544.7	544.7	554.9	521.0	514.3	527.8	571.8	669.9	676.7	740.9	791.7
85°	348.5	351.9	351.9	318.0	307.9	318.0	348.5	378.9	392.5	456.7	514.3
87.5°	253.7	253.7	247.0	240.2	243.6	253.7	277.4	304.5	328.2	378.9	429.7
90°	192.8	192.8	189.5	186.1	192.8	206.4	236.8	267.3	297.7	355.2	402.6
92.5°	159.0	159.0	155.6	155.6	159.0	169.2	196.2	230.1	260.5	307.9	351.9
95°	131.9	135.3	131.9	135.3	138.7	145.5	162.4	189.5	209.8	240.2	270.7
97.5°	104.9	108.3	108.3	108.3	111.6	121.8	131.9	148.9	162.4	175.9	196.2
100°	77.8	81.2	81.2	81.2	84.6	94.7	104.9	111.6	115.0	118.4	128.6
102.5°	57.5	60.9	60.9	60.9	60.9	67.7	71.0	74.4	74.4	74.4	77.8
105°	40.6	40.6	40.6	40.6	40.6	40.6	44.0	44.0	44.0	44.0	44.0
107.5°	30.4	30.4	30.4	30.4	30.4	30.4	33.8	33.8	33.8	33.8	33.8
110°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	30.4	27.1	27.1	30.4



REPORT NUMBER: P691800

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.7	23.7	23.7	23.7	23.7	23.7	27.1	27.1	23.7	23.7	23.7
115°	20.3	20.3	20.3	20.3	20.3	20.3	23.7	23.7	20.3	20.3	20.3
117.5°	16.9	16.9	16.9	16.9	16.9	16.9	20.3	20.3	16.9	20.3	20.3
120°	16.9	20.3	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	20.3
122.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16.9	16.9
125°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
127.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	13.5
130°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0
2.5°	1674.7	1681.5	1695.0	1708.6	1722.1	1735.6	1742.4	1745.8	1749.2	1742.4	1745.8
5°	1715.3	1722.1	1742.4	1762.7	1759.3	1749.2	1735.6	1735.6	1739.0	1739.0	1745.8
7.5°	1735.6	1745.8	1739.0	1742.4	1749.2	1739.0	1725.5	1708.6	1688.3	1688.3	1691.6
10°	1732.2	1722.1	1732.2	1722.1	1698.4	1695.0	1688.3	1664.6	1651.0	1654.4	1654.4
12.5°	1732.2	1728.9	1708.6	1698.4	1678.1	1640.9	1624.0	1630.7	1613.8	1617.2	1610.4
15°	1759.3	1735.6	1708.6	1674.7	1630.7	1610.4	1586.8	1549.5	1546.2	1546.2	1546.2
17.5°	1776.2	1759.3	1698.4	1630.7	1600.3	1549.5	1522.5	1512.3	1485.3	1495.4	1502.2
20°	1816.8	1776.2	1688.3	1617.2	1512.3	1481.9	1437.9	1427.7	1414.2	1373.6	1360.1
22.5°	1850.7	1813.4	1678.1	1552.9	1465.0	1393.9	1326.2	1278.9	1255.2	1238.3	1224.8
25°	1925.1	1867.6	1688.3	1522.5	1387.1	1295.8	1234.9	1150.3	1092.8	1086.0	1092.8
27.5°	2023.2	1931.9	1711.9	1481.9	1326.2	1184.2	1062.4	1004.8	943.9	923.6	927.0
30°	2148.4	2026.6	1708.6	1444.7	1218.0	1055.6	900.0	801.8	754.5	734.2	730.8
32.5°	2327.7	2158.5	1786.4	1397.3	1119.9	876.3	707.1	585.3	561.6	558.2	554.9
35°	2503.6	2371.7	1823.6	1326.2	977.8	703.7	534.6	460.1	456.7	453.4	450.0
37.5°	2737.1	2581.4	1928.5	1282.3	842.4	531.2	429.7	375.5	365.4	348.5	355.2
40°	2632.2	2503.6	1958.9	1214.6	653.0	392.5	321.4	277.4	270.7	274.0	270.7
42.5°	2216.1	2121.3	1708.6	1045.4	450.0	287.6	240.2	247.0	260.5	270.7	270.7
45°	2148.4	1962.3	1231.5	740.9	291.0	240.2	233.4	243.6	267.3	291.0	294.3
47.5°	2595.0	2358.2	1079.3	571.8	334.9	274.0	250.4	250.4	263.9	267.3	263.9
50°	3677.6	3319.0	1262.0	656.4	416.1	331.6	287.6	270.7	277.4	284.2	280.8
52.5°	4459.2	4009.2	1437.9	784.9	521.0	395.8	338.3	297.7	291.0	291.0	287.6
55°	4915.9	4405.0	1644.3	967.6	653.0	477.0	392.5	345.1	328.2	314.6	314.6
57.5°	4939.6	4418.6	1860.8	1146.9	815.4	595.5	466.9	402.6	389.1	358.6	351.9
60°	4773.8	4361.1	2026.6	1326.2	971.0	761.2	595.5	500.7	483.8	466.9	456.7
62.5°	4621.6	4266.3	2107.8	1475.1	1136.8	947.3	757.9	625.9	571.8	592.1	605.6
65°	4425.3	4161.4	2053.7	1488.6	1211.2	1059.0	876.3	683.4	592.1	636.1	659.7
67.5°	4124.2	3887.4	1918.3	1366.8	1130.0	991.3	822.1	642.8	571.8	588.7	588.7
70°	3819.7	3566.0	1786.4	1272.1	1018.4	872.9	713.9	575.2	565.0	554.9	554.9
72.5°	3461.1	3160.0	1613.8	1214.6	974.4	849.2	693.6	578.5	605.6	619.1	619.1
75°	3007.7	2672.8	1431.1	1163.9	954.1	866.1	697.0	622.5	669.9	676.7	676.7
77.5°	2463.0	2097.6	1218.0	1072.5	896.6	832.3	649.6	612.4	659.7	669.9	673.3
80°	1695.0	1485.3	1021.8	933.8	801.8	747.7	598.8	595.5	642.8	666.5	669.9
82.5°	859.4	845.8	744.3	734.2	683.4	653.0	554.9	578.5	629.3	663.1	666.5
85°	531.2	551.5	497.3	490.6	507.5	521.0	504.1	551.5	588.7	625.9	632.7
87.5°	443.2	466.9	416.1	395.8	402.6	426.3	446.6	497.3	531.2	561.6	565.0
90°	416.1	436.4	355.2	338.3	351.9	368.8	382.3	409.4	436.4	453.4	453.4
92.5°	365.4	372.2	294.3	280.8	301.1	311.3	307.9	314.6	314.6	280.8	280.8
95°	280.8	280.8	223.3	223.3	240.2	243.6	219.9	199.6	186.1	111.6	94.7
97.5°	203.0	199.6	162.4	162.4	175.9	172.5	145.5	121.8	101.5	64.3	67.7
100°	135.3	131.9	108.3	115.0	121.8	108.3	91.3	74.4	60.9	40.6	47.4
102.5°	81.2	77.8	71.0	74.4	71.0	67.7	54.1	44.0	37.2	23.7	27.1
105°	47.4	44.0	44.0	44.0	44.0	40.6	37.2	27.1	20.3	13.5	13.5
107.5°	33.8	33.8	33.8	30.4	30.4	27.1	23.7	20.3	13.5	10.1	6.8
110°	30.4	27.1	27.1	27.1	23.7	23.7	20.3	16.9	10.1	6.8	6.8



REPORT NUMBER: P691800  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.7	23.7	23.7	20.3	20.3	16.9	13.5	13.5	10.1	3.4	3.4
115°	20.3	20.3	16.9	16.9	13.5	13.5	10.1	10.1	6.8	3.4	3.4
117.5°	20.3	20.3	13.5	13.5	10.1	10.1	10.1	6.8	3.4	3.4	3.4
120°	20.3	16.9	13.5	10.1	10.1	10.1	6.8	6.8	3.4	0.0	3.4
122.5°	16.9	16.9	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0
125°	13.5	13.5	10.1	6.8	6.8	6.8	6.8	3.4	3.4	0.0	0.0
127.5°	13.5	13.5	10.1	6.8	6.8	6.8	6.8	3.4	3.4	0.0	0.0
130°	10.1	10.1	6.8	6.8	6.8	6.8	3.4	3.4	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)