

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: P691984

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691984  
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-C01HO-D-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: 11685 lumens  
Efficiency: N/A  
Efficacy: 147.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B3 - U3 - G3

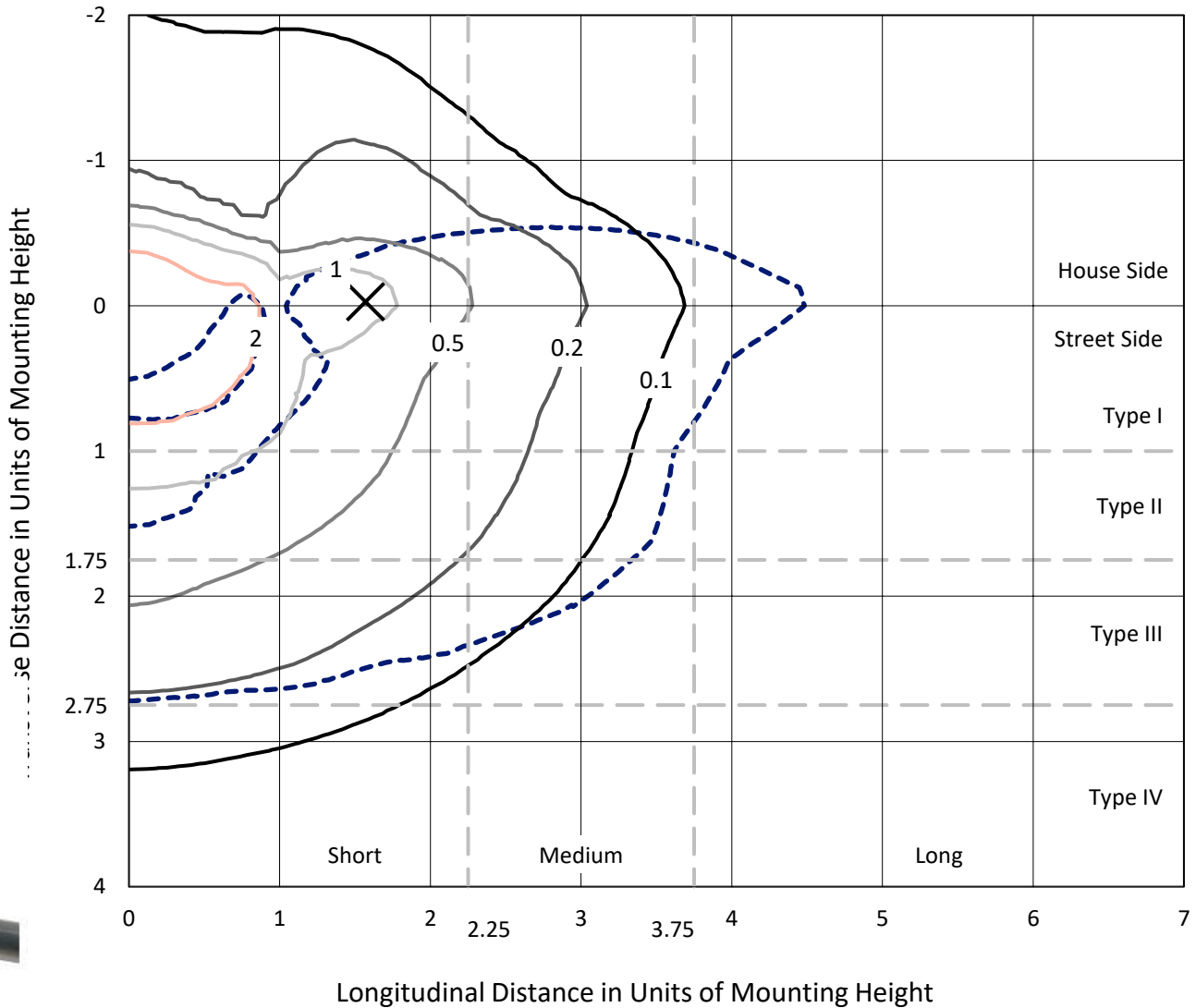
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

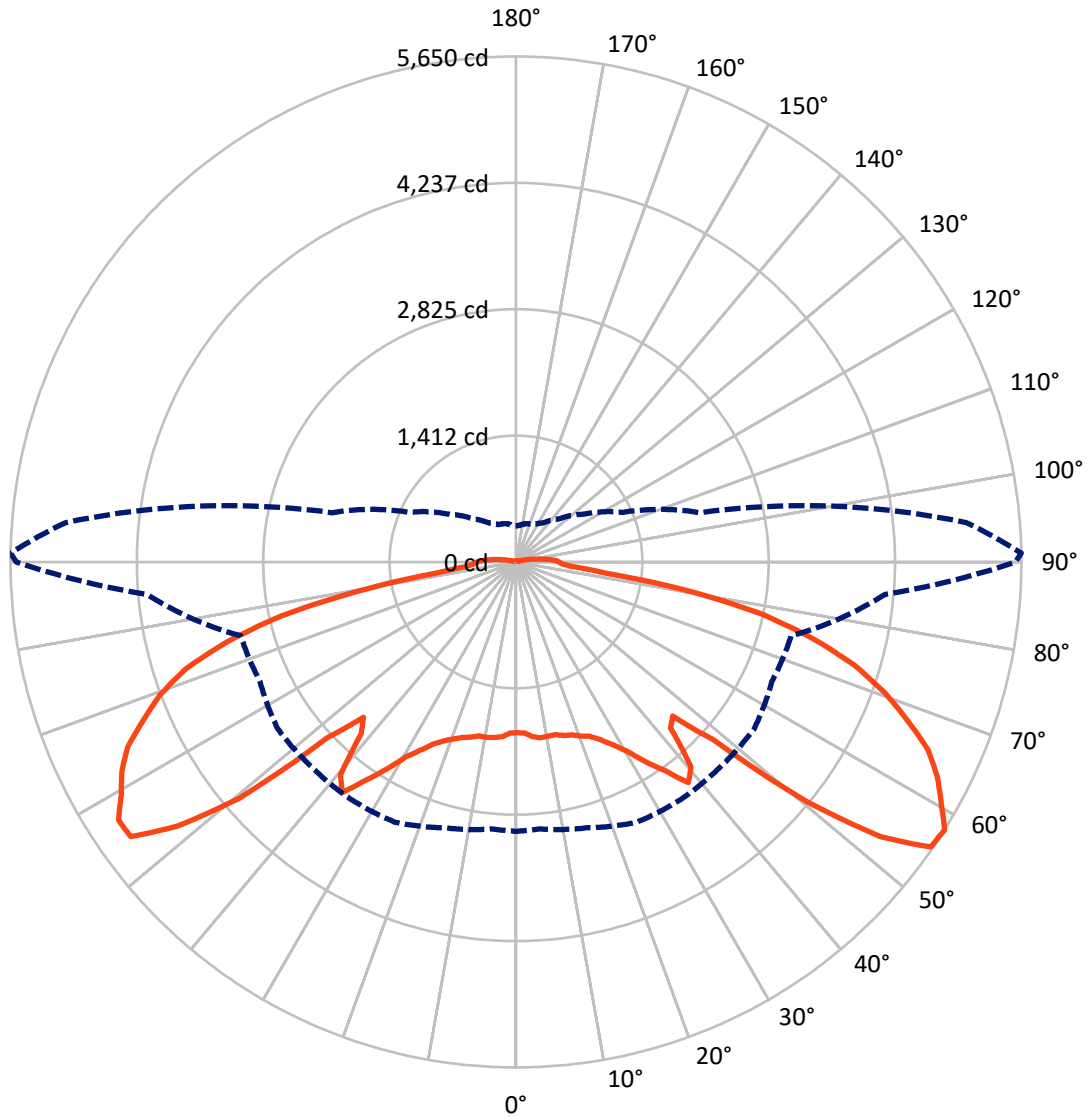
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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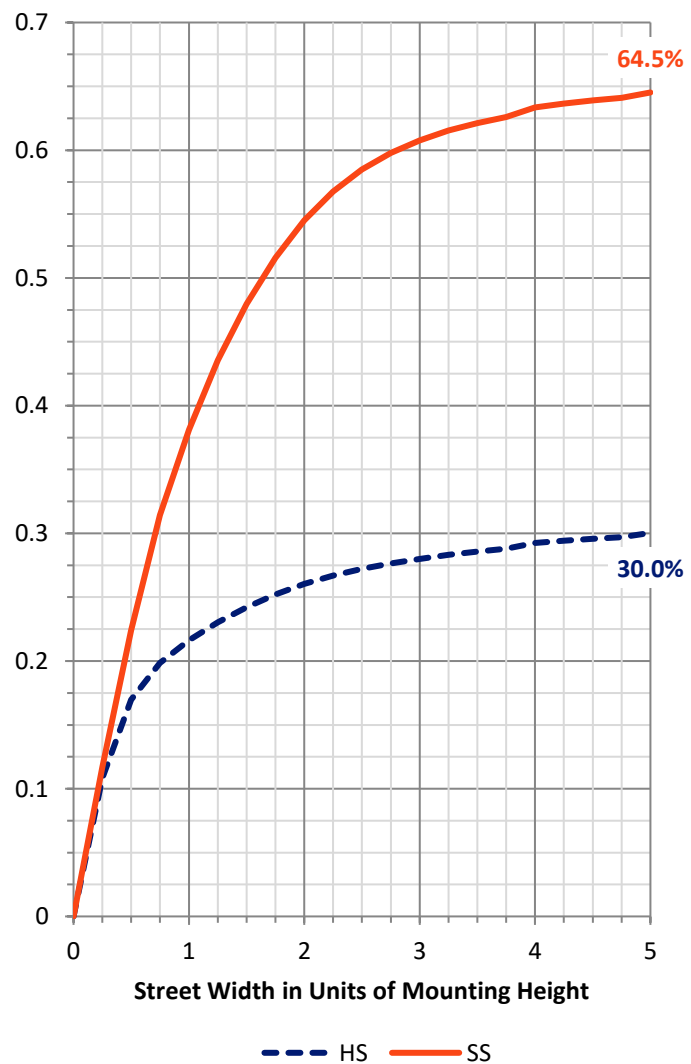
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3709.0	180.3	3889.4
	% Fixture	31.7	1.5	33.3
<b>Street Side</b>	Lumens	7641.3	154.3	7795.6
	% Fixture	65.4	1.3	66.7
<b>Total</b>	Lumens	11350.3	334.7	11685.0
	% Fixture	97.1	2.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.6	1.6
10°-20°	567.9	4.9
20°-30°	965.5	8.3
30°-40°	1358.6	11.6
40°-50°	1290.1	11.0
50°-60°	1932.6	16.5
60°-70°	2500.8	21.4
70°-80°	1892.6	16.2
80°-90°	655.6	5.6
90°-100°	246.2	2.1
100°-110°	57.7	0.5
110°-120°	19.8	0.2
120°-130°	10.1	0.1
130°-140°	0.9	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°	11350.3	97.1
0°-180°	11685.0	100.0



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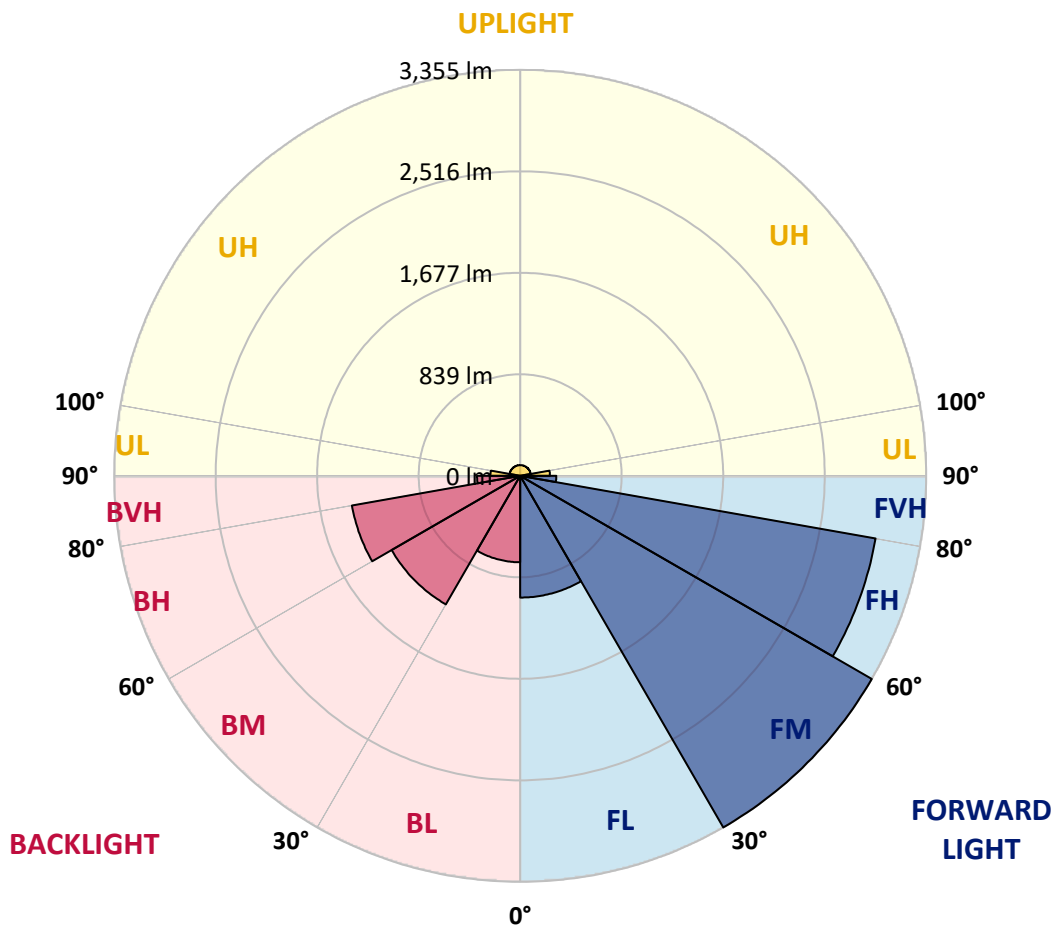
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-SR-CARETAKER

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.0	8.6			
FM (30°-60°)	3354.5	28.7			
FH (60°-80°)	2981.8	25.5			G2/5000
FVH (80°-90°)	298.9	2.6			G3/500
BL (0°-30°)	714.0	6.1	B2/1000		
BM (30°-60°)	1226.7	10.5	B2/2500		
BH (60°-80°)	1411.6	12.1	B3/2500		G3/2500
BVH (80°-90°)	356.7	3.1			G3/500
UL (90°-100°)	246.2	2.1		U3/500	
UH (100°-180°)	88.5	0.8		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8
2.5°	1873.0	1873.0	1873.0	1876.8	1888.5	1896.2	1900.1	1896.2	1900.1	1907.8	1915.5
5°	1927.2	1923.3	1919.4	1911.7	1907.8	1907.8	1911.7	1911.7	1919.4	1946.5	1962.0
7.5°	1977.5	1969.7	1965.9	1965.9	1962.0	1942.6	1938.8	1927.2	1923.3	1958.1	1981.3
10°	2070.3	2062.6	2039.4	2012.3	2004.5	1981.3	1946.5	1938.8	1942.6	1981.3	1989.1
12.5°	2155.5	2151.6	2136.1	2109.0	2070.3	2047.1	1996.8	1973.6	1977.5	2000.7	1985.2
15°	2298.7	2283.2	2236.7	2213.5	2174.8	2132.3	2066.5	2039.4	2047.1	2027.8	2020.0
17.5°	2383.8	2372.2	2372.2	2329.6	2302.5	2229.0	2167.1	2116.8	2136.1	2085.8	2043.2
20°	2461.2	2461.2	2465.1	2472.8	2422.5	2364.4	2279.3	2217.4	2221.3	2147.7	2085.8
22.5°	2581.1	2569.5	2581.1	2592.8	2557.9	2507.6	2403.1	2341.2	2314.1	2221.3	2140.0
25°	2705.0	2697.2	2697.2	2728.2	2739.8	2662.4	2565.7	2499.9	2461.2	2325.7	2217.4
27.5°	2828.8	2832.7	2844.3	2855.9	2875.3	2836.6	2739.8	2689.5	2639.2	2449.6	2341.2
30°	2929.4	2921.7	2972.0	2999.1	3018.4	3033.9	2925.6	2871.4	2817.2	2608.2	2480.5
32.5°	3041.7	3041.7	3088.1	3138.4	3165.5	3196.4	3107.4	3072.6	3014.6	2797.9	2712.7
35°	3134.5	3134.5	3204.2	3289.3	3339.6	3362.8	3316.4	3312.5	3300.9	3057.1	2933.3
37.5°	2821.1	2859.8	2968.1	3138.4	3331.9	3486.7	3498.3	3575.7	3614.4	3351.2	3192.6
40°	2461.2	2472.8	2600.5	2751.4	2933.3	3126.8	3312.5	3540.9	3513.8	3196.4	3057.1
42.5°	2217.4	2248.3	2410.9	2527.0	2646.9	2766.9	2766.9	2759.2	2565.7	2623.7	2569.5
45°	2194.2	2201.9	2337.4	2511.5	2557.9	2391.5	2159.3	2031.6	2047.1	2329.6	2457.3
47.5°	2434.1	2445.7	2585.0	2751.4	2585.0	2290.9	2062.6	2043.2	2031.6	2530.8	2964.3
50°	2561.8	2569.5	2701.1	2786.2	2527.0	2523.1	2527.0	2457.3	2395.4	3320.3	4252.9
52.5°	2639.2	2646.9	2639.2	2747.5	2658.5	2863.6	2794.0	2677.9	2631.5	3846.6	5023.0
55°	2434.1	2484.4	2693.4	2979.7	2987.5	3057.1	3030.0	2925.6	2921.7	4043.9	5599.6
57.5°	3010.7	2995.2	3076.5	3208.1	3231.3	3235.1	3250.6	3157.7	3184.8	4144.5	5584.1
60°	3409.3	3366.7	3281.6	3343.5	3370.6	3413.2	3467.3	3362.8	3393.8	4233.5	5340.3
62.5°	3784.6	3718.9	3389.9	3378.3	3420.9	3506.0	3583.4	3502.2	3529.2	4264.5	5170.0
65°	3730.5	3672.4	3424.8	3289.3	3351.2	3467.3	3575.7	3537.0	3529.2	4198.7	4961.1
67.5°	3215.8	3219.7	3192.6	3192.6	3169.4	3335.8	3509.9	3513.8	3475.1	4032.3	4647.6
70°	2763.0	2747.5	2790.1	2952.6	2975.9	3173.2	3405.4	3444.1	3393.8	3846.6	4345.8
72.5°	2352.8	2341.2	2349.0	2484.4	2677.9	2894.6	3157.7	3250.6	3177.1	3513.8	3978.1
75°	1946.5	1934.9	1931.0	1977.5	2132.3	2403.1	2705.0	2871.4	2809.5	3030.0	3440.2
77.5°	1478.3	1455.0	1455.0	1470.5	1586.6	1830.4	2120.6	2352.8	2321.9	2441.8	2774.6
80°	982.9	986.8	979.1	975.2	1052.6	1195.8	1408.6	1687.2	1671.7	1671.7	1842.0
82.5°	623.0	623.0	634.6	595.9	588.2	603.7	654.0	766.2	774.0	847.5	905.5
85°	398.6	402.5	402.5	363.8	352.2	363.8	398.6	433.4	448.9	522.4	588.2
87.5°	290.2	290.2	282.5	274.8	278.6	290.2	317.3	348.3	375.4	433.4	491.5
90°	220.6	220.6	216.7	212.8	220.6	236.1	270.9	305.7	340.5	406.3	460.5
92.5°	181.9	181.9	178.0	178.0	181.9	193.5	224.4	263.1	298.0	352.2	402.5
95°	150.9	154.8	150.9	154.8	158.7	166.4	185.7	216.7	239.9	274.8	309.6
97.5°	120.0	123.8	123.8	123.8	127.7	139.3	150.9	170.3	185.7	201.2	224.4
100°	89.0	92.9	92.9	92.9	96.7	108.4	120.0	127.7	131.6	135.4	147.1
102.5°	65.8	69.7	69.7	69.7	69.7	77.4	81.3	85.1	85.1	85.1	89.0
105°	46.4	46.4	46.4	46.4	46.4	46.4	50.3	50.3	50.3	50.3	50.3
107.5°	34.8	34.8	34.8	34.8	34.8	34.8	38.7	38.7	38.7	38.7	38.7
110°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	34.8	31.0	31.0	34.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	27.1	27.1	27.1	27.1	27.1	27.1	31.0	31.0	27.1	27.1	27.1
115°	23.2	23.2	23.2	23.2	23.2	23.2	27.1	27.1	23.2	23.2	23.2
117.5°	19.3	19.3	19.3	19.3	19.3	19.3	23.2	23.2	19.3	23.2	23.2
120°	19.3	23.2	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	23.2
122.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	19.3	19.3
125°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
127.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5	15.5
130°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
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°	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8
2.5°	1915.5	1923.3	1938.8	1954.2	1969.7	1985.2	1992.9	1996.8	2000.7	1992.9	1996.8
5°	1962.0	1969.7	1992.9	2016.2	2012.3	2000.7	1985.2	1985.2	1989.1	1989.1	1996.8
7.5°	1985.2	1996.8	1989.1	1992.9	2000.7	1989.1	1973.6	1954.2	1931.0	1931.0	1934.9
10°	1981.3	1969.7	1981.3	1969.7	1942.6	1938.8	1931.0	1903.9	1888.5	1892.3	1892.3
12.5°	1981.3	1977.5	1954.2	1942.6	1919.4	1876.8	1857.5	1865.2	1845.9	1849.8	1842.0
15°	2012.3	1985.2	1954.2	1915.5	1865.2	1842.0	1814.9	1772.4	1768.5	1768.5	1768.5
17.5°	2031.6	2012.3	1942.6	1865.2	1830.4	1772.4	1741.4	1729.8	1698.8	1710.4	1718.2
20°	2078.1	2031.6	1931.0	1849.8	1729.8	1695.0	1644.7	1633.0	1617.6	1571.1	1555.7
22.5°	2116.8	2074.2	1919.4	1776.2	1675.6	1594.4	1517.0	1462.8	1435.7	1416.3	1400.9
25°	2201.9	2136.1	1931.0	1741.4	1586.6	1482.1	1412.5	1315.7	1249.9	1242.2	1249.9
27.5°	2314.1	2209.6	1958.1	1695.0	1517.0	1354.4	1215.1	1149.3	1079.7	1056.5	1060.3
30°	2457.3	2318.0	1954.2	1652.4	1393.1	1207.4	1029.4	917.1	863.0	839.7	835.9
32.5°	2662.4	2468.9	2043.2	1598.2	1280.9	1002.3	808.8	669.5	642.4	638.5	634.6
35°	2863.6	2712.7	2085.8	1517.0	1118.4	804.9	611.4	526.3	522.4	518.6	514.7
37.5°	3130.7	2952.6	2205.8	1466.6	963.6	607.6	491.5	429.5	417.9	398.6	406.3
40°	3010.7	2863.6	2240.6	1389.3	746.9	448.9	367.6	317.3	309.6	313.5	309.6
42.5°	2534.7	2426.4	1954.2	1195.8	514.7	328.9	274.8	282.5	298.0	309.6	309.6
45°	2457.3	2244.5	1408.6	847.5	332.8	274.8	267.0	278.6	305.7	332.8	336.7
47.5°	2968.1	2697.2	1234.5	654.0	383.1	313.5	286.4	286.4	301.8	305.7	301.8
50°	4206.5	3796.3	1443.4	750.7	476.0	379.2	328.9	309.6	317.3	325.1	321.2
52.5°	5100.4	4585.7	1644.7	897.8	595.9	452.8	387.0	340.5	332.8	332.8	328.9
55°	5622.8	5038.5	1880.7	1106.8	746.9	545.6	448.9	394.7	375.4	359.9	359.9
57.5°	5649.9	5053.9	2128.4	1311.9	932.6	681.1	534.0	460.5	445.0	410.2	402.5
60°	5460.3	4988.2	2318.0	1517.0	1110.6	870.7	681.1	572.7	553.4	534.0	522.4
62.5°	5286.1	4879.8	2410.9	1687.2	1300.2	1083.5	866.8	715.9	654.0	677.2	692.7
65°	5061.7	4759.8	2349.0	1702.7	1385.4	1211.2	1002.3	781.7	677.2	727.5	754.6
67.5°	4717.3	4446.4	2194.2	1563.4	1292.5	1133.8	940.4	735.3	654.0	673.3	673.3
70°	4369.0	4078.8	2043.2	1455.0	1164.8	998.4	816.5	657.9	646.3	634.6	634.6
72.5°	3958.8	3614.4	1845.9	1389.3	1114.5	971.3	793.3	661.7	692.7	708.2	708.2
75°	3440.2	3057.1	1636.9	1331.2	1091.3	990.7	797.2	712.0	766.2	774.0	774.0
77.5°	2817.2	2399.3	1393.1	1226.7	1025.5	952.0	743.0	700.4	754.6	766.2	770.1
80°	1938.8	1698.8	1168.7	1068.1	917.1	855.2	685.0	681.1	735.3	762.3	766.2
82.5°	982.9	967.4	851.4	839.7	781.7	746.9	634.6	661.7	719.8	758.5	762.3
85°	607.6	630.8	568.9	561.1	580.5	595.9	576.6	630.8	673.3	715.9	723.6
87.5°	506.9	534.0	476.0	452.8	460.5	487.6	510.8	568.9	607.6	642.4	646.3
90°	476.0	499.2	406.3	387.0	402.5	421.8	437.3	468.2	499.2	518.6	518.6
92.5°	417.9	425.7	336.7	321.2	344.4	356.0	352.2	359.9	359.9	321.2	321.2
95°	321.2	321.2	255.4	255.4	274.8	278.6	251.5	228.3	212.8	127.7	108.4
97.5°	232.2	228.3	185.7	185.7	201.2	197.4	166.4	139.3	116.1	73.5	77.4
100°	154.8	150.9	123.8	131.6	139.3	123.8	104.5	85.1	69.7	46.4	54.2
102.5°	92.9	89.0	81.3	85.1	81.3	77.4	61.9	50.3	42.6	27.1	31.0
105°	54.2	50.3	50.3	50.3	50.3	46.4	42.6	31.0	23.2	15.5	15.5
107.5°	38.7	38.7	38.7	34.8	34.8	31.0	27.1	23.2	15.5	11.6	7.7
110°	34.8	31.0	31.0	31.0	27.1	27.1	23.2	19.3	11.6	7.7	7.7



REPORT NUMBER: P691984  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-SR-CARETAKER

**CANDELA DISTRIBUTION (continued):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.1	27.1	27.1	23.2	23.2	19.3	15.5	15.5	11.6	3.9	3.9
115°	23.2	23.2	19.3	19.3	15.5	15.5	11.6	11.6	7.7	3.9	3.9
117.5°	23.2	23.2	15.5	15.5	11.6	11.6	11.6	7.7	3.9	3.9	3.9
120°	23.2	19.3	15.5	11.6	11.6	11.6	7.7	7.7	3.9	0.0	3.9
122.5°	19.3	19.3	11.6	11.6	7.7	7.7	7.7	3.9	3.9	0.0	0.0
125°	15.5	15.5	11.6	7.7	7.7	7.7	7.7	3.9	3.9	0.0	0.0
127.5°	15.5	15.5	11.6	7.7	7.7	7.7	7.7	3.9	3.9	0.0	0.0
130°	11.6	11.6	7.7	7.7	7.7	7.7	3.9	3.9	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)