

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: P691967

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9738 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - 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



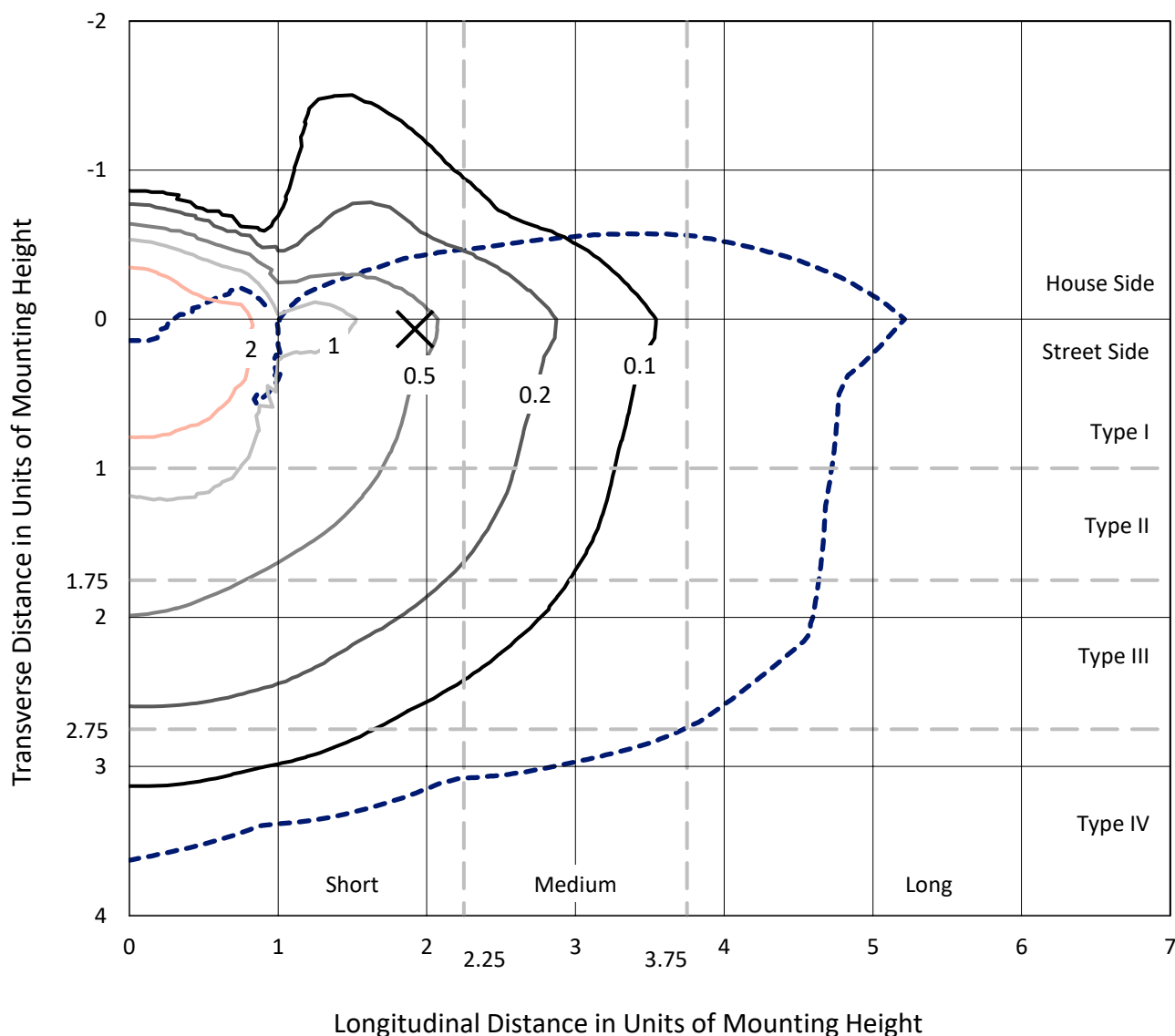
REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



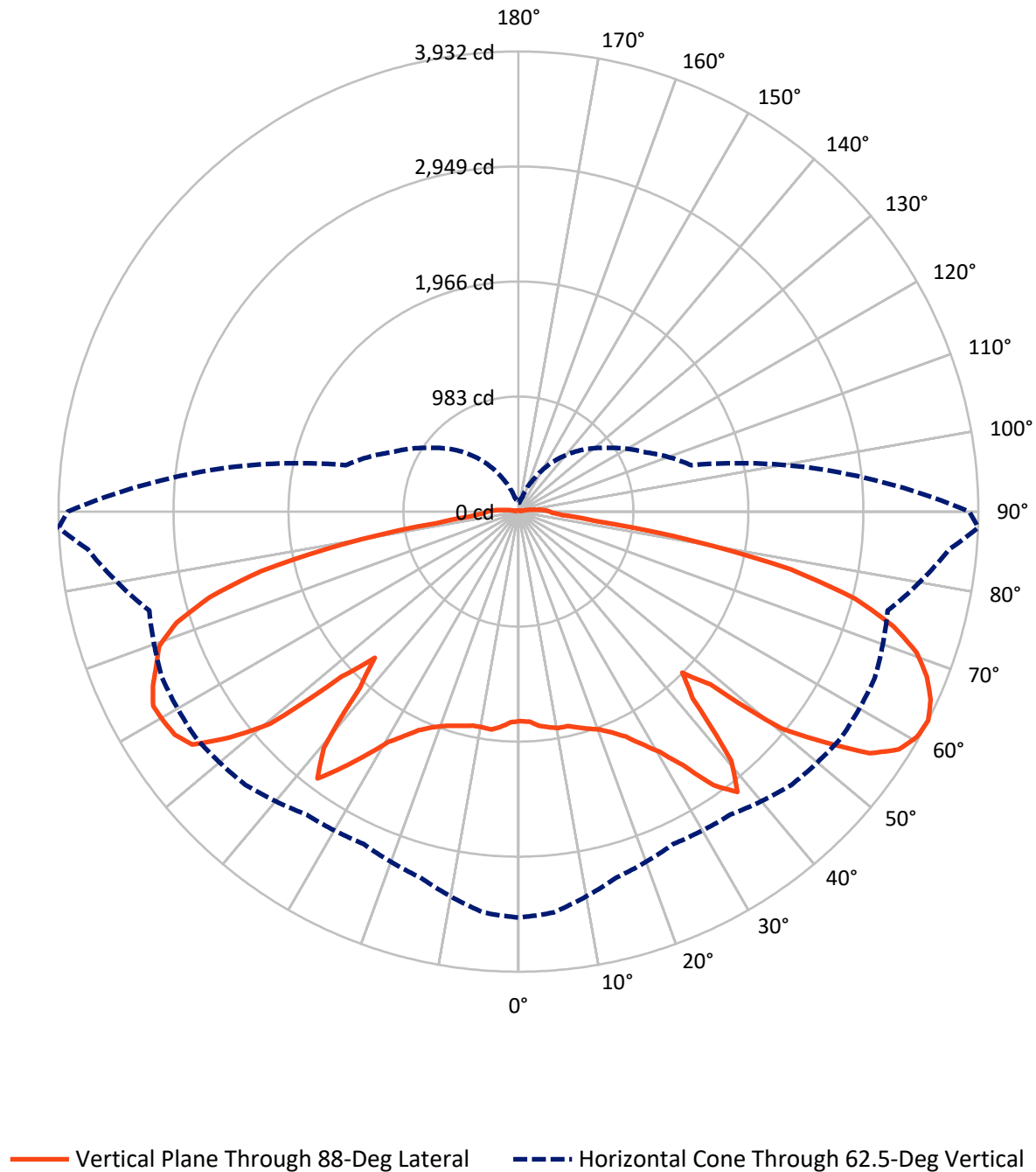
Based on 25 foot mounting height. Maximum calculated value = 3.1 fc

Type IV - Short - N/A

REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

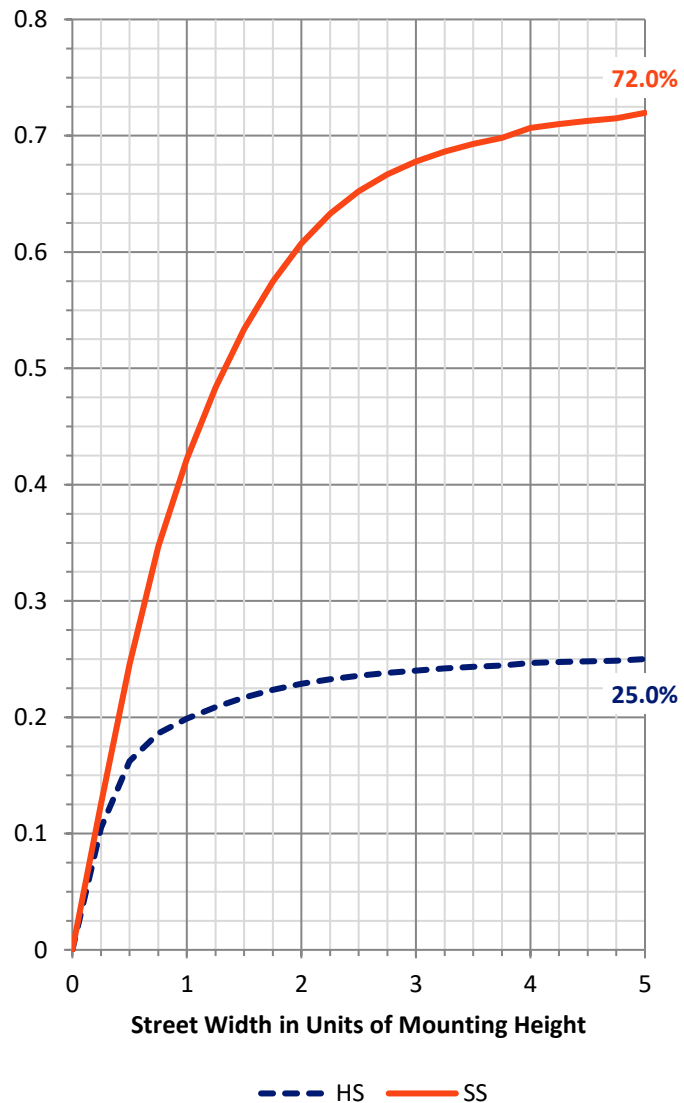
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2477.4	46.7	2524.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	7098.8	115.1	7213.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	9576.2	161.8	9738.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	1.8
10°-20°	538.8	5.5
20°-30°	912.7	9.4
30°-40°	1259.9	12.9
40°-50°	1089.6	11.2
50°-60°	1577.5	16.2
60°-70°	2065.0	21.2
70°-80°	1565.6	16.1
80°-90°	390.6	4.0
90°-100°	114.9	1.2
100°-110°	26.7	0.3
110°-120°	11.9	0.1
120°-130°	7.7	0.1
130°-140°	0.7	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°	9576.2	98.3
0°-180°	9738.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691967

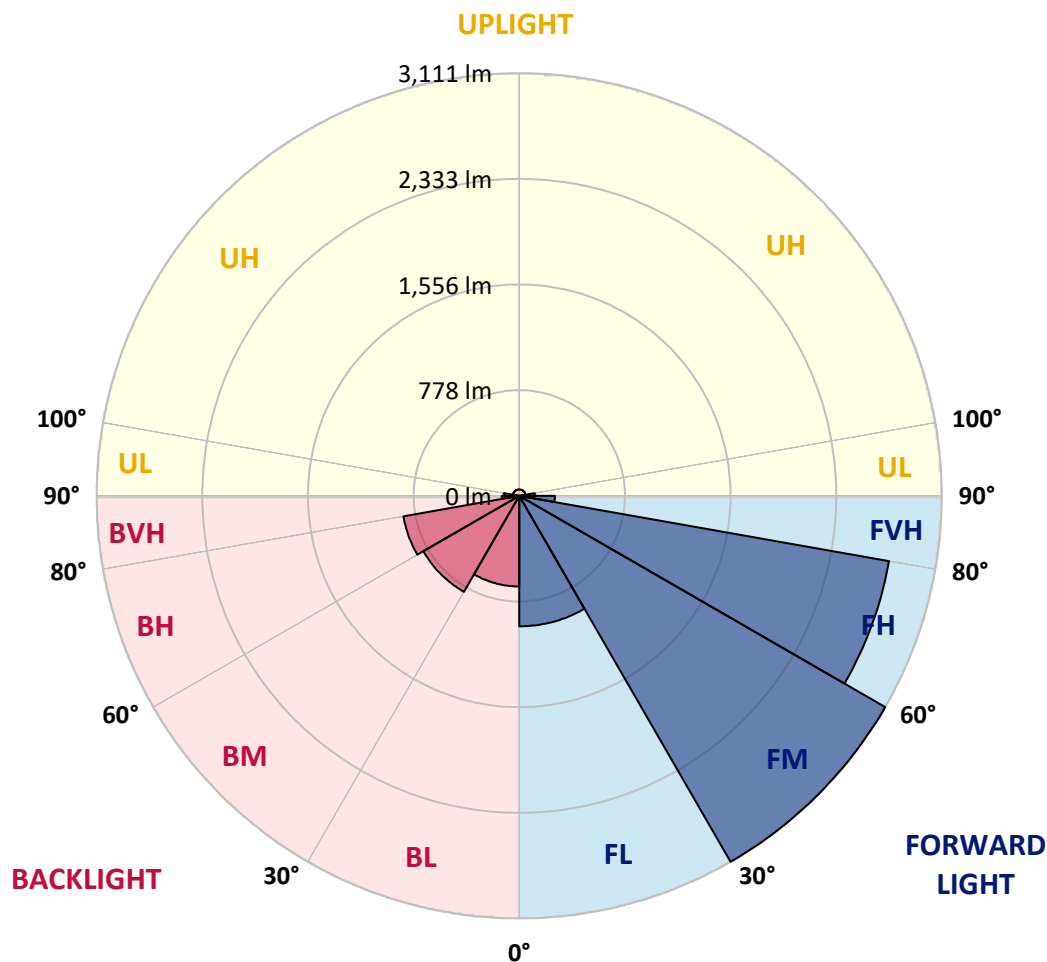
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	960.7	9.9			
FM	(30°-60°)	3111.3	31.9			
FH	(60°-80°)	2764.4	28.4			G2/5000
FVH	(80°-90°)	262.4	2.7			G3/500
BL	(0°-30°)	667.3	6.9	B2/1000		
BM	(30°-60°)	815.7	8.4	B1/1000		
BH	(60°-80°)	866.2	8.9	B2/1000		G2/1000
BVH	(80°-90°)	128.2	1.3			G2/225
UL	(90°-100°)	114.9	1.2		U3/500	
UH	(100°-180°)	47.0	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8
2.5°	1772.1	1772.1	1768.4	1772.1	1779.6	1787.1	1779.6	1783.3	1787.1	1794.5	1798.2
5°	1839.3	1835.6	1828.1	1820.6	1813.2	1813.2	1805.7	1802.0	1809.4	1831.8	1839.3
7.5°	1895.2	1884.1	1876.6	1880.3	1869.1	1850.5	1835.6	1828.1	1820.6	1850.5	1861.7
10°	1984.8	1977.3	1951.2	1928.8	1913.9	1884.1	1850.5	1846.7	1843.0	1872.9	1880.3
12.5°	2074.3	2066.9	2051.9	2029.6	1981.1	1954.9	1902.7	1880.3	1876.6	1895.2	1880.3
15°	2204.9	2190.0	2148.9	2126.6	2078.1	2037.0	1973.6	1940.0	1947.5	1921.4	1913.9
17.5°	2279.5	2272.1	2268.3	2234.7	2197.4	2126.6	2066.9	2018.4	2033.3	1973.6	1951.2
20°	2361.6	2357.9	2365.3	2369.1	2320.6	2257.1	2182.5	2107.9	2111.6	2033.3	1988.5
22.5°	2466.1	2454.9	2469.8	2488.4	2447.4	2395.2	2298.2	2238.5	2208.6	2104.2	2051.9
25°	2589.2	2585.4	2585.4	2619.0	2611.6	2540.7	2447.4	2380.2	2350.4	2208.6	2130.3
27.5°	2716.0	2719.7	2727.2	2749.6	2760.8	2719.7	2630.2	2570.5	2514.6	2328.0	2249.7
30°	2798.1	2798.1	2850.3	2883.9	2898.8	2898.8	2790.6	2745.9	2689.9	2481.0	2384.0
32.5°	2898.8	2906.3	2954.8	3010.8	3033.1	3063.0	2973.4	2939.9	2891.4	2671.2	2581.7
35°	2969.7	2980.9	3055.5	3141.3	3201.0	3215.9	3163.7	3178.6	3156.3	2921.2	2872.7
37.5°	2660.1	2689.9	2801.8	2969.7	3130.1	3286.8	3342.8	3417.4	3428.6	3156.3	3040.6
40°	2316.8	2328.0	2454.9	2578.0	2775.7	2902.6	3044.3	3208.5	3118.9	2824.2	2801.8
42.5°	2055.7	2104.2	2279.5	2372.8	2525.7	2555.6	2484.7	2380.2	2219.8	2193.7	2182.5
45°	2010.9	2059.4	2234.7	2387.7	2462.3	2096.7	1899.0	1760.9	1824.4	1981.1	1962.4
47.5°	2219.8	2279.5	2462.3	2637.7	2484.7	2078.1	1947.5	1943.7	1891.5	2160.1	2208.6
50°	2346.7	2395.2	2607.8	2604.1	2481.0	2283.2	2354.1	2275.8	2182.5	2641.4	2913.8
52.5°	2410.1	2454.9	2529.5	2622.7	2633.9	2619.0	2637.7	2574.2	2432.5	3066.7	3271.9
55°	2234.7	2346.7	2671.2	2831.7	2898.8	2857.8	2869.0	2824.2	2730.9	3331.6	3645.0
57.5°	2798.1	2857.8	2977.2	3018.2	3059.3	3040.6	3055.5	3040.6	2954.8	3529.3	3835.3
60°	3122.7	3122.7	3174.9	3107.8	3130.1	3193.6	3238.3	3238.3	3148.8	3674.8	3913.6
62.5°	3469.6	3439.8	3238.3	3133.9	3160.0	3301.8	3368.9	3361.4	3268.2	3697.2	3932.3
65°	3402.5	3350.3	3279.4	3051.8	3081.6	3279.4	3372.6	3368.9	3271.9	3615.1	3872.6
67.5°	2902.6	2951.1	3036.9	3018.2	2943.6	3171.2	3316.7	3324.1	3212.2	3477.1	3764.4
70°	2514.6	2544.4	2596.6	2753.3	2786.9	3021.9	3253.3	3286.8	3137.6	3316.7	3611.4
72.5°	2190.0	2208.6	2167.6	2328.0	2447.4	2757.1	3029.4	3092.8	2939.9	3040.6	3354.0
75°	1872.9	1831.8	1783.3	1854.2	1947.5	2275.8	2607.8	2734.7	2600.4	2663.8	2973.4
77.5°	1455.0	1395.3	1346.8	1365.5	1451.3	1734.8	2055.7	2257.1	2137.7	2134.0	2380.2
80°	992.4	940.2	906.6	899.1	962.5	1137.9	1369.2	1608.0	1503.5	1402.8	1511.0
82.5°	619.3	619.3	589.5	544.7	541.0	574.5	619.3	679.0	641.7	626.8	660.4
85°	388.0	391.7	376.8	328.3	317.1	324.6	347.0	361.9	350.7	361.9	373.1
87.5°	272.3	268.6	250.0	242.5	238.8	250.0	268.6	276.1	276.1	287.3	287.3
90°	205.2	205.2	194.0	190.3	190.3	201.5	220.1	235.0	246.2	264.9	264.9
92.5°	171.6	171.6	164.2	160.4	160.4	164.2	179.1	197.7	208.9	227.6	220.1
95°	141.8	141.8	138.0	138.0	138.0	141.8	149.2	160.4	164.2	164.2	164.2
97.5°	111.9	108.2	104.5	104.5	104.5	108.2	111.9	123.1	126.8	115.7	115.7
100°	78.3	74.6	70.9	74.6	74.6	74.6	78.3	82.1	82.1	74.6	70.9
102.5°	48.5	48.5	48.5	48.5	44.8	44.8	44.8	44.8	41.0	37.3	37.3
105°	33.6	33.6	29.8	29.8	29.8	29.8	26.1	26.1	26.1	22.4	22.4
107.5°	26.1	26.1	26.1	26.1	26.1	22.4	22.4	22.4	22.4	18.7	18.7
110°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	18.7	18.7	14.9	14.9



REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	22.4	22.4	22.4	22.4	22.4	18.7	18.7	18.7	18.7	14.9	14.9
115°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	14.9	14.9
117.5°	18.7	18.7	18.7	18.7	18.7	18.7	14.9	14.9	14.9	18.7	14.9
120°	18.7	18.7	18.7	18.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9
122.5°	18.7	18.7	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
125°	14.9	14.9	14.9	14.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2
127.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
130°	11.2	11.2	11.2	11.2	11.2	11.2	7.5	7.5	7.5	7.5	7.5
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



REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8
2.5°	1798.2	1805.7	1820.6	1839.3	1854.2	1865.4	1872.9	1880.3	1880.3	1872.9	1880.3
5°	1839.3	1846.7	1872.9	1891.5	1891.5	1880.3	1872.9	1869.1	1876.6	1880.3	1887.8
7.5°	1872.9	1880.3	1869.1	1876.6	1884.1	1872.9	1857.9	1846.7	1835.6	1824.4	1831.8
10°	1876.6	1857.9	1857.9	1850.5	1824.4	1828.1	1824.4	1805.7	1790.8	1794.5	1798.2
12.5°	1872.9	1865.4	1835.6	1820.6	1809.4	1772.1	1757.2	1768.4	1746.0	1757.2	1742.3
15°	1906.4	1869.1	1839.3	1802.0	1760.9	1742.3	1716.2	1678.9	1663.9	1667.7	1671.4
17.5°	1928.8	1891.5	1820.6	1753.5	1731.1	1671.4	1641.5	1622.9	1596.8	1600.5	1615.4
20°	1966.1	1910.2	1809.4	1738.5	1630.4	1589.3	1552.0	1529.6	1507.2	1473.7	1458.7
22.5°	2018.4	1947.5	1794.5	1663.9	1570.7	1499.8	1417.7	1361.7	1331.9	1309.5	1305.8
25°	2085.5	2003.4	1798.2	1630.4	1481.1	1376.7	1305.8	1208.8	1137.9	1130.4	1141.6
27.5°	2208.6	2066.9	1820.6	1578.1	1406.5	1246.1	1115.5	1048.4	966.3	947.6	947.6
30°	2328.0	2167.6	1805.7	1533.4	1279.7	1100.6	925.2	798.4	753.6	720.0	716.3
32.5°	2548.1	2309.4	1884.1	1466.2	1164.0	884.2	690.2	552.2	522.3	511.1	507.4
35°	2749.6	2503.4	1891.5	1380.4	992.4	686.5	496.2	402.9	384.3	373.1	369.3
37.5°	2966.0	2689.9	1966.1	1309.5	824.5	485.0	358.2	287.3	264.9	250.0	242.5
40°	2716.0	2466.1	1932.6	1190.1	611.9	309.7	223.8	156.7	134.3	134.3	134.3
42.5°	2126.6	1872.9	1462.5	962.5	358.2	179.1	111.9	108.2	111.9	115.7	115.7
45°	1884.1	1552.0	895.4	511.1	149.2	100.7	89.5	85.8	97.0	108.2	111.9
47.5°	2216.1	1846.7	690.2	358.2	160.4	100.7	82.1	82.1	78.3	70.9	70.9
50°	2995.8	2492.2	790.9	410.4	201.5	111.9	82.1	70.9	70.9	74.6	78.3
52.5°	3380.1	2775.7	932.7	533.5	294.7	153.0	89.5	70.9	63.4	52.2	52.2
55°	3712.1	2999.6	1104.3	690.2	432.8	238.8	126.8	74.6	63.4	52.2	48.5
57.5°	3820.3	3025.7	1287.1	869.3	589.5	373.1	220.1	104.5	67.2	56.0	52.2
60°	3835.3	3055.5	1425.2	1059.5	768.5	544.7	361.9	190.3	85.8	67.2	63.4
62.5°	3853.9	3063.0	1529.6	1197.6	947.6	738.7	522.3	302.2	130.6	78.3	74.6
65°	3786.8	2973.4	1503.5	1167.7	999.9	817.0	600.7	354.4	149.2	89.5	85.8
67.5°	3674.8	2895.1	1395.3	1074.5	902.9	712.6	514.8	287.3	138.0	104.5	100.7
70°	3585.3	2816.7	1339.4	1067.0	835.7	623.0	414.1	208.9	164.2	141.8	134.3
72.5°	3365.2	2630.2	1294.6	1063.3	835.7	608.1	402.9	223.8	223.8	227.6	212.7
75°	2995.8	2350.4	1227.4	1033.4	817.0	604.4	388.0	242.5	242.5	216.4	205.2
77.5°	2473.5	1925.1	1085.7	943.9	742.4	533.5	317.1	201.5	194.0	167.9	160.4
80°	1637.8	1380.4	865.5	779.7	611.9	429.0	235.0	156.7	145.5	123.1	115.7
82.5°	735.0	660.4	548.4	552.2	440.2	305.9	160.4	108.2	100.7	82.1	78.3
85°	402.9	380.5	298.5	261.2	223.8	160.4	93.3	70.9	59.7	44.8	44.8
87.5°	305.9	294.7	220.1	171.6	130.6	93.3	59.7	44.8	33.6	22.4	18.7
90°	279.8	264.9	179.1	138.0	104.5	74.6	48.5	29.8	22.4	14.9	11.2
92.5°	235.0	223.8	145.5	115.7	89.5	67.2	41.0	22.4	14.9	7.5	7.5
95°	171.6	167.9	108.2	89.5	70.9	56.0	33.6	18.7	11.2	7.5	3.7
97.5°	115.7	111.9	78.3	67.2	56.0	41.0	26.1	14.9	7.5	3.7	3.7
100°	70.9	70.9	48.5	44.8	37.3	29.8	18.7	11.2	7.5	3.7	3.7
102.5°	37.3	33.6	26.1	26.1	22.4	18.7	14.9	7.5	3.7	0.0	0.0
105°	22.4	18.7	18.7	14.9	14.9	11.2	11.2	7.5	3.7	0.0	0.0
107.5°	18.7	14.9	14.9	11.2	11.2	7.5	7.5	3.7	3.7	0.0	0.0
110°	14.9	14.9	11.2	11.2	7.5	7.5	7.5	3.7	0.0	0.0	0.0



REPORT NUMBER: P691967

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	11.2	11.2	7.5	7.5	7.5	3.7	3.7	0.0	0.0	0.0
115°	14.9	11.2	7.5	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0
117.5°	14.9	11.2	7.5	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0
120°	14.9	11.2	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0
122.5°	14.9	11.2	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0
125°	11.2	7.5	7.5	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0
127.5°	11.2	7.5	7.5	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0
130°	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7	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)