

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: P691884

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691884
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-D-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9755 lumens
Efficiency: N/A
Efficacy: 139.0 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): 70.2
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



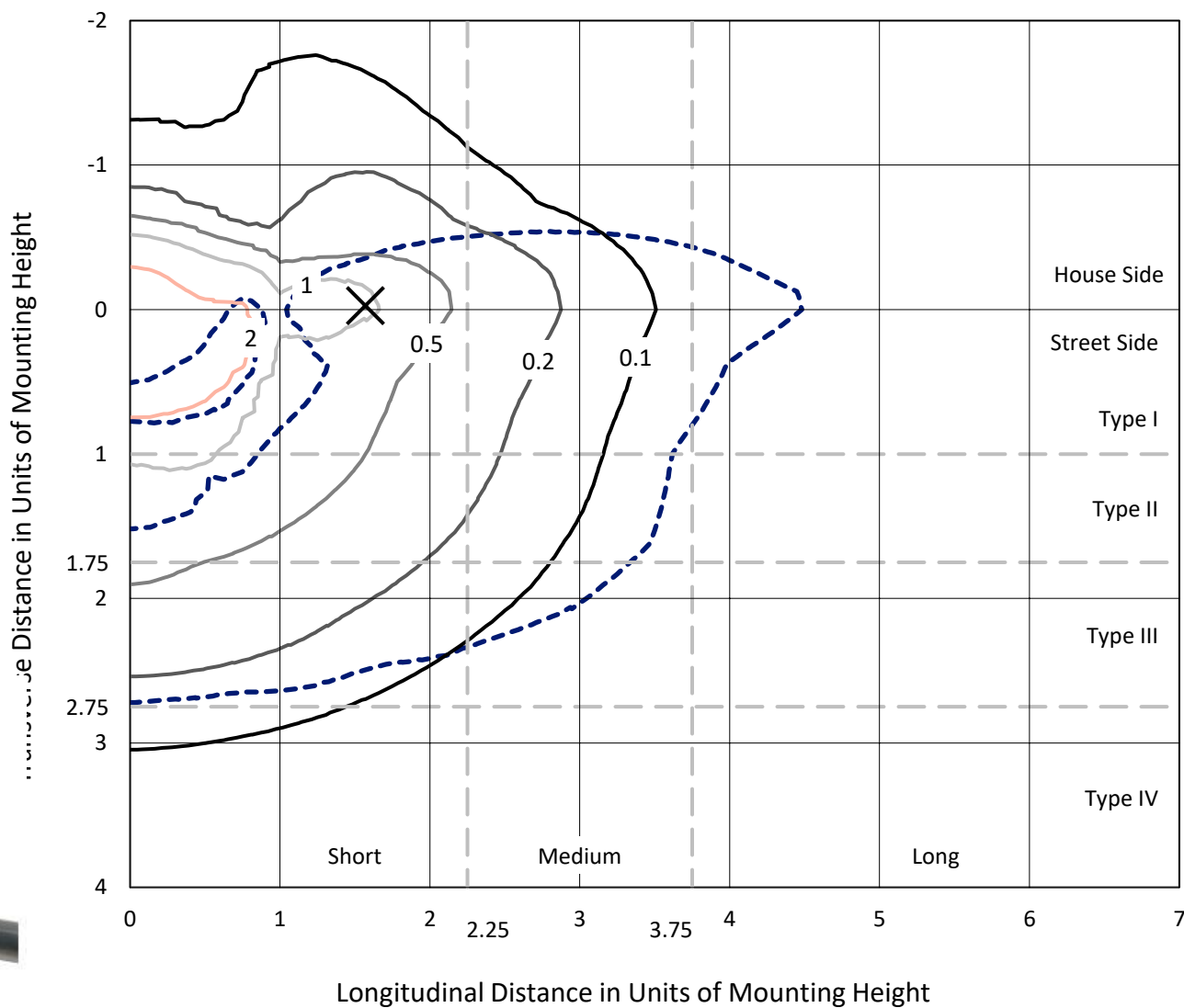
REPORT NUMBER: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

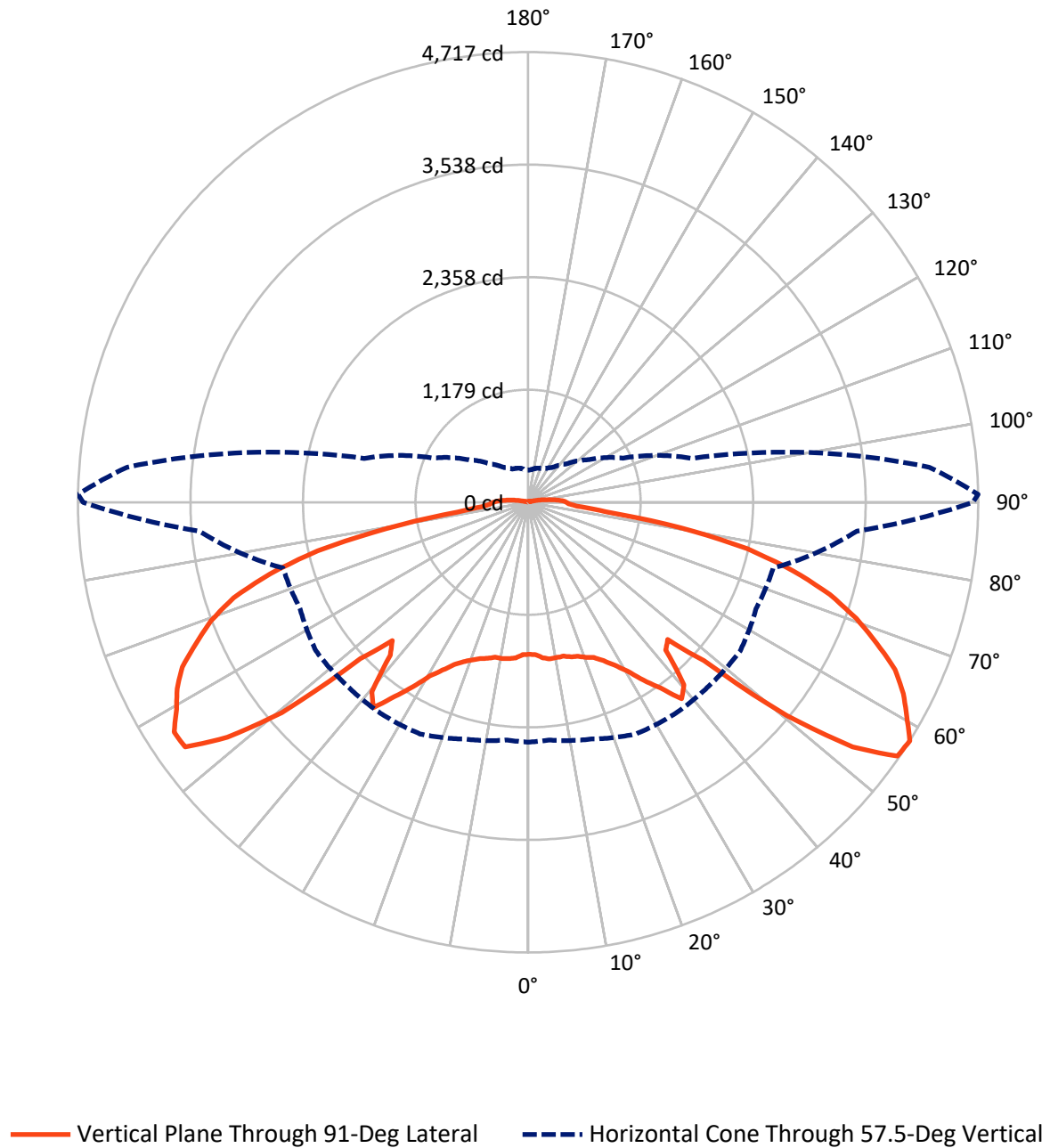


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

REPORT NUMBER: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691884

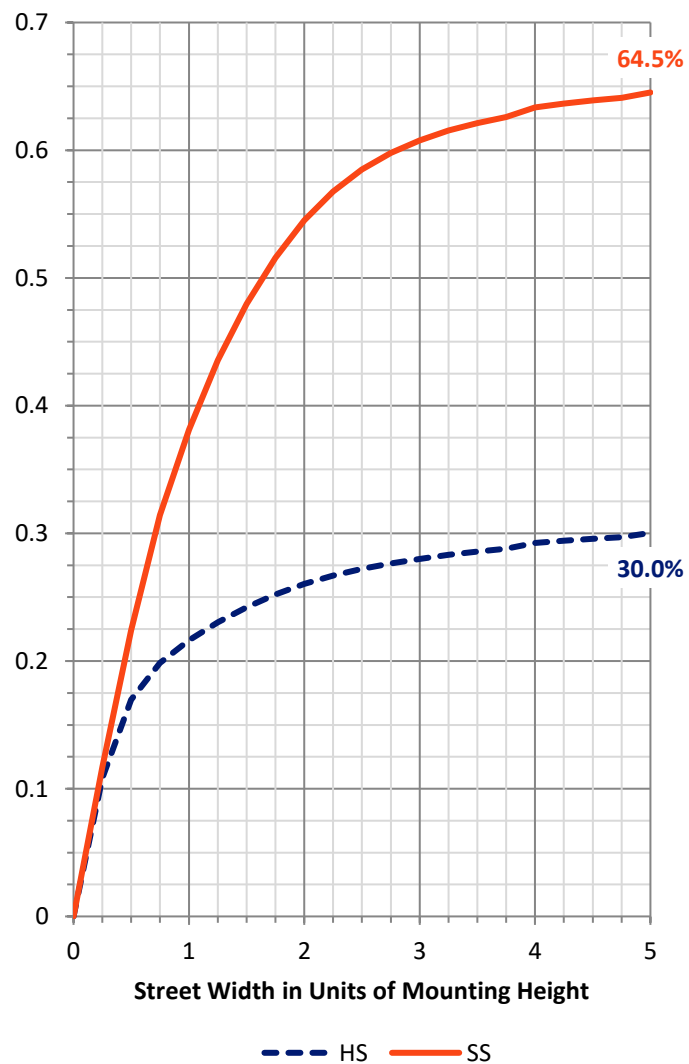
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3096.4	150.6	3247.0
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6379.2	128.8	6508.0
	% Fixture	65.4	1.3	66.7
Total	Lumens	9475.6	279.4	9755.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	1.6
10°-20°	474.1	4.9
20°-30°	806.1	8.3
30°-40°	1134.2	11.6
40°-50°	1077.0	11.0
50°-60°	1613.4	16.5
60°-70°	2087.8	21.4
70°-80°	1580.0	16.2
80°-90°	547.3	5.6
90°-100°	205.5	2.1
100°-110°	48.1	0.5
110°-120°	16.6	0.2
120°-130°	8.4	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°	9475.6	97.1
0°-180°	9755.0	100.0

Coefficient of Utilization

REPORT NUMBER: P691884

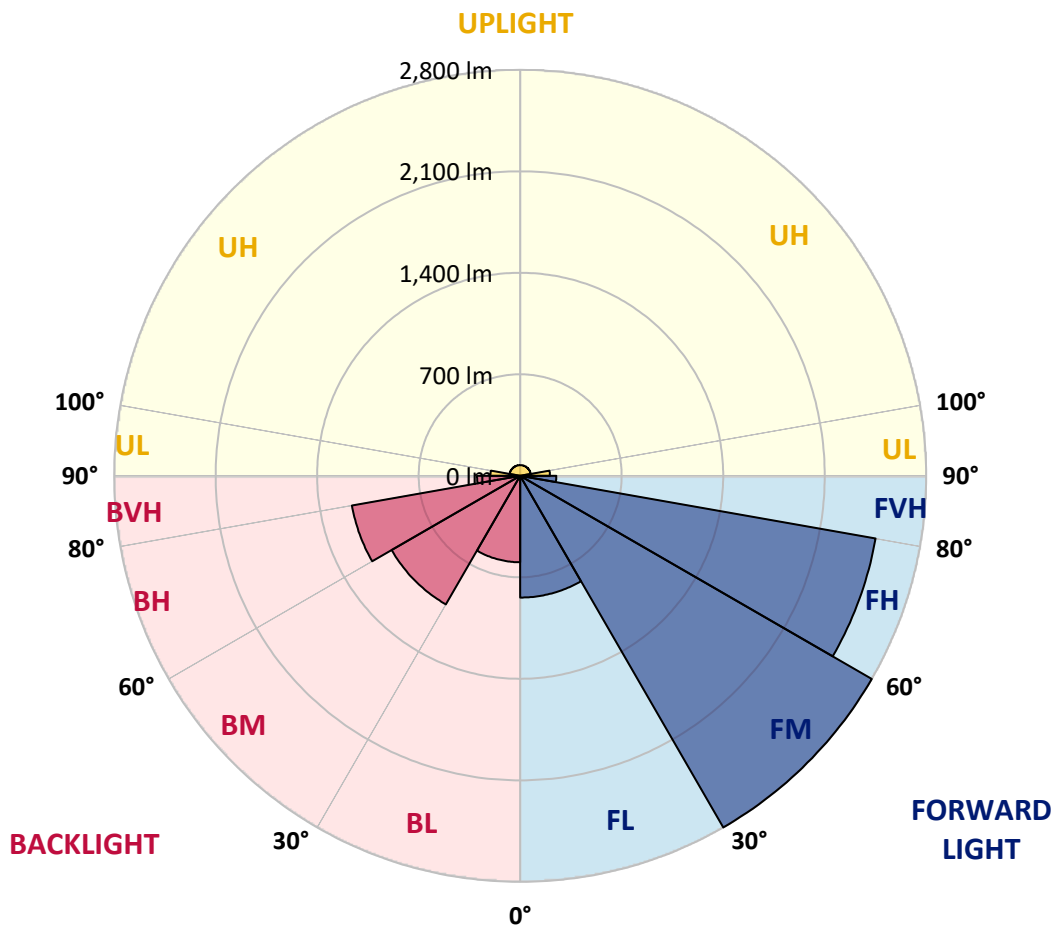
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	839.8	8.6			
FM	(30°-60°)	2800.5	28.7			
FH	(60°-80°)	2489.3	25.5			G2/5000
FVH	(80°-90°)	249.5	2.6			G3/500
BL	(0°-30°)	596.1	6.1	B2/1000		
BM	(30°-60°)	1024.1	10.5	B2/2500		
BH	(60°-80°)	1178.5	12.1	B3/2500		G3/2500
BVH	(80°-90°)	297.8	3.1			G3/500
UL	(90°-100°)	205.5	2.1		U3/500	
UH	(100°-180°)	73.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



REPORT NUMBER: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1563.6	1563.6	1563.6	1566.8	1576.5	1583.0	1586.2	1583.0	1586.2	1592.7	1599.2
5°	1608.8	1605.6	1602.4	1595.9	1592.7	1592.7	1595.9	1595.9	1602.4	1625.0	1637.9
7.5°	1650.8	1644.4	1641.2	1641.2	1637.9	1621.8	1618.5	1608.8	1605.6	1634.7	1654.1
10°	1728.4	1721.9	1702.5	1679.9	1673.5	1654.1	1625.0	1618.5	1621.8	1654.1	1660.5
12.5°	1799.5	1796.2	1783.3	1760.7	1728.4	1709.0	1667.0	1647.6	1650.8	1670.2	1657.3
15°	1919.0	1906.1	1867.3	1847.9	1815.6	1780.1	1725.1	1702.5	1709.0	1692.8	1686.4
17.5°	1990.1	1980.4	1980.4	1944.8	1922.2	1860.8	1809.1	1767.1	1783.3	1741.3	1705.8
20°	2054.7	2054.7	2057.9	2064.4	2022.4	1973.9	1902.8	1851.1	1854.4	1793.0	1741.3
22.5°	2154.8	2145.1	2154.8	2164.5	2135.4	2093.4	2006.2	1954.5	1931.9	1854.4	1786.5
25°	2258.2	2251.7	2251.7	2277.6	2287.3	2222.7	2141.9	2087.0	2054.7	1941.6	1851.1
27.5°	2361.6	2364.8	2374.5	2384.2	2400.3	2368.0	2287.3	2245.3	2203.3	2045.0	1954.5
30°	2445.6	2439.1	2481.1	2503.7	2519.9	2532.8	2442.3	2397.1	2351.9	2177.4	2070.8
32.5°	2539.3	2539.3	2578.0	2620.0	2642.6	2668.5	2594.2	2565.1	2516.7	2335.7	2264.7
35°	2616.8	2616.8	2675.0	2746.0	2788.0	2807.4	2768.6	2765.4	2755.7	2552.2	2448.8
37.5°	2355.1	2387.4	2477.9	2620.0	2781.6	2910.8	2920.5	2985.1	3017.4	2797.7	2665.3
40°	2054.7	2064.4	2171.0	2297.0	2448.8	2610.3	2765.4	2956.0	2933.4	2668.5	2552.2
42.5°	1851.1	1877.0	2012.7	2109.6	2209.7	2309.9	2309.9	2303.4	2141.9	2190.4	2145.1
45°	1831.8	1838.2	1951.3	2096.7	2135.4	1996.5	1802.7	1696.1	1709.0	1944.8	2051.4
47.5°	2032.1	2041.7	2158.1	2297.0	2158.1	1912.5	1721.9	1705.8	1696.1	2112.8	2474.7
50°	2138.7	2145.1	2255.0	2326.0	2109.6	2106.4	2109.6	2051.4	1999.8	2771.9	3550.4
52.5°	2203.3	2209.7	2203.3	2293.7	2219.4	2390.7	2332.5	2235.6	2196.8	3211.2	4193.3
55°	2032.1	2074.1	2248.5	2487.6	2494.0	2552.2	2529.6	2442.3	2439.1	3376.0	4674.7
57.5°	2513.4	2500.5	2568.3	2678.2	2697.6	2700.8	2713.7	2636.2	2658.8	3460.0	4661.8
60°	2846.2	2810.6	2739.6	2791.3	2813.9	2849.4	2894.6	2807.4	2833.3	3534.3	4458.3
62.5°	3159.5	3104.6	2830.0	2820.3	2855.9	2926.9	2991.6	2923.7	2946.3	3560.1	4316.1
65°	3114.3	3065.9	2859.1	2746.0	2797.7	2894.6	2985.1	2952.8	2946.3	3505.2	4141.7
67.5°	2684.6	2687.9	2665.3	2665.3	2645.9	2784.8	2930.2	2933.4	2901.1	3366.3	3880.0
70°	2306.7	2293.7	2329.3	2465.0	2484.3	2649.1	2842.9	2875.2	2833.3	3211.2	3628.0
72.5°	1964.2	1954.5	1961.0	2074.1	2235.6	2416.5	2636.2	2713.7	2652.3	2933.4	3321.1
75°	1625.0	1615.3	1612.1	1650.8	1780.1	2006.2	2258.2	2397.1	2345.4	2529.6	2872.0
77.5°	1234.1	1214.7	1214.7	1227.6	1324.6	1528.1	1770.4	1964.2	1938.4	2038.5	2316.4
80°	820.6	823.8	817.3	814.1	878.7	998.3	1175.9	1408.5	1395.6	1395.6	1537.8
82.5°	520.1	520.1	529.8	497.5	491.1	504.0	546.0	639.7	646.1	707.5	756.0
85°	332.8	336.0	336.0	303.7	294.0	303.7	332.8	361.8	374.8	436.1	491.1
87.5°	242.3	242.3	235.8	229.4	232.6	242.3	264.9	290.8	313.4	361.8	410.3
90°	184.1	184.1	180.9	177.7	184.1	197.1	226.1	255.2	284.3	339.2	384.4
92.5°	151.8	151.8	148.6	148.6	151.8	161.5	187.4	219.7	248.8	294.0	336.0
95°	126.0	129.2	126.0	129.2	132.5	138.9	155.1	180.9	200.3	229.4	258.4
97.5°	100.1	103.4	103.4	103.4	106.6	116.3	126.0	142.1	155.1	168.0	187.4
100°	74.3	77.5	77.5	77.5	80.8	90.5	100.1	106.6	109.8	113.1	122.8
102.5°	54.9	58.2	58.2	58.2	58.2	64.6	67.8	71.1	71.1	71.1	74.3
105°	38.8	38.8	38.8	38.8	38.8	38.8	42.0	42.0	42.0	42.0	42.0
107.5°	29.1	29.1	29.1	29.1	29.1	29.1	32.3	32.3	32.3	32.3	32.3
110°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.1	25.8	25.8	29.1

REPORT NUMBER: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.6	22.6	22.6	22.6	22.6	22.6	25.8	25.8	22.6	22.6	22.6
115°	19.4	19.4	19.4	19.4	19.4	19.4	22.6	22.6	19.4	19.4	19.4
117.5°	16.2	16.2	16.2	16.2	16.2	16.2	19.4	19.4	16.2	19.4	19.4
120°	16.2	19.4	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	19.4
122.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	16.2	16.2
125°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	12.9	12.9
130°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
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: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7	1592.7
2.5°	1599.2	1605.6	1618.5	1631.5	1644.4	1657.3	1663.8	1667.0	1670.2	1663.8	1667.0
5°	1637.9	1644.4	1663.8	1683.2	1679.9	1670.2	1657.3	1657.3	1660.5	1660.5	1667.0
7.5°	1657.3	1667.0	1660.5	1663.8	1670.2	1660.5	1647.6	1631.5	1612.1	1612.1	1615.3
10°	1654.1	1644.4	1654.1	1644.4	1621.8	1618.5	1612.1	1589.5	1576.5	1579.8	1579.8
12.5°	1654.1	1650.8	1631.5	1621.8	1602.4	1566.8	1550.7	1557.2	1541.0	1544.2	1537.8
15°	1679.9	1657.3	1631.5	1599.2	1557.2	1537.8	1515.2	1479.6	1476.4	1476.4	1476.4
17.5°	1696.1	1679.9	1621.8	1557.2	1528.1	1479.6	1453.8	1444.1	1418.2	1427.9	1434.4
20°	1734.8	1696.1	1612.1	1544.2	1444.1	1415.0	1373.0	1363.3	1350.4	1311.6	1298.7
22.5°	1767.1	1731.6	1602.4	1482.9	1398.9	1331.0	1266.4	1221.2	1198.6	1182.4	1169.5
25°	1838.2	1783.3	1612.1	1453.8	1324.6	1237.3	1179.2	1098.4	1043.5	1037.0	1043.5
27.5°	1931.9	1844.7	1634.7	1415.0	1266.4	1130.7	1014.4	959.5	901.3	882.0	885.2
30°	2051.4	1935.1	1631.5	1379.5	1163.0	1008.0	859.3	765.7	720.4	701.0	697.8
32.5°	2222.7	2061.1	1705.8	1334.2	1069.3	836.7	675.2	558.9	536.3	533.1	529.8
35°	2390.7	2264.7	1741.3	1266.4	933.6	672.0	510.4	439.4	436.1	432.9	429.7
37.5°	2613.6	2465.0	1841.5	1224.4	804.4	507.2	410.3	358.6	348.9	332.8	339.2
40°	2513.4	2390.7	1870.5	1159.8	623.5	374.8	306.9	264.9	258.4	261.7	258.4
42.5°	2116.1	2025.6	1631.5	998.3	429.7	274.6	229.4	235.8	248.8	258.4	258.4
45°	2051.4	1873.8	1175.9	707.5	277.8	229.4	222.9	232.6	255.2	277.8	281.1
47.5°	2477.9	2251.7	1030.6	546.0	319.8	261.7	239.1	239.1	252.0	255.2	252.0
50°	3511.7	3169.2	1205.0	626.7	397.4	316.6	274.6	258.4	264.9	271.4	268.1
52.5°	4258.0	3828.3	1373.0	749.5	497.5	378.0	323.1	284.3	277.8	277.8	274.6
55°	4694.1	4206.3	1570.1	924.0	623.5	455.5	374.8	329.5	313.4	300.4	300.4
57.5°	4716.7	4219.2	1776.8	1095.2	778.6	568.6	445.8	384.4	371.5	342.4	336.0
60°	4558.4	4164.3	1935.1	1266.4	927.2	726.9	568.6	478.1	462.0	445.8	436.1
62.5°	4413.0	4073.8	2012.7	1408.5	1085.5	904.6	723.7	597.7	546.0	565.4	578.3
65°	4225.6	3973.7	1961.0	1421.5	1156.6	1011.2	836.7	652.6	565.4	607.4	630.0
67.5°	3938.1	3712.0	1831.8	1305.2	1079.0	946.6	785.0	613.8	546.0	562.1	562.1
70°	3647.4	3405.1	1705.8	1214.7	972.4	833.5	681.7	549.2	539.5	529.8	529.8
72.5°	3304.9	3017.4	1541.0	1159.8	930.4	810.9	662.3	552.4	578.3	591.2	591.2
75°	2872.0	2552.2	1366.6	1111.3	911.0	827.0	665.5	594.4	639.7	646.1	646.1
77.5°	2351.9	2003.0	1163.0	1024.1	856.1	794.7	620.3	584.7	630.0	639.7	642.9
80°	1618.5	1418.2	975.6	891.7	765.7	714.0	571.8	568.6	613.8	636.4	639.7
82.5°	820.6	807.7	710.7	701.0	652.6	623.5	529.8	552.4	600.9	633.2	636.4
85°	507.2	526.6	474.9	468.4	484.6	497.5	481.4	526.6	562.1	597.7	604.1
87.5°	423.2	445.8	397.4	378.0	384.4	407.1	426.4	474.9	507.2	536.3	539.5
90°	397.4	416.7	339.2	323.1	336.0	352.1	365.1	390.9	416.7	432.9	432.9
92.5°	348.9	355.4	281.1	268.1	287.5	297.2	294.0	300.4	300.4	268.1	268.1
95°	268.1	268.1	213.2	213.2	229.4	232.6	210.0	190.6	177.7	106.6	90.5
97.5°	193.8	190.6	155.1	155.1	168.0	164.8	138.9	116.3	96.9	61.4	64.6
100°	129.2	126.0	103.4	109.8	116.3	103.4	87.2	71.1	58.2	38.8	45.2
102.5°	77.5	74.3	67.8	71.1	67.8	64.6	51.7	42.0	35.5	22.6	25.8
105°	45.2	42.0	42.0	42.0	42.0	38.8	35.5	25.8	19.4	12.9	12.9
107.5°	32.3	32.3	32.3	29.1	29.1	25.8	22.6	19.4	12.9	9.7	6.5
110°	29.1	25.8	25.8	25.8	22.6	22.6	19.4	16.2	9.7	6.5	6.5

REPORT NUMBER: P691884

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.6	22.6	22.6	19.4	19.4	16.2	12.9	12.9	9.7	3.2	3.2
115°	19.4	19.4	16.2	16.2	12.9	12.9	9.7	9.7	6.5	3.2	3.2
117.5°	19.4	19.4	12.9	12.9	9.7	9.7	9.7	6.5	3.2	3.2	3.2
120°	19.4	16.2	12.9	9.7	9.7	9.7	6.5	6.5	3.2	0.0	3.2
122.5°	16.2	16.2	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0
125°	12.9	12.9	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0
127.5°	12.9	12.9	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0
130°	9.7	9.7	6.5	6.5	6.5	6.5	3.2	3.2	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)