

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: P691860

Luminaire Tested: **CRTK2-C01H-D-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9703 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

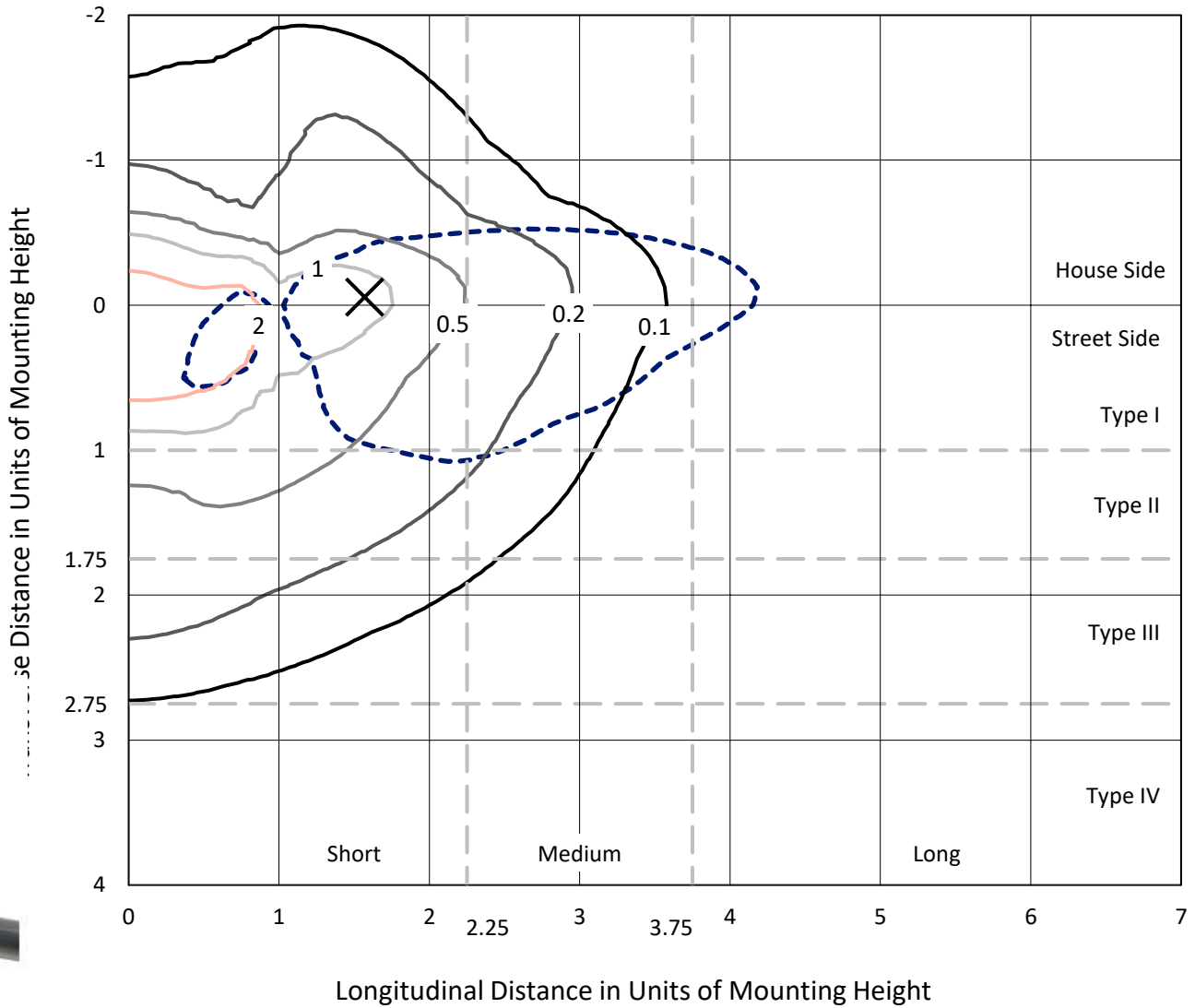
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691860
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

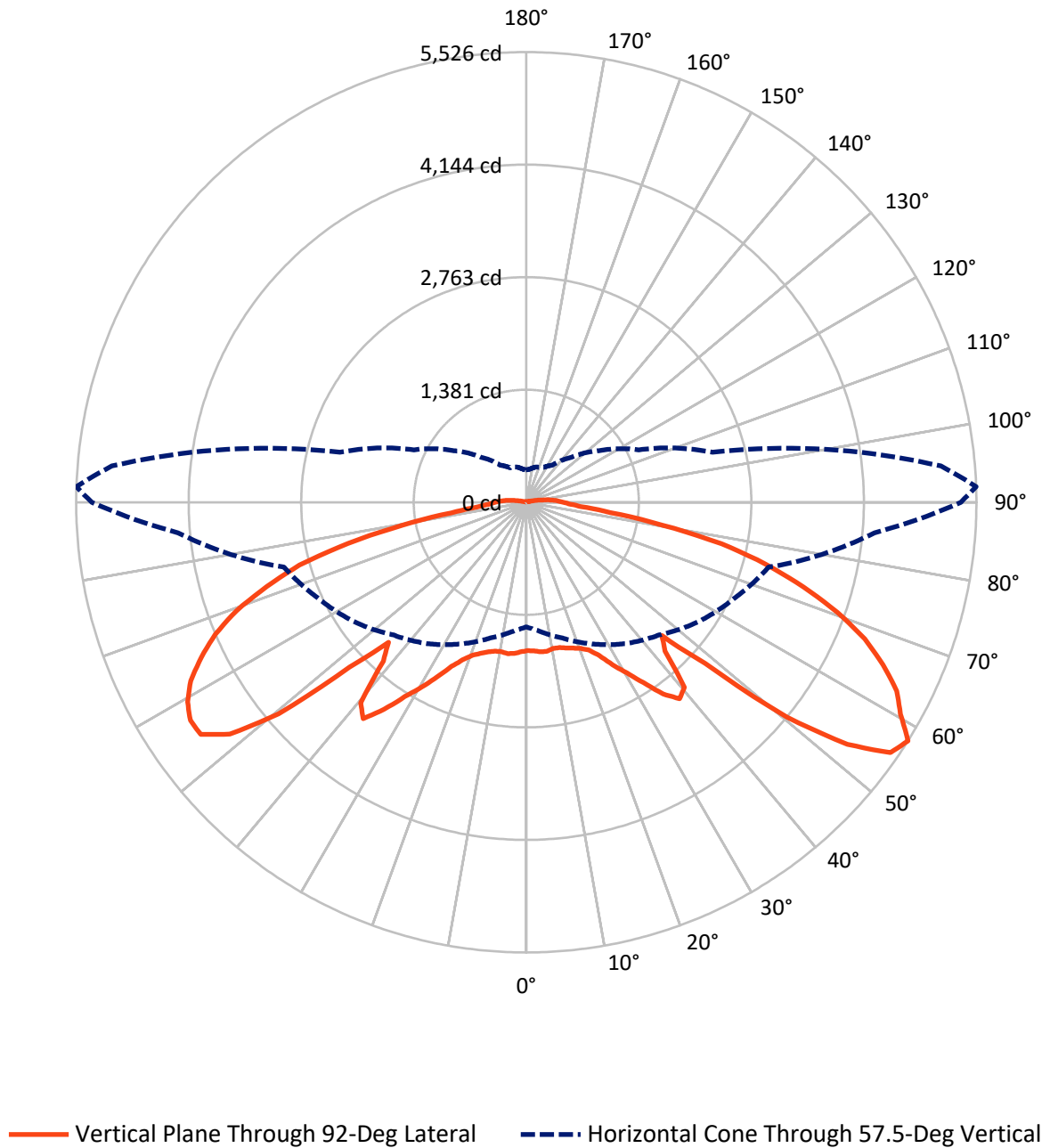
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type I - Short - N/A

REPORT NUMBER: P691860
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691860
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

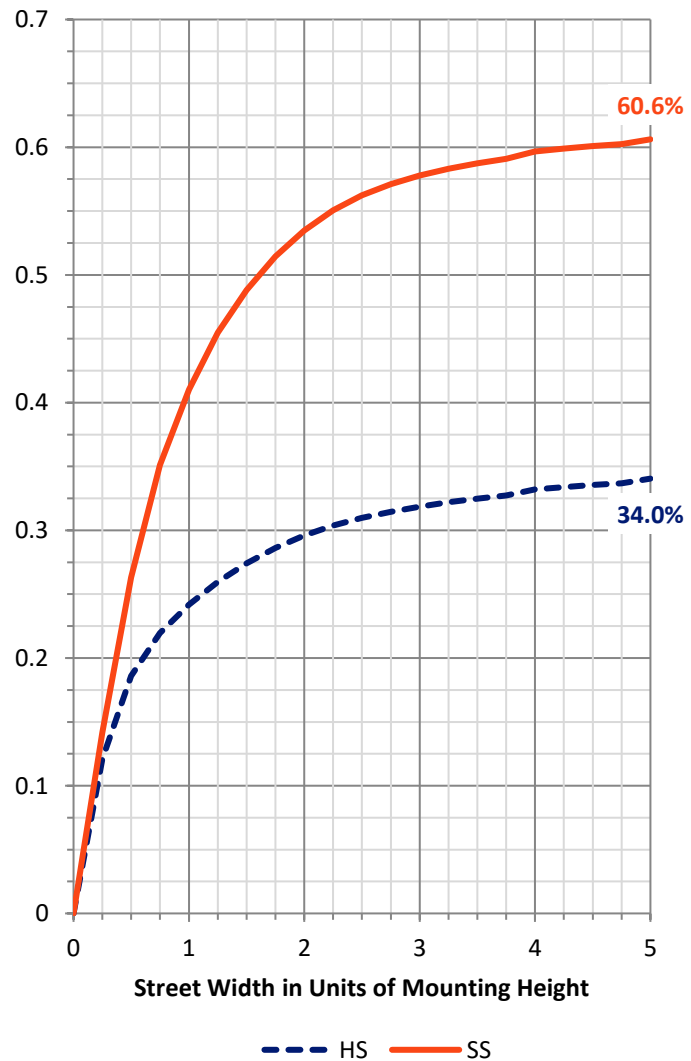
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3462.1	151.2	3613.4
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5966.1	123.5	6089.6
	% Fixture	61.5	1.3	62.8
Total	Lumens	9428.2	274.7	9703.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.8
10°-20°	514.2	5.3
20°-30°	852.8	8.8
30°-40°	1180.3	12.2
40°-50°	1102.1	11.4
50°-60°	1646.7	17.0
60°-70°	1956.1	20.2
70°-80°	1435.6	14.8
80°-90°	566.0	5.8
90°-100°	199.3	2.1
100°-110°	47.1	0.5
110°-120°	18.2	0.2
120°-130°	9.3	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°	9428.2	97.2
0°-180°	9703.0	100.0



REPORT NUMBER: P691860

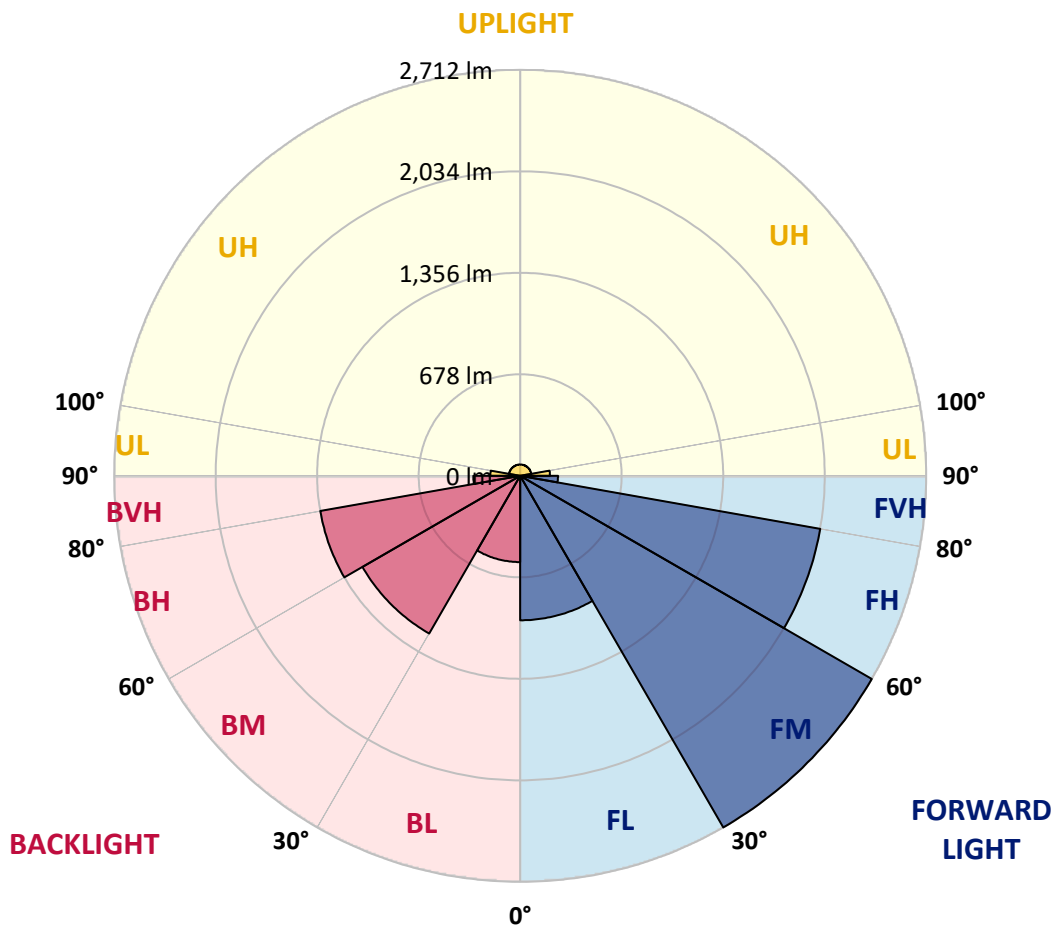
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	965.2	9.9			
FM (30°-60°)	2712.4	28.0			
FH (60°-80°)	2035.5	21.0			G2/5000
FVH (80°-90°)	253.0	2.6			G3/500
BL (0°-30°)	576.3	5.9	B2/1000		
BM (30°-60°)	1216.6	12.5	B2/2500		
BH (60°-80°)	1356.2	14.0	B3/2500		G3/2500
BVH (80°-90°)	313.0	3.2			G3/500
UL (90°-100°)	199.3	2.1		U3/500	
UH (100°-180°)	75.4	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short





REPORT NUMBER: P691860

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1
2.5°	1898.6	1885.5	1888.7	1885.5	1878.9	1872.4	1865.9	1859.3	1849.5	1839.7	1833.2
5°	2009.7	1996.6	1996.6	1996.6	1983.5	1963.9	1937.8	1921.4	1898.6	1872.4	1852.8
7.5°	2084.8	2075.0	2071.7	2068.5	2052.1	2039.1	2009.7	1957.4	1921.4	1888.7	1859.3
10°	2111.0	2111.0	2107.7	2097.9	2081.5	2065.2	2045.6	1996.6	1937.8	1882.2	1843.0
12.5°	2160.0	2166.5	2156.7	2140.4	2133.8	2114.2	2084.8	2045.6	1980.2	1895.3	1849.5
15°	2235.1	2231.9	2218.8	2215.5	2209.0	2186.1	2160.0	2111.0	2035.8	1928.0	1875.7
17.5°	2267.8	2264.5	2264.5	2264.5	2264.5	2248.2	2244.9	2189.4	2111.0	1980.2	1914.9
20°	2274.3	2274.3	2284.1	2307.0	2310.3	2307.0	2323.4	2287.4	2195.9	2045.6	1957.4
22.5°	2316.8	2320.1	2336.4	2359.3	2375.6	2382.2	2395.2	2411.6	2326.6	2150.2	2039.1
25°	2293.9	2310.3	2346.2	2382.2	2421.4	2444.3	2516.2	2571.7	2499.8	2303.7	2153.4
27.5°	2254.7	2267.8	2339.7	2405.0	2493.3	2588.0	2692.6	2764.5	2722.0	2493.3	2336.4
30°	2290.7	2290.7	2336.4	2444.3	2558.6	2731.8	2885.4	2963.8	2944.2	2692.6	2548.8
32.5°	2215.5	2235.1	2333.2	2490.0	2663.2	2888.7	3045.5	3192.6	3212.2	2950.8	2718.8
35°	1993.3	2035.8	2101.1	2307.0	2601.1	2993.2	3235.1	3421.3	3503.0	3244.9	2973.6
37.5°	1646.9	1663.3	1800.5	2006.4	2356.0	2744.9	3163.2	3617.4	3787.3	3467.1	3228.5
40°	1454.1	1463.9	1552.2	1731.9	2026.0	2408.3	2761.2	3228.5	3362.5	3329.8	3104.3
42.5°	1388.8	1405.1	1509.7	1682.9	1931.2	2195.9	2287.4	2490.0	2437.7	2578.2	2650.1
45°	1467.2	1477.0	1552.2	1702.5	1859.3	1973.7	1908.4	2052.1	2124.0	2401.8	2418.1
47.5°	1522.8	1529.3	1611.0	1800.5	1826.7	1829.9	1918.2	2003.1	2202.4	2803.7	3071.7
50°	1307.1	1339.8	1496.6	1660.0	1673.1	1931.2	2182.8	2352.8	2597.8	3692.5	4205.6
52.5°	1212.3	1228.7	1398.6	1682.9	1872.4	2173.0	2352.8	2522.7	2758.0	4078.1	4980.0
55°	1330.0	1356.1	1558.7	1875.7	2065.2	2271.1	2496.5	2705.7	2937.7	4277.5	5326.4
57.5°	1529.3	1578.3	1725.4	1918.2	2117.5	2303.7	2565.2	2807.0	3078.2	4290.5	5332.9
60°	1924.7	1888.7	1807.1	1892.0	2084.8	2297.2	2597.8	2856.0	3156.6	4287.3	5182.6
62.5°	2195.9	2143.6	1872.4	1833.2	2012.9	2228.6	2526.0	2849.5	3140.3	4143.5	5012.7
65°	2143.6	2107.7	1898.6	1754.8	1885.5	2117.5	2427.9	2810.2	3061.9	3989.9	4705.5
67.5°	1849.5	1807.1	1718.8	1663.3	1728.6	1999.9	2336.4	2731.8	2970.4	3813.4	4369.0
70°	1509.7	1486.8	1457.4	1516.2	1597.9	1852.8	2169.8	2561.9	2797.2	3476.9	4009.5
72.5°	1280.9	1267.9	1231.9	1294.0	1431.3	1660.0	1924.7	2316.8	2581.5	3022.6	3565.1
75°	1078.4	1081.6	1062.0	1101.2	1189.5	1414.9	1624.1	2006.4	2300.5	2594.6	3084.7
77.5°	885.6	875.8	895.4	918.2	977.1	1140.4	1280.9	1614.3	1963.9	2058.7	2365.8
80°	647.0	663.3	699.3	696.0	745.0	816.9	911.7	1088.2	1379.0	1473.7	1591.4
82.5°	457.5	477.1	509.8	473.8	480.4	500.0	542.4	624.1	777.7	872.5	970.5
85°	323.5	333.3	339.8	313.7	313.7	326.8	356.2	415.0	509.8	568.6	620.9
87.5°	235.3	238.5	251.6	238.5	241.8	248.3	274.5	313.7	392.1	434.6	477.1
90°	179.7	179.7	186.3	183.0	189.5	202.6	228.7	261.4	320.2	372.5	411.7
92.5°	130.7	130.7	137.2	140.5	143.8	160.1	183.0	209.1	248.3	313.7	352.9
95°	101.3	101.3	107.8	107.8	111.1	124.2	143.8	169.9	199.3	245.1	281.0
97.5°	75.2	75.2	81.7	81.7	85.0	94.8	111.1	127.4	153.6	183.0	199.3
100°	58.8	58.8	62.1	62.1	65.4	75.2	85.0	94.8	101.3	117.6	124.2
102.5°	49.0	49.0	49.0	49.0	49.0	55.6	58.8	58.8	62.1	71.9	75.2
105°	39.2	39.2	39.2	35.9	35.9	39.2	39.2	39.2	42.5	42.5	45.7
107.5°	29.4	29.4	29.4	29.4	29.4	32.7	32.7	32.7	32.7	35.9	35.9
110°	26.1	26.1	26.1	26.1	26.1	26.1	29.4	29.4	29.4	29.4	29.4



REPORT NUMBER: P691860
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.9	22.9	22.9	22.9	22.9	22.9	26.1	26.1	26.1	26.1	26.1
115°	19.6	19.6	19.6	19.6	19.6	22.9	26.1	22.9	22.9	22.9	22.9
117.5°	16.3	16.3	16.3	19.6	19.6	19.6	22.9	19.6	19.6	19.6	22.9
120°	13.1	13.1	16.3	16.3	16.3	16.3	16.3	16.3	19.6	19.6	19.6
122.5°	13.1	13.1	13.1	13.1	13.1	16.3	16.3	16.3	16.3	16.3	19.6
125°	9.8	9.8	9.8	13.1	13.1	13.1	13.1	13.1	13.1	16.3	16.3
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	13.1	13.1	13.1
130°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
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: P691860

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1
2.5°	1826.7	1826.7	1807.1	1787.4	1767.8	1748.2	1731.9	1722.1	1709.0	1712.3	1712.3
5°	1843.0	1833.2	1790.7	1764.6	1735.2	1709.0	1682.9	1660.0	1653.5	1650.2	1637.1
7.5°	1846.3	1829.9	1784.2	1745.0	1689.4	1627.3	1597.9	1571.8	1555.4	1568.5	1562.0
10°	1823.4	1803.8	1751.5	1692.7	1614.3	1562.0	1516.2	1490.1	1477.0	1480.3	1477.0
12.5°	1829.9	1807.1	1722.1	1633.9	1568.5	1480.3	1424.7	1401.9	1385.5	1385.5	1375.7
15°	1856.1	1816.9	1696.0	1604.5	1496.6	1421.5	1356.1	1339.8	1333.2	1326.7	1316.9
17.5°	1882.2	1826.7	1692.7	1552.2	1431.3	1349.6	1284.2	1254.8	1238.5	1238.5	1235.2
20°	1914.9	1846.3	1673.1	1496.6	1369.2	1261.3	1182.9	1156.8	1143.7	1140.4	1133.9
22.5°	1970.4	1898.6	1663.3	1473.7	1287.5	1176.4	1101.2	1052.2	1026.1	1022.8	1022.8
25°	2081.5	1993.3	1682.9	1411.7	1231.9	1088.2	996.7	947.6	918.2	918.2	915.0
27.5°	2258.0	2117.5	1712.3	1388.8	1127.4	993.4	898.6	823.5	797.3	797.3	800.6
30°	2431.2	2307.0	1787.4	1339.8	1068.5	869.2	754.8	699.3	666.6	653.5	656.8
32.5°	2637.1	2506.3	1892.0	1307.1	950.9	722.2	617.6	588.2	539.2	526.1	516.3
35°	2888.7	2699.1	2009.7	1261.3	859.4	614.3	529.4	470.6	447.7	431.3	428.1
37.5°	3058.6	2891.9	2114.2	1271.1	732.0	555.5	460.7	398.7	375.8	379.1	379.1
40°	2986.7	2793.9	2140.4	1205.8	624.1	483.6	385.6	349.6	336.6	339.8	343.1
42.5°	2496.5	2395.2	1771.1	1078.4	516.3	388.9	323.5	323.5	333.3	323.5	323.5
45°	2333.2	2078.3	1287.5	758.1	388.9	320.2	307.2	317.0	339.8	339.8	339.8
47.5°	2954.0	2666.5	1153.5	633.9	434.6	359.5	333.3	317.0	320.2	317.0	317.0
50°	4143.5	3692.5	1548.9	790.8	526.1	428.1	379.1	346.4	346.4	339.8	333.3
52.5°	4934.3	4460.5	1885.5	990.1	660.1	500.0	434.6	375.8	356.2	343.1	339.8
55°	5424.4	5065.0	2176.3	1267.9	859.4	594.7	483.6	421.5	392.1	366.0	362.7
57.5°	5525.7	5107.5	2369.1	1522.8	1107.8	781.0	555.5	467.3	447.7	405.2	398.7
60°	5277.4	4999.6	2444.3	1689.4	1323.4	1029.3	725.4	542.4	500.0	470.6	464.0
62.5°	5104.2	4784.0	2418.1	1745.0	1457.4	1235.2	954.2	666.6	545.7	549.0	578.4
65°	4813.4	4597.7	2225.3	1663.3	1450.9	1303.8	1071.8	771.2	562.0	555.5	591.5
67.5°	4480.1	4310.1	2032.5	1483.5	1336.5	1209.1	996.7	735.2	532.6	500.0	503.2
70°	4052.0	3908.2	1836.5	1382.2	1231.9	1071.8	865.9	637.2	526.1	473.8	473.8
72.5°	3558.6	3388.6	1673.1	1307.1	1176.4	1029.3	830.0	614.3	565.3	545.7	562.0
75°	3035.7	2820.1	1545.6	1235.2	1137.2	1029.3	826.7	614.3	565.3	549.0	549.0
77.5°	2447.5	2320.1	1408.4	1120.8	1058.7	980.3	761.4	571.9	555.5	549.0	549.0
80°	1692.7	1673.1	1147.0	973.8	957.4	928.0	715.6	552.2	552.2	542.4	529.4
82.5°	1039.1	990.1	820.2	728.7	784.3	826.7	650.3	519.6	506.5	496.7	490.2
85°	673.2	676.4	575.1	509.8	542.4	630.7	549.0	470.6	450.9	457.5	457.5
87.5°	516.3	532.6	450.9	415.0	408.5	428.1	431.3	421.5	408.5	398.7	401.9
90°	444.4	450.9	362.7	333.3	330.0	336.6	336.6	356.2	356.2	323.5	303.9
92.5°	372.5	382.3	300.6	271.2	271.2	281.0	287.6	287.6	261.4	212.4	189.5
95°	294.1	300.6	238.5	215.7	218.9	218.9	215.7	205.9	160.1	94.8	85.0
97.5°	205.9	209.1	176.5	163.4	166.7	160.1	140.5	127.4	98.0	55.6	52.3
100°	130.7	134.0	111.1	107.8	117.6	104.6	91.5	85.0	58.8	35.9	42.5
102.5°	78.4	78.4	68.6	65.4	71.9	62.1	55.6	45.7	35.9	22.9	29.4
105°	45.7	45.7	42.5	42.5	42.5	39.2	35.9	29.4	19.6	16.3	16.3
107.5°	35.9	35.9	32.7	32.7	29.4	29.4	26.1	19.6	13.1	9.8	9.8
110°	29.4	29.4	26.1	26.1	26.1	22.9	19.6	16.3	9.8	6.5	6.5



REPORT NUMBER: P691860
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	26.1	22.9	22.9	19.6	19.6	16.3	13.1	9.8	6.5	6.5
115°	22.9	22.9	19.6	16.3	16.3	16.3	13.1	9.8	6.5	3.3	6.5
117.5°	22.9	22.9	16.3	13.1	13.1	13.1	9.8	9.8	6.5	3.3	3.3
120°	19.6	19.6	13.1	13.1	9.8	9.8	9.8	6.5	3.3	3.3	3.3
122.5°	16.3	16.3	13.1	9.8	9.8	9.8	6.5	6.5	3.3	3.3	3.3
125°	16.3	16.3	9.8	9.8	9.8	6.5	6.5	6.5	3.3	0.0	0.0
127.5°	13.1	13.1	9.8	9.8	6.5	6.5	6.5	3.3	3.3	0.0	0.0
130°	9.8	9.8	9.8	9.8	6.5	6.5	6.5	3.3	3.3	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)