

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: P691892

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691892
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-T3-7050-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: 9869 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

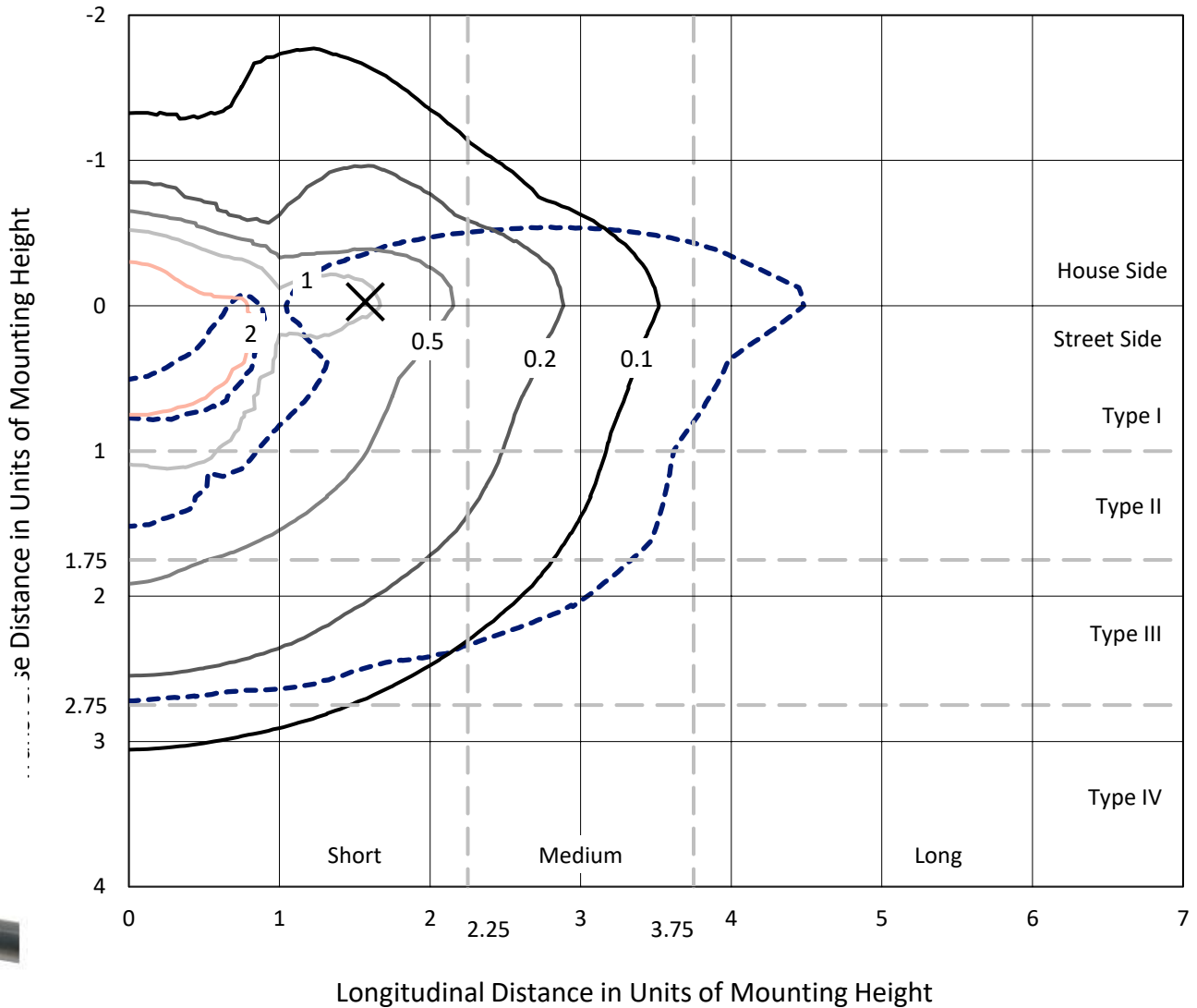
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691892
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

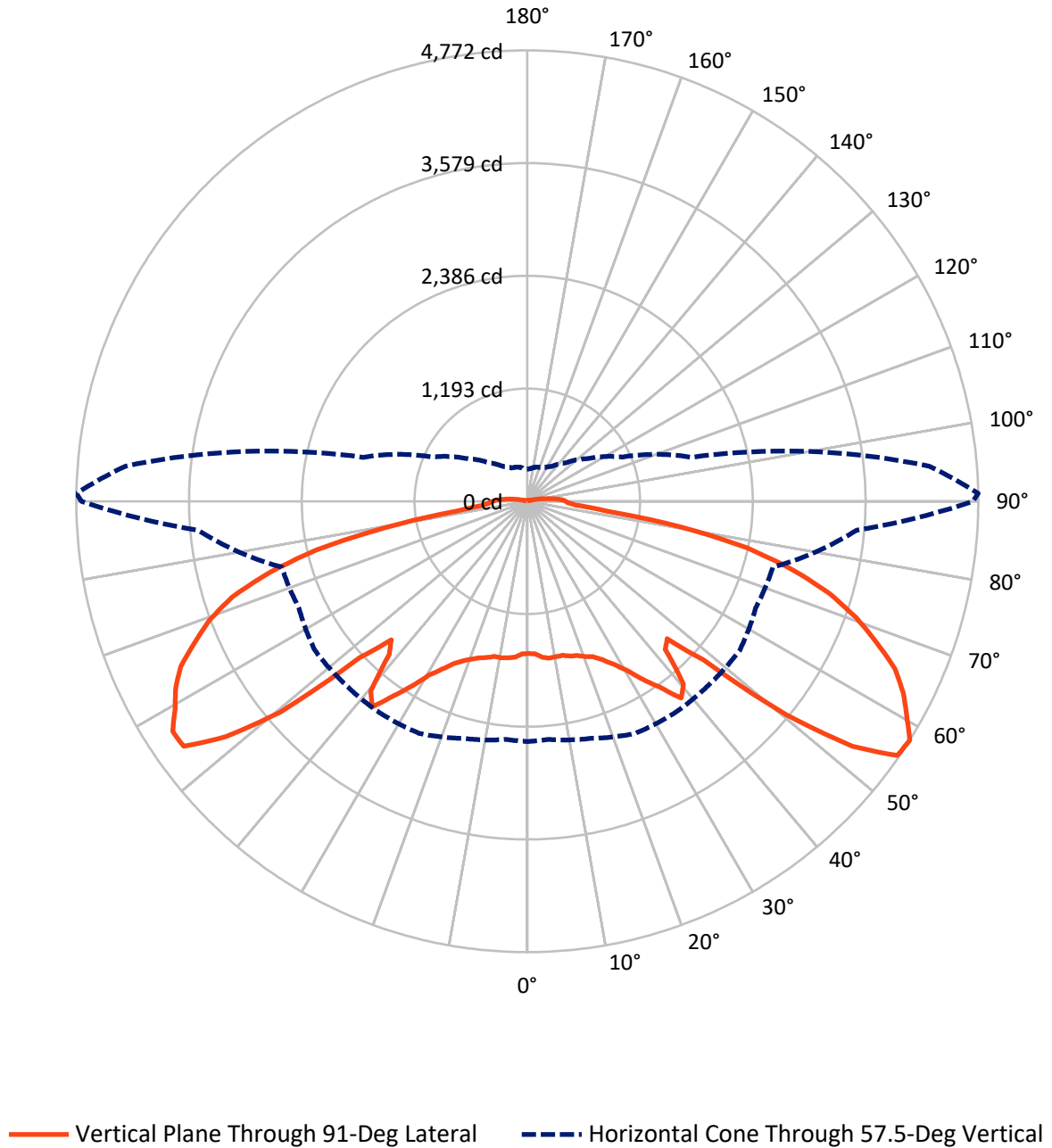
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P691892
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691892

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

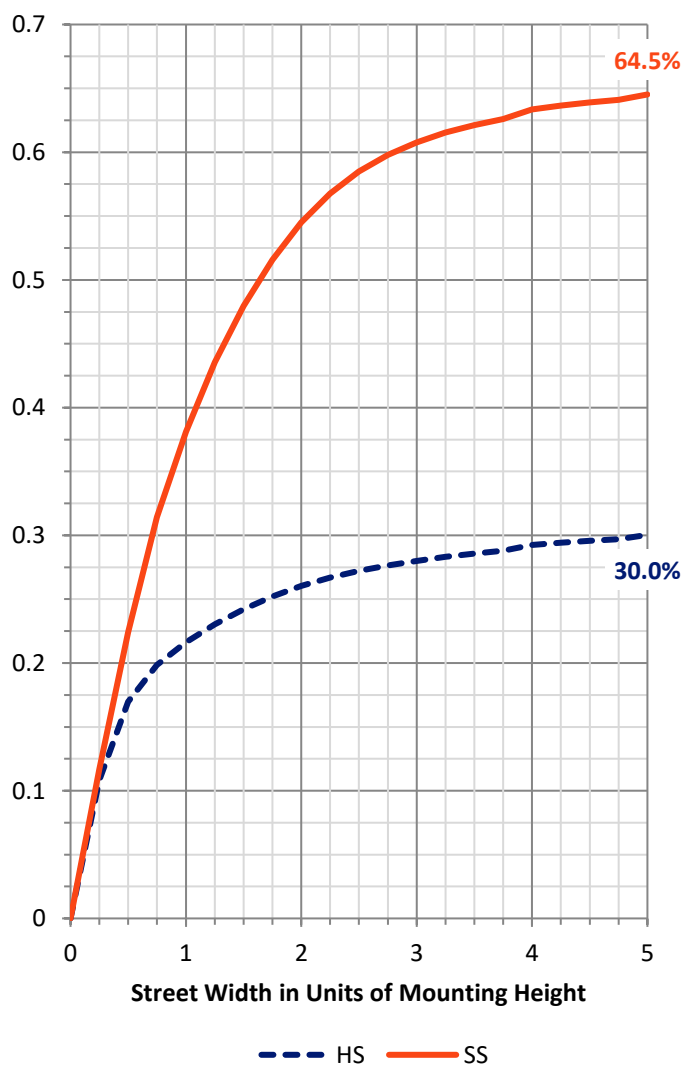
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3132.6	152.3	3284.9
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6453.7	130.3	6584.1
	% Fixture	65.4	1.3	66.7
Total	Lumens	9586.3	282.7	9869.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	1.6
10°-20°	479.6	4.9
20°-30°	815.5	8.3
30°-40°	1147.4	11.6
40°-50°	1089.6	11.0
50°-60°	1632.2	16.5
60°-70°	2112.2	21.4
70°-80°	1598.5	16.2
80°-90°	553.7	5.6
90°-100°	207.9	2.1
100°-110°	48.7	0.5
110°-120°	16.8	0.2
120°-130°	8.5	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°	9586.3	97.1
0°-180°	9869.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691892

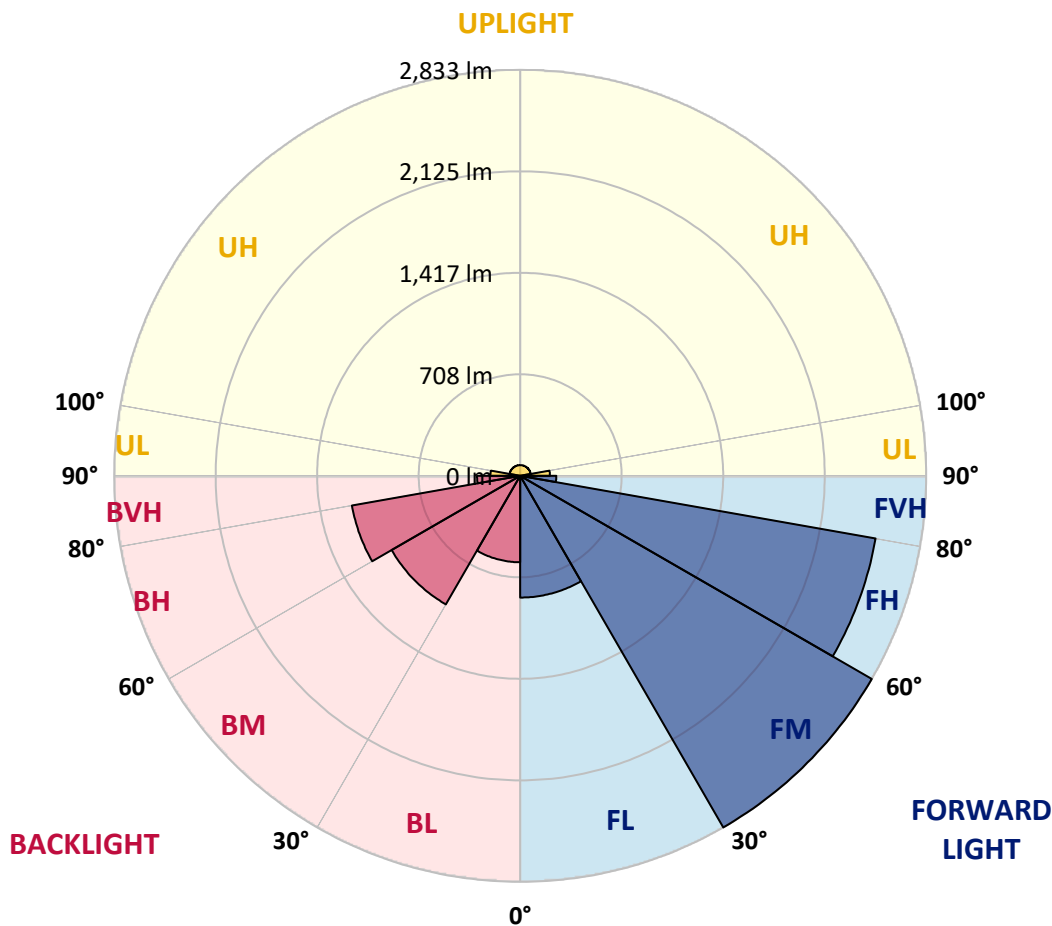
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	849.7	8.6			
FM (30°-60°)	2833.2	28.7			
FH (60°-80°)	2518.4	25.5			G2/5000
FVH (80°-90°)	252.5	2.6			G3/500
BL (0°-30°)	603.1	6.1	B2/1000		
BM (30°-60°)	1036.1	10.5	B2/2500		
BH (60°-80°)	1192.2	12.1	B3/2500		G3/2500
BVH (80°-90°)	301.2	3.1			G3/500
UL (90°-100°)	207.9	2.1		U3/500	
UH (100°-180°)	74.7	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short





REPORT NUMBER: P691892

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3
2.5°	1581.9	1581.9	1581.9	1585.2	1595.0	1601.5	1604.8	1601.5	1604.8	1611.3	1617.8
5°	1627.6	1624.4	1621.1	1614.6	1611.3	1611.3	1614.6	1614.6	1621.1	1644.0	1657.1
7.5°	1670.1	1663.6	1660.3	1660.3	1657.1	1640.7	1637.5	1627.6	1624.4	1653.8	1673.4
10°	1748.6	1742.0	1722.4	1699.6	1693.0	1673.4	1644.0	1637.5	1640.7	1673.4	1679.9
12.5°	1820.5	1817.2	1804.1	1781.3	1748.6	1729.0	1686.5	1666.9	1670.1	1689.7	1676.7
15°	1941.4	1928.3	1889.1	1869.5	1836.8	1800.9	1745.3	1722.4	1729.0	1712.6	1706.1
17.5°	2013.3	2003.5	2003.5	1967.6	1944.7	1882.6	1830.3	1787.8	1804.1	1761.7	1725.7
20°	2078.7	2078.7	2082.0	2088.5	2046.0	1997.0	1925.1	1872.8	1876.0	1813.9	1761.7
22.5°	2180.0	2170.2	2180.0	2189.8	2160.4	2117.9	2029.7	1977.4	1954.5	1876.0	1807.4
25°	2284.6	2278.1	2278.1	2304.2	2314.0	2248.6	2166.9	2111.4	2078.7	1964.3	1872.8
27.5°	2389.2	2392.4	2402.3	2412.1	2428.4	2395.7	2314.0	2271.5	2229.0	2068.9	1977.4
30°	2474.2	2467.6	2510.1	2533.0	2549.3	2562.4	2470.9	2425.1	2379.4	2202.9	2095.0
32.5°	2568.9	2568.9	2608.2	2650.6	2673.5	2699.7	2624.5	2595.1	2546.1	2363.0	2291.1
35°	2647.4	2647.4	2706.2	2778.1	2820.6	2840.2	2801.0	2797.7	2787.9	2582.0	2477.4
37.5°	2382.6	2415.3	2506.8	2650.6	2814.1	2944.8	2954.6	3020.0	3052.7	2830.4	2696.4
40°	2078.7	2088.5	2196.3	2323.8	2477.4	2640.8	2797.7	2990.6	2967.7	2699.7	2582.0
42.5°	1872.8	1898.9	2036.2	2134.2	2235.6	2336.9	2336.9	2330.3	2166.9	2216.0	2170.2
45°	1853.2	1859.7	1974.1	2121.2	2160.4	2019.9	1823.8	1715.9	1729.0	1967.6	2075.4
47.5°	2055.8	2065.6	2183.3	2323.8	2183.3	1934.9	1742.0	1725.7	1715.9	2137.5	2503.6
50°	2163.7	2170.2	2281.3	2353.2	2134.2	2131.0	2134.2	2075.4	2023.1	2804.3	3591.9
52.5°	2229.0	2235.6	2229.0	2320.5	2245.4	2418.6	2359.8	2261.7	2222.5	3248.8	4242.3
55°	2055.8	2098.3	2274.8	2516.6	2523.2	2582.0	2559.1	2470.9	2467.6	3415.4	4729.3
57.5°	2542.8	2529.7	2598.4	2709.5	2729.1	2732.4	2745.4	2667.0	2689.9	3500.4	4716.3
60°	2879.4	2843.5	2771.6	2823.9	2846.8	2882.7	2928.5	2840.2	2866.4	3575.6	4510.4
62.5°	3196.5	3140.9	2863.1	2853.3	2889.2	2961.1	3026.5	2957.9	2980.8	3601.7	4366.5
65°	3150.7	3101.7	2892.5	2778.1	2830.4	2928.5	3020.0	2987.3	2980.8	3546.2	4190.1
67.5°	2716.0	2719.3	2696.4	2696.4	2676.8	2817.3	2964.4	2967.7	2935.0	3405.6	3925.3
70°	2333.6	2320.5	2356.5	2493.8	2513.4	2680.1	2876.2	2908.8	2866.4	3248.8	3670.4
72.5°	1987.2	1977.4	1983.9	2098.3	2261.7	2444.7	2667.0	2745.4	2683.3	2967.7	3359.9
75°	1644.0	1634.2	1630.9	1670.1	1800.9	2029.7	2284.6	2425.1	2372.8	2559.1	2905.6
77.5°	1248.5	1228.9	1228.9	1242.0	1340.0	1545.9	1791.1	1987.2	1961.0	2062.3	2343.4
80°	830.2	833.4	826.9	823.6	889.0	1009.9	1189.7	1425.0	1411.9	1411.9	1555.7
82.5°	526.2	526.2	536.0	503.3	496.8	509.9	552.4	647.1	653.7	715.8	764.8
85°	336.6	339.9	339.9	307.2	297.4	307.2	336.6	366.1	379.1	441.2	496.8
87.5°	245.1	245.1	238.6	232.1	235.3	245.1	268.0	294.2	317.0	366.1	415.1
90°	186.3	186.3	183.0	179.8	186.3	199.4	228.8	258.2	287.6	343.2	388.9
92.5°	153.6	153.6	150.3	150.3	153.6	163.4	189.6	222.2	251.7	297.4	339.9
95°	127.5	130.7	127.5	130.7	134.0	140.5	156.9	183.0	202.6	232.1	261.5
97.5°	101.3	104.6	104.6	104.6	107.9	117.7	127.5	143.8	156.9	170.0	189.6
100°	75.2	78.4	78.4	78.4	81.7	91.5	101.3	107.9	111.1	114.4	124.2
102.5°	55.6	58.8	58.8	58.8	58.8	65.4	68.6	71.9	71.9	71.9	75.2
105°	39.2	39.2	39.2	39.2	39.2	39.2	42.5	42.5	42.5	42.5	42.5
107.5°	29.4	29.4	29.4	29.4	29.4	29.4	32.7	32.7	32.7	32.7	32.7
110°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	29.4	26.1	26.1	29.4



REPORT NUMBER: P691892

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-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	22.9	22.9	22.9
115°	19.6	19.6	19.6	19.6	19.6	19.6	22.9	22.9	19.6	19.6	19.6
117.5°	16.3	16.3	16.3	16.3	16.3	16.3	19.6	19.6	16.3	19.6	19.6
120°	16.3	19.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	19.6
122.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	16.3	16.3
125°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	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: P691892

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3
2.5°	1617.8	1624.4	1637.5	1650.5	1663.6	1676.7	1683.2	1686.5	1689.7	1683.2	1686.5
5°	1657.1	1663.6	1683.2	1702.8	1699.6	1689.7	1676.7	1676.7	1679.9	1679.9	1686.5
7.5°	1676.7	1686.5	1679.9	1683.2	1689.7	1679.9	1666.9	1650.5	1630.9	1630.9	1634.2
10°	1673.4	1663.6	1673.4	1663.6	1640.7	1637.5	1630.9	1608.0	1595.0	1598.2	1598.2
12.5°	1673.4	1670.1	1650.5	1640.7	1621.1	1585.2	1568.8	1575.4	1559.0	1562.3	1555.7
15°	1699.6	1676.7	1650.5	1617.8	1575.4	1555.7	1532.9	1496.9	1493.6	1493.6	1493.6
17.5°	1715.9	1699.6	1640.7	1575.4	1545.9	1496.9	1470.8	1461.0	1434.8	1444.6	1451.2
20°	1755.1	1715.9	1630.9	1562.3	1461.0	1431.5	1389.1	1379.3	1366.2	1327.0	1313.9
22.5°	1787.8	1751.8	1621.1	1500.2	1415.2	1346.6	1281.2	1235.4	1212.6	1196.2	1183.2
25°	1859.7	1804.1	1630.9	1470.8	1340.0	1251.8	1193.0	1111.2	1055.7	1049.1	1055.7
27.5°	1954.5	1866.2	1653.8	1431.5	1281.2	1143.9	1026.3	970.7	911.9	892.3	895.5
30°	2075.4	1957.8	1650.5	1395.6	1176.6	1019.7	869.4	774.6	728.8	709.2	706.0
32.5°	2248.6	2085.2	1725.7	1349.8	1081.8	846.5	683.1	565.4	542.5	539.3	536.0
35°	2418.6	2291.1	1761.7	1281.2	944.6	679.8	516.4	444.5	441.2	438.0	434.7
37.5°	2644.1	2493.8	1863.0	1238.7	813.8	513.1	415.1	362.8	353.0	336.6	343.2
40°	2542.8	2418.6	1892.4	1173.3	630.8	379.1	310.5	268.0	261.5	264.7	261.5
42.5°	2140.8	2049.3	1650.5	1009.9	434.7	277.8	232.1	238.6	251.7	261.5	261.5
45°	2075.4	1895.7	1189.7	715.8	281.1	232.1	225.5	235.3	258.2	281.1	284.3
47.5°	2506.8	2278.1	1042.6	552.4	323.6	264.7	241.9	241.9	254.9	258.2	254.9
50°	3552.7	3206.3	1219.1	634.1	402.0	320.3	277.8	261.5	268.0	274.5	271.3
52.5°	4307.7	3873.0	1389.1	758.3	503.3	382.4	326.8	287.6	281.1	281.1	277.8
55°	4748.9	4255.4	1588.4	934.8	630.8	460.8	379.1	333.4	317.0	304.0	304.0
57.5°	4771.8	4268.5	1797.6	1108.0	787.7	575.2	451.0	388.9	375.9	346.4	339.9
60°	4611.7	4212.9	1957.8	1281.2	938.0	735.4	575.2	483.7	467.4	451.0	441.2
62.5°	4464.6	4121.4	2036.2	1425.0	1098.2	915.1	732.1	604.6	552.4	572.0	585.0
65°	4275.0	4020.1	1983.9	1438.1	1170.1	1023.0	846.5	660.2	572.0	614.5	637.3
67.5°	3984.1	3755.4	1853.2	1320.4	1091.6	957.6	794.2	621.0	552.4	568.7	568.7
70°	3690.0	3444.9	1725.7	1228.9	983.8	843.2	689.6	555.6	545.8	536.0	536.0
72.5°	3343.5	3052.7	1559.0	1173.3	941.3	820.4	670.0	558.9	585.0	598.1	598.1
75°	2905.6	2582.0	1382.5	1124.3	921.7	836.7	673.3	601.4	647.1	653.7	653.7
77.5°	2379.4	2026.4	1176.6	1036.1	866.1	804.0	627.5	591.6	637.3	647.1	650.4
80°	1637.5	1434.8	987.0	902.1	774.6	722.3	578.5	575.2	621.0	643.9	647.1
82.5°	830.2	817.1	719.0	709.2	660.2	630.8	536.0	558.9	607.9	640.6	643.9
85°	513.1	532.7	480.5	473.9	490.3	503.3	487.0	532.7	568.7	604.6	611.2
87.5°	428.2	451.0	402.0	382.4	388.9	411.8	431.4	480.5	513.1	542.5	545.8
90°	402.0	421.6	343.2	326.8	339.9	356.3	369.3	395.5	421.6	438.0	438.0
92.5°	353.0	359.5	284.3	271.3	290.9	300.7	297.4	304.0	304.0	271.3	271.3
95°	271.3	271.3	215.7	215.7	232.1	235.3	212.4	192.8	179.8	107.9	91.5
97.5°	196.1	192.8	156.9	156.9	170.0	166.7	140.5	117.7	98.1	62.1	65.4
100°	130.7	127.5	104.6	111.1	117.7	104.6	88.2	71.9	58.8	39.2	45.8
102.5°	78.4	75.2	68.6	71.9	68.6	65.4	52.3	42.5	36.0	22.9	26.1
105°	45.8	42.5	42.5	42.5	42.5	39.2	36.0	26.1	19.6	13.1	13.1
107.5°	32.7	32.7	32.7	29.4	29.4	26.1	22.9	19.6	13.1	9.8	6.5
110°	29.4	26.1	26.1	26.1	22.9	22.9	19.6	16.3	9.8	6.5	6.5



REPORT NUMBER: P691892
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.9	22.9	22.9	19.6	19.6	16.3	13.1	13.1	9.8	3.3	3.3
115°	19.6	19.6	16.3	16.3	13.1	13.1	9.8	9.8	6.5	3.3	3.3
117.5°	19.6	19.6	13.1	13.1	9.8	9.8	9.8	6.5	3.3	3.3	3.3
120°	19.6	16.3	13.1	9.8	9.8	9.8	6.5	6.5	3.3	0.0	3.3
122.5°	16.3	16.3	9.8	9.8	6.5	6.5	6.5	3.3	3.3	0.0	0.0
125°	13.1	13.1	9.8	6.5	6.5	6.5	6.5	3.3	3.3	0.0	0.0
127.5°	13.1	13.1	9.8	6.5	6.5	6.5	6.5	3.3	3.3	0.0	0.0
130°	9.8	9.8	6.5	6.5	6.5	6.5	3.3	3.3	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)