

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: P691876

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691876
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-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9475 lumens
Efficiency: N/A
Efficacy: 135.0 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

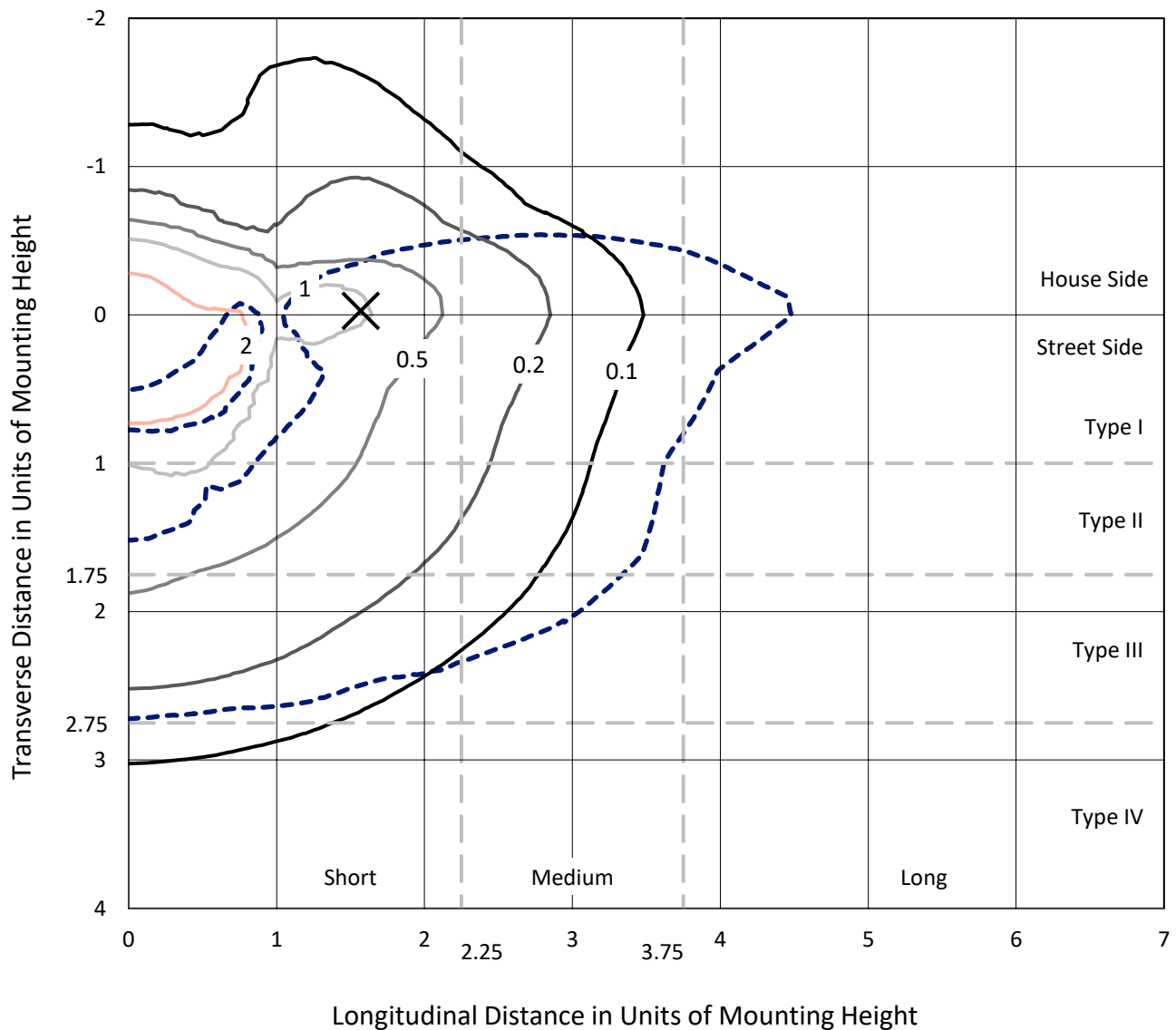


REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

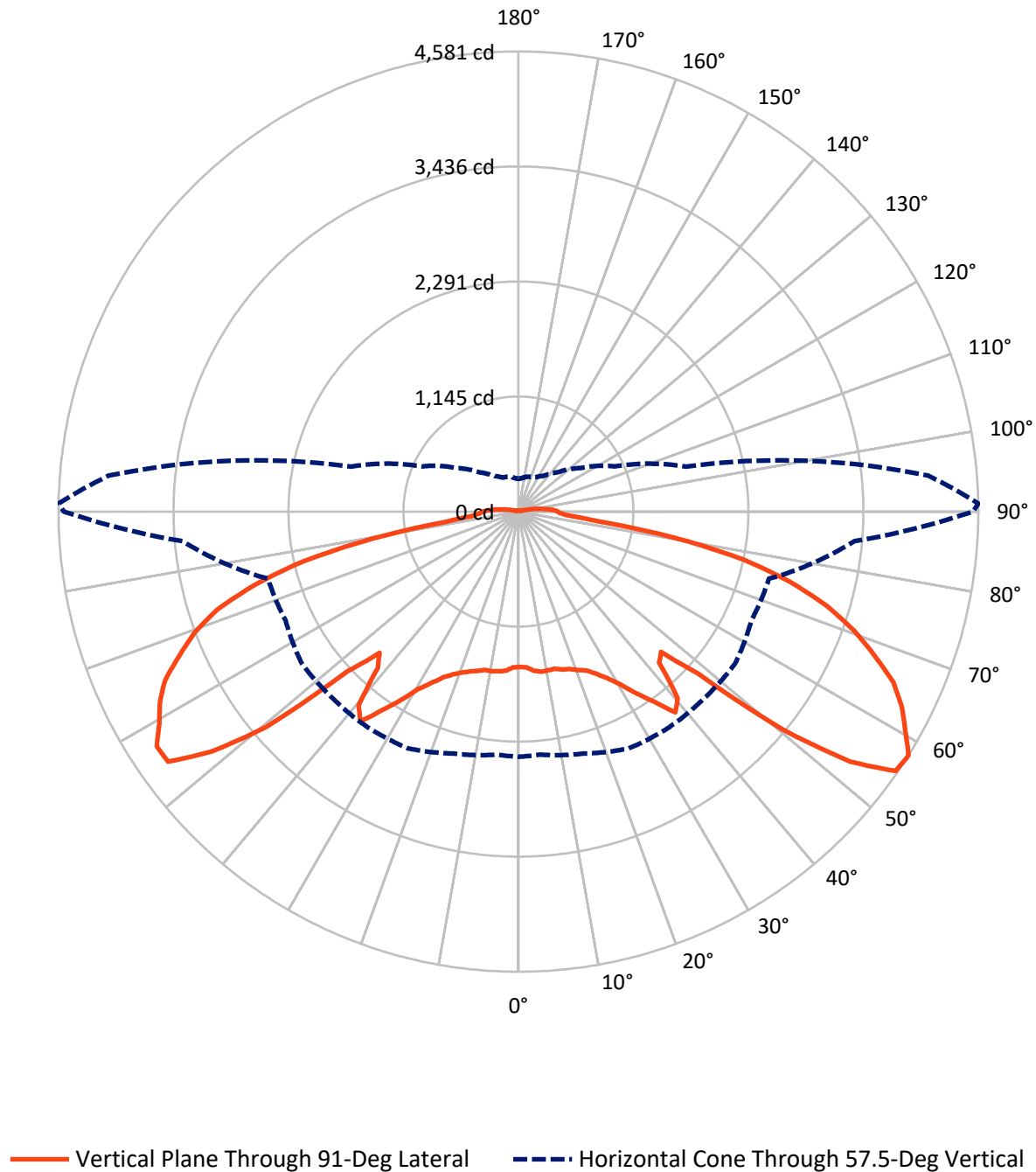


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Short - N/A

REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

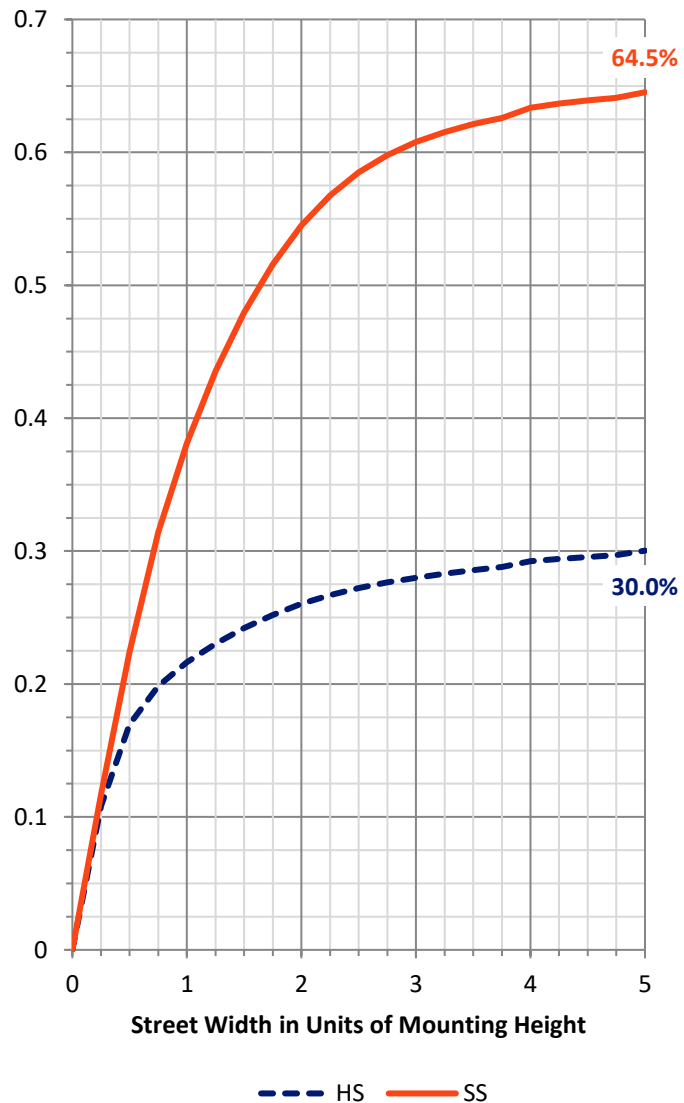
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3007.5	146.2	3153.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6196.1	125.2	6321.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	9203.6	271.4	9475.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	1.6
10°-20°	460.5	4.9
20°-30°	782.9	8.3
30°-40°	1101.6	11.6
40°-50°	1046.1	11.0
50°-60°	1567.1	16.5
60°-70°	2027.8	21.4
70°-80°	1534.7	16.2
80°-90°	531.6	5.6
90°-100°	199.6	2.1
100°-110°	46.8	0.5
110°-120°	16.1	0.2
120°-130°	8.2	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°	9203.6	97.1
0°-180°	9475.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691876

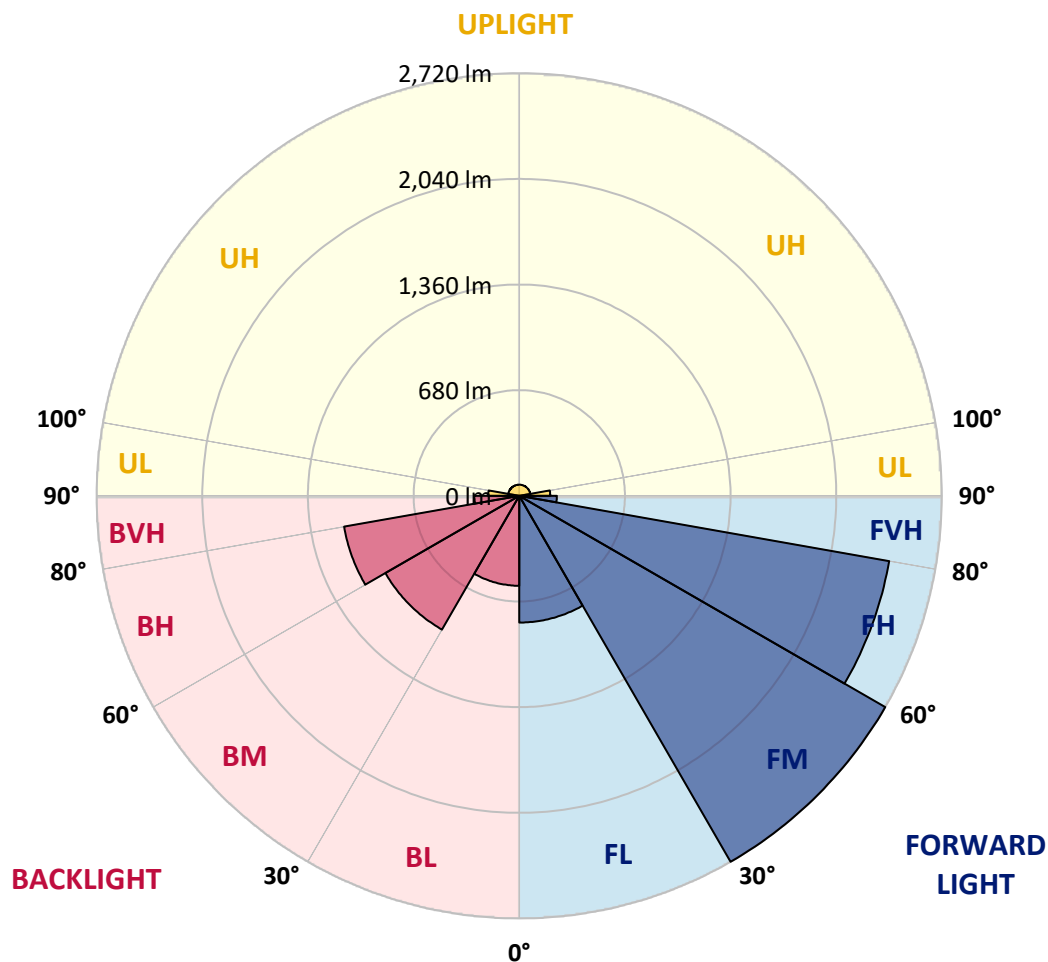
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	815.7	8.6			
FM	(30°-60°)	2720.1	28.7			
FH	(60°-80°)	2417.9	25.5			G2/5000
FVH	(80°-90°)	242.4	2.6			G3/500
BL	(0°-30°)	579.0	6.1	B2/1000		
BM	(30°-60°)	994.7	10.5	B1/1000		
BH	(60°-80°)	1144.6	12.1	B3/2500		G3/2500
BVH	(80°-90°)	289.2	3.1			G3/500
UL	(90°-100°)	199.6	2.1		U3/500	
UH	(100°-180°)	71.8	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short





REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0
2.5°	1518.7	1518.7	1518.7	1521.9	1531.3	1537.6	1540.7	1537.6	1540.7	1547.0	1553.3
5°	1562.7	1559.5	1556.4	1550.1	1547.0	1547.0	1550.1	1550.1	1556.4	1578.4	1590.9
7.5°	1603.5	1597.2	1594.0	1594.0	1590.9	1575.2	1572.1	1562.7	1559.5	1587.8	1606.6
10°	1678.8	1672.5	1653.7	1631.7	1625.4	1606.6	1578.4	1572.1	1575.2	1606.6	1612.9
12.5°	1747.8	1744.7	1732.1	1710.1	1678.8	1659.9	1619.1	1600.3	1603.5	1622.3	1609.7
15°	1863.9	1851.4	1813.7	1794.9	1763.5	1729.0	1675.6	1653.7	1659.9	1644.3	1638.0
17.5°	1932.9	1923.5	1923.5	1889.0	1867.0	1807.4	1757.2	1716.4	1732.1	1691.3	1656.8
20°	1995.7	1995.7	1998.8	2005.1	1964.3	1917.2	1848.2	1798.0	1801.1	1741.5	1691.3
22.5°	2093.0	2083.6	2093.0	2102.4	2074.1	2033.4	1948.6	1898.4	1876.5	1801.1	1735.3
25°	2193.4	2187.1	2187.1	2212.2	2221.6	2158.9	2080.4	2027.1	1995.7	1885.9	1798.0
27.5°	2293.8	2296.9	2306.3	2315.8	2331.5	2300.1	2221.6	2180.8	2140.0	1986.3	1898.4
30°	2375.4	2369.1	2409.9	2431.9	2447.6	2460.1	2372.2	2328.3	2284.4	2114.9	2011.4
32.5°	2466.4	2466.4	2504.0	2544.8	2566.8	2591.9	2519.7	2491.5	2444.4	2268.7	2199.7
35°	2541.7	2541.7	2598.2	2667.2	2708.0	2726.8	2689.2	2686.0	2676.6	2478.9	2378.5
37.5°	2287.5	2318.9	2406.8	2544.8	2701.7	2827.2	2836.6	2899.4	2930.8	2717.4	2588.8
40°	1995.7	2005.1	2108.7	2231.0	2378.5	2535.4	2686.0	2871.2	2849.2	2591.9	2478.9
42.5°	1798.0	1823.1	1954.9	2049.0	2146.3	2243.6	2243.6	2237.3	2080.4	2127.5	2083.6
45°	1779.2	1785.5	1895.3	2036.5	2074.1	1939.2	1750.9	1647.4	1659.9	1889.0	1992.6
47.5°	1973.7	1983.1	2096.1	2231.0	2096.1	1857.6	1672.5	1656.8	1647.4	2052.2	2403.6
50°	2077.3	2083.6	2190.2	2259.3	2049.0	2045.9	2049.0	1992.6	1942.4	2692.3	3448.5
52.5°	2140.0	2146.3	2140.0	2227.9	2155.7	2322.0	2265.6	2171.4	2133.8	3119.1	4073.0
55°	1973.7	2014.5	2184.0	2416.2	2422.4	2478.9	2457.0	2372.2	2369.1	3279.1	4540.5
57.5°	2441.3	2428.7	2494.6	2601.3	2620.1	2623.3	2635.8	2560.5	2582.5	3360.7	4528.0
60°	2764.5	2730.0	2660.9	2711.1	2733.1	2767.6	2811.5	2726.8	2751.9	3432.8	4330.3
62.5°	3068.9	3015.5	2748.8	2739.4	2773.9	2842.9	2905.7	2839.8	2861.8	3458.0	4192.2
65°	3024.9	2977.9	2777.0	2667.2	2717.4	2811.5	2899.4	2868.0	2861.8	3404.6	4022.8
67.5°	2607.6	2610.7	2588.8	2588.8	2569.9	2704.9	2846.1	2849.2	2817.8	3269.7	3768.6
70°	2240.5	2227.9	2262.4	2394.2	2413.0	2573.1	2761.3	2792.7	2751.9	3119.1	3523.8
72.5°	1907.8	1898.4	1904.7	2014.5	2171.4	2347.1	2560.5	2635.8	2576.2	2849.2	3225.7
75°	1578.4	1568.9	1565.8	1603.5	1729.0	1948.6	2193.4	2328.3	2278.1	2457.0	2789.6
77.5°	1198.7	1179.8	1179.8	1192.4	1286.5	1484.2	1719.6	1907.8	1882.7	1980.0	2249.9
80°	797.0	800.2	793.9	790.7	853.5	969.6	1142.2	1368.1	1355.6	1355.6	1493.6
82.5°	505.2	505.2	514.6	483.2	477.0	489.5	530.3	621.3	627.6	687.2	734.3
85°	323.2	326.3	326.3	295.0	285.5	295.0	323.2	351.4	364.0	423.6	477.0
87.5°	235.3	235.3	229.1	222.8	225.9	235.3	257.3	282.4	304.4	351.4	398.5
90°	178.9	178.9	175.7	172.6	178.9	191.4	219.7	247.9	276.1	329.5	373.4
92.5°	147.5	147.5	144.3	144.3	147.5	156.9	182.0	213.4	241.6	285.5	326.3
95°	122.4	125.5	122.4	125.5	128.7	134.9	150.6	175.7	194.5	222.8	251.0
97.5°	97.3	100.4	100.4	100.4	103.6	113.0	122.4	138.1	150.6	163.2	182.0
100°	72.2	75.3	75.3	75.3	78.4	87.9	97.3	103.6	106.7	109.8	119.2
102.5°	53.3	56.5	56.5	56.5	56.5	62.8	65.9	69.0	69.0	69.0	72.2
105°	37.7	37.7	37.7	37.7	37.7	37.7	40.8	40.8	40.8	40.8	40.8
107.5°	28.2	28.2	28.2	28.2	28.2	28.2	31.4	31.4	31.4	31.4	31.4
110°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	28.2	25.1	25.1	28.2



REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.0	22.0	22.0	22.0	22.0	22.0	25.1	25.1	22.0	22.0	22.0
115°	18.8	18.8	18.8	18.8	18.8	18.8	22.0	22.0	18.8	18.8	18.8
117.5°	15.7	15.7	15.7	15.7	15.7	15.7	18.8	18.8	15.7	18.8	18.8
120°	15.7	18.8	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	18.8
122.5°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	15.7	15.7
125°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
127.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	12.6	12.6
130°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
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: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0	1547.0
2.5°	1553.3	1559.5	1572.1	1584.6	1597.2	1609.7	1616.0	1619.1	1622.3	1616.0	1619.1
5°	1590.9	1597.2	1616.0	1634.8	1631.7	1622.3	1609.7	1609.7	1612.9	1612.9	1619.1
7.5°	1609.7	1619.1	1612.9	1616.0	1622.3	1612.9	1600.3	1584.6	1565.8	1565.8	1568.9
10°	1606.6	1597.2	1606.6	1597.2	1575.2	1572.1	1565.8	1543.8	1531.3	1534.4	1534.4
12.5°	1606.6	1603.5	1584.6	1575.2	1556.4	1521.9	1506.2	1512.5	1496.8	1499.9	1493.6
15°	1631.7	1609.7	1584.6	1553.3	1512.5	1493.6	1471.7	1437.2	1434.0	1434.0	1434.0
17.5°	1647.4	1631.7	1575.2	1512.5	1484.2	1437.2	1412.0	1402.6	1377.5	1386.9	1393.2
20°	1685.0	1647.4	1565.8	1499.9	1402.6	1374.4	1333.6	1324.2	1311.6	1274.0	1261.4
22.5°	1716.4	1681.9	1556.4	1440.3	1358.7	1292.8	1230.1	1186.1	1164.2	1148.5	1135.9
25°	1785.5	1732.1	1565.8	1412.0	1286.5	1201.8	1145.3	1066.9	1013.5	1007.3	1013.5
27.5°	1876.5	1791.7	1587.8	1374.4	1230.1	1098.3	985.3	932.0	875.5	856.6	859.8
30°	1992.6	1879.6	1584.6	1339.9	1129.6	979.0	834.7	743.7	699.7	680.9	677.8
32.5°	2158.9	2002.0	1656.8	1295.9	1038.6	812.7	655.8	542.9	520.9	517.8	514.6
35°	2322.0	2199.7	1691.3	1230.1	906.8	652.7	495.8	426.8	423.6	420.5	417.3
37.5°	2538.6	2394.2	1788.6	1189.3	781.3	492.6	398.5	348.3	338.9	323.2	329.5
40°	2441.3	2322.0	1816.8	1126.5	605.6	364.0	298.1	257.3	251.0	254.2	251.0
42.5°	2055.3	1967.5	1584.6	969.6	417.3	266.7	222.8	229.1	241.6	251.0	251.0
45°	1992.6	1820.0	1142.2	687.2	269.9	222.8	216.5	225.9	247.9	269.9	273.0
47.5°	2406.8	2187.1	1001.0	530.3	310.7	254.2	232.2	232.2	244.8	247.9	244.8
50°	3410.9	3078.3	1170.4	608.8	386.0	307.5	266.7	251.0	257.3	263.6	260.4
52.5°	4135.7	3718.4	1333.6	728.0	483.2	367.1	313.8	276.1	269.9	269.9	266.7
55°	4559.4	4085.5	1525.0	897.4	605.6	442.4	364.0	320.1	304.4	291.8	291.8
57.5°	4581.3	4098.1	1725.8	1063.7	756.2	552.3	433.0	373.4	360.9	332.6	326.3
60°	4427.6	4044.7	1879.6	1230.1	900.6	706.0	552.3	464.4	448.7	433.0	423.6
62.5°	4286.4	3956.9	1954.9	1368.1	1054.3	878.6	702.9	580.5	530.3	549.1	561.7
65°	4104.4	3859.6	1904.7	1380.7	1123.4	982.2	812.7	633.9	549.1	589.9	611.9
67.5°	3825.1	3605.4	1779.2	1267.7	1048.1	919.4	762.5	596.2	530.3	546.0	546.0
70°	3542.7	3307.3	1656.8	1179.8	944.5	809.6	662.1	533.4	524.0	514.6	514.6
72.5°	3210.1	2930.8	1496.8	1126.5	903.7	787.6	643.3	536.6	561.7	574.2	574.2
75°	2789.6	2478.9	1327.3	1079.4	884.9	803.3	646.4	577.4	621.3	627.6	627.6
77.5°	2284.4	1945.5	1129.6	994.7	831.5	771.9	602.5	568.0	611.9	621.3	624.4
80°	1572.1	1377.5	947.6	866.1	743.7	693.5	555.4	552.3	596.2	618.2	621.3
82.5°	797.0	784.5	690.3	680.9	633.9	605.6	514.6	536.6	583.6	615.0	618.2
85°	492.6	511.5	461.3	455.0	470.7	483.2	467.5	511.5	546.0	580.5	586.8
87.5°	411.1	433.0	386.0	367.1	373.4	395.4	414.2	461.3	492.6	520.9	524.0
90°	386.0	404.8	329.5	313.8	326.3	342.0	354.6	379.7	404.8	420.5	420.5
92.5°	338.9	345.2	273.0	260.4	279.3	288.7	285.5	291.8	291.8	260.4	260.4
95°	260.4	260.4	207.1	207.1	222.8	225.9	204.0	185.1	172.6	103.6	87.9
97.5°	188.3	185.1	150.6	150.6	163.2	160.0	134.9	113.0	94.1	59.6	62.8
100°	125.5	122.4	100.4	106.7	113.0	100.4	84.7	69.0	56.5	37.7	43.9
102.5°	75.3	72.2	65.9	69.0	65.9	62.8	50.2	40.8	34.5	22.0	25.1
105°	43.9	40.8	40.8	40.8	40.8	37.7	34.5	25.1	18.8	12.6	12.6
107.5°	31.4	31.4	31.4	28.2	28.2	25.1	22.0	18.8	12.6	9.4	6.3
110°	28.2	25.1	25.1	25.1	22.0	22.0	18.8	15.7	9.4	6.3	6.3



REPORT NUMBER: P691876

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.0	22.0	22.0	18.8	18.8	15.7	12.6	12.6	9.4	3.1	3.1
115°	18.8	18.8	15.7	15.7	12.6	12.6	9.4	9.4	6.3	3.1	3.1
117.5°	18.8	18.8	12.6	12.6	9.4	9.4	9.4	6.3	3.1	3.1	3.1
120°	18.8	15.7	12.6	9.4	9.4	9.4	6.3	6.3	3.1	0.0	3.1
122.5°	15.7	15.7	9.4	9.4	6.3	6.3	6.3	3.1	3.1	0.0	0.0
125°	12.6	12.6	9.4	6.3	6.3	6.3	6.3	3.1	3.1	0.0	0.0
127.5°	12.6	12.6	9.4	6.3	6.3	6.3	6.3	3.1	3.1	0.0	0.0
130°	9.4	9.4	6.3	6.3	6.3	6.3	3.1	3.1	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)