

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: P691791

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691791
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-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 8727 lumens
Efficiency: N/A
Efficacy: 116.5 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): 74.9
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

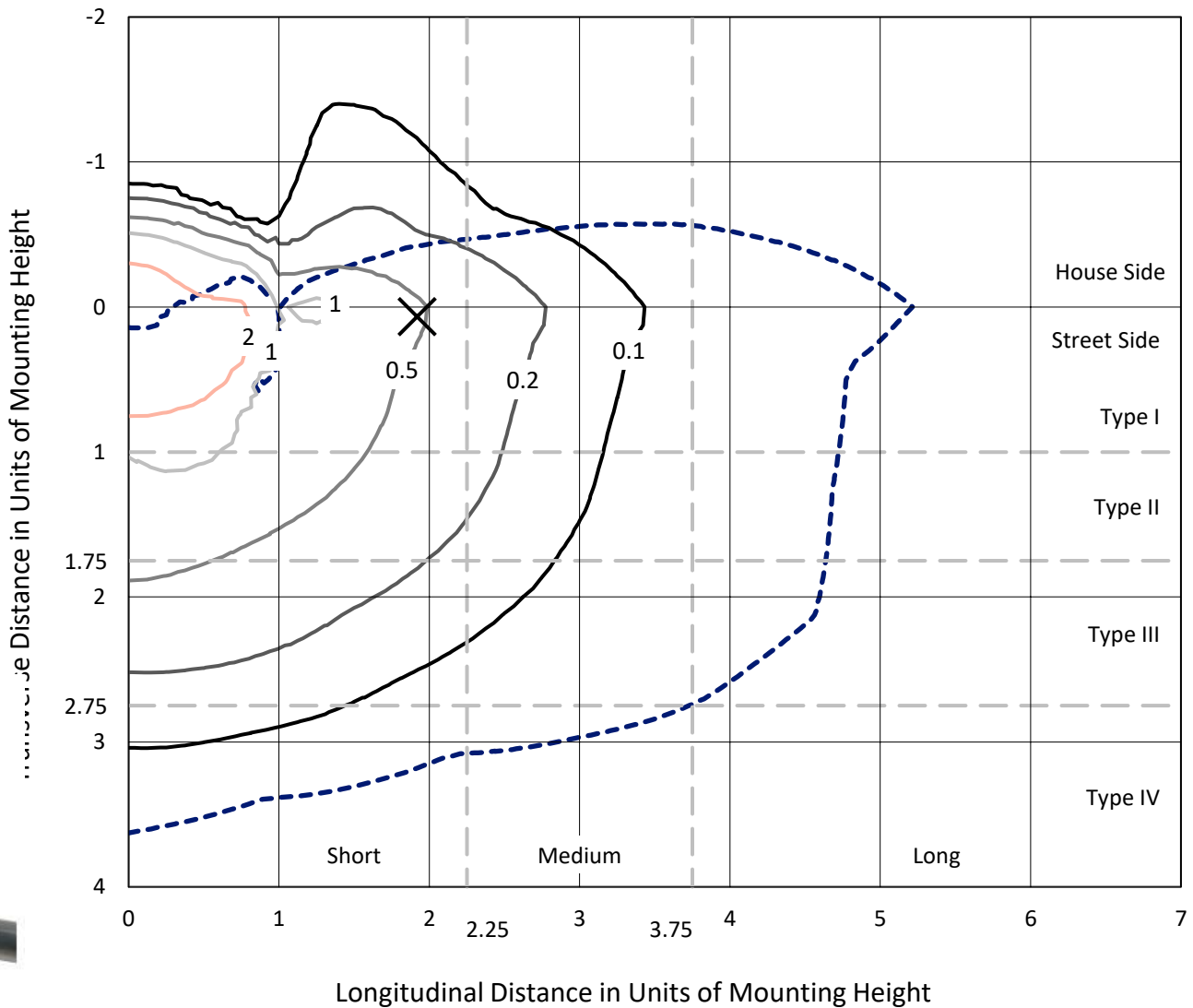


REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

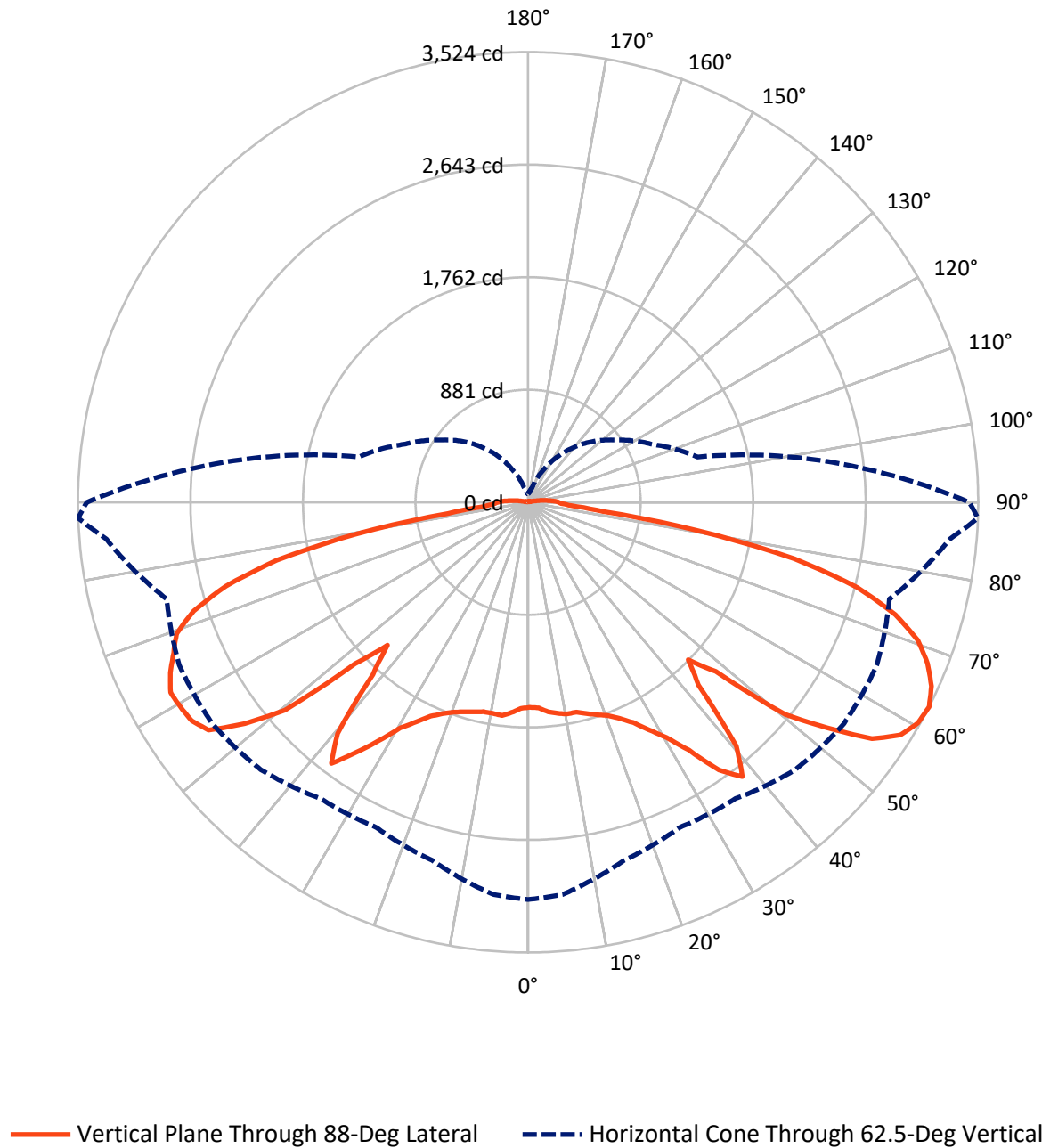


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

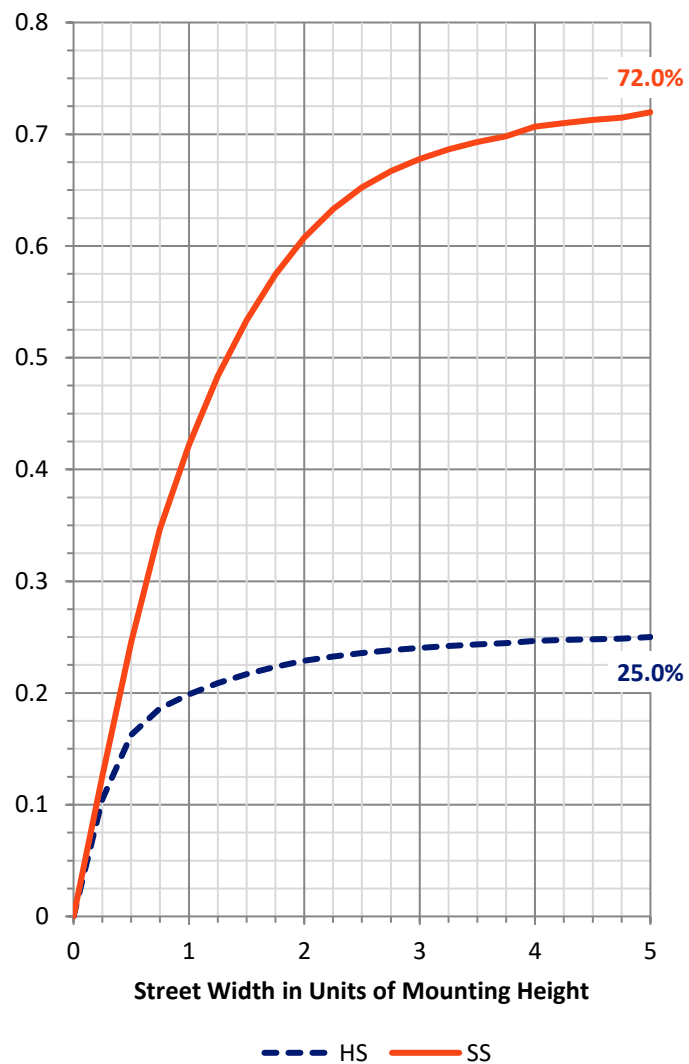
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2220.2	41.8	2262.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	6361.8	103.2	6464.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	8582.0	145.0	8727.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	1.8
10°-20°	482.9	5.5
20°-30°	817.9	9.4
30°-40°	1129.1	12.9
40°-50°	976.5	11.2
50°-60°	1413.7	16.2
60°-70°	1850.6	21.2
70°-80°	1403.1	16.1
80°-90°	350.0	4.0
90°-100°	103.0	1.2
100°-110°	23.9	0.3
110°-120°	10.7	0.1
120°-130°	6.9	0.1
130°-140°	0.6	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°	8582.0	98.3
0°-180°	8727.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691791

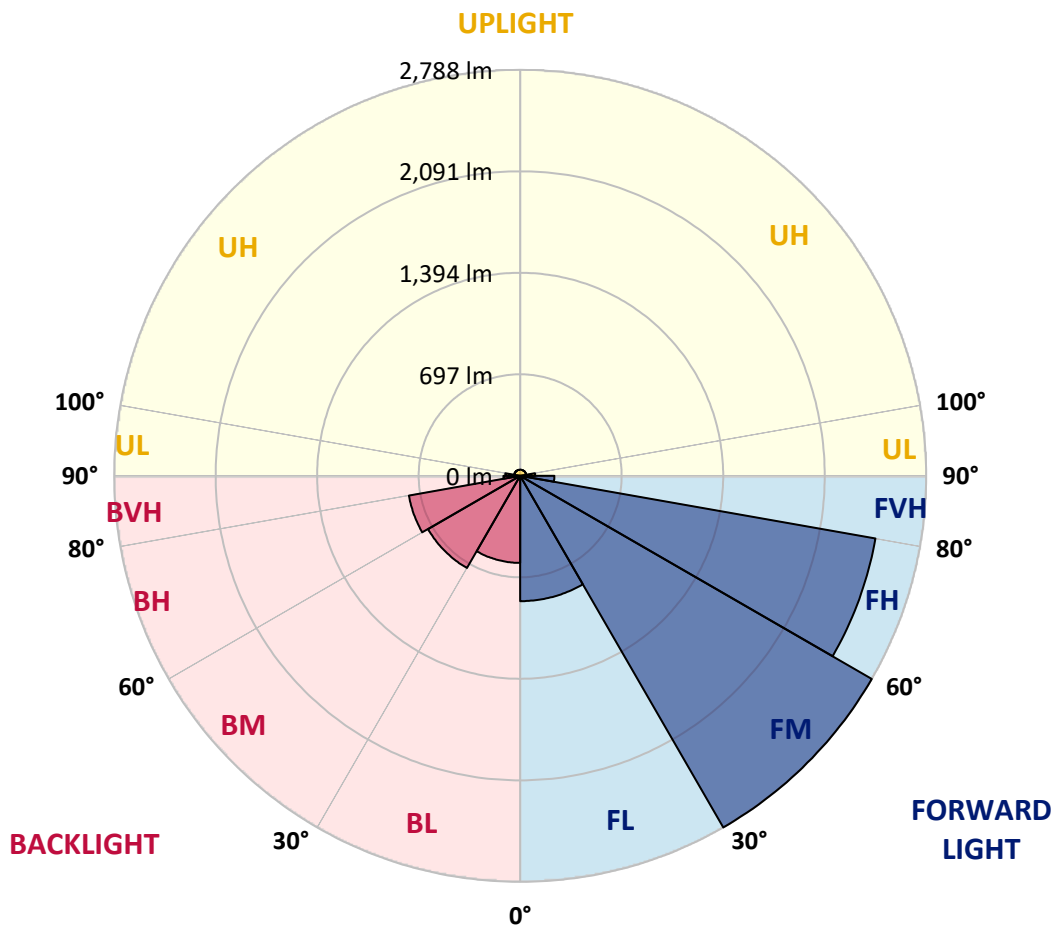
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	861.0	9.9			
FM	(30°-60°)	2788.3	31.9			
FH	(60°-80°)	2477.4	28.4			G2/5000
FVH	(80°-90°)	235.1	2.7			G3/500
BL	(0°-30°)	598.0	6.9	B2/1000		
BM	(30°-60°)	731.0	8.4	B1/1000		
BH	(60°-80°)	776.2	8.9	B2/1000		G2/1000
BVH	(80°-90°)	114.9	1.3			G2/225
UL	(90°-100°)	103.0	1.2		U3/500	
UH	(100°-180°)	42.0	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9
2.5°	1588.1	1588.1	1584.8	1588.1	1594.8	1601.5	1594.8	1598.2	1601.5	1608.2	1611.5
5°	1648.3	1645.0	1638.3	1631.6	1624.9	1624.9	1618.2	1614.9	1621.6	1641.6	1648.3
7.5°	1698.5	1688.4	1681.8	1685.1	1675.1	1658.4	1645.0	1638.3	1631.6	1658.4	1668.4
10°	1778.7	1772.0	1748.6	1728.6	1715.2	1688.4	1658.4	1655.0	1651.7	1678.4	1685.1
12.5°	1859.0	1852.3	1838.9	1818.8	1775.4	1752.0	1705.2	1685.1	1681.8	1698.5	1685.1
15°	1976.0	1962.6	1925.8	1905.8	1862.3	1825.5	1768.7	1738.6	1745.3	1721.9	1715.2
17.5°	2042.9	2036.2	2032.8	2002.7	1969.3	1905.8	1852.3	1808.8	1822.2	1768.7	1748.6
20°	2116.4	2113.1	2119.8	2123.1	2079.6	2022.8	1955.9	1889.1	1892.4	1822.2	1782.1
22.5°	2210.0	2200.0	2213.4	2230.1	2193.3	2146.5	2059.6	2006.1	1979.3	1885.7	1838.9
25°	2320.4	2317.0	2317.0	2347.1	2340.4	2276.9	2193.3	2133.1	2106.4	1979.3	1909.1
27.5°	2434.0	2437.4	2444.1	2464.1	2474.2	2437.4	2357.1	2303.6	2253.5	2086.3	2016.1
30°	2507.6	2507.6	2554.4	2584.5	2597.9	2597.9	2500.9	2460.8	2410.6	2223.4	2136.5
32.5°	2597.9	2604.6	2648.0	2698.2	2718.2	2745.0	2664.7	2634.6	2591.2	2393.9	2313.7
35°	2661.4	2671.4	2738.3	2815.2	2868.7	2882.1	2835.3	2848.6	2828.6	2617.9	2574.5
37.5°	2383.9	2410.6	2510.9	2661.4	2805.2	2945.6	2995.7	3062.6	3072.6	2828.6	2724.9
40°	2076.3	2086.3	2200.0	2310.3	2487.5	2601.2	2728.3	2875.4	2795.1	2531.0	2510.9
42.5°	1842.2	1885.7	2042.9	2126.4	2263.5	2290.3	2226.7	2133.1	1989.4	1966.0	1955.9
45°	1802.1	1845.6	2002.7	2139.8	2206.7	1879.0	1701.8	1578.1	1635.0	1775.4	1758.7
47.5°	1989.4	2042.9	2206.7	2363.8	2226.7	1862.3	1745.3	1741.9	1695.1	1935.9	1979.3
50°	2103.0	2146.5	2337.1	2333.7	2223.4	2046.2	2109.7	2039.5	1955.9	2367.2	2611.2
52.5°	2159.9	2200.0	2266.9	2350.5	2360.5	2347.1	2363.8	2307.0	2179.9	2748.3	2932.2
55°	2002.7	2103.0	2393.9	2537.7	2597.9	2561.1	2571.1	2531.0	2447.4	2985.7	3266.6
57.5°	2507.6	2561.1	2668.1	2704.9	2741.6	2724.9	2738.3	2724.9	2648.0	3162.9	3437.1
60°	2798.5	2798.5	2845.3	2785.1	2805.2	2862.0	2902.1	2902.1	2821.9	3293.3	3507.3
62.5°	3109.4	3082.7	2902.1	2808.5	2831.9	2959.0	3019.1	3012.5	2928.9	3313.4	3524.0
65°	3049.2	3002.4	2938.9	2735.0	2761.7	2938.9	3022.5	3019.1	2932.2	3239.8	3470.5
67.5°	2601.2	2644.7	2721.6	2704.9	2638.0	2841.9	2972.3	2979.0	2878.7	3116.1	3373.6
70°	2253.5	2280.2	2327.0	2467.5	2497.6	2708.2	2915.5	2945.6	2811.9	2972.3	3236.5
72.5°	1962.6	1979.3	1942.6	2086.3	2193.3	2470.8	2714.9	2771.7	2634.6	2724.9	3005.8
75°	1678.4	1641.6	1598.2	1661.7	1745.3	2039.5	2337.1	2450.8	2330.4	2387.2	2664.7
77.5°	1304.0	1250.5	1207.0	1223.7	1300.6	1554.7	1842.2	2022.8	1915.8	1912.5	2133.1
80°	889.4	842.6	812.5	805.8	862.6	1019.8	1227.1	1441.0	1347.4	1257.1	1354.1
82.5°	555.0	555.0	528.3	488.1	484.8	514.9	555.0	608.5	575.1	561.7	591.8
85°	347.7	351.1	337.7	294.2	284.2	290.9	310.9	324.3	314.3	324.3	334.3
87.5°	244.1	240.7	224.0	217.3	214.0	224.0	240.7	247.4	247.4	257.4	257.4
90°	183.9	183.9	173.9	170.5	170.5	180.5	197.3	210.6	220.7	237.4	237.4
92.5°	153.8	153.8	147.1	143.8	143.8	147.1	160.5	177.2	187.2	204.0	197.3
95°	127.1	127.1	123.7	123.7	123.7	127.1	133.7	143.8	147.1	147.1	147.1
97.5°	100.3	97.0	93.6	93.6	93.6	97.0	100.3	110.3	113.7	103.6	103.6
100°	70.2	66.9	63.5	66.9	66.9	66.9	70.2	73.6	73.6	66.9	63.5
102.5°	43.5	43.5	43.5	43.5	40.1	40.1	40.1	40.1	36.8	33.4	33.4
105°	30.1	30.1	26.7	26.7	26.7	26.7	23.4	23.4	23.4	20.1	20.1
107.5°	23.4	23.4	23.4	23.4	23.4	20.1	20.1	20.1	20.1	16.7	16.7
110°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	16.7	16.7	13.4	13.4

REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	20.1	20.1	20.1	20.1	20.1	16.7	16.7	16.7	16.7	13.4	13.4
115°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.4	13.4
117.5°	16.7	16.7	16.7	16.7	16.7	16.7	13.4	13.4	13.4	16.7	13.4
120°	16.7	16.7	16.7	16.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4
122.5°	16.7	16.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
125°	13.4	13.4	13.4	13.4	10.0	10.0	10.0	10.0	10.0	10.0	10.0
127.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
130°	10.0	10.0	10.0	10.0	10.0	10.0	6.7	6.7	6.7	6.7	6.7
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: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9	1604.9
2.5°	1611.5	1618.2	1631.6	1648.3	1661.7	1671.7	1678.4	1685.1	1685.1	1678.4	1685.1
5°	1648.3	1655.0	1678.4	1695.1	1695.1	1685.1	1678.4	1675.1	1681.8	1685.1	1691.8
7.5°	1678.4	1685.1	1675.1	1681.8	1688.4	1678.4	1665.0	1655.0	1645.0	1635.0	1641.6
10°	1681.8	1665.0	1665.0	1658.4	1635.0	1638.3	1635.0	1618.2	1604.9	1608.2	1611.5
12.5°	1678.4	1671.7	1645.0	1631.6	1621.6	1588.1	1574.8	1584.8	1564.7	1574.8	1561.4
15°	1708.5	1675.1	1648.3	1614.9	1578.1	1561.4	1538.0	1504.6	1491.2	1494.5	1497.9
17.5°	1728.6	1695.1	1631.6	1571.4	1551.4	1497.9	1471.1	1454.4	1431.0	1434.3	1447.7
20°	1762.0	1711.9	1621.6	1558.1	1461.1	1424.3	1390.9	1370.8	1350.8	1320.7	1307.3
22.5°	1808.8	1745.3	1608.2	1491.2	1407.6	1344.1	1270.5	1220.4	1193.6	1173.6	1170.2
25°	1869.0	1795.4	1611.5	1461.1	1327.4	1233.7	1170.2	1083.3	1019.8	1013.1	1023.1
27.5°	1979.3	1852.3	1631.6	1414.3	1260.5	1116.7	999.7	939.5	866.0	849.2	849.2
30°	2086.3	1942.6	1618.2	1374.2	1146.8	986.3	829.2	715.5	675.4	645.3	641.9
32.5°	2283.6	2069.6	1688.4	1314.0	1043.2	792.4	618.5	494.8	468.1	458.1	454.7
35°	2464.1	2243.5	1695.1	1237.1	889.4	615.2	444.7	361.1	344.4	334.3	331.0
37.5°	2658.1	2410.6	1762.0	1173.6	738.9	434.7	321.0	257.4	237.4	224.0	217.3
40°	2434.0	2210.0	1731.9	1066.6	548.3	277.5	200.6	140.4	120.4	120.4	120.4
42.5°	1905.8	1678.4	1310.6	862.6	321.0	160.5	100.3	97.0	100.3	103.6	103.6
45°	1688.4	1390.9	802.4	458.1	133.7	90.3	80.2	76.9	86.9	97.0	100.3
47.5°	1986.0	1655.0	618.5	321.0	143.8	90.3	73.6	73.6	70.2	63.5	63.5
50°	2684.8	2233.4	708.8	367.8	180.5	100.3	73.6	63.5	63.5	66.9	70.2
52.5°	3029.2	2487.5	835.9	478.1	264.1	137.1	80.2	63.5	56.8	46.8	46.8
55°	3326.7	2688.1	989.7	618.5	387.8	214.0	113.7	66.9	56.8	46.8	43.5
57.5°	3423.7	2711.5	1153.5	779.0	528.3	334.3	197.3	93.6	60.2	50.2	46.8
60°	3437.1	2738.3	1277.2	949.5	688.8	488.1	324.3	170.5	76.9	60.2	56.8
62.5°	3453.8	2745.0	1370.8	1073.3	849.2	662.0	468.1	270.8	117.0	70.2	66.9
65°	3393.6	2664.7	1347.4	1046.5	896.0	732.2	538.3	317.6	133.7	80.2	76.9
67.5°	3293.3	2594.5	1250.5	962.9	809.1	638.6	461.4	257.4	123.7	93.6	90.3
70°	3213.1	2524.3	1200.3	956.2	748.9	558.4	371.1	187.2	147.1	127.1	120.4
72.5°	3015.8	2357.1	1160.2	952.9	748.9	545.0	361.1	200.6	200.6	204.0	190.6
75°	2684.8	2106.4	1100.0	926.1	732.2	541.6	347.7	217.3	217.3	193.9	183.9
77.5°	2216.7	1725.2	972.9	845.9	665.3	478.1	284.2	180.5	173.9	150.5	143.8
80°	1467.8	1237.1	775.7	698.8	548.3	384.5	210.6	140.4	130.4	110.3	103.6
82.5°	658.7	591.8	491.5	494.8	394.5	274.2	143.8	97.0	90.3	73.6	70.2
85°	361.1	341.0	267.5	234.0	200.6	143.8	83.6	63.5	53.5	40.1	40.1
87.5°	274.2	264.1	197.3	153.8	117.0	83.6	53.5	40.1	30.1	20.1	16.7
90°	250.8	237.4	160.5	123.7	93.6	66.9	43.5	26.7	20.1	13.4	10.0
92.5°	210.6	200.6	130.4	103.6	80.2	60.2	36.8	20.1	13.4	6.7	6.7
95°	153.8	150.5	97.0	80.2	63.5	50.2	30.1	16.7	10.0	6.7	3.3
97.5°	103.6	100.3	70.2	60.2	50.2	36.8	23.4	13.4	6.7	3.3	3.3
100°	63.5	63.5	43.5	40.1	33.4	26.7	16.7	10.0	6.7	3.3	3.3
102.5°	33.4	30.1	23.4	23.4	20.1	16.7	13.4	6.7	3.3	0.0	0.0
105°	20.1	16.7	16.7	13.4	13.4	10.0	10.0	6.7	3.3	0.0	0.0
107.5°	16.7	13.4	13.4	10.0	10.0	6.7	6.7	3.3	3.3	0.0	0.0
110°	13.4	13.4	10.0	10.0	6.7	6.7	6.7	3.3	0.0	0.0	0.0

REPORT NUMBER: P691791

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.4	10.0	10.0	6.7	6.7	6.7	3.3	3.3	0.0	0.0	0.0
115°	13.4	10.0	6.7	6.7	6.7	3.3	3.3	3.3	0.0	0.0	0.0
117.5°	13.4	10.0	6.7	6.7	6.7	3.3	3.3	3.3	0.0	0.0	0.0
120°	13.4	10.0	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0
122.5°	13.4	10.0	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0
125°	10.0	6.7	6.7	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0
127.5°	10.0	6.7	6.7	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0
130°	6.7	6.7	6.7	3.3	3.3	3.3	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)