

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: P690923

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7053 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
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



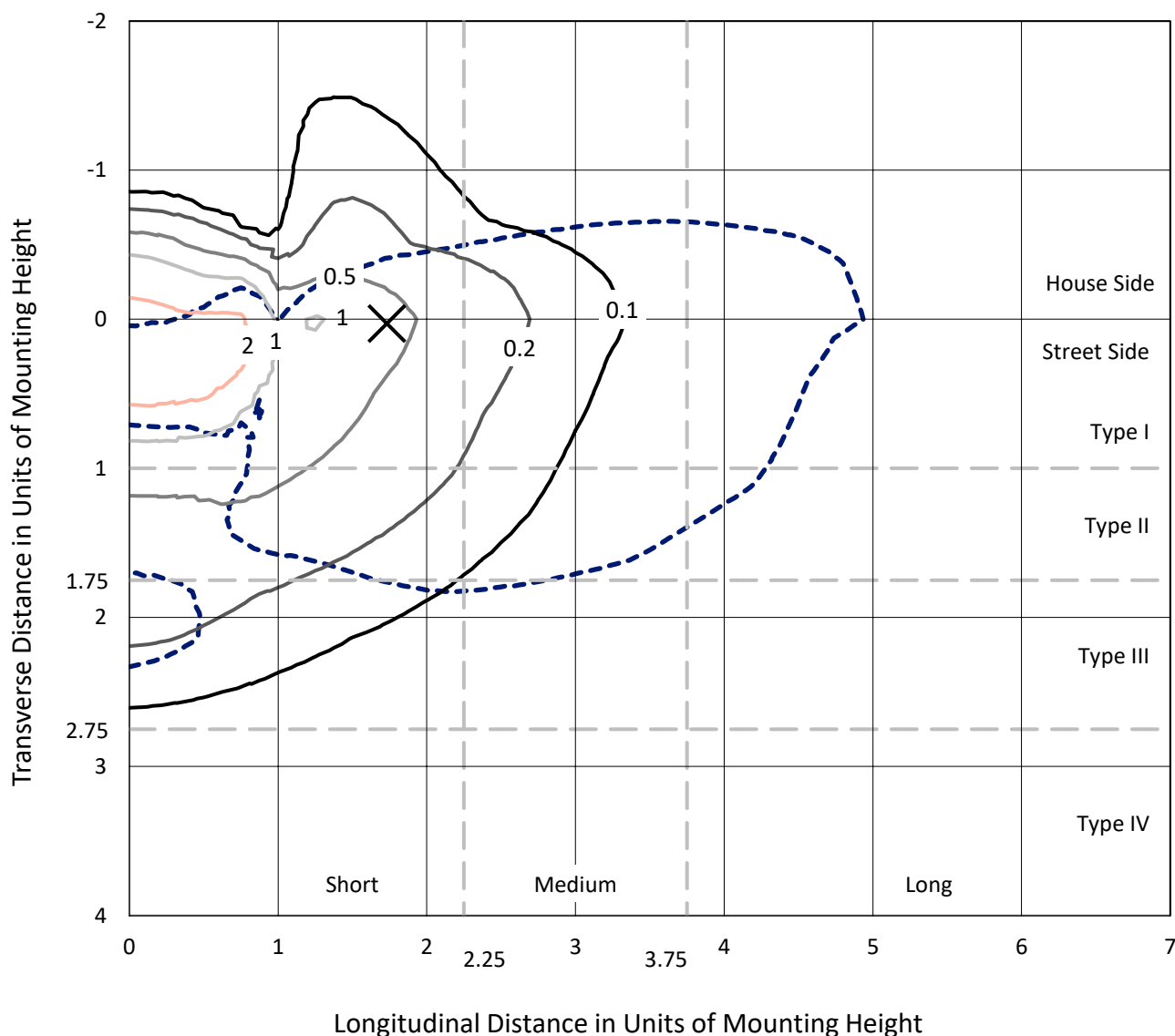
REPORT NUMBER: P690923

CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



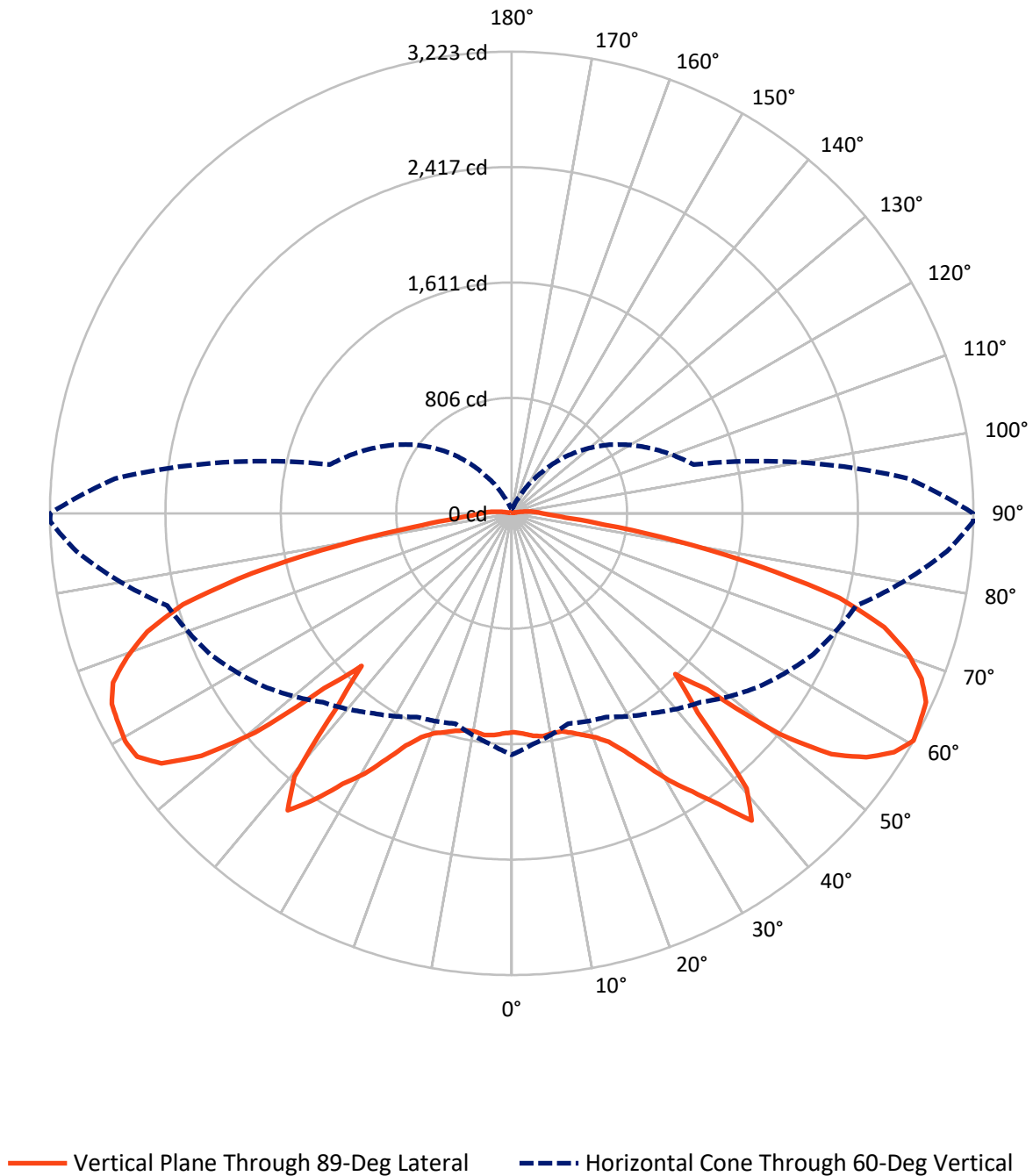
Based on 25 foot mounting height. Maximum calculated value = 2.7 fc

Type III - Short - N/A

REPORT NUMBER: P690923

CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



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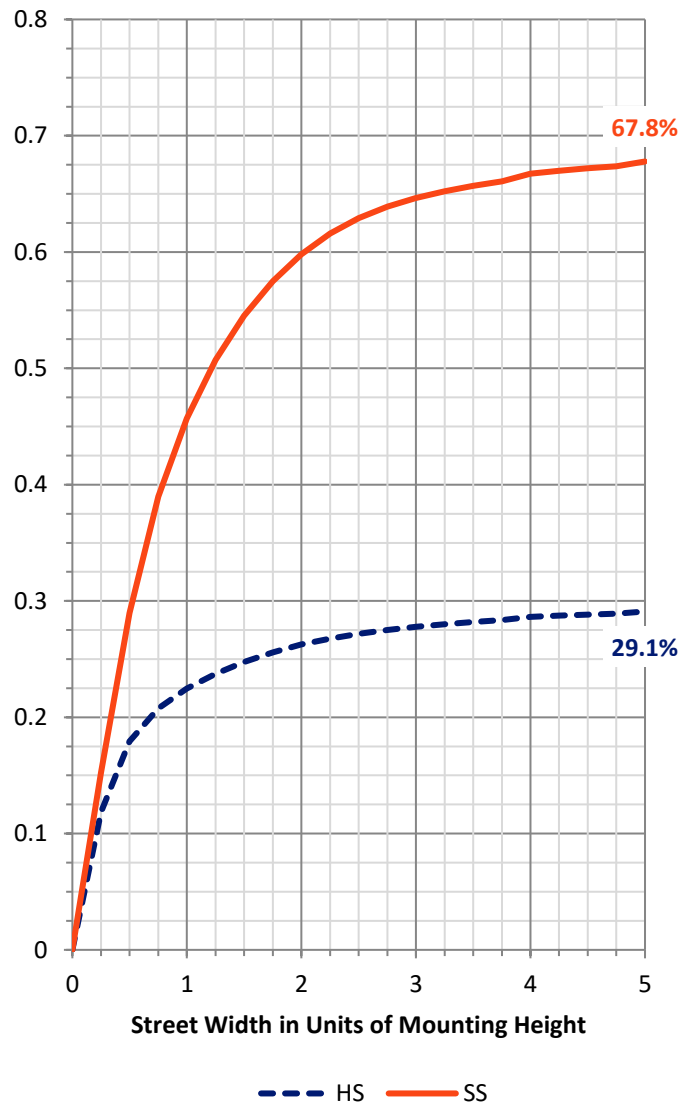
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2093.8	39.3	2133.1
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4844.1	75.8	4919.9
	% Fixture	68.7	1.1	69.8
Total	Lumens	6937.9	115.1	7053.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	2.1
10°-20°	433.8	6.2
20°-30°	716.0	10.2
30°-40°	971.3	13.8
40°-50°	809.1	11.5
50°-60°	1120.4	15.9
60°-70°	1381.0	19.6
70°-80°	1045.6	14.8
80°-90°	313.8	4.4
90°-100°	81.3	1.2
100°-110°	18.6	0.3
110°-120°	8.7	0.1
120°-130°	5.9	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°	6937.9	98.4
0°-180°	7053.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690923

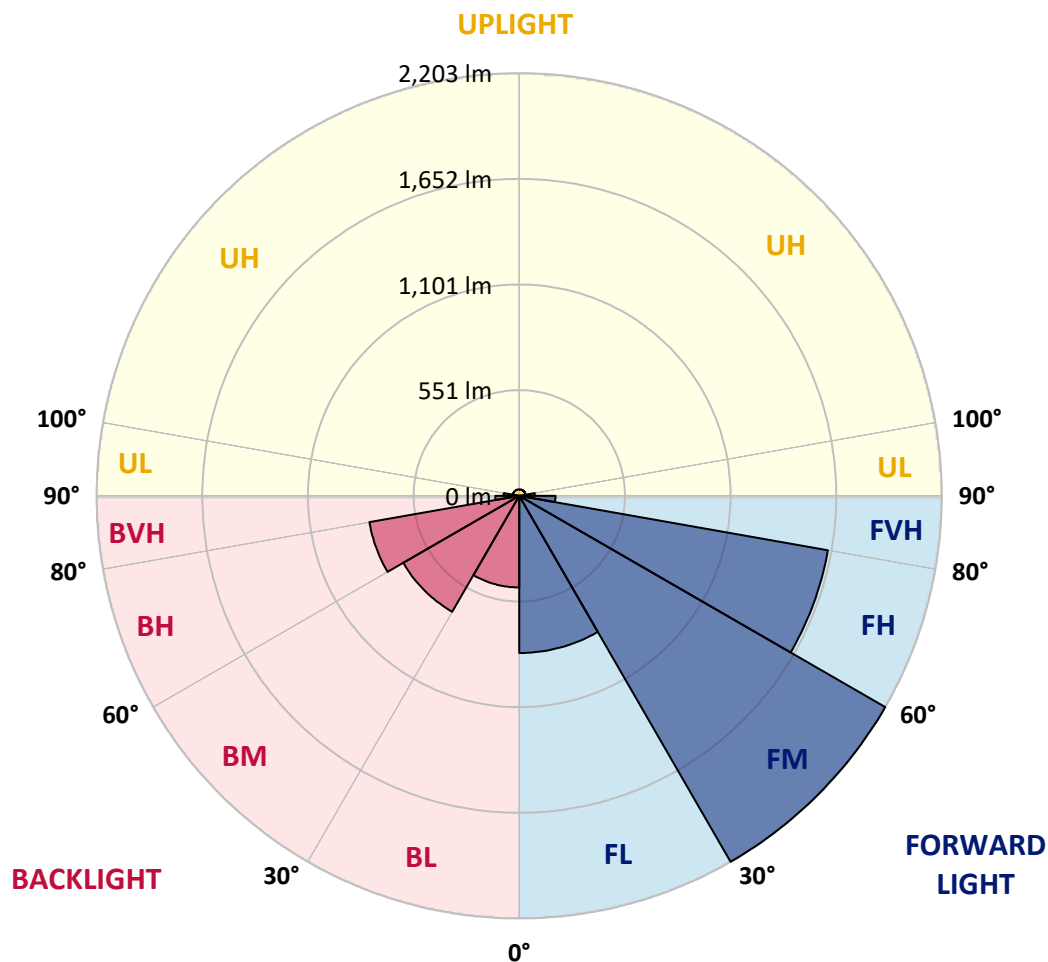
CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	819.2	11.6			
FM	(30°-60°)	2202.7	31.2			
FH	(60°-80°)	1633.5	23.2			G1/1800
FVH	(80°-90°)	188.7	2.7			G2/225
BL	(0°-30°)	477.6	6.8	B1/500		
BM	(30°-60°)	698.1	9.9	B1/1000		
BH	(60°-80°)	793.1	11.2	B2/1000		G2/1000
BVH	(80°-90°)	125.1	1.8			G2/225
UL	(90°-100°)	81.3	1.2		U3/500	
UH	(100°-180°)	33.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



REPORT NUMBER: P690923

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7
2.5°	1604.3	1595.9	1595.9	1595.9	1579.1	1579.1	1567.9	1562.3	1551.1	1542.7	1539.9
5°	1696.6	1691.1	1691.1	1688.3	1671.5	1660.3	1637.9	1618.3	1601.5	1573.5	1559.5
7.5°	1769.4	1761.0	1761.0	1758.2	1741.4	1727.4	1702.2	1657.5	1623.9	1593.1	1570.7
10°	1794.6	1791.8	1789.0	1780.6	1766.6	1755.4	1733.0	1691.1	1637.9	1587.5	1559.5
12.5°	1842.2	1842.2	1833.8	1822.6	1811.4	1800.2	1769.4	1735.8	1677.1	1598.7	1562.3
15°	1903.8	1898.2	1892.6	1887.0	1878.6	1861.8	1833.8	1791.8	1724.6	1629.5	1590.3
17.5°	1929.0	1926.2	1926.2	1929.0	1926.2	1915.0	1909.4	1861.8	1791.8	1671.5	1626.7
20°	1934.6	1937.4	1943.0	1962.6	1968.2	1962.6	1971.0	1943.0	1861.8	1727.4	1668.7
22.5°	1968.2	1973.8	1985.0	2004.6	2013.0	2021.4	2029.8	2052.2	1971.0	1814.2	1733.0
25°	1954.2	1959.8	1993.4	2024.2	2055.0	2080.2	2133.4	2183.8	2125.0	1943.0	1839.4
27.5°	1917.8	1929.0	1987.8	2049.4	2125.0	2192.2	2290.2	2351.8	2304.2	2105.4	1987.8
30°	1948.6	1948.6	1987.8	2077.4	2175.4	2326.6	2455.4	2525.4	2491.8	2262.2	2161.4
32.5°	1884.2	1901.0	1982.2	2116.6	2267.8	2461.0	2587.0	2710.2	2721.4	2472.2	2315.4
35°	1685.5	1713.4	1780.6	1959.8	2192.2	2528.2	2749.4	2914.5	2967.7	2724.2	2494.6
37.5°	1388.7	1408.3	1525.9	1705.0	1982.2	2304.2	2659.8	3034.9	3183.3	2886.5	2721.4
40°	1229.1	1243.1	1313.1	1461.5	1716.2	2027.0	2307.0	2668.2	2749.4	2634.6	2525.4
42.5°	1175.9	1198.3	1285.1	1422.3	1629.5	1847.8	1892.6	2027.0	1985.0	1999.0	1903.8
45°	1248.7	1257.1	1321.5	1441.9	1567.9	1626.7	1567.9	1660.3	1705.0	1696.6	1601.5
47.5°	1285.1	1299.1	1369.1	1523.1	1523.1	1525.9	1598.7	1654.7	1783.4	1903.8	1836.6
50°	1103.1	1122.7	1251.5	1374.7	1394.3	1626.7	1817.0	1926.2	2060.6	2382.6	2421.8
52.5°	1038.7	1052.7	1192.7	1439.1	1581.9	1819.8	1937.4	2038.2	2153.0	2685.0	2794.2
55°	1136.7	1161.9	1327.1	1581.9	1738.6	1881.4	2032.6	2178.2	2301.4	2922.9	3004.1
57.5°	1313.1	1360.7	1461.5	1604.3	1752.6	1881.4	2083.0	2262.2	2424.6	3015.3	3146.9
60°	1685.5	1621.1	1520.3	1567.9	1702.2	1864.6	2108.2	2323.8	2489.0	3048.9	3222.5
62.5°	1859.0	1811.4	1565.1	1500.7	1618.3	1805.8	2060.6	2323.8	2466.6	2984.5	3200.1
65°	1797.4	1758.2	1581.9	1422.3	1514.7	1724.6	1987.8	2290.2	2416.2	2903.3	3177.7
67.5°	1531.5	1492.3	1436.3	1377.5	1416.7	1643.5	1920.6	2228.6	2360.2	2836.1	3085.3
70°	1245.9	1223.5	1203.9	1248.7	1321.5	1520.3	1786.2	2091.4	2248.2	2673.8	2934.1
72.5°	1061.1	1047.1	1013.5	1058.3	1173.1	1355.1	1584.7	1889.8	2077.4	2399.4	2718.6
75°	901.5	893.1	881.9	904.3	977.1	1147.9	1329.9	1629.5	1856.2	2094.2	2363.0
77.5°	730.7	719.5	744.7	750.3	806.3	929.5	1047.1	1296.3	1548.3	1643.5	1763.8
80°	532.0	543.2	585.1	568.3	610.3	652.3	736.3	845.5	1044.3	1150.7	1159.1
82.5°	372.4	383.6	422.8	380.8	392.0	394.8	425.6	464.8	546.0	635.5	646.7
85°	263.2	268.8	277.2	246.4	246.4	246.4	266.0	288.4	330.4	366.8	375.2
87.5°	187.6	187.6	198.8	187.6	184.8	182.0	193.2	201.6	226.8	252.0	257.6
90°	140.0	140.0	145.6	140.0	140.0	140.0	151.2	159.6	182.0	204.4	207.2
92.5°	100.8	100.8	109.2	106.4	106.4	109.2	120.4	126.0	145.6	168.0	170.8
95°	78.4	78.4	84.0	81.2	81.2	86.8	95.2	100.8	114.8	126.0	128.8
97.5°	56.0	56.0	58.8	58.8	58.8	58.8	64.4	72.8	89.6	89.6	86.8
100°	39.2	39.2	42.0	39.2	39.2	42.0	42.0	47.6	56.0	53.2	53.2
102.5°	28.0	28.0	28.0	28.0	28.0	25.2	25.2	28.0	30.8	28.0	28.0
105°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	16.8
107.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	14.0	14.0
110°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2



REPORT NUMBER: P690923

CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
115°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2
117.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
120°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
122.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
125°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2	8.4
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
130°	8.4	5.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	5.6
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: P690923

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7	1528.7
2.5°	1537.1	1531.5	1514.7	1495.1	1478.3	1464.3	1450.3	1439.1	1436.3	1430.7	1436.3
5°	1556.7	1537.1	1497.9	1472.7	1450.3	1427.9	1405.5	1394.3	1385.9	1380.3	1380.3
7.5°	1565.1	1537.1	1492.3	1458.7	1411.1	1363.5	1335.5	1313.1	1304.7	1313.1	1313.1
10°	1551.1	1517.5	1464.3	1413.9	1349.5	1310.3	1271.1	1251.5	1240.3	1240.3	1231.9
12.5°	1556.7	1517.5	1439.1	1363.5	1310.3	1240.3	1192.7	1170.3	1153.5	1159.1	1159.1
15°	1579.1	1525.9	1416.7	1341.1	1248.7	1192.7	1133.9	1119.9	1117.1	1108.7	1103.1
17.5°	1612.7	1534.3	1411.1	1290.7	1195.5	1128.3	1072.3	1047.1	1033.1	1024.7	1021.9
20°	1649.1	1545.5	1394.3	1243.1	1139.5	1052.7	985.5	951.9	940.7	940.7	935.1
22.5°	1710.6	1584.7	1380.3	1220.7	1063.9	977.1	909.9	862.3	839.9	837.1	834.3
25°	1811.4	1660.3	1394.3	1170.3	1019.1	890.3	814.7	772.7	747.5	739.1	739.1
27.5°	1965.4	1763.8	1413.9	1142.3	926.7	809.1	725.1	660.7	624.3	627.1	629.9
30°	2130.6	1917.8	1469.9	1097.5	867.9	694.3	593.5	543.2	509.6	498.4	492.8
32.5°	2265.0	2077.4	1551.1	1061.1	758.7	554.4	467.6	431.2	394.8	364.0	352.8
35°	2472.2	2211.8	1621.1	1007.9	669.1	453.6	378.0	322.0	291.2	277.2	271.6
37.5°	2659.8	2343.4	1674.3	996.7	543.2	389.2	299.6	240.8	210.0	207.2	207.2
40°	2433.0	2178.2	1635.1	907.1	428.4	302.4	215.6	170.8	148.4	137.2	137.2
42.5°	1861.8	1668.7	1245.9	755.9	308.0	204.4	137.2	128.8	126.0	114.8	114.8
45°	1559.5	1231.9	755.9	394.8	145.6	112.0	98.0	98.0	100.8	109.2	109.2
47.5°	1873.0	1455.9	557.2	282.8	142.8	98.0	86.8	78.4	72.8	70.0	70.0
50°	2424.6	2071.8	711.1	336.0	170.8	100.8	78.4	70.0	67.2	64.4	58.8
52.5°	2827.7	2427.4	937.9	512.4	274.4	128.8	78.4	58.8	44.8	39.2	36.4
55°	3071.3	2738.2	1105.9	736.3	445.2	215.6	98.0	53.2	39.2	33.6	30.8
57.5°	3202.9	2774.6	1245.9	937.9	655.1	383.6	170.8	64.4	39.2	30.8	30.8
60°	3219.7	2780.2	1313.1	1072.3	834.3	582.3	324.8	126.0	50.4	36.4	33.6
62.5°	3205.7	2732.6	1329.9	1125.5	943.5	744.7	512.4	249.2	78.4	42.0	39.2
65°	3180.5	2735.4	1254.3	1077.9	943.5	797.9	593.5	327.6	112.0	47.6	44.8
67.5°	3096.5	2727.0	1212.3	974.3	853.9	713.9	532.0	305.2	128.8	58.8	56.0
70°	2925.7	2626.2	1187.1	932.3	800.7	635.5	448.0	243.6	145.6	100.8	109.2
72.5°	2732.6	2444.2	1161.9	895.9	781.1	632.7	450.8	263.2	196.0	165.2	176.4
75°	2444.2	2127.8	1117.1	859.5	769.9	652.3	456.4	249.2	184.8	148.4	145.6
77.5°	1881.4	1769.4	1019.1	769.9	699.9	601.9	389.2	190.4	137.2	103.6	100.8
80°	1229.1	1215.1	795.1	621.5	590.7	532.0	324.8	148.4	109.2	84.0	78.4
82.5°	694.3	666.3	495.6	392.0	417.2	431.2	263.2	112.0	84.0	67.2	61.6
85°	394.8	400.4	288.4	212.8	215.6	254.8	170.8	78.4	53.2	39.2	36.4
87.5°	271.6	280.0	187.6	142.8	128.8	120.4	89.6	47.6	30.8	19.6	14.0
90°	221.2	221.2	140.0	103.6	89.6	78.4	50.4	28.0	22.4	11.2	8.4
92.5°	179.2	187.6	117.6	84.0	70.0	61.6	39.2	19.6	14.0	8.4	5.6
95°	134.4	142.8	95.2	70.0	56.0	47.6	33.6	16.8	11.2	5.6	5.6
97.5°	92.4	92.4	67.2	53.2	44.8	36.4	25.2	14.0	8.4	5.6	5.6
100°	53.2	56.0	39.2	33.6	30.8	28.0	16.8	11.2	5.6	2.8	2.8
102.5°	28.0	28.0	19.6	19.6	16.8	16.8	14.0	8.4	5.6	2.8	2.8
105°	16.8	16.8	14.0	14.0	11.2	11.2	8.4	5.6	2.8	0.0	2.8
107.5°	14.0	14.0	11.2	11.2	8.4	8.4	5.6	5.6	2.8	0.0	0.0
110°	11.2	11.2	8.4	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0



REPORT NUMBER: P690923

CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
115°	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
117.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
120°	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0	0.0
122.5°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0
125°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
127.5°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
130°	8.4	8.4	5.6	5.6	2.8	2.8	2.8	2.8	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)