

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: P691000

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5638 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

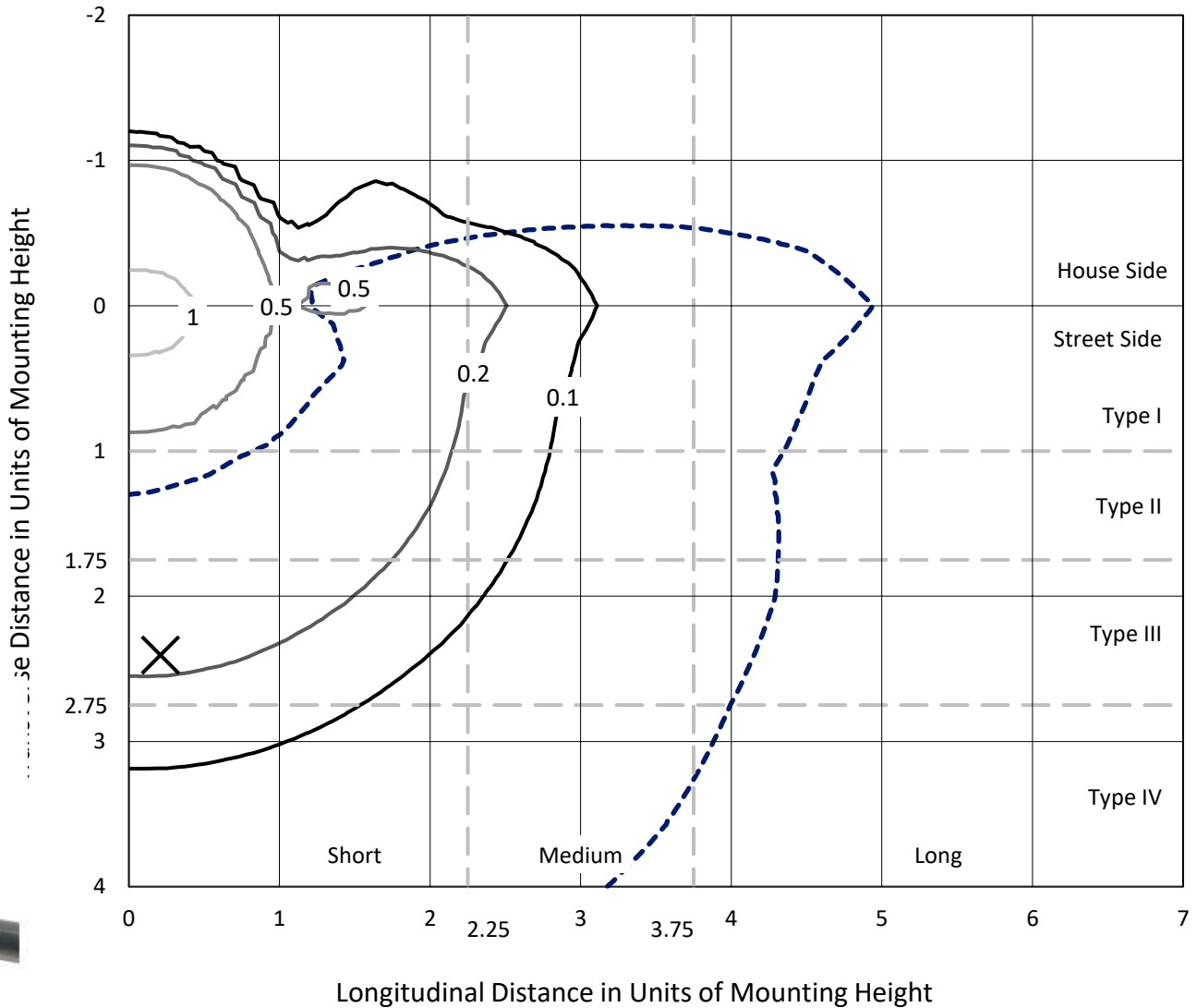
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691000
 CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

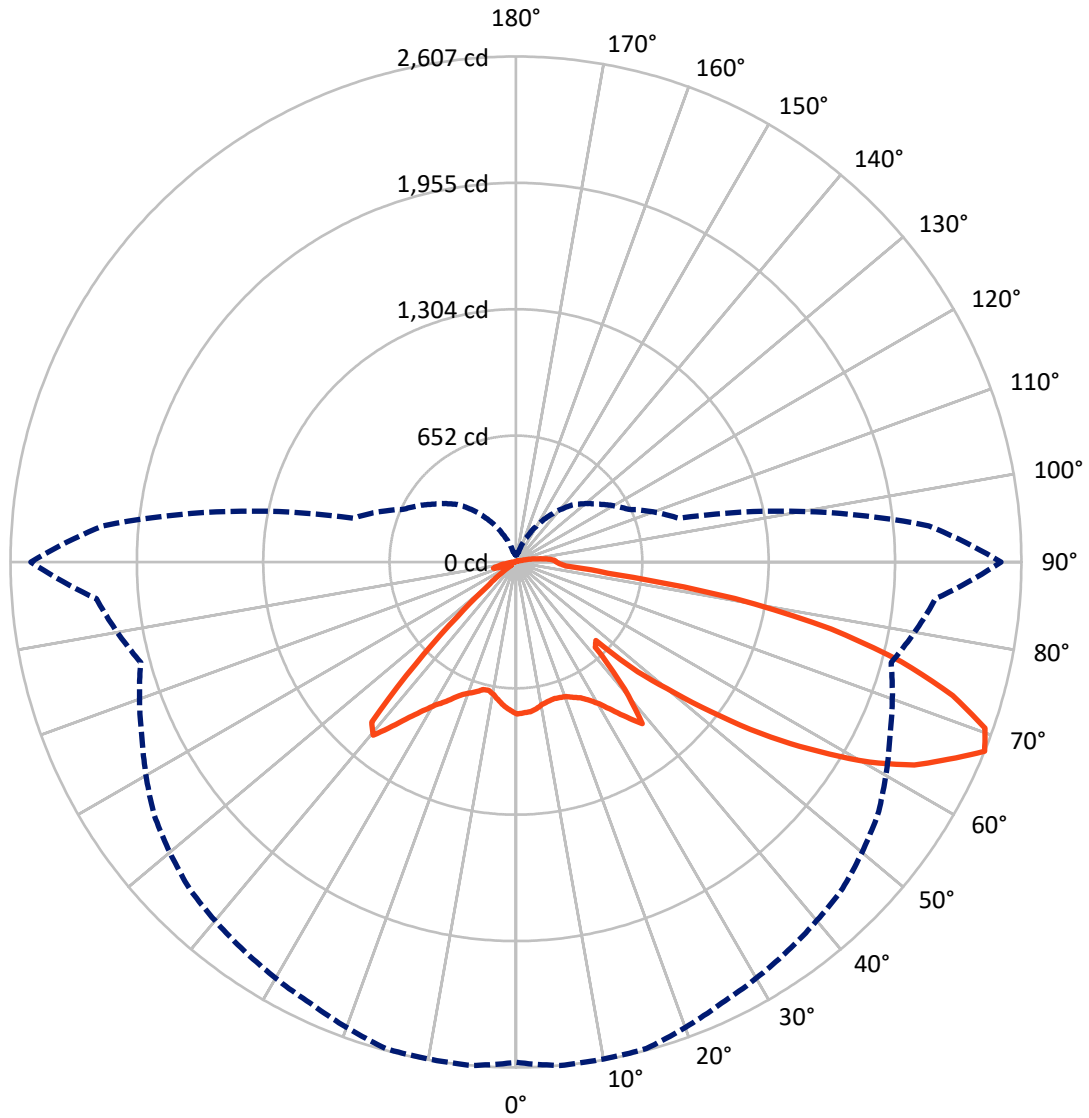
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P691000
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691000

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

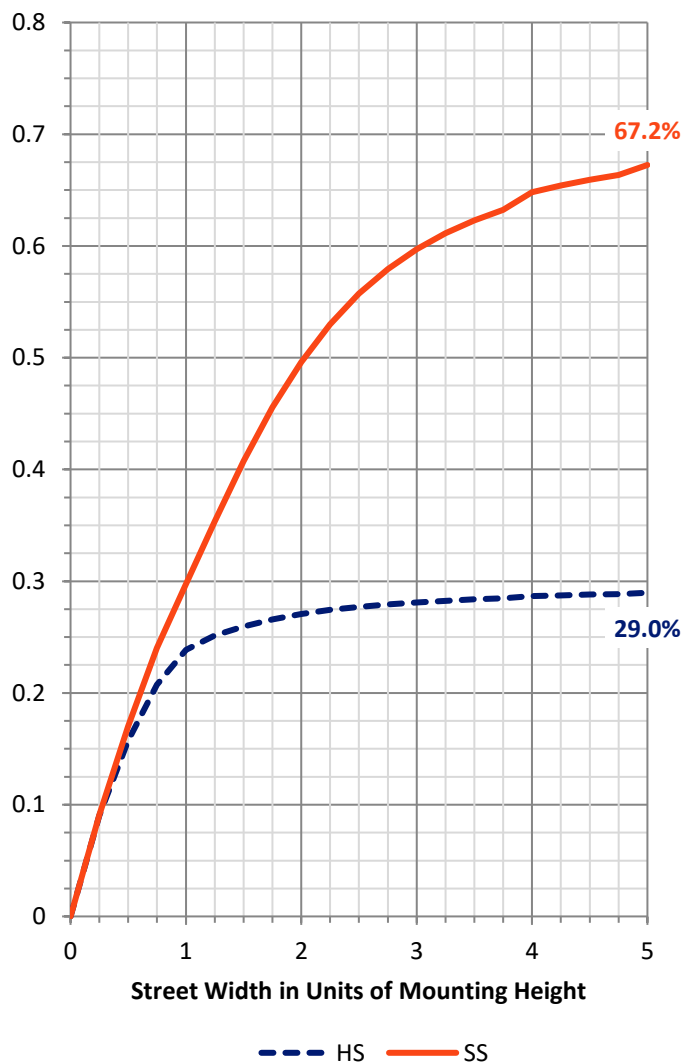
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.3	24.8	1677.2
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3863.7	97.1	3960.8
	% Fixture	68.5	1.7	70.3
Total	Lumens	5516.1	121.9	5638.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.3
10°-20°	209.2	3.7
20°-30°	371.6	6.6
30°-40°	621.5	11.0
40°-50°	567.6	10.1
50°-60°	842.5	14.9
60°-70°	1382.1	24.5
70°-80°	1186.1	21.0
80°-90°	263.1	4.7
90°-100°	88.8	1.6
100°-110°	21.9	0.4
110°-120°	7.0	0.1
120°-130°	3.9	0.1
130°-140°	0.3	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°	5516.1	97.8
0°-180°	5638.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691000

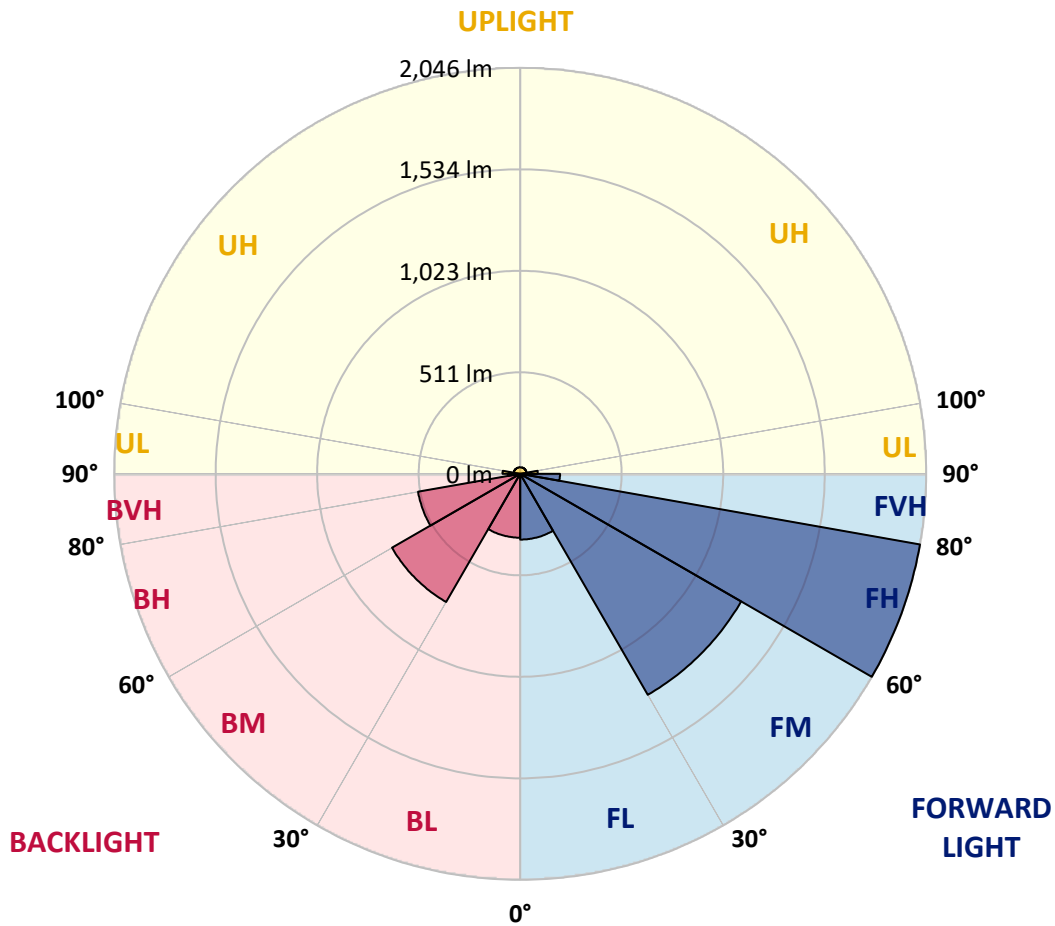
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.4	5.9			
FM (30°-60°)	1285.8	22.8			
FH (60°-80°)	2045.9	36.3			G2/5000
FVH (80°-90°)	200.6	3.6			G2/225
BL (0°-30°)	321.9	5.7	B1/500		
BM (30°-60°)	745.7	13.2	B1/1000		
BH (60°-80°)	522.3	9.3	B2/1000		G2/1000
BVH (80°-90°)	62.5	1.1			G1/100
UL (90°-100°)	88.8	1.6		U3/500	
UH (100°-180°)	33.1	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short





REPORT NUMBER: P691000

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4
2.5°	778.6	778.6	778.6	781.5	784.4	781.5	778.6	775.7	772.8	775.7	775.7
5°	775.7	775.7	778.6	778.6	781.5	784.4	781.5	778.6	775.7	775.7	775.7
7.5°	761.1	764.0	764.0	766.9	769.8	775.7	775.7	769.8	769.8	769.8	769.8
10°	746.5	746.5	749.4	752.3	755.3	761.1	761.1	755.3	758.2	761.1	761.1
12.5°	737.8	737.8	740.7	746.5	749.4	752.3	755.3	755.3	758.2	755.3	758.2
15°	731.9	731.9	731.9	740.7	749.4	752.3	758.2	761.1	764.0	764.0	764.0
17.5°	734.8	734.8	734.8	746.5	752.3	761.1	766.9	769.8	769.8	772.8	772.8
20°	740.7	740.7	743.6	752.3	764.0	772.8	778.6	781.5	781.5	787.3	787.3
22.5°	752.3	758.2	755.3	764.0	772.8	784.4	793.2	799.0	799.0	804.8	804.8
25°	778.6	775.7	778.6	787.3	796.1	804.8	810.7	819.4	822.3	828.2	828.2
27.5°	807.7	807.7	807.7	816.5	822.3	831.1	836.9	842.7	848.6	857.3	860.2
30°	851.5	848.6	845.7	854.4	860.2	869.0	874.8	877.7	877.7	883.6	889.4
32.5°	909.8	909.8	909.8	915.6	918.6	927.3	930.2	933.1	930.2	939.0	941.9
35°	982.7	982.7	985.6	991.5	1000.2	1006.0	1009.0	1006.0	1009.0	1014.8	1020.6
37.5°	1055.6	1058.5	1067.3	1076.0	1081.9	1093.5	1102.3	1102.3	1105.2	1122.7	1122.7
40°	854.4	863.2	871.9	892.3	918.6	953.6	1011.9	1035.2	1102.3	1137.3	1146.0
42.5°	580.3	600.7	624.0	650.3	670.7	673.6	729.0	761.1	828.2	892.3	909.8
45°	554.1	577.4	600.7	583.2	597.8	551.1	606.5	612.4	644.4	694.0	825.2
47.5°	813.6	845.7	877.7	834.0	842.7	740.7	761.1	737.8	664.9	746.5	965.2
50°	1061.4	1058.5	1105.2	1084.8	1108.1	997.3	1006.0	959.4	845.7	959.4	1271.4
52.5°	1300.6	1323.9	1373.5	1367.6	1385.1	1242.2	1216.0	1175.2	997.3	1172.3	1539.7
55°	1577.6	1595.1	1641.7	1627.2	1618.4	1475.5	1428.9	1388.0	1216.0	1443.4	1825.5
57.5°	1837.1	1845.9	1901.3	1851.7	1822.5	1714.6	1650.5	1583.4	1414.3	1691.3	2023.7
60°	2085.0	2096.6	2128.7	2061.7	2015.0	1930.4	1851.7	1778.8	1621.3	1912.9	2207.5
62.5°	2318.3	2306.6	2321.2	2236.6	2204.5	2128.7	2044.2	1953.8	1816.7	2087.9	2385.3
65°	2452.4	2452.4	2469.9	2362.0	2312.4	2265.8	2172.5	2067.5	1942.1	2172.5	2496.1
67.5°	2580.7	2607.0	2598.2	2510.7	2446.6	2382.4	2277.4	2128.7	2003.3	2172.5	2502.0
70°	2534.1	2566.1	2531.1	2461.2	2397.0	2321.2	2225.0	2079.1	1939.2	2067.5	2367.8
72.5°	2332.8	2356.2	2341.6	2280.4	2201.6	2152.0	2050.0	1939.2	1775.9	1886.7	2149.1
75°	2058.7	2052.9	2079.1	2009.2	1942.1	1895.4	1796.3	1726.3	1574.7	1656.3	1907.1
77.5°	1659.2	1662.2	1717.6	1638.8	1586.3	1554.3	1463.9	1405.5	1268.5	1341.4	1533.8
80°	1113.9	1146.0	1198.5	1113.9	1105.2	1061.4	985.6	947.7	842.7	877.7	979.8
82.5°	463.7	478.2	495.7	469.5	460.7	446.2	414.1	402.4	361.6	379.1	379.1
85°	259.5	256.6	265.4	265.4	259.5	247.9	236.2	215.8	198.3	195.4	180.8
87.5°	218.7	221.6	227.5	227.5	215.8	207.0	192.5	177.9	163.3	154.6	140.0
90°	204.1	207.0	210.0	201.2	189.5	180.8	169.1	157.5	145.8	140.0	125.4
92.5°	195.4	195.4	195.4	183.7	172.0	163.3	154.6	142.9	134.1	128.3	116.6
95°	163.3	160.4	157.5	151.6	140.0	131.2	125.4	113.7	107.9	102.1	96.2
97.5°	122.5	119.6	116.6	113.7	102.1	96.2	93.3	87.5	81.6	72.9	70.0
100°	87.5	84.6	84.6	81.6	75.8	70.0	67.1	61.2	55.4	49.6	46.7
102.5°	58.3	55.4	55.4	52.5	49.6	46.7	40.8	37.9	32.1	29.2	26.2
105°	32.1	32.1	32.1	29.2	29.2	26.2	23.3	20.4	17.5	17.5	14.6
107.5°	23.3	23.3	23.3	23.3	20.4	20.4	17.5	14.6	14.6	11.7	11.7
110°	17.5	17.5	17.5	17.5	17.5	14.6	14.6	11.7	11.7	8.7	8.7



REPORT NUMBER: P691000

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.6	14.6	14.6	14.6	14.6	14.6	11.7	11.7	8.7	8.7	8.7
115°	14.6	14.6	14.6	14.6	11.7	11.7	8.7	8.7	8.7	8.7	5.8
117.5°	11.7	11.7	11.7	11.7	11.7	8.7	8.7	8.7	8.7	5.8	8.7
120°	11.7	11.7	11.7	11.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
122.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8
125°	8.7	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8
127.5°	8.7	8.7	5.8	8.7	5.8	5.8	5.8	5.8	5.8	2.9	5.8
130°	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
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: P691000

CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4	784.4
2.5°	778.6	778.6	781.5	778.6	778.6	772.8	769.8	766.9	766.9	766.9
5°	775.7	775.7	772.8	766.9	764.0	758.2	752.3	749.4	746.5	749.4
7.5°	769.8	764.0	758.2	746.5	737.8	734.8	723.2	720.3	720.3	720.3
10°	758.2	752.3	737.8	723.2	717.3	708.6	699.9	691.1	694.0	696.9
12.5°	755.3	740.7	729.0	714.4	705.7	691.1	688.2	679.4	676.5	676.5
15°	758.2	746.5	731.9	720.3	708.6	702.8	691.1	688.2	679.4	685.3
17.5°	769.8	752.3	740.7	729.0	717.3	711.5	702.8	696.9	699.9	699.9
20°	781.5	764.0	752.3	743.6	731.9	723.2	720.3	714.4	717.3	711.5
22.5°	799.0	781.5	772.8	761.1	752.3	746.5	740.7	743.6	737.8	740.7
25°	822.3	807.7	796.1	787.3	778.6	772.8	772.8	772.8	769.8	772.8
27.5°	854.4	839.8	831.1	825.2	816.5	810.7	804.8	807.7	810.7	807.7
30°	883.6	866.1	863.2	857.3	851.5	848.6	848.6	848.6	848.6	854.4
32.5°	930.2	912.7	906.9	906.9	901.1	898.1	895.2	901.1	904.0	901.1
35°	1003.1	979.8	974.0	971.0	968.1	968.1	971.0	971.0	971.0	971.0
37.5°	1093.5	1061.4	1055.6	1052.7	1052.7	1052.7	1049.8	1052.7	1061.4	1064.4
40°	1134.3	1113.9	1122.7	1137.3	1146.0	1146.0	1143.1	1148.9	1157.7	1157.7
42.5°	918.6	874.8	906.9	965.2	1003.1	1049.8	1058.5	1087.7	1111.0	1111.0
45°	746.5	565.7	577.4	615.3	632.8	673.6	696.9	723.2	737.8	717.3
47.5°	839.8	364.5	300.4	312.0	268.3	323.7	361.6	402.4	411.2	419.9
50°	1318.1	376.2	253.7	183.7	122.5	163.3	172.0	195.4	189.5	192.5
52.5°	1600.9	431.6	253.7	163.3	102.1	107.9	99.1	110.8	116.6	128.3
55°	1796.3	519.1	329.5	207.0	119.6	72.9	49.6	37.9	35.0	35.0
57.5°	1889.6	635.7	428.7	294.5	186.6	102.1	43.7	32.1	29.2	26.2
60°	1977.1	761.1	542.4	402.4	294.5	180.8	81.6	32.1	26.2	26.2
62.5°	2055.8	886.5	656.1	522.0	414.1	282.9	151.6	55.4	29.2	29.2
65°	2120.0	912.7	664.9	565.7	446.2	332.4	198.3	67.1	32.1	32.1
67.5°	2137.5	869.0	641.5	519.1	417.0	282.9	154.6	55.4	37.9	35.0
70°	2020.8	825.2	644.4	492.8	376.2	250.8	102.1	64.2	49.6	46.7
72.5°	1828.4	764.0	612.4	478.2	361.6	253.7	119.6	105.0	93.3	87.5
75°	1609.7	691.1	565.7	457.8	349.9	244.9	140.0	131.2	119.6	116.6
77.5°	1291.8	574.5	475.3	387.8	294.5	195.4	116.6	110.8	96.2	96.2
80°	848.6	428.7	358.7	297.4	224.5	137.1	87.5	78.7	70.0	67.1
82.5°	347.0	250.8	215.8	186.6	145.8	87.5	58.3	49.6	40.8	37.9
85°	169.1	125.4	107.9	87.5	72.9	49.6	37.9	32.1	23.3	23.3
87.5°	137.1	99.1	81.6	67.1	49.6	35.0	26.2	20.4	14.6	11.7
90°	125.4	87.5	70.0	55.4	40.8	29.2	17.5	14.6	8.7	5.8
92.5°	113.7	75.8	61.2	43.7	32.1	23.3	11.7	8.7	5.8	5.8
95°	93.3	58.3	46.7	35.0	26.2	17.5	11.7	5.8	2.9	2.9
97.5°	67.1	43.7	35.0	26.2	20.4	11.7	8.7	5.8	2.9	2.9
100°	46.7	29.2	26.2	20.4	14.6	8.7	5.8	2.9	2.9	2.9
102.5°	23.3	17.5	17.5	14.6	11.7	8.7	2.9	2.9	0.0	0.0
105°	14.6	11.7	11.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0
107.5°	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0
110°	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0



REPORT NUMBER: P691000
 CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
115°	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
117.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)