

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: P691007

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691007
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-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 4894 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - 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

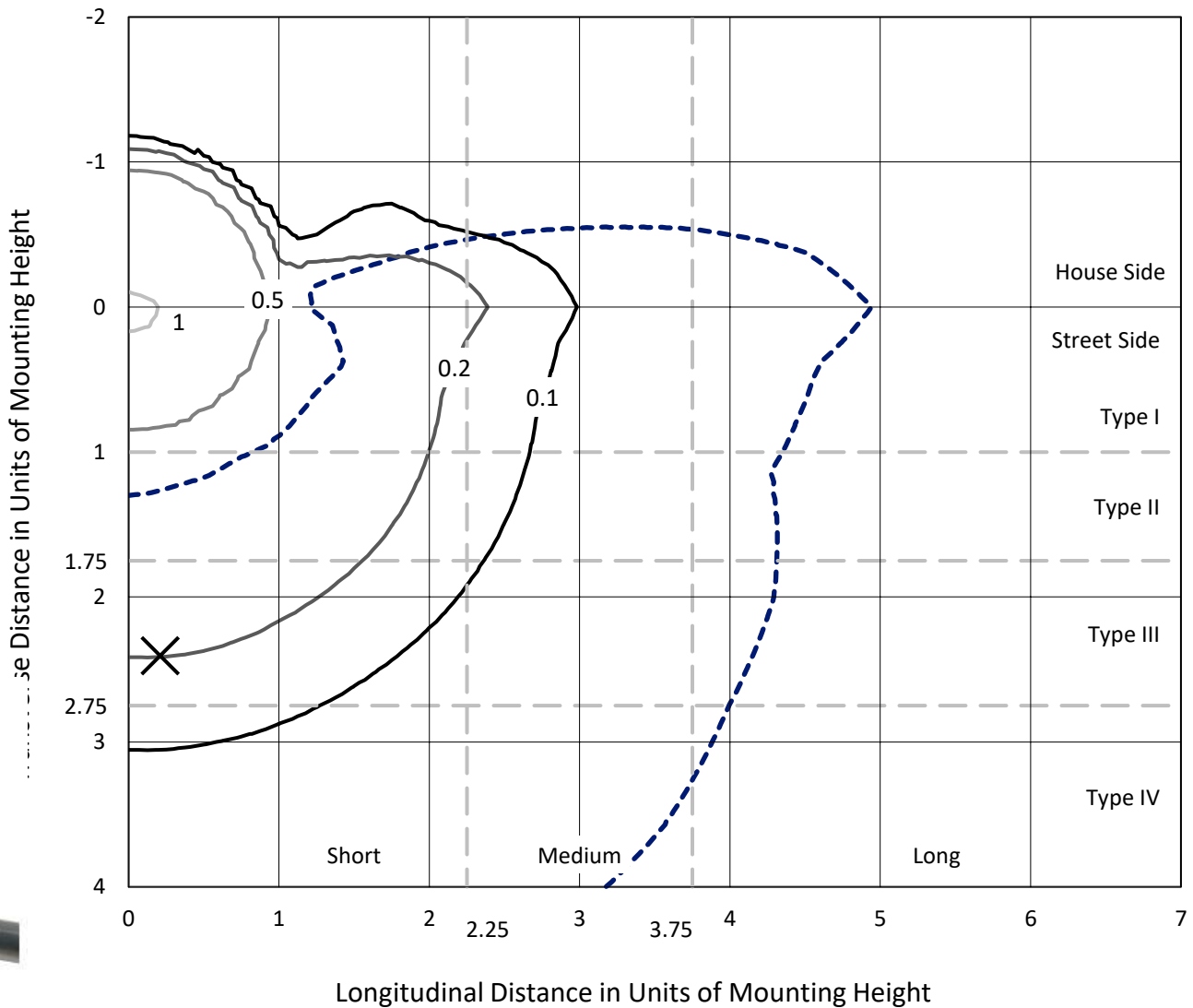


REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

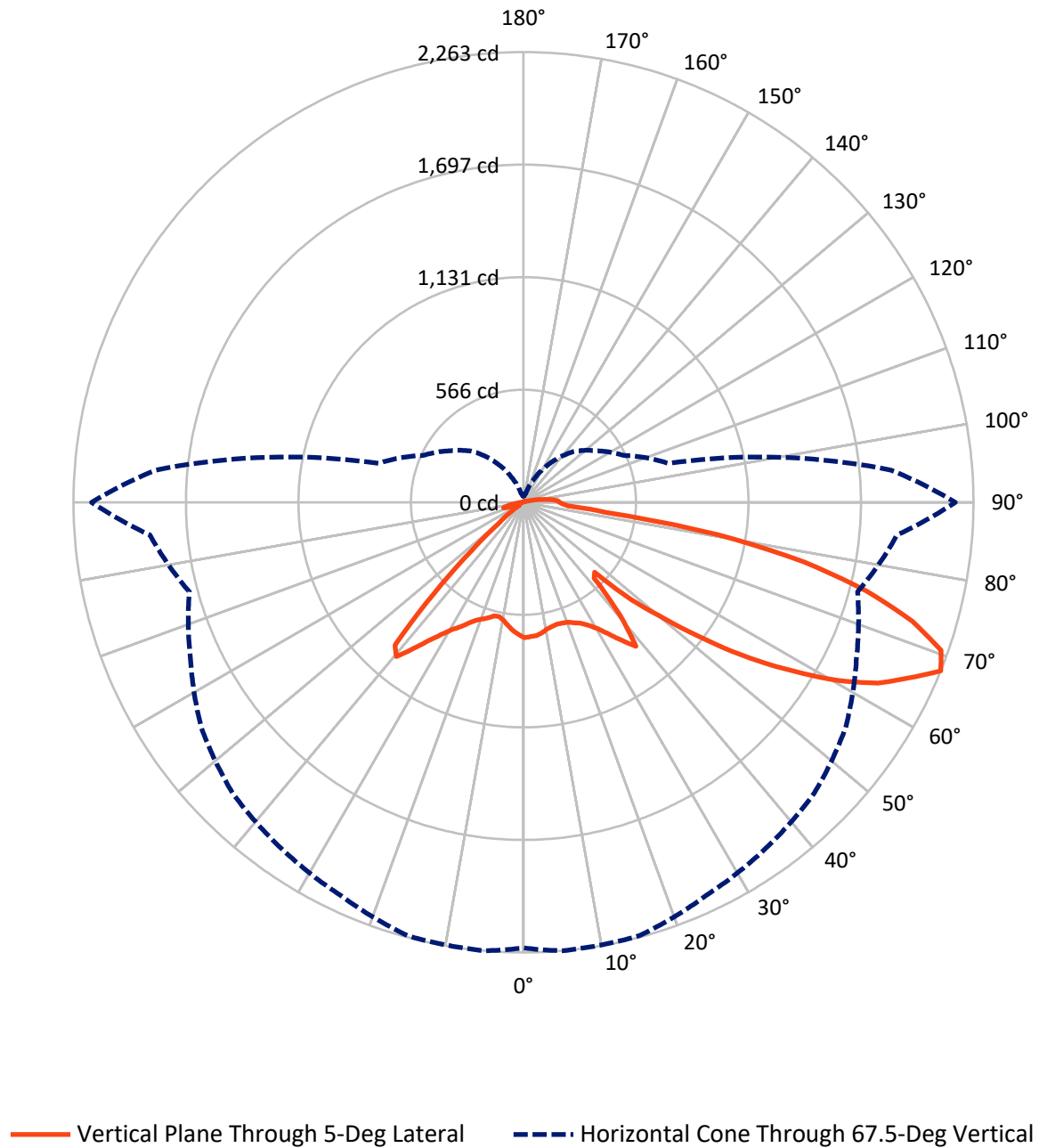


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

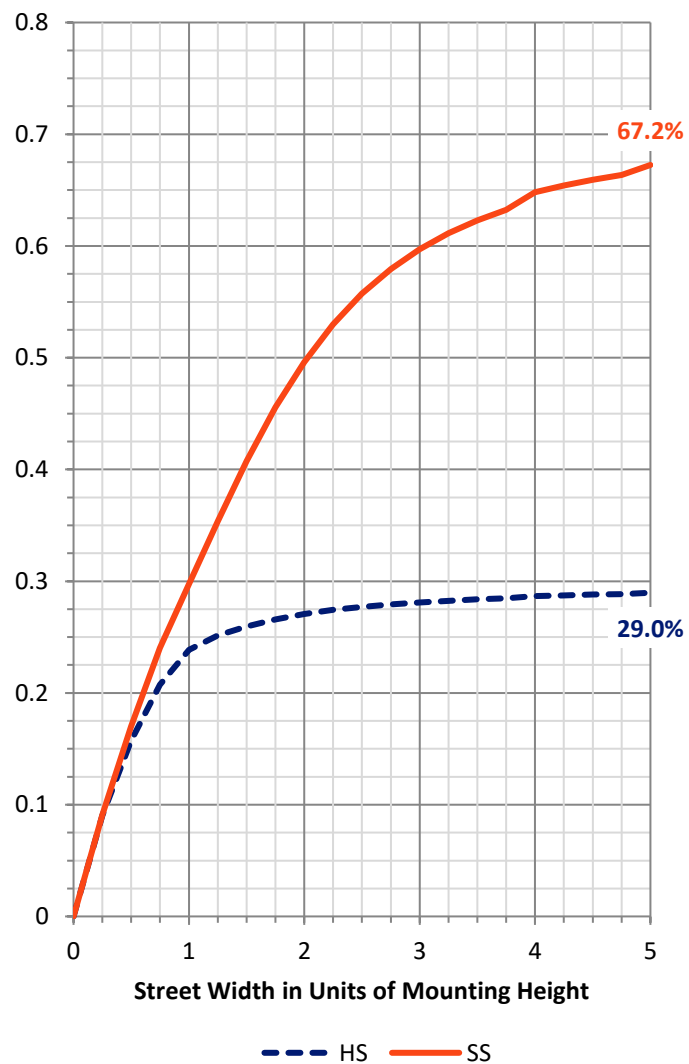
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1434.3	21.6	1455.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3353.9	84.3	3438.1
	% Fixture	68.5	1.7	70.3
Total	Lumens	4788.2	105.8	4894.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.3
10°-20°	181.6	3.7
20°-30°	322.6	6.6
30°-40°	539.5	11.0
40°-50°	492.7	10.1
50°-60°	731.3	14.9
60°-70°	1199.7	24.5
70°-80°	1029.6	21.0
80°-90°	228.4	4.7
90°-100°	77.1	1.6
100°-110°	19.0	0.4
110°-120°	6.1	0.1
120°-130°	3.4	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°	4788.2	97.8
0°-180°	4894.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691007

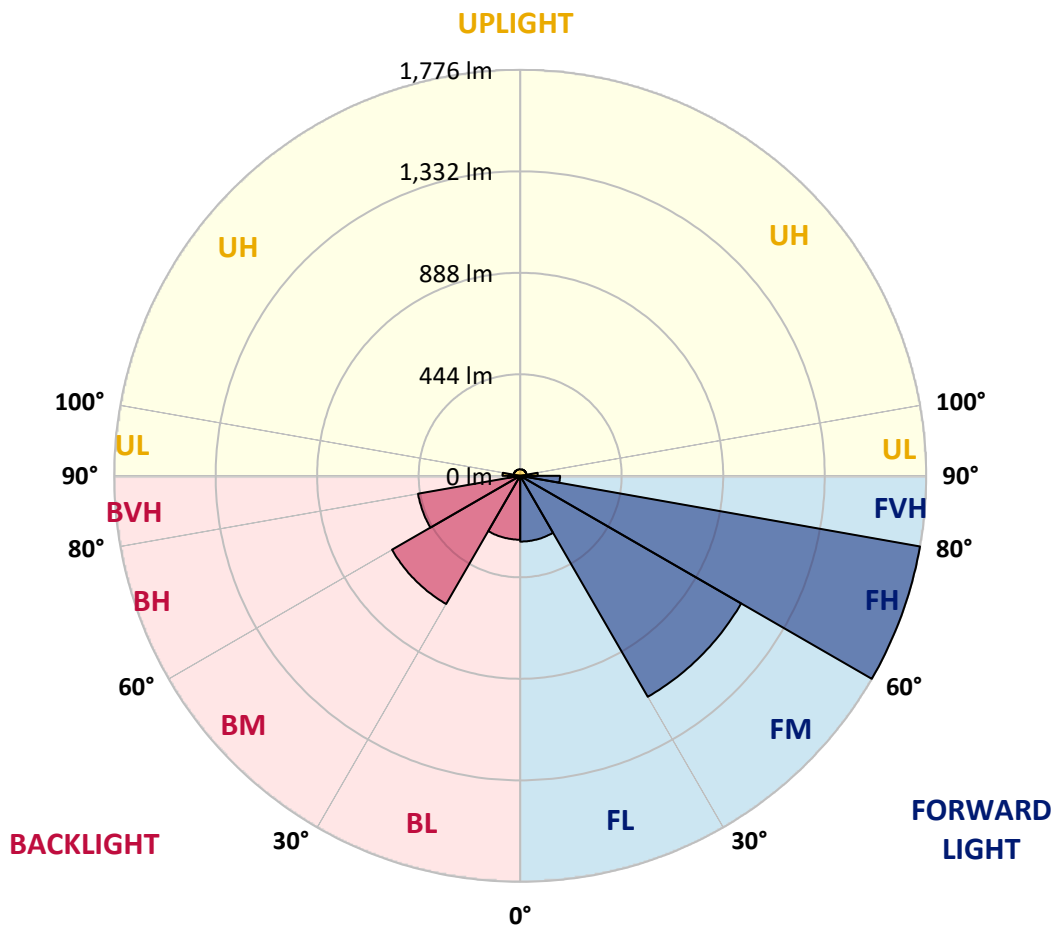
CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.6	5.9			
FM	(30°-60°)	1116.1	22.8			
FH	(60°-80°)	1776.0	36.3			G1/1800
FVH	(80°-90°)	174.1	3.6			G2/225
BL	(0°-30°)	279.4	5.7	B1/500		
BM	(30°-60°)	647.3	13.2	B1/1000		
BH	(60°-80°)	453.4	9.3	B1/500		G1/500
BVH	(80°-90°)	54.2	1.1			G1/100
UL	(90°-100°)	77.1	1.6		U3/500	
UH	(100°-180°)	28.8	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9
2.5°	675.8	675.8	675.8	678.4	680.9	678.4	675.8	673.3	670.8	673.3	673.3
5°	673.3	673.3	675.8	675.8	678.4	680.9	678.4	675.8	673.3	673.3	673.3
7.5°	660.7	663.2	663.2	665.7	668.2	673.3	673.3	668.2	668.2	668.2	668.2
10°	648.0	648.0	650.5	653.1	655.6	660.7	660.7	655.6	658.1	660.7	660.7
12.5°	640.4	640.4	642.9	648.0	650.5	653.1	655.6	655.6	658.1	655.6	658.1
15°	635.3	635.3	635.3	642.9	650.5	653.1	658.1	660.7	663.2	663.2	663.2
17.5°	637.9	637.9	637.9	648.0	653.1	660.7	665.7	668.2	668.2	670.8	670.8
20°	642.9	642.9	645.5	653.1	663.2	670.8	675.8	678.4	678.4	683.4	683.4
22.5°	653.1	658.1	655.6	663.2	670.8	680.9	688.5	693.6	693.6	698.6	698.6
25°	675.8	673.3	675.8	683.4	691.0	698.6	703.7	711.3	713.8	718.9	718.9
27.5°	701.2	701.2	701.2	708.7	713.8	721.4	726.5	731.5	736.6	744.2	746.7
30°	739.1	736.6	734.1	741.7	746.7	754.3	759.4	761.9	761.9	767.0	772.0
32.5°	789.7	789.7	789.7	794.8	797.3	804.9	807.5	810.0	807.5	815.1	817.6
35°	853.0	853.0	855.6	860.6	868.2	873.3	875.8	873.3	875.8	880.9	885.9
37.5°	916.3	918.8	926.4	934.0	939.1	949.2	956.8	956.8	959.3	974.5	974.5
40°	741.7	749.2	756.8	774.6	797.3	827.7	878.3	898.6	956.8	987.2	994.8
42.5°	503.7	521.4	541.7	564.5	582.2	584.7	632.8	660.7	718.9	774.6	789.7
45°	480.9	501.2	521.4	506.2	518.9	478.4	526.5	531.6	559.4	602.4	716.3
47.5°	706.2	734.1	761.9	723.9	731.5	642.9	660.7	640.4	577.1	648.0	837.8
50°	921.4	918.8	959.3	941.6	961.9	865.7	873.3	832.8	734.1	832.8	1103.6
52.5°	1128.9	1149.2	1192.2	1187.2	1202.3	1078.3	1055.5	1020.1	865.7	1017.6	1336.5
55°	1369.4	1384.6	1425.1	1412.4	1404.8	1280.8	1240.3	1204.9	1055.5	1253.0	1584.6
57.5°	1594.7	1602.3	1650.4	1607.3	1582.0	1488.4	1432.7	1374.5	1227.7	1468.1	1756.7
60°	1809.8	1820.0	1847.8	1789.6	1749.1	1675.7	1607.3	1544.1	1407.4	1660.5	1916.2
62.5°	2012.3	2002.2	2014.9	1941.5	1913.6	1847.8	1774.4	1695.9	1577.0	1812.4	2070.6
65°	2128.8	2128.8	2144.0	2050.3	2007.3	1966.8	1885.8	1794.7	1685.8	1885.8	2166.7
67.5°	2240.2	2262.9	2255.3	2179.4	2123.7	2068.0	1976.9	1847.8	1739.0	1885.8	2171.8
70°	2199.7	2227.5	2197.1	2136.4	2080.7	2014.9	1931.3	1804.8	1683.3	1794.7	2055.4
72.5°	2025.0	2045.2	2032.6	1979.4	1911.1	1868.1	1779.5	1683.3	1541.5	1637.7	1865.5
75°	1787.1	1782.0	1804.8	1744.0	1685.8	1645.3	1559.2	1498.5	1366.9	1437.7	1655.4
77.5°	1440.3	1442.8	1490.9	1422.6	1377.0	1349.2	1270.7	1220.1	1101.1	1164.4	1331.4
80°	966.9	994.8	1040.3	966.9	959.3	921.4	855.6	822.7	731.5	761.9	850.5
82.5°	402.5	415.1	430.3	407.5	399.9	387.3	359.4	349.3	313.9	329.1	329.1
85°	225.3	222.7	230.3	230.3	225.3	215.2	205.0	187.3	172.1	169.6	156.9
87.5°	189.8	192.4	197.4	197.4	187.3	179.7	167.1	154.4	141.7	134.2	121.5
90°	177.2	179.7	182.2	174.7	164.5	156.9	146.8	136.7	126.6	121.5	108.8
92.5°	169.6	169.6	169.6	159.5	149.3	141.7	134.2	124.0	116.4	111.4	101.2
95°	141.7	139.2	136.7	131.6	121.5	113.9	108.8	98.7	93.7	88.6	83.5
97.5°	106.3	103.8	101.2	98.7	88.6	83.5	81.0	75.9	70.9	63.3	60.7
100°	75.9	73.4	73.4	70.9	65.8	60.7	58.2	53.2	48.1	43.0	40.5
102.5°	50.6	48.1	48.1	45.6	43.0	40.5	35.4	32.9	27.8	25.3	22.8
105°	27.8	27.8	27.8	25.3	25.3	22.8	20.2	17.7	15.2	15.2	12.7
107.5°	20.2	20.2	20.2	20.2	17.7	17.7	15.2	12.7	12.7	10.1	10.1
110°	15.2	15.2	15.2	15.2	15.2	12.7	12.7	10.1	10.1	7.6	7.6

REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.7	12.7	12.7	12.7	12.7	12.7	10.1	10.1	7.6	7.6	7.6
115°	12.7	12.7	12.7	12.7	10.1	10.1	7.6	7.6	7.6	7.6	5.1
117.5°	10.1	10.1	10.1	10.1	10.1	7.6	7.6	7.6	7.6	5.1	7.6
120°	10.1	10.1	10.1	10.1	7.6	7.6	7.6	5.1	5.1	5.1	5.1
122.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1	5.1
125°	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1
127.5°	7.6	7.6	5.1	7.6	5.1	5.1	5.1	5.1	5.1	2.5	5.1
130°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5
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: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9	680.9
2.5°	675.8	675.8	678.4	675.8	675.8	670.8	668.2	665.7	665.7	665.7
5°	673.3	673.3	670.8	665.7	663.2	658.1	653.1	650.5	648.0	650.5
7.5°	668.2	663.2	658.1	648.0	640.4	637.9	627.7	625.2	625.2	625.2
10°	658.1	653.1	640.4	627.7	622.7	615.1	607.5	599.9	602.4	605.0
12.5°	655.6	642.9	632.8	620.2	612.6	599.9	597.4	589.8	587.2	587.2
15°	658.1	648.0	635.3	625.2	615.1	610.0	599.9	597.4	589.8	594.8
17.5°	668.2	653.1	642.9	632.8	622.7	617.6	610.0	605.0	607.5	607.5
20°	678.4	663.2	653.1	645.5	635.3	627.7	625.2	620.2	622.7	617.6
22.5°	693.6	678.4	670.8	660.7	653.1	648.0	642.9	645.5	640.4	642.9
25°	713.8	701.2	691.0	683.4	675.8	670.8	670.8	670.8	668.2	670.8
27.5°	741.7	729.0	721.4	716.3	708.7	703.7	698.6	701.2	703.7	701.2
30°	767.0	751.8	749.2	744.2	739.1	736.6	736.6	736.6	736.6	741.7
32.5°	807.5	792.3	787.2	787.2	782.2	779.6	777.1	782.2	784.7	782.2
35°	870.7	850.5	845.4	842.9	840.4	840.4	842.9	842.9	842.9	842.9
37.5°	949.2	921.4	916.3	913.8	913.8	913.8	911.2	913.8	921.4	923.9
40°	984.7	966.9	974.5	987.2	994.8	994.8	992.2	997.3	1004.9	1004.9
42.5°	797.3	759.4	787.2	837.8	870.7	911.2	918.8	944.2	964.4	964.4
45°	648.0	491.1	501.2	534.1	549.3	584.7	605.0	627.7	640.4	622.7
47.5°	729.0	316.4	260.7	270.8	232.9	281.0	313.9	349.3	356.9	364.5
50°	1144.1	326.5	220.2	159.5	106.3	141.7	149.3	169.6	164.5	167.1
52.5°	1389.7	374.6	220.2	141.7	88.6	93.7	86.1	96.2	101.2	111.4
55°	1559.2	450.6	286.0	179.7	103.8	63.3	43.0	32.9	30.4	30.4
57.5°	1640.2	551.8	372.1	255.7	162.0	88.6	38.0	27.8	25.3	22.8
60°	1716.2	660.7	470.8	349.3	255.7	156.9	70.9	27.8	22.8	22.8
62.5°	1784.5	769.5	569.5	453.1	359.4	245.5	131.6	48.1	25.3	25.3
65°	1840.2	792.3	577.1	491.1	387.3	288.6	172.1	58.2	27.8	27.8
67.5°	1855.4	754.3	556.9	450.6	362.0	245.5	134.2	48.1	32.9	30.4
70°	1754.2	716.3	559.4	427.8	326.5	217.7	88.6	55.7	43.0	40.5
72.5°	1587.1	663.2	531.6	415.1	313.9	220.2	103.8	91.1	81.0	75.9
75°	1397.2	599.9	491.1	397.4	303.7	212.6	121.5	113.9	103.8	101.2
77.5°	1121.3	498.7	412.6	336.7	255.7	169.6	101.2	96.2	83.5	83.5
80°	736.6	372.1	311.3	258.2	194.9	119.0	75.9	68.3	60.7	58.2
82.5°	301.2	217.7	187.3	162.0	126.6	75.9	50.6	43.0	35.4	32.9
85°	146.8	108.8	93.7	75.9	63.3	43.0	32.9	27.8	20.2	20.2
87.5°	119.0	86.1	70.9	58.2	43.0	30.4	22.8	17.7	12.7	10.1
90°	108.8	75.9	60.7	48.1	35.4	25.3	15.2	12.7	7.6	5.1
92.5°	98.7	65.8	53.2	38.0	27.8	20.2	10.1	7.6	5.1	5.1
95°	81.0	50.6	40.5	30.4	22.8	15.2	10.1	5.1	2.5	2.5
97.5°	58.2	38.0	30.4	22.8	17.7	10.1	7.6	5.1	2.5	2.5
100°	40.5	25.3	22.8	17.7	12.7	7.6	5.1	2.5	2.5	2.5
102.5°	20.2	15.2	15.2	12.7	10.1	7.6	2.5	2.5	0.0	0.0
105°	12.7	10.1	10.1	7.6	5.1	5.1	2.5	2.5	0.0	0.0
107.5°	7.6	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0	0.0
110°	7.6	5.1	5.1	5.1	2.5	2.5	2.5	0.0	0.0	0.0

REPORT NUMBER: P691007

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0
115°	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
117.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
120°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	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)