

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: P691085

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691085
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-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 2284 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 23.2
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



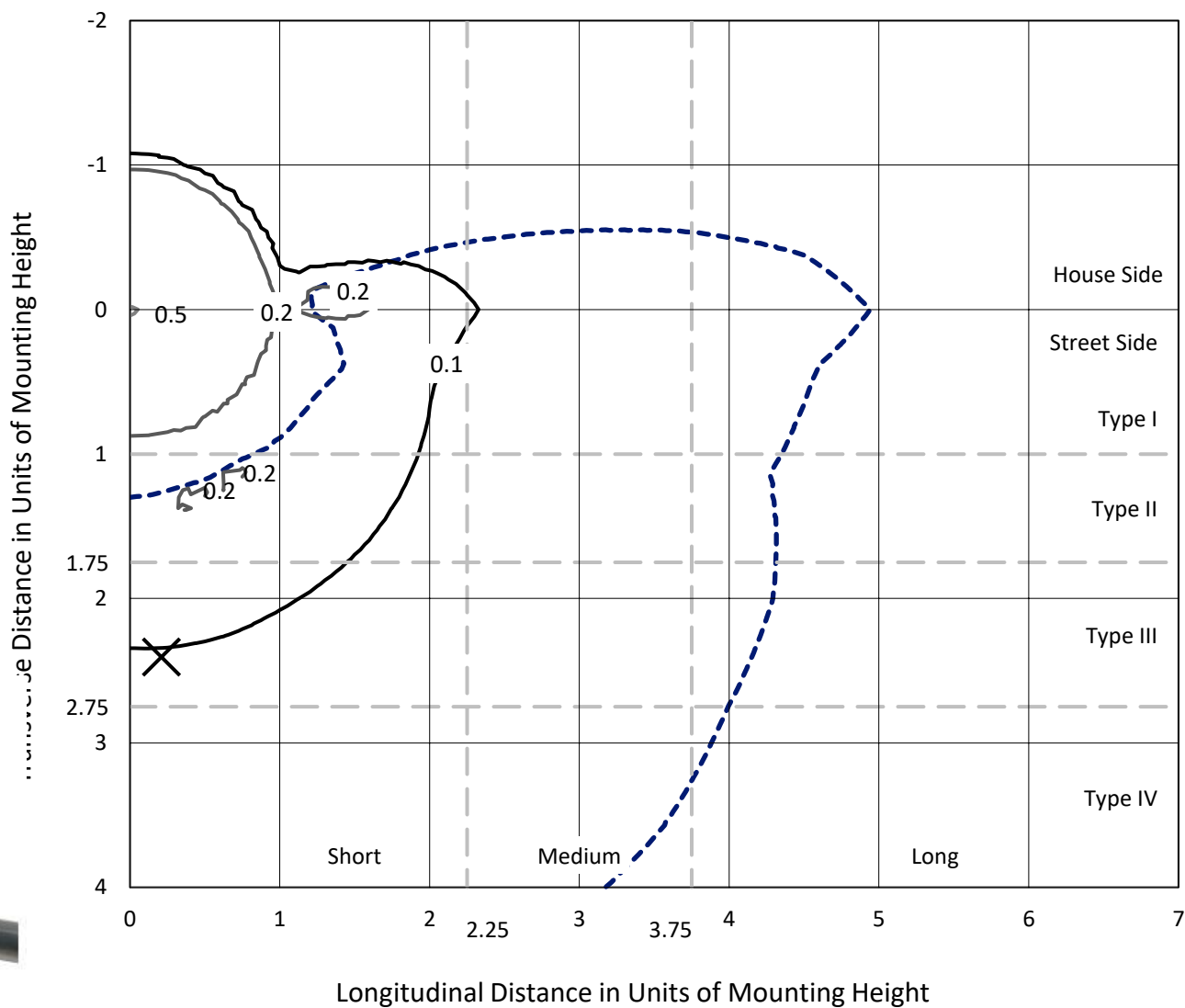
REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

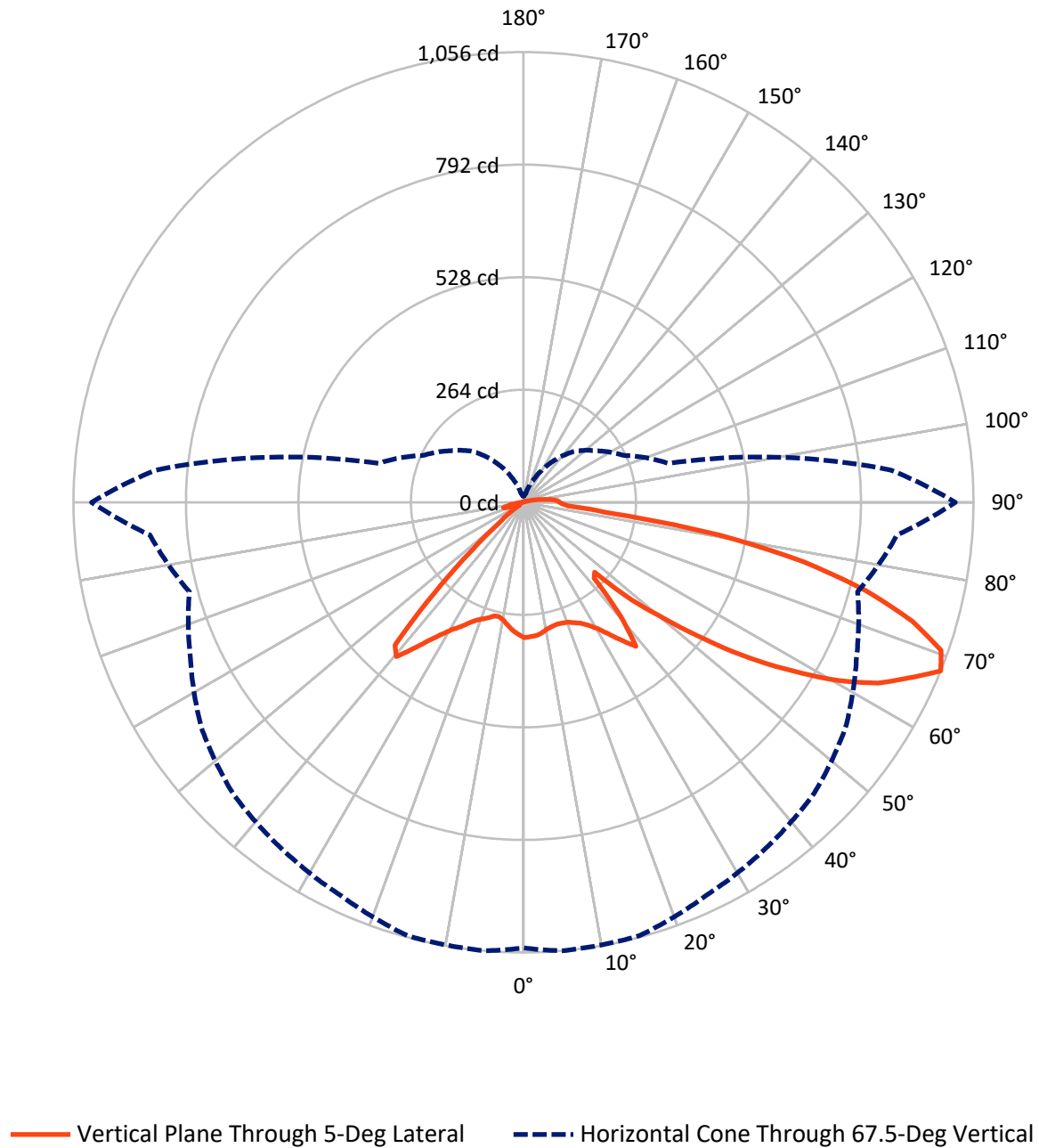


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

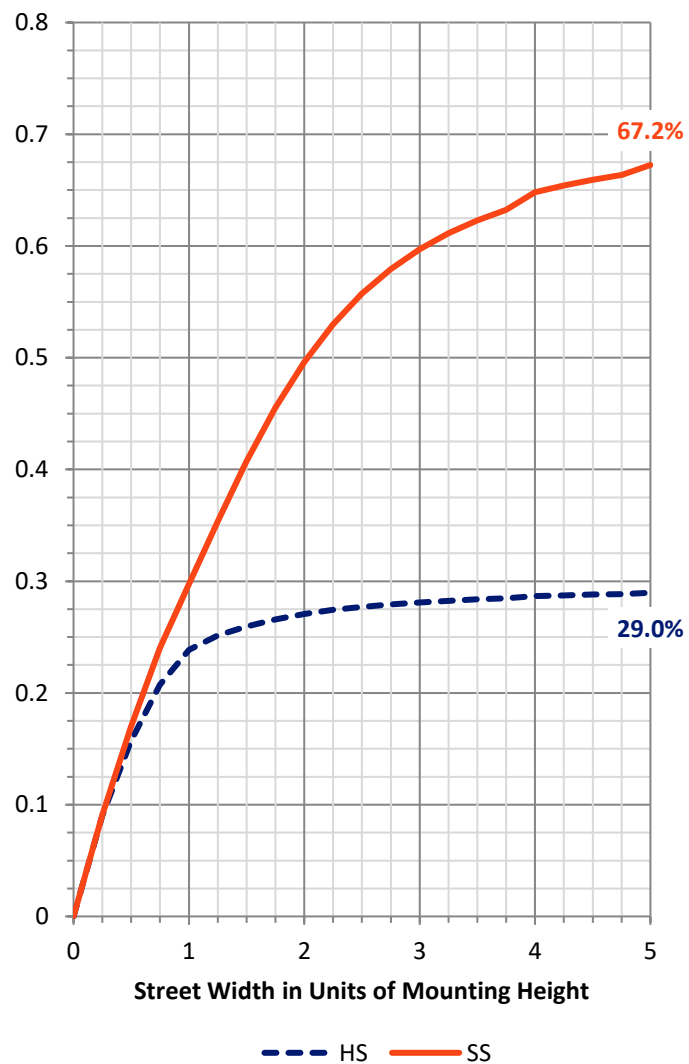
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	669.4	10.1	679.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1565.2	39.3	1604.6
	% Fixture	68.5	1.7	70.3
Total	Lumens	2234.6	49.4	2284.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	1.3
10°-20°	84.7	3.7
20°-30°	150.6	6.6
30°-40°	251.8	11.0
40°-50°	229.9	10.1
50°-60°	341.3	14.9
60°-70°	559.9	24.5
70°-80°	480.5	21.0
80°-90°	106.6	4.7
90°-100°	36.0	1.6
100°-110°	8.9	0.4
110°-120°	2.8	0.1
120°-130°	1.6	0.1
130°-140°	0.1	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°	2234.6	97.8
0°-180°	2284.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691085

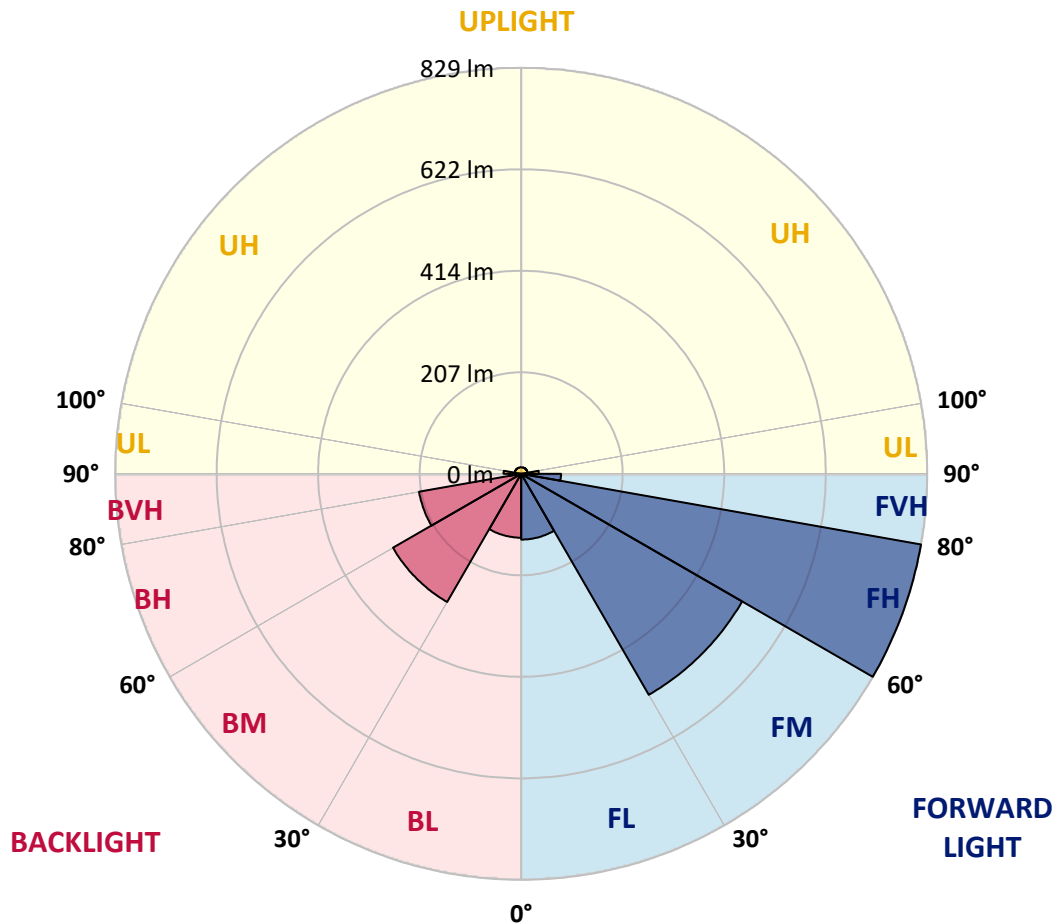
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.2	5.9			
FM	(30°-60°)	520.9	22.8			
FH	(60°-80°)	828.8	36.3			G1/1800
FVH	(80°-90°)	81.3	3.6			G1/100
BL	(0°-30°)	130.4	5.7	B1/500		
BM	(30°-60°)	302.1	13.2	B1/1000		
BH	(60°-80°)	211.6	9.3	B1/500		G1/500
BVH	(80°-90°)	25.3	1.1			G1/100
UL	(90°-100°)	36.0	1.6		U2/50	
UH	(100°-180°)	13.4	0.6		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8
2.5°	315.4	315.4	315.4	316.6	317.8	316.6	315.4	314.2	313.0	314.2	314.2
5°	314.2	314.2	315.4	315.4	316.6	317.8	316.6	315.4	314.2	314.2	314.2
7.5°	308.3	309.5	309.5	310.7	311.9	314.2	314.2	311.9	311.9	311.9	311.9
10°	302.4	302.4	303.6	304.8	306.0	308.3	308.3	306.0	307.1	308.3	308.3
12.5°	298.9	298.9	300.1	302.4	303.6	304.8	306.0	306.0	307.1	306.0	307.1
15°	296.5	296.5	296.5	300.1	303.6	304.8	307.1	308.3	309.5	309.5	309.5
17.5°	297.7	297.7	297.7	302.4	304.8	308.3	310.7	311.9	311.9	313.0	313.0
20°	300.1	300.1	301.2	304.8	309.5	313.0	315.4	316.6	316.6	319.0	319.0
22.5°	304.8	307.1	306.0	309.5	313.0	317.8	321.3	323.7	323.7	326.0	326.0
25°	315.4	314.2	315.4	319.0	322.5	326.0	328.4	332.0	333.1	335.5	335.5
27.5°	327.2	327.2	327.2	330.8	333.1	336.7	339.0	341.4	343.8	347.3	348.5
30°	344.9	343.8	342.6	346.1	348.5	352.0	354.4	355.6	355.6	357.9	360.3
32.5°	368.6	368.6	368.6	370.9	372.1	375.7	376.8	378.0	376.8	380.4	381.6
35°	398.1	398.1	399.3	401.6	405.2	407.6	408.7	407.6	408.7	411.1	413.5
37.5°	427.6	428.8	432.4	435.9	438.3	443.0	446.5	446.5	447.7	454.8	454.8
40°	346.1	349.7	353.2	361.5	372.1	386.3	409.9	419.4	446.5	460.7	464.3
42.5°	235.1	243.4	252.8	263.4	271.7	272.9	295.3	308.3	335.5	361.5	368.6
45°	224.5	233.9	243.4	236.3	242.2	223.3	245.7	248.1	261.1	281.2	334.3
47.5°	329.6	342.6	355.6	337.9	341.4	300.1	308.3	298.9	269.3	302.4	391.0
50°	430.0	428.8	447.7	439.5	448.9	404.0	407.6	388.7	342.6	388.7	515.1
52.5°	526.9	536.3	556.4	554.0	561.1	503.2	492.6	476.1	404.0	474.9	623.7
55°	639.1	646.2	665.1	659.2	655.6	597.7	578.8	562.3	492.6	584.8	739.5
57.5°	744.2	747.8	770.2	750.1	738.3	694.6	668.6	641.5	572.9	685.2	819.8
60°	844.6	849.4	862.4	835.2	816.3	782.0	750.1	720.6	656.8	774.9	894.3
62.5°	939.1	934.4	940.3	906.1	893.1	862.4	828.1	791.5	736.0	845.8	966.3
65°	993.5	993.5	1000.6	956.9	936.8	917.9	880.1	837.6	786.8	880.1	1011.2
67.5°	1045.5	1056.1	1052.6	1017.1	991.1	965.1	922.6	862.4	811.6	880.1	1013.6
70°	1026.6	1039.6	1025.4	997.0	971.0	940.3	901.3	842.3	785.6	837.6	959.2
72.5°	945.1	954.5	948.6	923.8	891.9	871.8	830.5	785.6	719.4	764.3	870.6
75°	834.0	831.6	842.3	813.9	786.8	767.9	727.7	699.3	637.9	671.0	772.6
77.5°	672.2	673.4	695.8	663.9	642.6	629.6	593.0	569.4	513.9	543.4	621.4
80°	451.3	464.3	485.5	451.3	447.7	430.0	399.3	383.9	341.4	355.6	396.9
82.5°	187.8	193.7	200.8	190.2	186.6	180.7	167.7	163.0	146.5	153.6	153.6
85°	105.1	104.0	107.5	107.5	105.1	100.4	95.7	87.4	80.3	79.1	73.2
87.5°	88.6	89.8	92.1	92.1	87.4	83.9	78.0	72.1	66.2	62.6	56.7
90°	82.7	83.9	85.1	81.5	76.8	73.2	68.5	63.8	59.1	56.7	50.8
92.5°	79.1	79.1	79.1	74.4	69.7	66.2	62.6	57.9	54.3	52.0	47.3
95°	66.2	65.0	63.8	61.4	56.7	53.2	50.8	46.1	43.7	41.3	39.0
97.5°	49.6	48.4	47.3	46.1	41.3	39.0	37.8	35.4	33.1	29.5	28.4
100°	35.4	34.3	34.3	33.1	30.7	28.4	27.2	24.8	22.4	20.1	18.9
102.5°	23.6	22.4	22.4	21.3	20.1	18.9	16.5	15.4	13.0	11.8	10.6
105°	13.0	13.0	13.0	11.8	11.8	10.6	9.5	8.3	7.1	7.1	5.9
107.5°	9.5	9.5	9.5	9.5	8.3	8.3	7.1	5.9	5.9	4.7	4.7
110°	7.1	7.1	7.1	7.1	7.1	5.9	5.9	4.7	4.7	3.5	3.5



REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5
115°	5.9	5.9	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5	2.4
117.5°	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	2.4	3.5
120°	4.7	4.7	4.7	4.7	3.5	3.5	3.5	2.4	2.4	2.4	2.4
122.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4
125°	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4
127.5°	3.5	3.5	2.4	3.5	2.4	2.4	2.4	2.4	2.4	1.2	2.4
130°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
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: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8	317.8
2.5°	315.4	315.4	316.6	315.4	315.4	313.0	311.9	310.7	310.7	310.7
5°	314.2	314.2	313.0	310.7	309.5	307.1	304.8	303.6	302.4	303.6
7.5°	311.9	309.5	307.1	302.4	298.9	297.7	293.0	291.8	291.8	291.8
10°	307.1	304.8	298.9	293.0	290.6	287.1	283.5	280.0	281.2	282.3
12.5°	306.0	300.1	295.3	289.4	285.9	280.0	278.8	275.2	274.1	274.1
15°	307.1	302.4	296.5	291.8	287.1	284.7	280.0	278.8	275.2	277.6
17.5°	311.9	304.8	300.1	295.3	290.6	288.2	284.7	282.3	283.5	283.5
20°	316.6	309.5	304.8	301.2	296.5	293.0	291.8	289.4	290.6	288.2
22.5°	323.7	316.6	313.0	308.3	304.8	302.4	300.1	301.2	298.9	300.1
25°	333.1	327.2	322.5	319.0	315.4	313.0	313.0	313.0	311.9	313.0
27.5°	346.1	340.2	336.7	334.3	330.8	328.4	326.0	327.2	328.4	327.2
30°	357.9	350.9	349.7	347.3	344.9	343.8	343.8	343.8	343.8	346.1
32.5°	376.8	369.8	367.4	367.4	365.0	363.8	362.7	365.0	366.2	365.0
35°	406.4	396.9	394.6	393.4	392.2	392.2	393.4	393.4	393.4	393.4
37.5°	443.0	430.0	427.6	426.5	426.5	426.5	425.3	426.5	430.0	431.2
40°	459.5	451.3	454.8	460.7	464.3	464.3	463.1	465.4	469.0	469.0
42.5°	372.1	354.4	367.4	391.0	406.4	425.3	428.8	440.6	450.1	450.1
45°	302.4	229.2	233.9	249.3	256.3	272.9	282.3	293.0	298.9	290.6
47.5°	340.2	147.7	121.7	126.4	108.7	131.1	146.5	163.0	166.6	170.1
50°	534.0	152.4	102.8	74.4	49.6	66.2	69.7	79.1	76.8	78.0
52.5°	648.5	174.8	102.8	66.2	41.3	43.7	40.2	44.9	47.3	52.0
55°	727.7	210.3	133.5	83.9	48.4	29.5	20.1	15.4	14.2	14.2
57.5°	765.5	257.5	173.7	119.3	75.6	41.3	17.7	13.0	11.8	10.6
60°	800.9	308.3	219.7	163.0	119.3	73.2	33.1	13.0	10.6	10.6
62.5°	832.8	359.1	265.8	211.5	167.7	114.6	61.4	22.4	11.8	11.8
65°	858.8	369.8	269.3	229.2	180.7	134.7	80.3	27.2	13.0	13.0
67.5°	865.9	352.0	259.9	210.3	168.9	114.6	62.6	22.4	15.4	14.2
70°	818.7	334.3	261.1	199.6	152.4	101.6	41.3	26.0	20.1	18.9
72.5°	740.7	309.5	248.1	193.7	146.5	102.8	48.4	42.5	37.8	35.4
75°	652.1	280.0	229.2	185.5	141.8	99.2	56.7	53.2	48.4	47.3
77.5°	523.3	232.7	192.6	157.1	119.3	79.1	47.3	44.9	39.0	39.0
80°	343.8	173.7	145.3	120.5	91.0	55.5	35.4	31.9	28.4	27.2
82.5°	140.6	101.6	87.4	75.6	59.1	35.4	23.6	20.1	16.5	15.4
85°	68.5	50.8	43.7	35.4	29.5	20.1	15.4	13.0	9.5	9.5
87.5°	55.5	40.2	33.1	27.2	20.1	14.2	10.6	8.3	5.9	4.7
90°	50.8	35.4	28.4	22.4	16.5	11.8	7.1	5.9	3.5	2.4
92.5°	46.1	30.7	24.8	17.7	13.0	9.5	4.7	3.5	2.4	2.4
95°	37.8	23.6	18.9	14.2	10.6	7.1	4.7	2.4	1.2	1.2
97.5°	27.2	17.7	14.2	10.6	8.3	4.7	3.5	2.4	1.2	1.2
100°	18.9	11.8	10.6	8.3	5.9	3.5	2.4	1.2	1.2	1.2
102.5°	9.5	7.1	7.1	5.9	4.7	3.5	1.2	1.2	0.0	0.0
105°	5.9	4.7	4.7	3.5	2.4	2.4	1.2	1.2	0.0	0.0
107.5°	3.5	3.5	3.5	2.4	2.4	1.2	1.2	0.0	0.0	0.0
110°	3.5	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0

REPORT NUMBER: P691085

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
115°	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
117.5°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
120°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	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)