

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: P691361

Luminaire Tested: **CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691361
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-C015-D-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: 2833 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 29.9
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



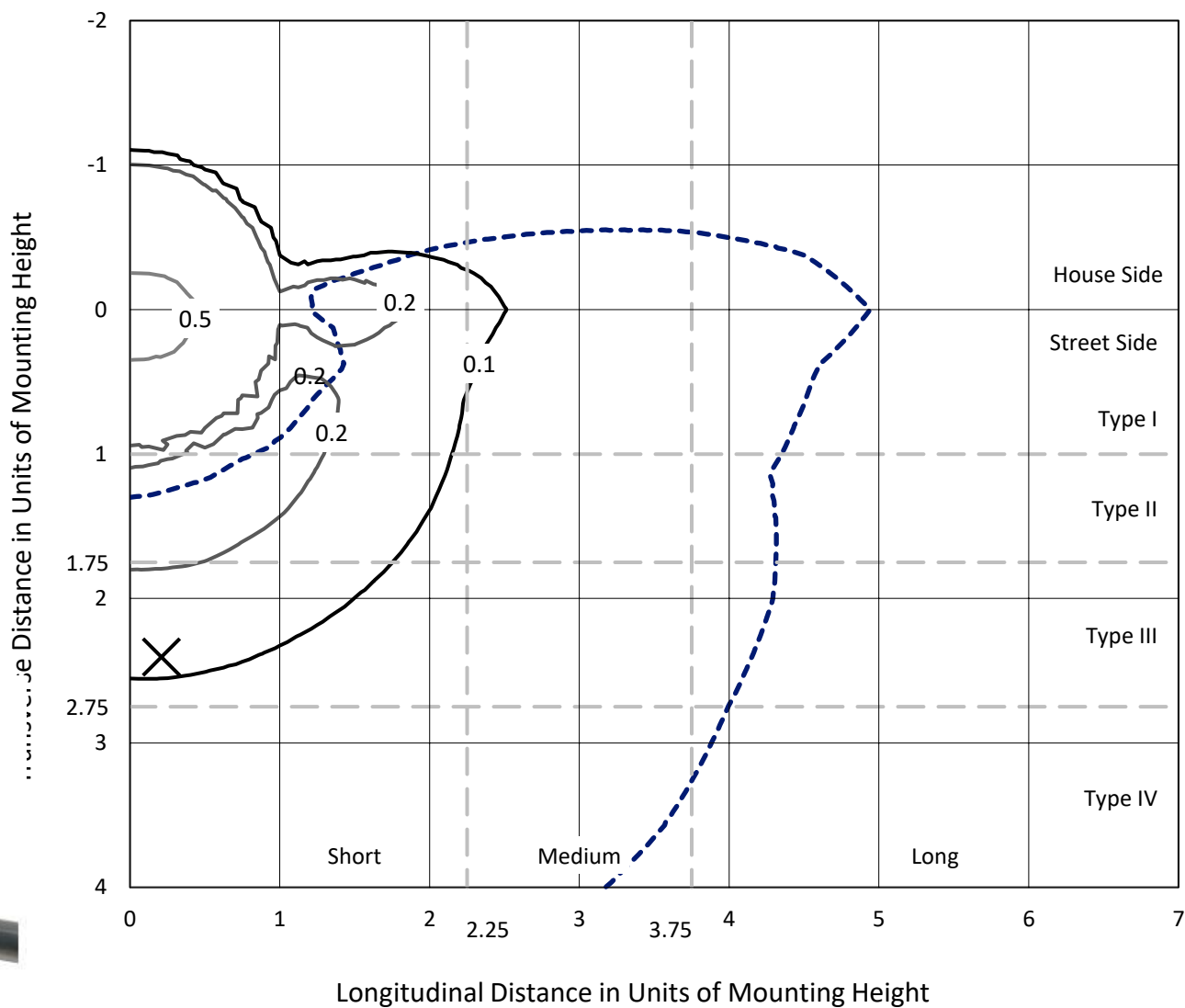
REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

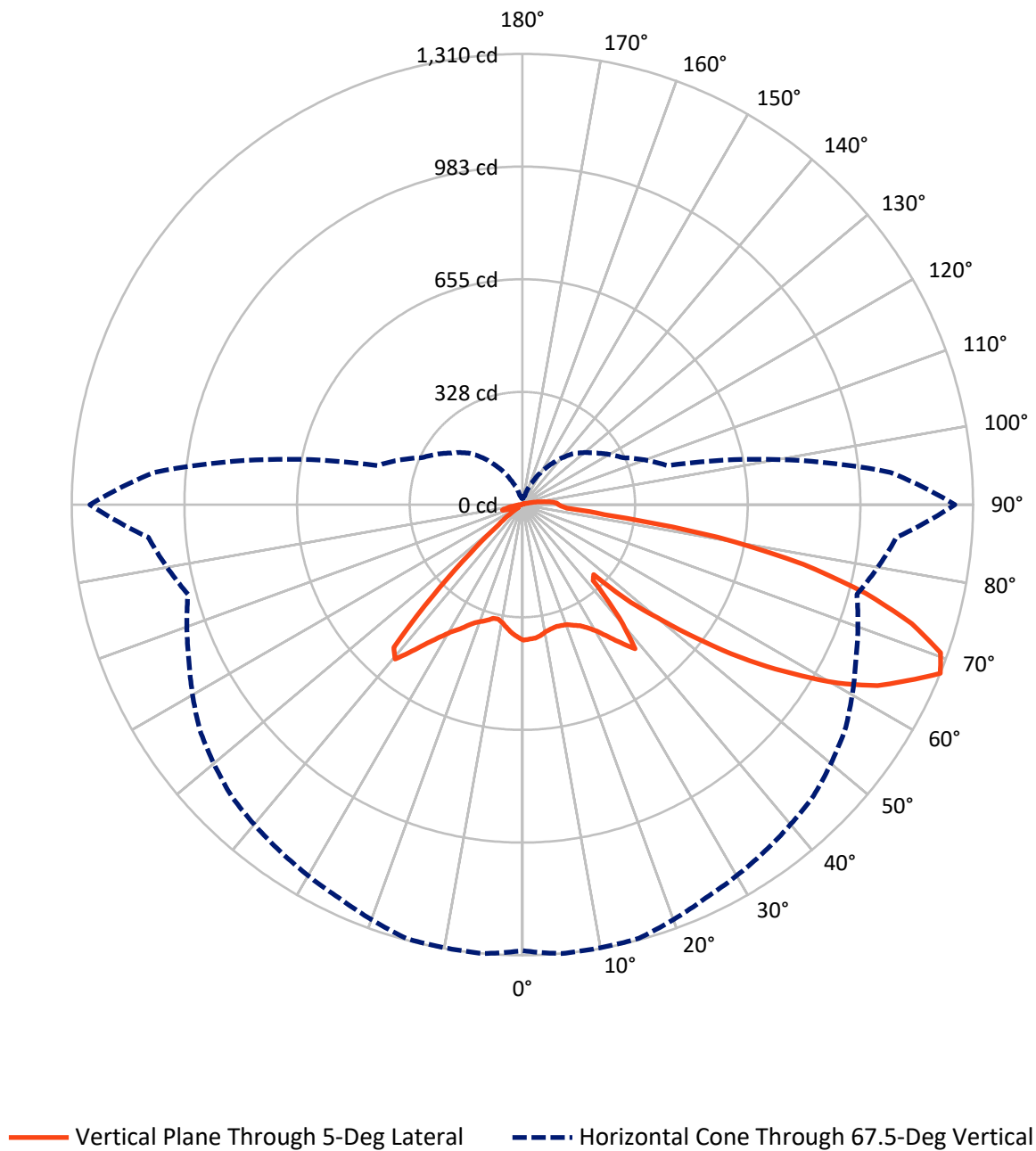


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

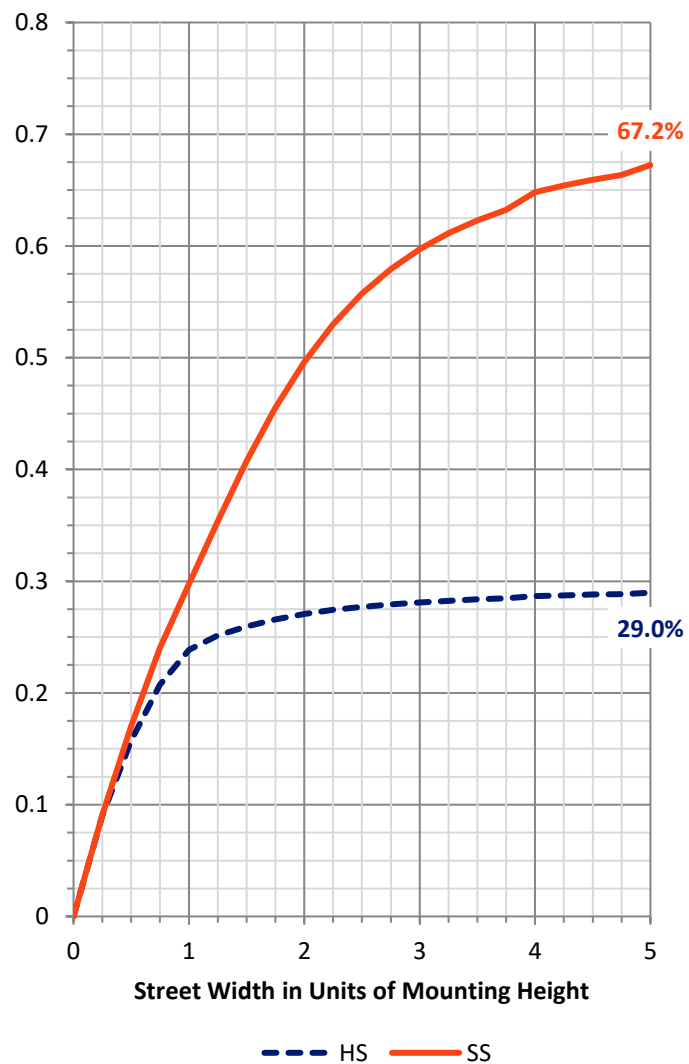
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.3	12.5	842.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1941.5	48.8	1990.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	2771.7	61.3	2833.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.3
10°-20°	105.1	3.7
20°-30°	186.7	6.6
30°-40°	312.3	11.0
40°-50°	285.2	10.1
50°-60°	423.3	14.9
60°-70°	694.5	24.5
70°-80°	596.0	21.0
80°-90°	132.2	4.7
90°-100°	44.6	1.6
100°-110°	11.0	0.4
110°-120°	3.5	0.1
120°-130°	2.0	0.1
130°-140°	0.2	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°	2771.7	97.8
0°-180°	2833.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691361

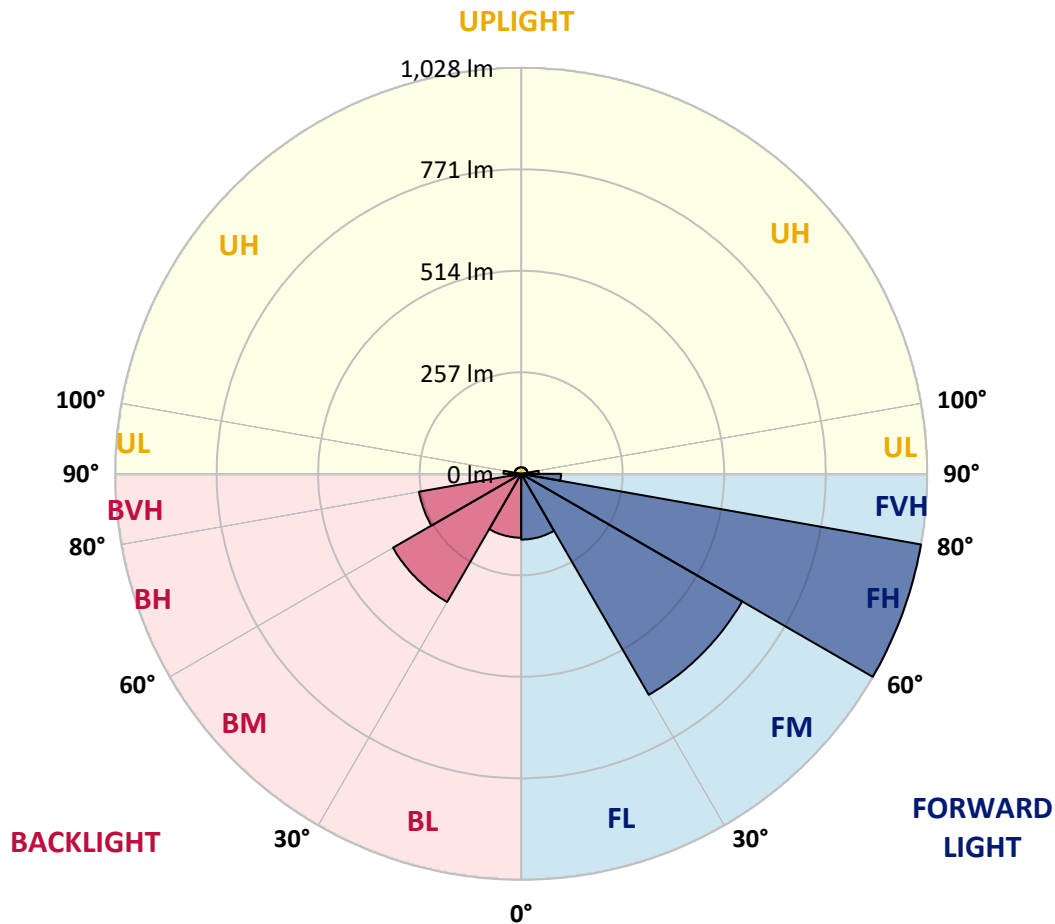
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.5	5.9			
FM	(30°-60°)	646.1	22.8			
FH	(60°-80°)	1028.0	36.3			G1/1800
FVH	(80°-90°)	100.8	3.6			G2/225
BL	(0°-30°)	161.7	5.7	B1/500		
BM	(30°-60°)	374.7	13.2	B1/1000		
BH	(60°-80°)	262.4	9.3	B1/500		G1/500
BVH	(80°-90°)	31.4	1.1			G1/100
UL	(90°-100°)	44.6	1.6		U2/50	
UH	(100°-180°)	16.7	0.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	391.2	391.2	391.2	392.7	394.2	392.7	391.2	389.8	388.3	389.8	389.8
5°	389.8	389.8	391.2	391.2	392.7	394.2	392.7	391.2	389.8	389.8	389.8
7.5°	382.4	383.9	383.9	385.4	386.8	389.8	389.8	386.8	386.8	386.8	386.8
10°	375.1	375.1	376.6	378.0	379.5	382.4	382.4	379.5	381.0	382.4	382.4
12.5°	370.7	370.7	372.2	375.1	376.6	378.0	379.5	379.5	381.0	379.5	381.0
15°	367.8	367.8	367.8	372.2	376.6	378.0	381.0	382.4	383.9	383.9	383.9
17.5°	369.2	369.2	369.2	375.1	378.0	382.4	385.4	386.8	386.8	388.3	388.3
20°	372.2	372.2	373.6	378.0	383.9	388.3	391.2	392.7	392.7	395.6	395.6
22.5°	378.0	381.0	379.5	383.9	388.3	394.2	398.6	401.5	401.5	404.4	404.4
25°	391.2	389.8	391.2	395.6	400.0	404.4	407.3	411.7	413.2	416.1	416.1
27.5°	405.9	405.9	405.9	410.3	413.2	417.6	420.5	423.5	426.4	430.8	432.3
30°	427.9	426.4	424.9	429.3	432.3	436.7	439.6	441.0	441.0	444.0	446.9
32.5°	457.2	457.2	457.2	460.1	461.6	466.0	467.4	468.9	467.4	471.8	473.3
35°	493.8	493.8	495.3	498.2	502.6	505.5	507.0	505.5	507.0	509.9	512.8
37.5°	530.4	531.9	536.3	540.7	543.6	549.5	553.9	553.9	555.3	564.1	564.1
40°	429.3	433.7	438.1	448.4	461.6	479.1	508.4	520.2	553.9	571.5	575.9
42.5°	291.6	301.8	313.6	326.8	337.0	338.5	366.3	382.4	416.1	448.4	457.2
45°	278.4	290.1	301.8	293.1	300.4	276.9	304.8	307.7	323.8	348.7	414.7
47.5°	408.8	424.9	441.0	419.1	423.5	372.2	382.4	370.7	334.1	375.1	485.0
50°	533.4	531.9	555.3	545.1	556.8	501.1	505.5	482.1	424.9	482.1	638.9
52.5°	653.5	665.2	690.1	687.2	696.0	624.2	611.0	590.5	501.1	589.0	773.7
55°	792.7	801.5	824.9	817.6	813.2	741.4	718.0	697.5	611.0	725.3	917.3
57.5°	923.1	927.5	955.4	930.4	915.8	861.6	829.3	795.6	710.7	849.9	1016.9
60°	1047.7	1053.5	1069.6	1035.9	1012.5	970.0	930.4	893.8	814.7	961.2	1109.2
62.5°	1164.9	1159.0	1166.4	1123.9	1107.7	1069.6	1027.2	981.7	912.9	1049.1	1198.6
65°	1232.3	1232.3	1241.1	1186.9	1162.0	1138.5	1091.6	1038.9	975.9	1091.6	1254.3
67.5°	1296.8	1310.0	1305.6	1261.6	1229.4	1197.1	1144.4	1069.6	1006.6	1091.6	1257.2
70°	1273.3	1289.4	1271.9	1236.7	1204.5	1166.4	1118.0	1044.7	974.4	1038.9	1189.8
72.5°	1172.2	1183.9	1176.6	1145.8	1106.3	1081.4	1030.1	974.4	892.3	948.0	1079.9
75°	1034.5	1031.5	1044.7	1009.6	975.9	952.4	902.6	867.4	791.2	832.3	958.3
77.5°	833.7	835.2	863.0	823.5	797.1	781.0	735.6	706.3	637.4	674.0	770.7
80°	559.7	575.9	602.2	559.7	555.3	533.4	495.3	476.2	423.5	441.0	492.3
82.5°	233.0	240.3	249.1	235.9	231.5	224.2	208.1	202.2	181.7	190.5	190.5
85°	130.4	128.9	133.3	133.3	130.4	124.5	118.7	108.4	99.6	98.2	90.8
87.5°	109.9	111.4	114.3	114.3	108.4	104.0	96.7	89.4	82.1	77.7	70.3
90°	102.6	104.0	105.5	101.1	95.2	90.8	85.0	79.1	73.3	70.3	63.0
92.5°	98.2	98.2	98.2	92.3	86.5	82.1	77.7	71.8	67.4	64.5	58.6
95°	82.1	80.6	79.1	76.2	70.3	65.9	63.0	57.1	54.2	51.3	48.4
97.5°	61.5	60.1	58.6	57.1	51.3	48.4	46.9	44.0	41.0	36.6	35.2
100°	44.0	42.5	42.5	41.0	38.1	35.2	33.7	30.8	27.8	24.9	23.4
102.5°	29.3	27.8	27.8	26.4	24.9	23.4	20.5	19.0	16.1	14.7	13.2
105°	16.1	16.1	16.1	14.7	14.7	13.2	11.7	10.3	8.8	8.8	7.3
107.5°	11.7	11.7	11.7	11.7	10.3	10.3	8.8	7.3	7.3	5.9	5.9
110°	8.8	8.8	8.8	8.8	8.8	7.3	7.3	5.9	5.9	4.4	4.4

REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.3	7.3	7.3	7.3	7.3	7.3	5.9	5.9	4.4	4.4	4.4
115°	7.3	7.3	7.3	7.3	5.9	5.9	4.4	4.4	4.4	4.4	2.9
117.5°	5.9	5.9	5.9	5.9	5.9	4.4	4.4	4.4	4.4	2.9	4.4
120°	5.9	5.9	5.9	5.9	4.4	4.4	4.4	2.9	2.9	2.9	2.9
122.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	2.9	2.9	2.9	2.9
125°	4.4	4.4	4.4	4.4	4.4	2.9	2.9	2.9	2.9	2.9	2.9
127.5°	4.4	4.4	2.9	4.4	2.9	2.9	2.9	2.9	2.9	1.5	2.9
130°	4.4	4.4	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5
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: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2	394.2
2.5°	391.2	391.2	392.7	391.2	391.2	388.3	386.8	385.4	385.4	385.4
5°	389.8	389.8	388.3	385.4	383.9	381.0	378.0	376.6	375.1	376.6
7.5°	386.8	383.9	381.0	375.1	370.7	369.2	363.4	361.9	361.9	361.9
10°	381.0	378.0	370.7	363.4	360.5	356.1	351.7	347.3	348.7	350.2
12.5°	379.5	372.2	366.3	359.0	354.6	347.3	345.8	341.4	339.9	339.9
15°	381.0	375.1	367.8	361.9	356.1	353.1	347.3	345.8	341.4	344.3
17.5°	386.8	378.0	372.2	366.3	360.5	357.5	353.1	350.2	351.7	351.7
20°	392.7	383.9	378.0	373.6	367.8	363.4	361.9	359.0	360.5	357.5
22.5°	401.5	392.7	388.3	382.4	378.0	375.1	372.2	373.6	370.7	372.2
25°	413.2	405.9	400.0	395.6	391.2	388.3	388.3	388.3	386.8	388.3
27.5°	429.3	422.0	417.6	414.7	410.3	407.3	404.4	405.9	407.3	405.9
30°	444.0	435.2	433.7	430.8	427.9	426.4	426.4	426.4	426.4	429.3
32.5°	467.4	458.6	455.7	455.7	452.8	451.3	449.8	452.8	454.2	452.8
35°	504.1	492.3	489.4	487.9	486.5	486.5	487.9	487.9	487.9	487.9
37.5°	549.5	533.4	530.4	529.0	529.0	529.0	527.5	529.0	533.4	534.8
40°	570.0	559.7	564.1	571.5	575.9	575.9	574.4	577.3	581.7	581.7
42.5°	461.6	439.6	455.7	485.0	504.1	527.5	531.9	546.5	558.3	558.3
45°	375.1	284.3	290.1	309.2	318.0	338.5	350.2	363.4	370.7	360.5
47.5°	422.0	183.2	150.9	156.8	134.8	162.6	181.7	202.2	206.6	211.0
50°	662.3	189.0	127.5	92.3	61.5	82.1	86.5	98.2	95.2	96.7
52.5°	804.4	216.9	127.5	82.1	51.3	54.2	49.8	55.7	58.6	64.5
55°	902.6	260.8	165.6	104.0	60.1	36.6	24.9	19.0	17.6	17.6
57.5°	949.5	319.4	215.4	148.0	93.8	51.3	22.0	16.1	14.7	13.2
60°	993.5	382.4	272.5	202.2	148.0	90.8	41.0	16.1	13.2	13.2
62.5°	1033.0	445.4	329.7	262.3	208.1	142.1	76.2	27.8	14.7	14.7
65°	1065.3	458.6	334.1	284.3	224.2	167.0	99.6	33.7	16.1	16.1
67.5°	1074.0	436.7	322.4	260.8	209.5	142.1	77.7	27.8	19.0	17.6
70°	1015.4	414.7	323.8	247.6	189.0	126.0	51.3	32.2	24.9	23.4
72.5°	918.7	383.9	307.7	240.3	181.7	127.5	60.1	52.7	46.9	44.0
75°	808.8	347.3	284.3	230.0	175.8	123.1	70.3	65.9	60.1	58.6
77.5°	649.1	288.7	238.8	194.9	148.0	98.2	58.6	55.7	48.4	48.4
80°	426.4	215.4	180.2	149.5	112.8	68.9	44.0	39.6	35.2	33.7
82.5°	174.4	126.0	108.4	93.8	73.3	44.0	29.3	24.9	20.5	19.0
85°	85.0	63.0	54.2	44.0	36.6	24.9	19.0	16.1	11.7	11.7
87.5°	68.9	49.8	41.0	33.7	24.9	17.6	13.2	10.3	7.3	5.9
90°	63.0	44.0	35.2	27.8	20.5	14.7	8.8	7.3	4.4	2.9
92.5°	57.1	38.1	30.8	22.0	16.1	11.7	5.9	4.4	2.9	2.9
95°	46.9	29.3	23.4	17.6	13.2	8.8	5.9	2.9	1.5	1.5
97.5°	33.7	22.0	17.6	13.2	10.3	5.9	4.4	2.9	1.5	1.5
100°	23.4	14.7	13.2	10.3	7.3	4.4	2.9	1.5	1.5	1.5
102.5°	11.7	8.8	8.8	7.3	5.9	4.4	1.5	1.5	0.0	0.0
105°	7.3	5.9	5.9	4.4	2.9	2.9	1.5	1.5	0.0	0.0
107.5°	4.4	4.4	4.4	2.9	2.9	1.5	1.5	0.0	0.0	0.0
110°	4.4	2.9	2.9	2.9	1.5	1.5	1.5	0.0	0.0	0.0

REPORT NUMBER: P691361

CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0
115°	2.9	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
117.5°	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
120°	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	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)