

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: P691107

Luminaire Tested: **CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691107
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-C013-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: 2447 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 20.4
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



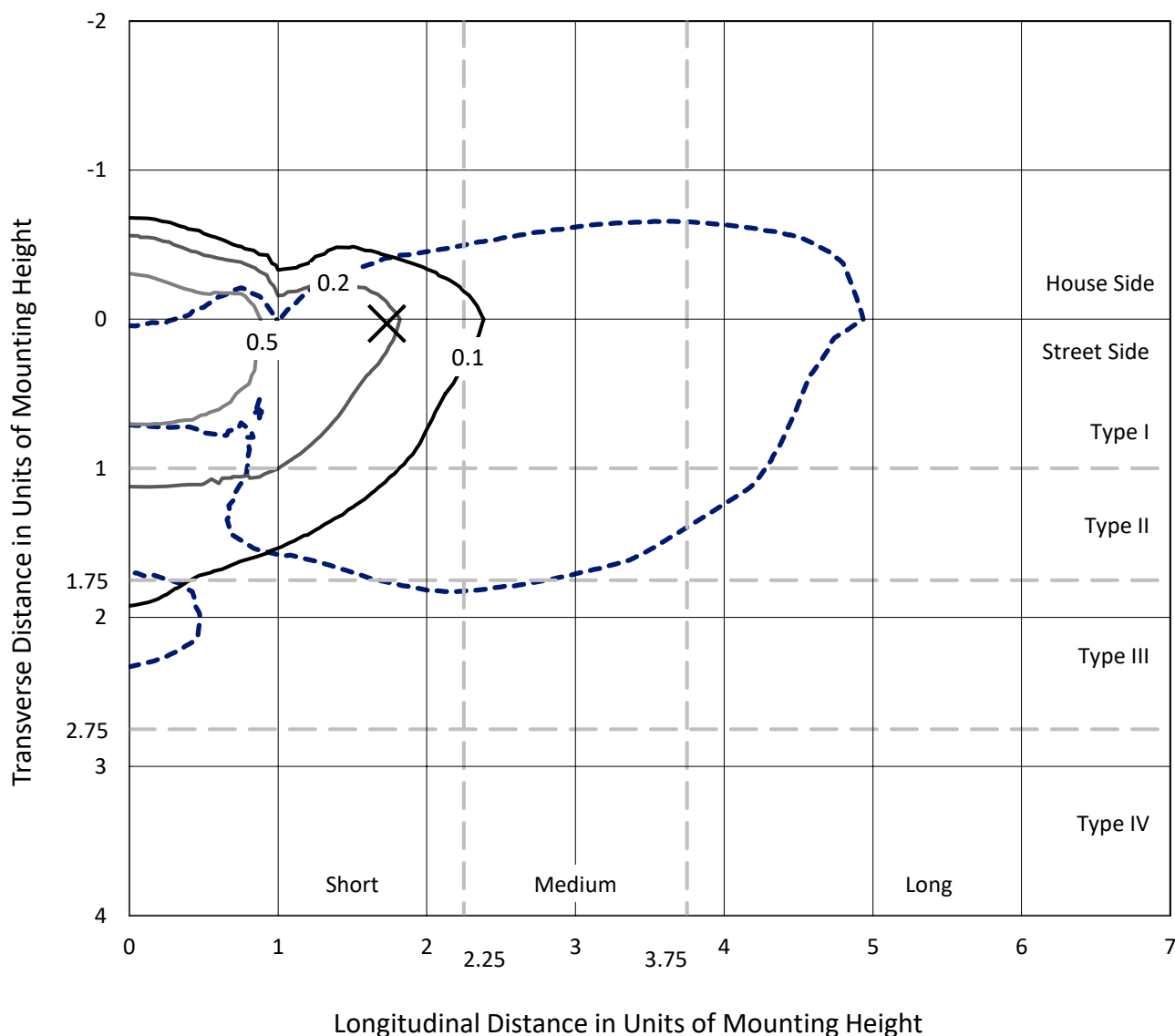
REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



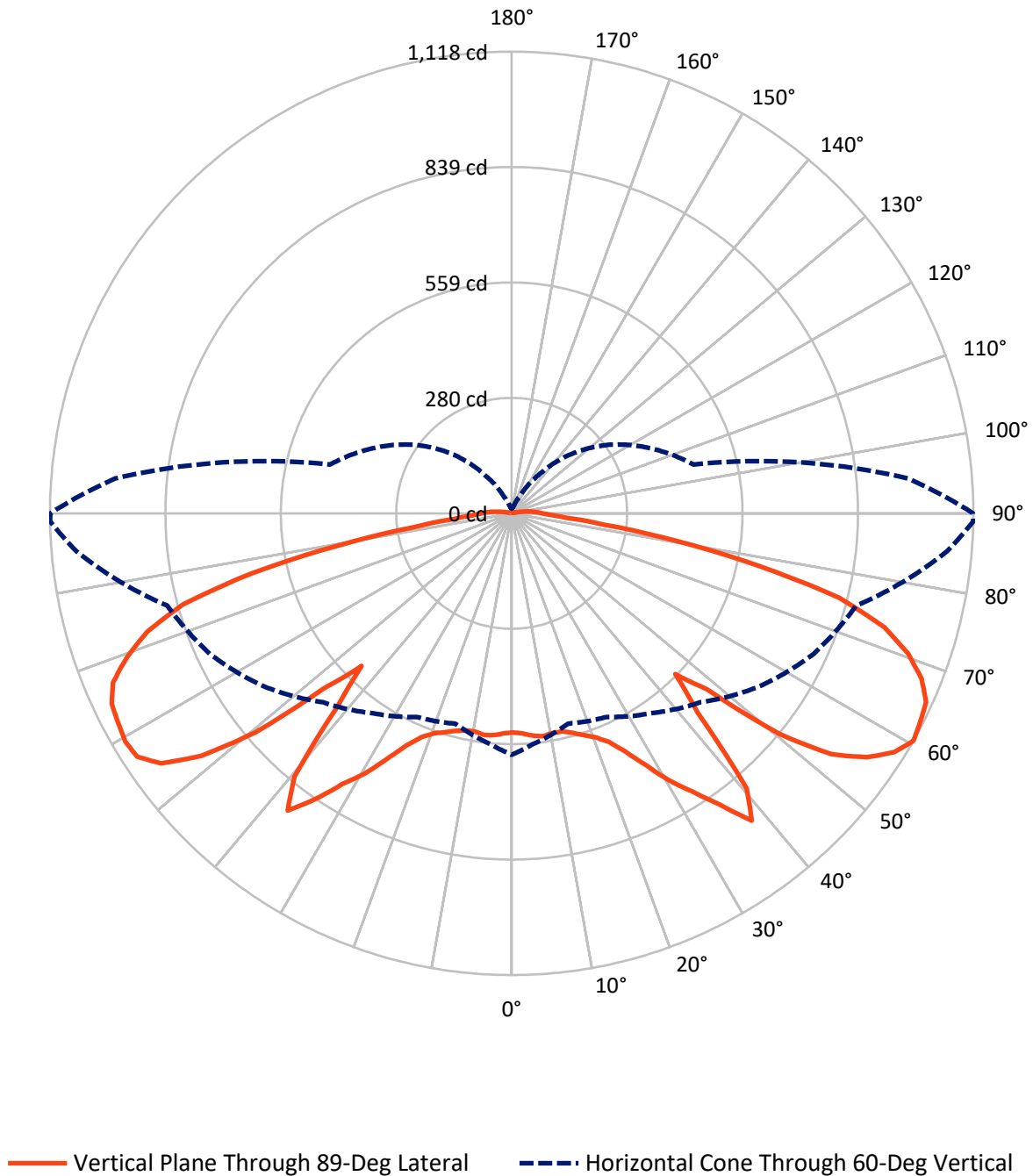
Based on 25 foot mounting height. Maximum calculated value = 1 fc

Type III - Short - N/A

REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

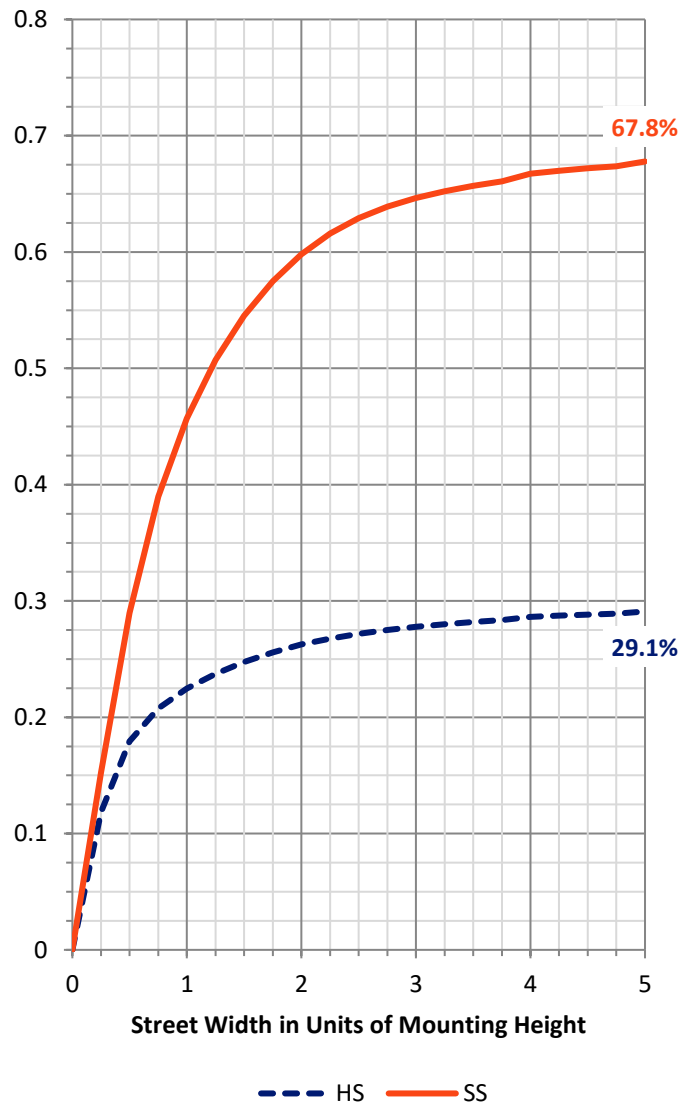
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	726.4	13.6	740.1
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	1680.6	26.3	1707.0
	% Fixture	68.7	1.1	69.8
Total	Lumens	2407.1	39.9	2447.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	2.1
10°-20°	150.5	6.2
20°-30°	248.4	10.2
30°-40°	337.0	13.8
40°-50°	280.7	11.5
50°-60°	388.7	15.9
60°-70°	479.1	19.6
70°-80°	362.8	14.8
80°-90°	108.9	4.4
90°-100°	28.2	1.2
100°-110°	6.4	0.3
110°-120°	3.0	0.1
120°-130°	2.1	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°	2407.1	98.4
0°-180°	2447.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691107

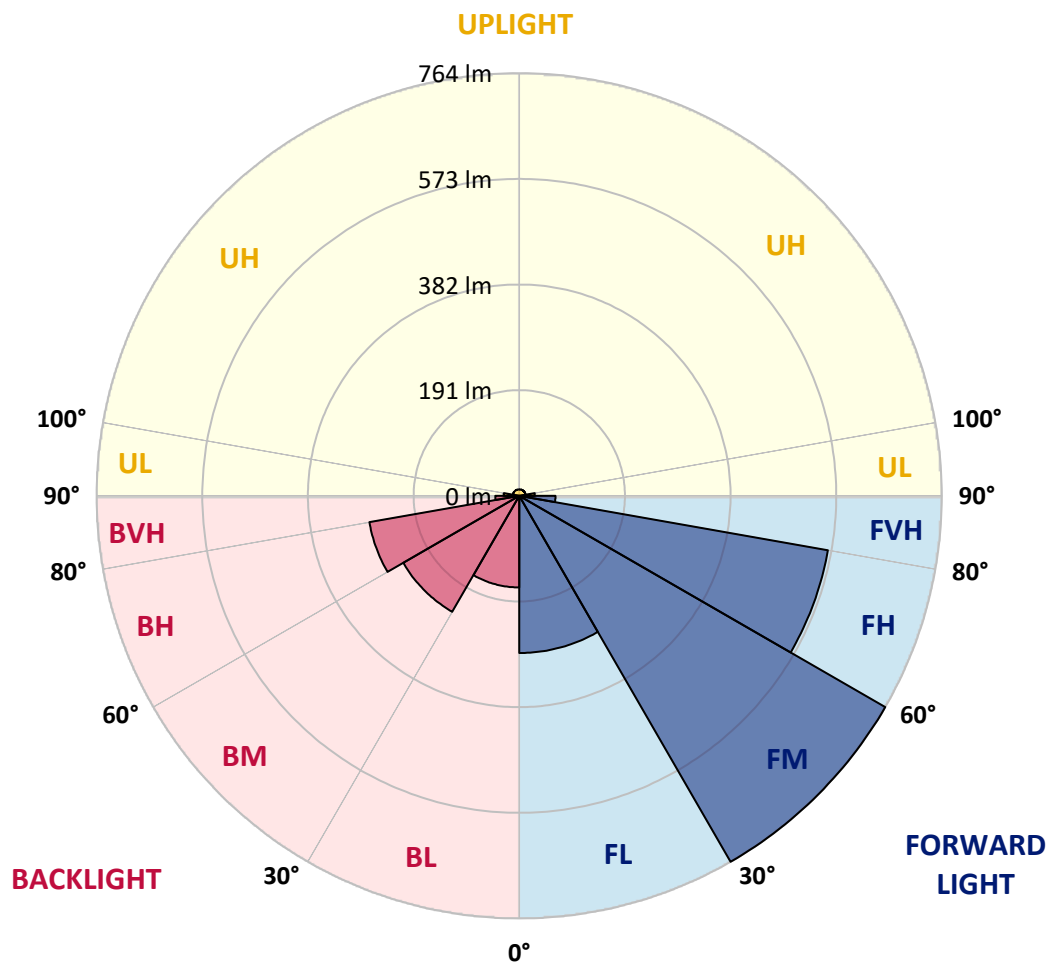
CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.2	11.6			
FM	(30°-60°)	764.2	31.2			
FH	(60°-80°)	566.7	23.2			G0/660
FVH	(80°-90°)	65.5	2.7			G1/100
BL	(0°-30°)	165.7	6.8	B1/500		
BM	(30°-60°)	242.2	9.9	B1/1000		
BH	(60°-80°)	275.2	11.2	B1/500		G1/500
BVH	(80°-90°)	43.4	1.8			G1/100
UL	(90°-100°)	28.2	1.2		U2/50	
UH	(100°-180°)	11.7	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4
2.5°	556.6	553.7	553.7	553.7	547.8	547.8	544.0	542.0	538.1	535.2	534.2
5°	588.6	586.7	586.7	585.7	579.9	576.0	568.2	561.4	555.6	545.9	541.0
7.5°	613.9	611.0	611.0	610.0	604.2	599.3	590.6	575.0	563.4	552.7	544.9
10°	622.6	621.7	620.7	617.8	612.9	609.0	601.3	586.7	568.2	550.8	541.0
12.5°	639.2	639.2	636.2	632.4	628.5	624.6	613.9	602.2	581.8	554.6	542.0
15°	660.5	658.6	656.6	654.7	651.8	646.0	636.2	621.7	598.4	565.3	551.7
17.5°	669.3	668.3	668.3	669.3	668.3	664.4	662.5	646.0	621.7	579.9	564.4
20°	671.2	672.2	674.1	680.9	682.9	680.9	683.8	674.1	646.0	599.3	578.9
22.5°	682.9	684.8	688.7	695.5	698.4	701.3	704.2	712.0	683.8	629.4	601.3
25°	678.0	680.0	691.6	702.3	713.0	721.7	740.2	757.7	737.3	674.1	638.2
27.5°	665.4	669.3	689.7	711.0	737.3	760.6	794.6	815.9	799.4	730.5	689.7
30°	676.1	676.1	689.7	720.7	754.7	807.2	851.9	876.2	864.5	784.9	749.9
32.5°	653.7	659.6	687.7	734.3	786.8	853.8	897.5	940.3	944.2	857.7	803.3
35°	584.8	594.5	617.8	680.0	760.6	877.1	953.9	1011.2	1029.6	945.1	865.5
37.5°	481.8	488.6	529.4	591.6	687.7	799.4	922.8	1053.0	1104.4	1001.5	944.2
40°	426.4	431.3	455.6	507.0	595.4	703.3	800.4	925.7	953.9	914.0	876.2
42.5°	408.0	415.7	445.9	493.5	565.3	641.1	656.6	703.3	688.7	693.6	660.5
45°	433.2	436.1	458.5	500.2	544.0	564.4	544.0	576.0	591.6	588.6	555.6
47.5°	445.9	450.7	475.0	528.4	528.4	529.4	554.6	574.1	618.8	660.5	637.2
50°	382.7	389.5	434.2	476.9	483.7	564.4	630.4	668.3	714.9	826.6	840.2
52.5°	360.4	365.2	413.8	499.3	548.8	631.4	672.2	707.1	747.0	931.5	969.4
55°	394.4	403.1	460.4	548.8	603.2	652.8	705.2	755.7	798.5	1014.1	1042.3
57.5°	455.6	472.1	507.0	556.6	608.1	652.8	722.7	784.9	841.2	1046.2	1091.8
60°	584.8	562.4	527.4	544.0	590.6	646.9	731.4	806.2	863.5	1057.8	1118.0
62.5°	645.0	628.5	543.0	520.6	561.4	626.5	714.9	806.2	855.8	1035.5	1110.3
65°	623.6	610.0	548.8	493.5	525.5	598.4	689.7	794.6	838.3	1007.3	1102.5
67.5°	531.3	517.7	498.3	477.9	491.5	570.2	666.4	773.2	818.9	984.0	1070.4
70°	432.3	424.5	417.7	433.2	458.5	527.4	619.7	725.6	780.0	927.6	1018.0
72.5°	368.1	363.3	351.6	367.2	407.0	470.1	549.8	655.7	720.7	832.5	943.2
75°	312.8	309.9	306.0	313.7	339.0	398.3	461.4	565.3	644.0	726.6	819.8
77.5°	253.5	249.6	258.4	260.3	279.8	322.5	363.3	449.7	537.2	570.2	612.0
80°	184.6	188.4	203.0	197.2	211.8	226.3	255.5	293.4	362.3	399.2	402.1
82.5°	129.2	133.1	146.7	132.1	136.0	137.0	147.6	161.2	189.4	220.5	224.4
85°	91.3	93.3	96.2	85.5	85.5	85.5	92.3	100.0	114.6	127.2	130.2
87.5°	65.1	65.1	69.0	65.1	64.1	63.1	67.0	69.9	78.7	87.4	89.4
90°	48.6	48.6	50.5	48.6	48.6	48.6	52.5	55.4	63.1	70.9	71.9
92.5°	35.0	35.0	37.9	36.9	36.9	37.9	41.8	43.7	50.5	58.3	59.3
95°	27.2	27.2	29.1	28.2	28.2	30.1	33.0	35.0	39.8	43.7	44.7
97.5°	19.4	19.4	20.4	20.4	20.4	20.4	22.3	25.3	31.1	31.1	30.1
100°	13.6	13.6	14.6	13.6	13.6	14.6	14.6	16.5	19.4	18.5	18.5
102.5°	9.7	9.7	9.7	9.7	9.7	8.7	8.7	9.7	10.7	9.7	9.7
105°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	5.8
107.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	4.9	4.9
110°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9



REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9
115°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9
117.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
120°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	2.9
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
130°	2.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.9
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: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4	530.4
2.5°	533.3	531.3	525.5	518.7	512.9	508.0	503.2	499.3	498.3	496.4	498.3
5°	540.1	533.3	519.7	510.9	503.2	495.4	487.6	483.7	480.8	478.9	478.9
7.5°	543.0	533.3	517.7	506.1	489.6	473.1	463.3	455.6	452.7	455.6	455.6
10°	538.1	526.5	508.0	490.5	468.2	454.6	441.0	434.2	430.3	430.3	427.4
12.5°	540.1	526.5	499.3	473.1	454.6	430.3	413.8	406.0	400.2	402.1	402.1
15°	547.8	529.4	491.5	465.3	433.2	413.8	393.4	388.5	387.6	384.7	382.7
17.5°	559.5	532.3	489.6	447.8	414.8	391.5	372.0	363.3	358.4	355.5	354.5
20°	572.1	536.2	483.7	431.3	395.3	365.2	341.9	330.3	326.4	326.4	324.4
22.5°	593.5	549.8	478.9	423.5	369.1	339.0	315.7	299.2	291.4	290.4	289.5
25°	628.5	576.0	483.7	406.0	353.6	308.9	282.7	268.1	259.4	256.4	256.4
27.5°	681.9	612.0	490.5	396.3	321.5	280.7	251.6	229.2	216.6	217.6	218.6
30°	739.2	665.4	510.0	380.8	301.1	240.9	205.9	188.4	176.8	172.9	171.0
32.5°	785.8	720.7	538.1	368.1	263.2	192.3	162.2	149.6	137.0	126.3	122.4
35°	857.7	767.4	562.4	349.7	232.2	157.4	131.1	111.7	101.0	96.2	94.2
37.5°	922.8	813.0	580.9	345.8	188.4	135.0	103.9	83.5	72.9	71.9	71.9
40°	844.1	755.7	567.3	314.7	148.6	104.9	74.8	59.3	51.5	47.6	47.6
42.5°	646.0	578.9	432.3	262.3	106.8	70.9	47.6	44.7	43.7	39.8	39.8
45°	541.0	427.4	262.3	137.0	50.5	38.9	34.0	34.0	35.0	37.9	37.9
47.5°	649.8	505.1	193.3	98.1	49.5	34.0	30.1	27.2	25.3	24.3	24.3
50°	841.2	718.8	246.7	116.6	59.3	35.0	27.2	24.3	23.3	22.3	20.4
52.5°	981.1	842.2	325.4	177.8	95.2	44.7	27.2	20.4	15.5	13.6	12.6
55°	1065.6	950.0	383.7	255.5	154.4	74.8	34.0	18.5	13.6	11.7	10.7
57.5°	1111.2	962.6	432.3	325.4	227.3	133.1	59.3	22.3	13.6	10.7	10.7
60°	1117.1	964.6	455.6	372.0	289.5	202.0	112.7	43.7	17.5	12.6	11.7
62.5°	1112.2	948.0	461.4	390.5	327.3	258.4	177.8	86.5	27.2	14.6	13.6
65°	1103.5	949.0	435.2	374.0	327.3	276.8	205.9	113.6	38.9	16.5	15.5
67.5°	1074.3	946.1	420.6	338.0	296.3	247.7	184.6	105.9	44.7	20.4	19.4
70°	1015.1	911.1	411.9	323.5	277.8	220.5	155.4	84.5	50.5	35.0	37.9
72.5°	948.0	848.0	403.1	310.8	271.0	219.5	156.4	91.3	68.0	57.3	61.2
75°	848.0	738.2	387.6	298.2	267.1	226.3	158.3	86.5	64.1	51.5	50.5
77.5°	652.8	613.9	353.6	267.1	242.8	208.8	135.0	66.1	47.6	35.9	35.0
80°	426.4	421.6	275.9	215.6	205.0	184.6	112.7	51.5	37.9	29.1	27.2
82.5°	240.9	231.2	171.9	136.0	144.7	149.6	91.3	38.9	29.1	23.3	21.4
85°	137.0	138.9	100.0	73.8	74.8	88.4	59.3	27.2	18.5	13.6	12.6
87.5°	94.2	97.1	65.1	49.5	44.7	41.8	31.1	16.5	10.7	6.8	4.9
90°	76.7	76.7	48.6	35.9	31.1	27.2	17.5	9.7	7.8	3.9	2.9
92.5°	62.2	65.1	40.8	29.1	24.3	21.4	13.6	6.8	4.9	2.9	1.9
95°	46.6	49.5	33.0	24.3	19.4	16.5	11.7	5.8	3.9	1.9	1.9
97.5°	32.1	32.1	23.3	18.5	15.5	12.6	8.7	4.9	2.9	1.9	1.9
100°	18.5	19.4	13.6	11.7	10.7	9.7	5.8	3.9	1.9	1.0	1.0
102.5°	9.7	9.7	6.8	6.8	5.8	5.8	4.9	2.9	1.9	1.0	1.0
105°	5.8	5.8	4.9	4.9	3.9	3.9	2.9	1.9	1.0	0.0	1.0
107.5°	4.9	4.9	3.9	3.9	2.9	2.9	1.9	1.9	1.0	0.0	0.0
110°	3.9	3.9	2.9	2.9	2.9	1.9	1.9	1.0	1.0	0.0	0.0



REPORT NUMBER: P691107

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	3.9	2.9	2.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0
115°	3.9	2.9	2.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0
117.5°	3.9	2.9	1.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0
120°	3.9	2.9	1.9	1.9	1.9	1.9	1.0	1.0	0.0	0.0	0.0
122.5°	3.9	2.9	1.9	1.9	1.9	1.0	1.0	1.0	0.0	0.0	0.0
125°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.0	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	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)