

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: P691131

Luminaire Tested: **CRTK2-C013-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691131
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-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 2212 lumens
Efficiency: N/A
Efficacy: 108.4 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

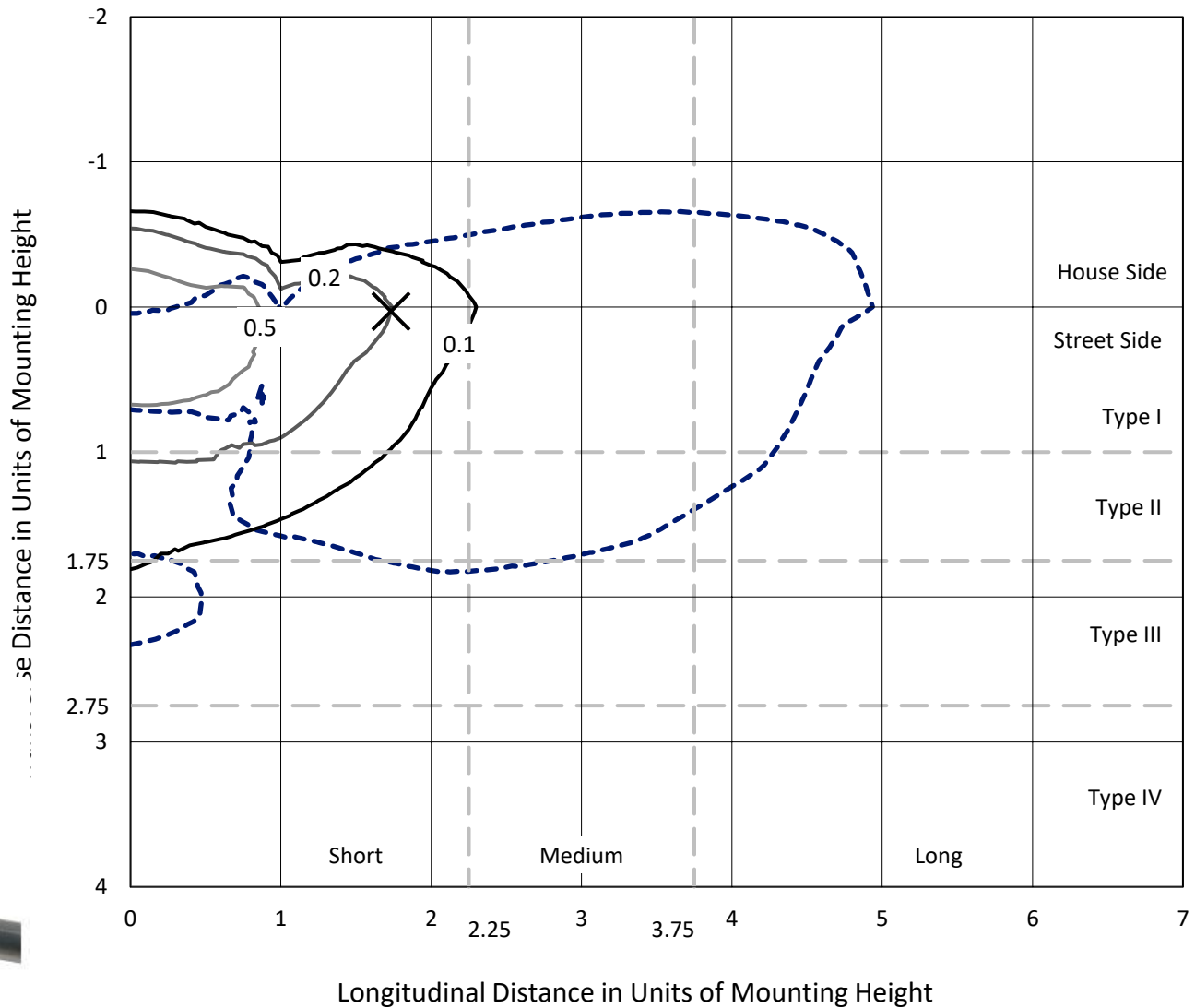


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

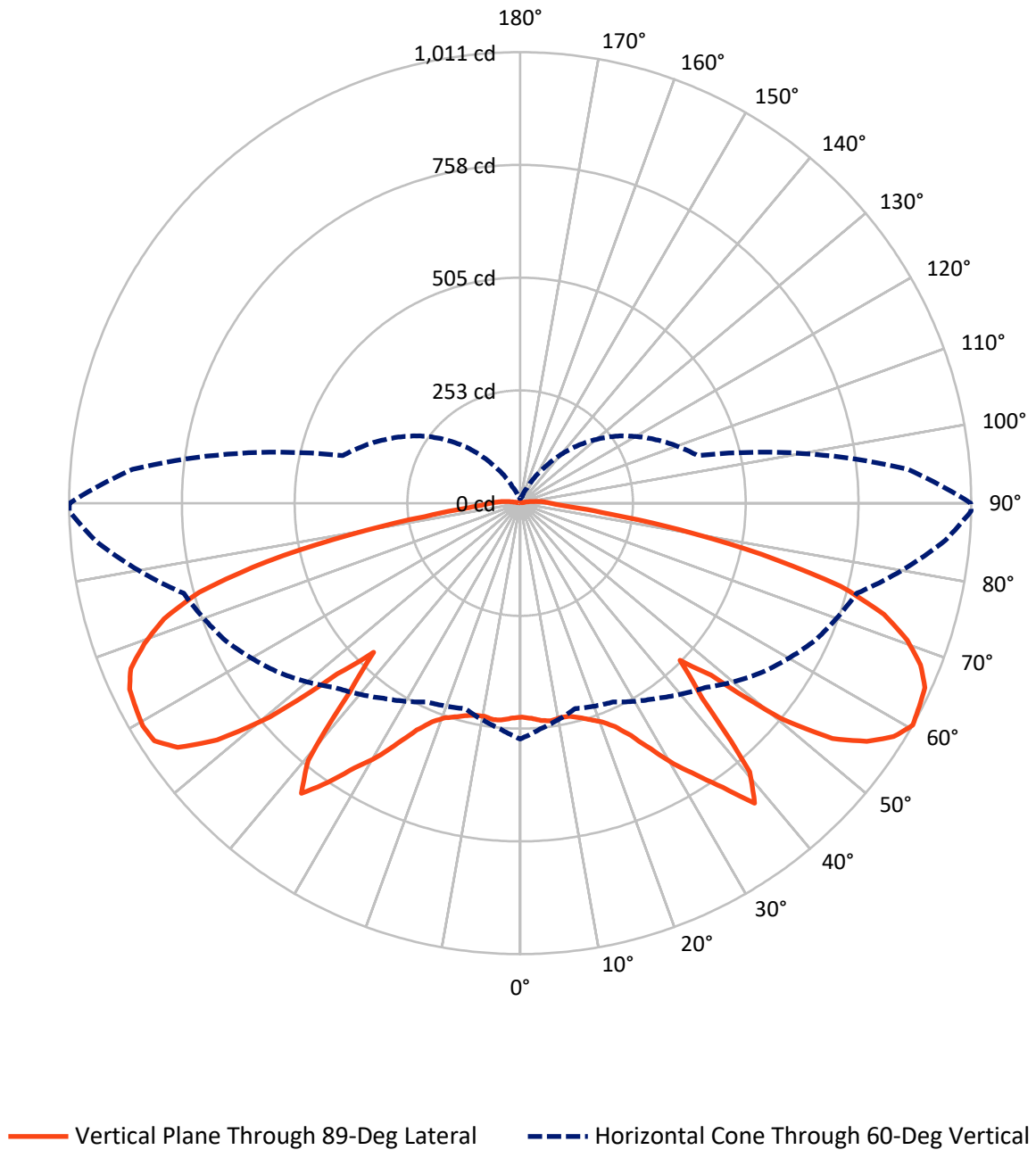


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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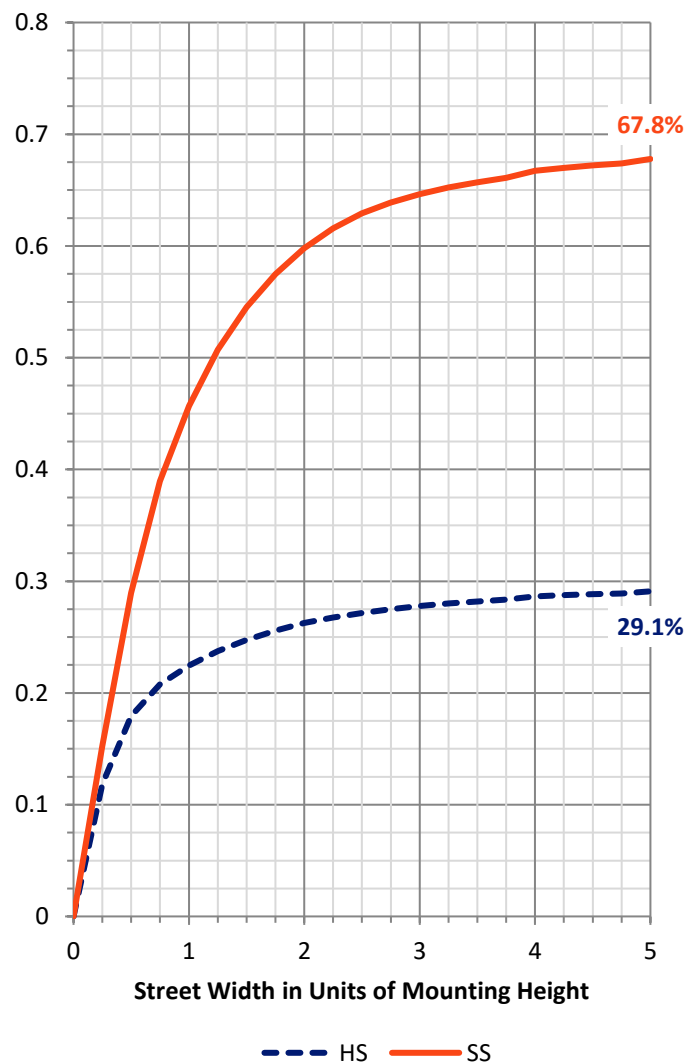
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.7	12.3	669.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	1519.2	23.8	1543.0
	% Fixture	68.7	1.1	69.8
Total	Lumens	2175.9	36.1	2212.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	2.1
10°-20°	136.1	6.2
20°-30°	224.6	10.2
30°-40°	304.6	13.8
40°-50°	253.7	11.5
50°-60°	351.4	15.9
60°-70°	433.1	19.6
70°-80°	327.9	14.8
80°-90°	98.4	4.4
90°-100°	25.5	1.2
100°-110°	5.8	0.3
110°-120°	2.7	0.1
120°-130°	1.9	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°	2175.9	98.4
0°-180°	2212.0	100.0

Coefficient of Utilization



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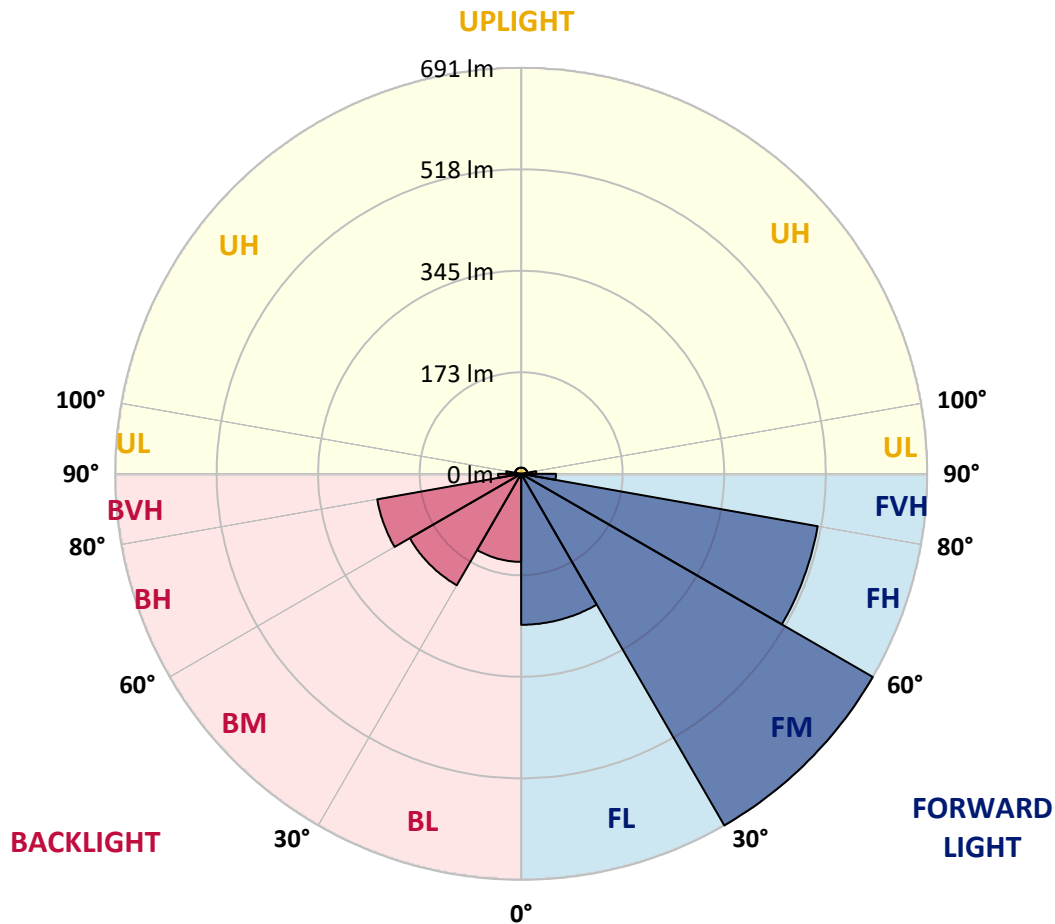
CATALOG NUMBER: CRTK2-C013-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.9	11.6			
FM	(30°-60°)	690.8	31.2			
FH	(60°-80°)	512.3	23.2			G0/660
FVH	(80°-90°)	59.2	2.7			G1/100
BL	(0°-30°)	149.8	6.8	B1/500		
BM	(30°-60°)	218.9	9.9	B0/220		
BH	(60°-80°)	248.7	11.2	B1/500		G1/500
BVH	(80°-90°)	39.2	1.8			G1/100
UL	(90°-100°)	25.5	1.2		U2/50	
UH	(100°-180°)	10.6	0.5		U2/50	

BUG Rating: B1-U2-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4
2.5°	503.1	500.5	500.5	500.5	495.2	495.2	491.7	490.0	486.5	483.8	482.9
5°	532.1	530.4	530.4	529.5	524.2	520.7	513.7	507.5	502.3	493.5	489.1
7.5°	554.9	552.3	552.3	551.4	546.2	541.8	533.9	519.8	509.3	499.6	492.6
10°	562.8	562.0	561.1	558.5	554.1	550.6	543.5	530.4	513.7	497.9	489.1
12.5°	577.8	577.8	575.1	571.6	568.1	564.6	554.9	544.4	526.0	501.4	490.0
15°	597.1	595.3	593.6	591.8	589.2	583.9	575.1	562.0	540.9	511.0	498.7
17.5°	605.0	604.1	604.1	605.0	604.1	600.6	598.8	583.9	562.0	524.2	510.2
20°	606.7	607.6	609.4	615.5	617.3	615.5	618.2	609.4	583.9	541.8	523.3
22.5°	617.3	619.0	622.6	628.7	631.3	634.0	636.6	643.6	618.2	569.0	543.5
25°	612.9	614.7	625.2	634.8	644.5	652.4	669.1	684.9	666.5	609.4	576.9
27.5°	601.5	605.0	623.4	642.7	666.5	687.5	718.3	737.6	722.7	660.3	623.4
30°	611.1	611.1	623.4	651.5	682.3	729.7	770.1	792.0	781.5	709.5	677.9
32.5°	590.9	596.2	621.7	663.8	711.2	771.8	811.3	850.0	853.5	775.3	726.2
35°	528.6	537.4	558.5	614.7	687.5	792.9	862.3	914.1	930.8	854.4	782.4
37.5°	435.5	441.7	478.5	534.7	621.7	722.7	834.2	951.8	998.4	905.3	853.5
40°	385.5	389.9	411.8	458.4	538.3	635.7	723.5	836.8	862.3	826.3	792.0
42.5°	368.8	375.8	403.0	446.1	511.0	579.5	593.6	635.7	622.6	626.9	597.1
45°	391.6	394.3	414.5	452.2	491.7	510.2	491.7	520.7	534.7	532.1	502.3
47.5°	403.0	407.4	429.4	477.7	477.7	478.5	501.4	518.9	559.3	597.1	576.0
50°	346.0	352.1	392.5	431.1	437.3	510.2	569.9	604.1	646.3	747.2	759.5
52.5°	325.8	330.2	374.1	451.3	496.1	570.7	607.6	639.2	675.2	842.1	876.3
55°	356.5	364.4	416.2	496.1	545.3	590.1	637.5	683.1	721.8	916.7	942.2
57.5°	411.8	426.7	458.4	503.1	549.7	590.1	653.3	709.5	760.4	945.7	987.0
60°	528.6	508.4	476.8	491.7	533.9	584.8	661.2	728.8	780.6	956.2	1010.7
62.5°	583.0	568.1	490.8	470.6	507.5	566.4	646.3	728.8	773.6	936.0	1003.6
65°	563.7	551.4	496.1	446.1	475.0	540.9	623.4	718.3	757.8	910.6	996.6
67.5°	480.3	468.0	450.5	432.0	444.3	515.4	602.4	698.9	740.2	889.5	967.6
70°	390.7	383.7	377.6	391.6	414.5	476.8	560.2	655.9	705.1	838.6	920.2
72.5°	332.8	328.4	317.9	331.9	367.9	425.0	497.0	592.7	651.5	752.5	852.6
75°	282.7	280.1	276.6	283.6	306.4	360.0	417.1	511.0	582.2	656.8	741.1
77.5°	229.2	225.7	233.6	235.3	252.9	291.5	328.4	406.5	485.6	515.4	553.2
80°	166.8	170.3	183.5	178.2	191.4	204.6	230.9	265.2	327.5	360.9	363.5
82.5°	116.8	120.3	132.6	119.4	122.9	123.8	133.5	145.8	171.2	199.3	202.8
85°	82.5	84.3	86.9	77.3	77.3	77.3	83.4	90.4	103.6	115.0	117.7
87.5°	58.8	58.8	62.3	58.8	58.0	57.1	60.6	63.2	71.1	79.0	80.8
90°	43.9	43.9	45.7	43.9	43.9	43.9	47.4	50.1	57.1	64.1	65.0
92.5°	31.6	31.6	34.2	33.4	33.4	34.2	37.8	39.5	45.7	52.7	53.6
95°	24.6	24.6	26.3	25.5	25.5	27.2	29.9	31.6	36.0	39.5	40.4
97.5°	17.6	17.6	18.4	18.4	18.4	18.4	20.2	22.8	28.1	28.1	27.2
100°	12.3	12.3	13.2	12.3	12.3	13.2	13.2	14.9	17.6	16.7	16.7
102.5°	8.8	8.8	8.8	8.8	8.8	7.9	7.9	8.8	9.7	8.8	8.8
105°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.3
107.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.4	4.4
110°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.5
115°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.5
117.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
120°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
122.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
125°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	2.6
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
130°	2.6	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.8
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4	479.4
2.5°	482.1	480.3	475.0	468.9	463.6	459.2	454.8	451.3	450.5	448.7	450.5
5°	488.2	482.1	469.8	461.9	454.8	447.8	440.8	437.3	434.6	432.9	432.9
7.5°	490.8	482.1	468.0	457.5	442.5	427.6	418.8	411.8	409.2	411.8	411.8
10°	486.5	475.9	459.2	443.4	423.2	410.9	398.6	392.5	389.0	389.0	386.4
12.5°	488.2	475.9	451.3	427.6	410.9	389.0	374.1	367.0	361.8	363.5	363.5
15°	495.2	478.5	444.3	420.6	391.6	374.1	355.6	351.2	350.4	347.7	346.0
17.5°	505.8	481.2	442.5	404.8	374.9	353.9	336.3	328.4	324.0	321.4	320.5
20°	517.2	484.7	437.3	389.9	357.4	330.2	309.1	298.5	295.0	295.0	293.3
22.5°	536.5	497.0	432.9	382.8	333.7	306.4	285.4	270.4	263.4	262.5	261.7
25°	568.1	520.7	437.3	367.0	319.6	279.2	255.5	242.3	234.4	231.8	231.8
27.5°	616.4	553.2	443.4	358.3	290.6	253.8	227.4	207.2	195.8	196.7	197.6
30°	668.2	601.5	461.0	344.2	272.2	217.8	186.2	170.3	159.8	156.3	154.5
32.5°	710.4	651.5	486.5	332.8	238.0	173.9	146.6	135.2	123.8	114.1	110.6
35°	775.3	693.7	508.4	316.1	209.9	142.2	118.5	101.0	91.3	86.9	85.2
37.5°	834.2	734.9	525.1	312.6	170.3	122.1	94.0	75.5	65.9	65.0	65.0
40°	763.0	683.1	512.8	284.5	134.3	94.8	67.6	53.6	46.5	43.0	43.0
42.5°	583.9	523.3	390.7	237.1	96.6	64.1	43.0	40.4	39.5	36.0	36.0
45°	489.1	386.4	237.1	123.8	45.7	35.1	30.7	30.7	31.6	34.2	34.2
47.5°	587.4	456.6	174.7	88.7	44.8	30.7	27.2	24.6	22.8	22.0	22.0
50°	760.4	649.8	223.0	105.4	53.6	31.6	24.6	22.0	21.1	20.2	18.4
52.5°	886.9	761.3	294.2	160.7	86.1	40.4	24.6	18.4	14.0	12.3	11.4
55°	963.2	858.8	346.8	230.9	139.6	67.6	30.7	16.7	12.3	10.5	9.7
57.5°	1004.5	870.2	390.7	294.2	205.5	120.3	53.6	20.2	12.3	9.7	9.7
60°	1009.8	871.9	411.8	336.3	261.7	182.6	101.9	39.5	15.8	11.4	10.5
62.5°	1005.4	857.0	417.1	353.0	295.9	233.6	160.7	78.1	24.6	13.2	12.3
65°	997.5	857.9	393.4	338.1	295.9	250.3	186.2	102.7	35.1	14.9	14.0
67.5°	971.1	855.2	380.2	305.6	267.8	223.9	166.8	95.7	40.4	18.4	17.6
70°	917.6	823.6	372.3	292.4	251.1	199.3	140.5	76.4	45.7	31.6	34.2
72.5°	857.0	766.6	364.4	281.0	245.0	198.4	141.4	82.5	61.5	51.8	55.3
75°	766.6	667.3	350.4	269.6	241.5	204.6	143.1	78.1	58.0	46.5	45.7
77.5°	590.1	554.9	319.6	241.5	219.5	188.8	122.1	59.7	43.0	32.5	31.6
80°	385.5	381.1	249.4	194.9	185.3	166.8	101.9	46.5	34.2	26.3	24.6
82.5°	217.8	209.0	155.4	122.9	130.8	135.2	82.5	35.1	26.3	21.1	19.3
85°	123.8	125.6	90.4	66.7	67.6	79.9	53.6	24.6	16.7	12.3	11.4
87.5°	85.2	87.8	58.8	44.8	40.4	37.8	28.1	14.9	9.7	6.1	4.4
90°	69.4	69.4	43.9	32.5	28.1	24.6	15.8	8.8	7.0	3.5	2.6
92.5°	56.2	58.8	36.9	26.3	22.0	19.3	12.3	6.1	4.4	2.6	1.8
95°	42.1	44.8	29.9	22.0	17.6	14.9	10.5	5.3	3.5	1.8	1.8
97.5°	29.0	29.0	21.1	16.7	14.0	11.4	7.9	4.4	2.6	1.8	1.8
100°	16.7	17.6	12.3	10.5	9.7	8.8	5.3	3.5	1.8	0.9	0.9
102.5°	8.8	8.8	6.1	6.1	5.3	5.3	4.4	2.6	1.8	0.9	0.9
105°	5.3	5.3	4.4	4.4	3.5	3.5	2.6	1.8	0.9	0.0	0.9
107.5°	4.4	4.4	3.5	3.5	2.6	2.6	1.8	1.8	0.9	0.0	0.0
110°	3.5	3.5	2.6	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0



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CATALOG NUMBER: CRTK2-C013-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.5	3.5	2.6	2.6	1.8	1.8	1.8	0.9	0.9	0.0	0.0
115°	3.5	2.6	2.6	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0
117.5°	3.5	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
120°	3.5	2.6	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0
122.5°	3.5	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
125°	2.6	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
127.5°	2.6	2.6	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
130°	2.6	2.6	1.8	1.8	0.9	0.9	0.9	0.9	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)