

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: P691055

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3084 lumens
Efficiency: N/A
Efficacy: 132.9 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



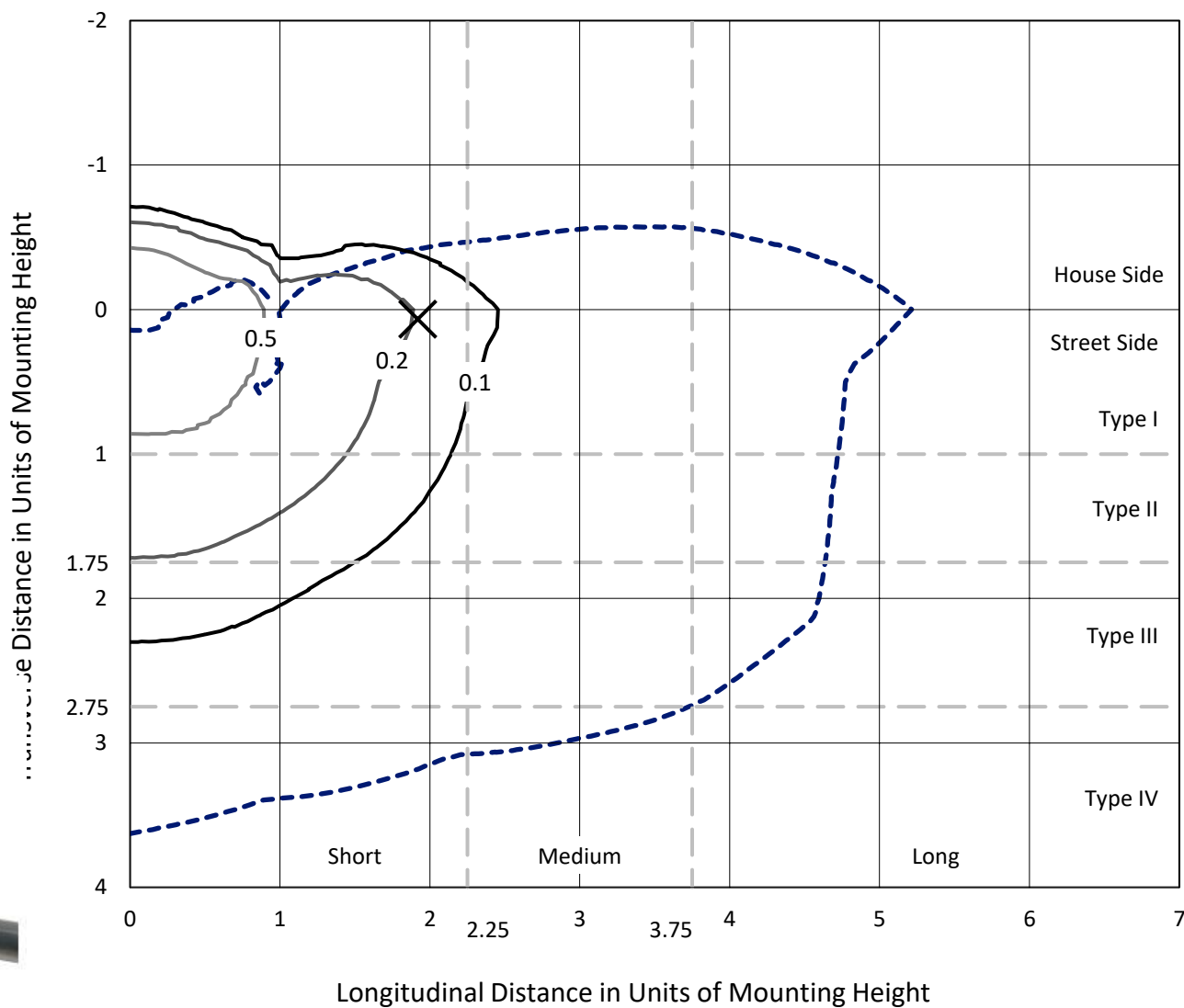
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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

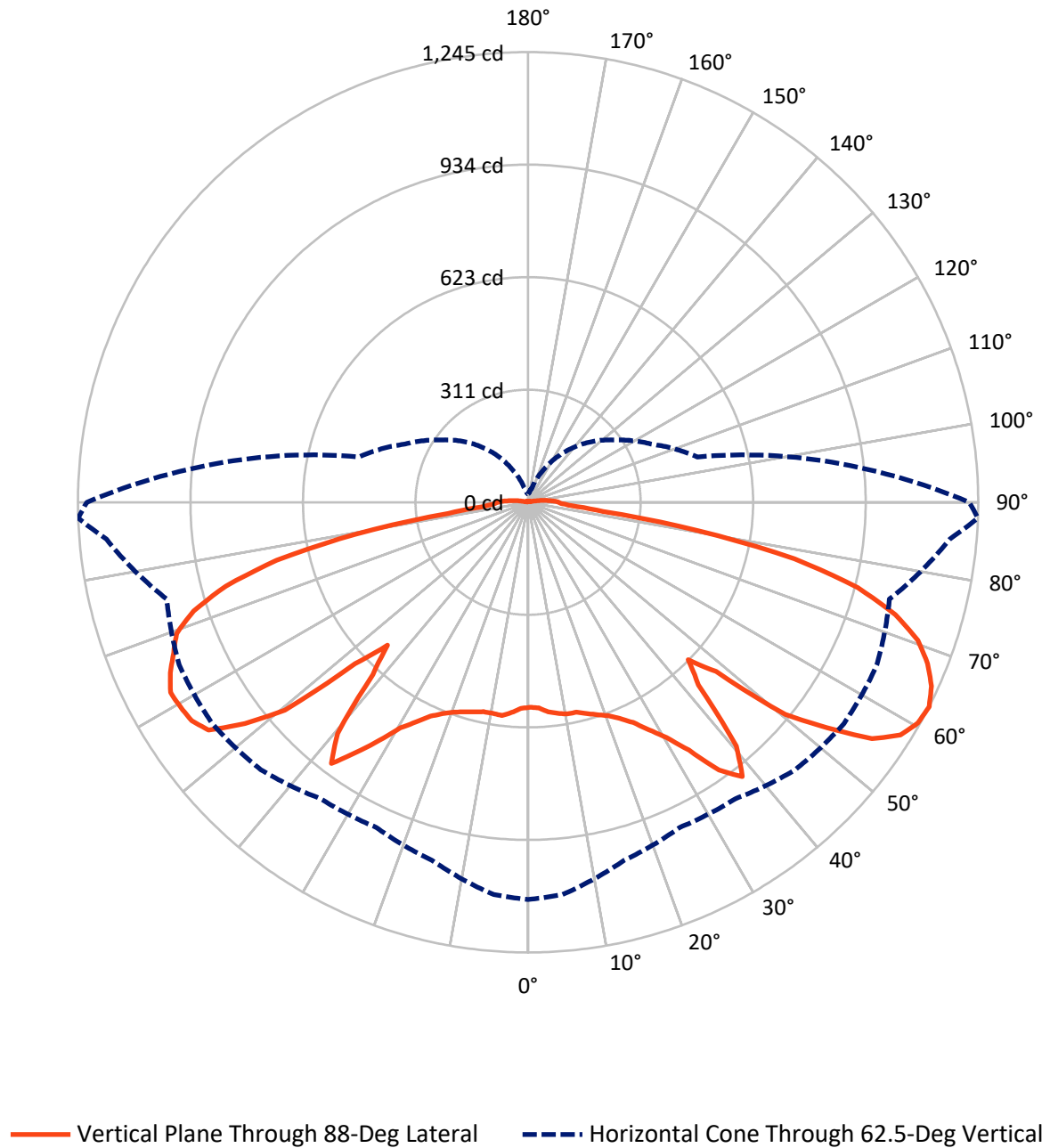


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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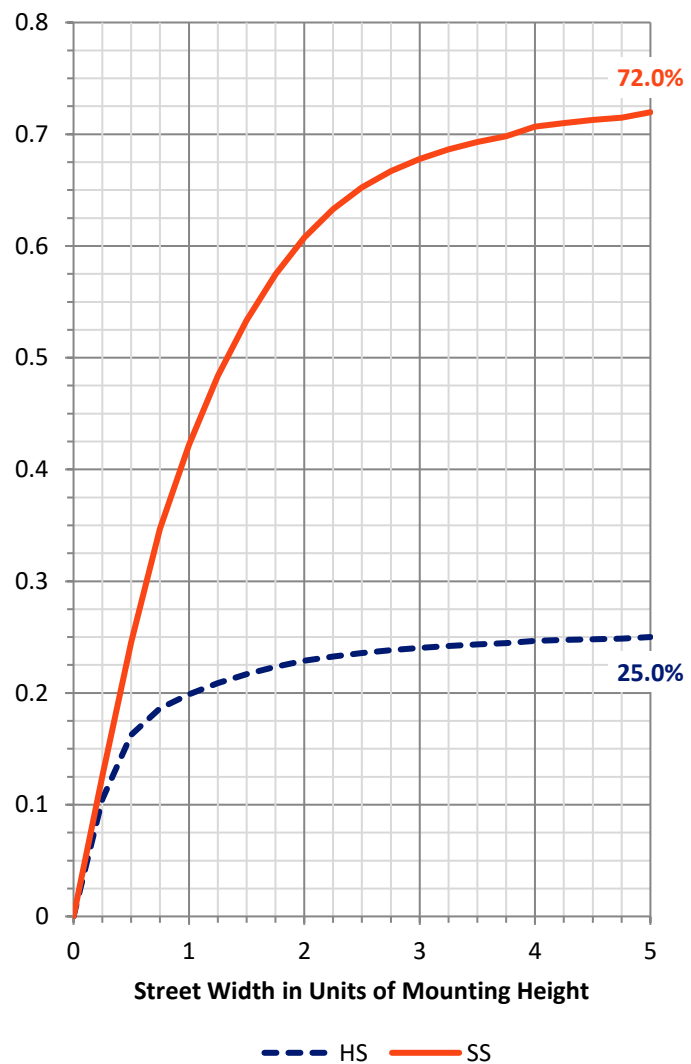
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	784.6	14.8	799.4
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2248.2	36.4	2284.6
	% Fixture	72.9	1.2	74.1
Total	Lumens	3032.8	51.3	3084.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.8
10°-20°	170.7	5.5
20°-30°	289.0	9.4
30°-40°	399.0	12.9
40°-50°	345.1	11.2
50°-60°	499.6	16.2
60°-70°	654.0	21.2
70°-80°	495.8	16.1
80°-90°	123.7	4.0
90°-100°	36.4	1.2
100°-110°	8.4	0.3
110°-120°	3.8	0.1
120°-130°	2.4	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°	3032.8	98.3
0°-180°	3084.0	100.0

Coefficient of Utilization



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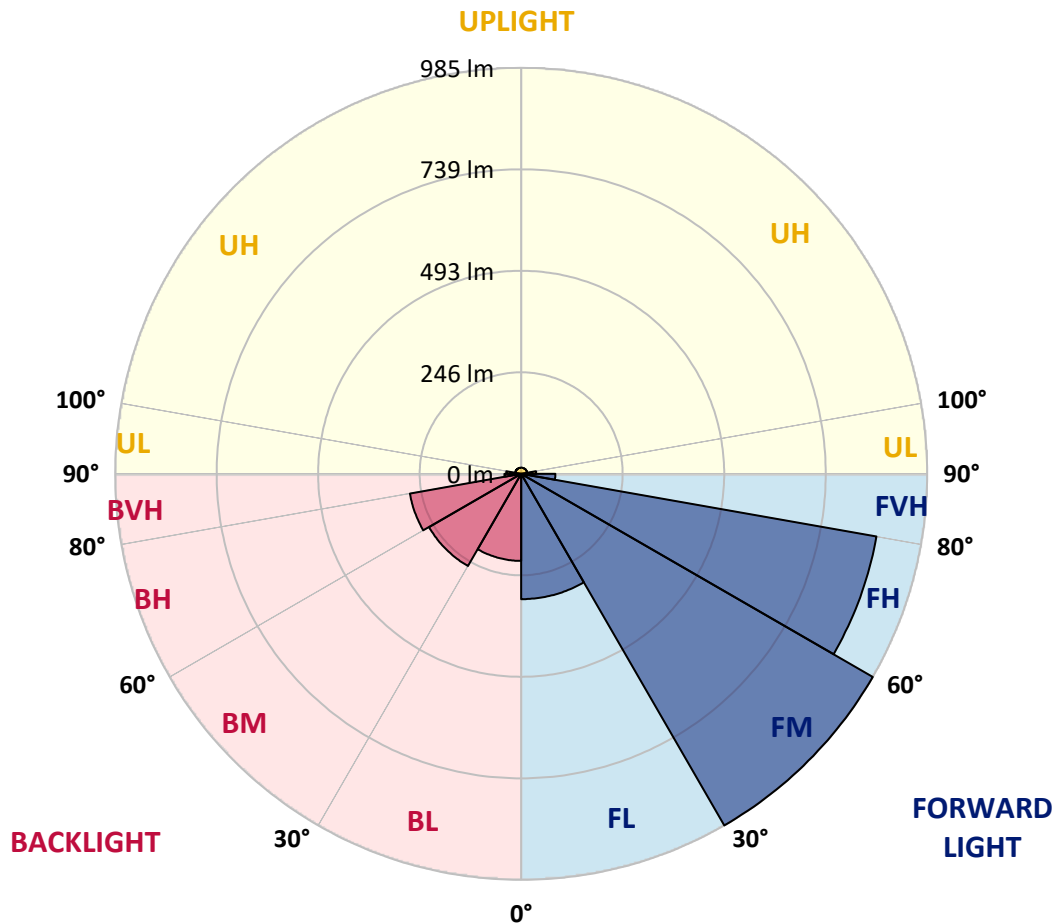
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.3	9.9			
FM	(30°-60°)	985.3	31.9			
FH	(60°-80°)	875.5	28.4			G1/1800
FVH	(80°-90°)	83.1	2.7			G1/100
BL	(0°-30°)	211.3	6.9	B1/500		
BM	(30°-60°)	258.3	8.4	B1/1000		
BH	(60°-80°)	274.3	8.9	B1/500		G1/500
BVH	(80°-90°)	40.6	1.3			G1/100
UL	(90°-100°)	36.4	1.2		U2/50	
UH	(100°-180°)	14.9	0.5		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1
2.5°	561.2	561.2	560.0	561.2	563.6	566.0	563.6	564.8	566.0	568.3	569.5
5°	582.5	581.3	579.0	576.6	574.2	574.2	571.9	570.7	573.0	580.1	582.5
7.5°	600.2	596.7	594.3	595.5	591.9	586.0	581.3	579.0	576.6	586.0	589.6
10°	628.6	626.2	617.9	610.9	606.1	596.7	586.0	584.9	583.7	593.1	595.5
12.5°	656.9	654.6	649.8	642.8	627.4	619.1	602.6	595.5	594.3	600.2	595.5
15°	698.3	693.6	680.6	673.5	658.1	645.1	625.0	614.4	616.8	608.5	606.1
17.5°	721.9	719.6	718.4	707.7	695.9	673.5	654.6	639.2	643.9	625.0	617.9
20°	747.9	746.7	749.1	750.3	734.9	714.8	691.2	667.6	668.7	643.9	629.8
22.5°	781.0	777.4	782.2	788.1	775.1	758.5	727.8	708.9	699.5	666.4	649.8
25°	820.0	818.8	818.8	829.4	827.1	804.6	775.1	753.8	744.4	699.5	674.7
27.5°	860.2	861.3	863.7	870.8	874.3	861.3	833.0	814.1	796.4	737.3	712.5
30°	886.1	886.1	902.7	913.3	918.1	918.1	883.8	869.6	851.9	785.7	755.0
32.5°	918.1	920.4	935.8	953.5	960.6	970.0	941.7	931.0	915.7	846.0	817.6
35°	940.5	944.0	967.7	994.9	1013.8	1018.5	1001.9	1006.7	999.6	925.1	909.8
37.5°	842.4	851.9	887.3	940.5	991.3	1040.9	1058.7	1082.3	1085.8	999.6	962.9
40°	733.7	737.3	777.4	816.4	879.1	919.2	964.1	1016.1	987.8	894.4	887.3
42.5°	651.0	666.4	721.9	751.5	799.9	809.4	786.9	753.8	703.0	694.7	691.2
45°	636.8	652.2	707.7	756.2	779.8	664.0	601.4	557.7	577.8	627.4	621.5
47.5°	703.0	721.9	779.8	835.3	786.9	658.1	616.8	615.6	599.0	684.1	699.5
50°	743.2	758.5	825.9	824.7	785.7	723.1	745.5	720.7	691.2	836.5	922.8
52.5°	763.3	777.4	801.1	830.6	834.2	829.4	835.3	815.3	770.4	971.2	1036.2
55°	707.7	743.2	846.0	896.8	918.1	905.1	908.6	894.4	864.9	1055.1	1154.4
57.5°	886.1	905.1	942.9	955.9	968.9	962.9	967.7	962.9	935.8	1117.7	1214.6
60°	988.9	988.9	1005.5	984.2	991.3	1011.4	1025.6	1025.6	997.2	1163.8	1239.4
62.5°	1098.8	1089.4	1025.6	992.5	1000.8	1045.7	1066.9	1064.6	1035.0	1170.9	1245.3
65°	1077.6	1061.0	1038.6	966.5	975.9	1038.6	1068.1	1066.9	1036.2	1144.9	1226.4
67.5°	919.2	934.6	961.8	955.9	932.2	1004.3	1050.4	1052.7	1017.3	1101.2	1192.2
70°	796.4	805.8	822.3	872.0	882.6	957.0	1030.3	1040.9	993.7	1050.4	1143.7
72.5°	693.6	699.5	686.5	737.3	775.1	873.2	959.4	979.5	931.0	962.9	1062.2
75°	593.1	580.1	564.8	587.2	616.8	720.7	825.9	866.1	823.5	843.6	941.7
77.5°	460.8	441.9	426.5	432.4	459.6	549.4	651.0	714.8	677.0	675.8	753.8
80°	314.3	297.7	287.1	284.7	304.8	360.4	433.6	509.2	476.2	444.3	478.5
82.5°	196.1	196.1	186.7	172.5	171.3	182.0	196.1	215.0	203.2	198.5	209.1
85°	122.9	124.1	119.3	104.0	100.4	102.8	109.9	114.6	111.1	114.6	118.2
87.5°	86.3	85.1	79.2	76.8	75.6	79.2	85.1	87.4	87.4	91.0	91.0
90°	65.0	65.0	61.4	60.3	60.3	63.8	69.7	74.4	78.0	83.9	83.9
92.5°	54.4	54.4	52.0	50.8	50.8	52.0	56.7	62.6	66.2	72.1	69.7
95°	44.9	44.9	43.7	43.7	43.7	44.9	47.3	50.8	52.0	52.0	52.0
97.5°	35.4	34.3	33.1	33.1	33.1	34.3	35.4	39.0	40.2	36.6	36.6
100°	24.8	23.6	22.4	23.6	23.6	23.6	24.8	26.0	26.0	23.6	22.4
102.5°	15.4	15.4	15.4	15.4	14.2	14.2	14.2	14.2	13.0	11.8	11.8
105°	10.6	10.6	9.5	9.5	9.5	9.5	8.3	8.3	8.3	7.1	7.1
107.5°	8.3	8.3	8.3	8.3	8.3	7.1	7.1	7.1	7.1	5.9	5.9
110°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	5.9	4.7	4.7

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	7.1	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9	4.7	4.7
115°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7
117.5°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	5.9	4.7
120°	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7
122.5°	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
125°	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
127.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
130°	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4
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°	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1
2.5°	569.5	571.9	576.6	582.5	587.2	590.8	593.1	595.5	595.5	593.1	595.5
5°	582.5	584.9	593.1	599.0	599.0	595.5	593.1	591.9	594.3	595.5	597.9
7.5°	593.1	595.5	591.9	594.3	596.7	593.1	588.4	584.9	581.3	577.8	580.1
10°	594.3	588.4	588.4	586.0	577.8	579.0	577.8	571.9	567.1	568.3	569.5
12.5°	593.1	590.8	581.3	576.6	573.0	561.2	556.5	560.0	553.0	556.5	551.8
15°	603.8	591.9	582.5	570.7	557.7	551.8	543.5	531.7	527.0	528.1	529.3
17.5°	610.9	599.0	576.6	555.3	548.2	529.3	519.9	514.0	505.7	506.9	511.6
20°	622.7	604.9	573.0	550.6	516.3	503.3	491.5	484.4	477.3	466.7	462.0
22.5°	639.2	616.8	568.3	527.0	497.4	475.0	449.0	431.3	421.8	414.7	413.5
25°	660.5	634.5	569.5	516.3	469.1	436.0	413.5	382.8	360.4	358.0	361.5
27.5°	699.5	654.6	576.6	499.8	445.4	394.6	353.3	332.0	306.0	300.1	300.1
30°	737.3	686.5	571.9	485.6	405.3	348.6	293.0	252.8	238.7	228.0	226.9
32.5°	807.0	731.4	596.7	464.3	368.6	280.0	218.6	174.9	165.4	161.9	160.7
35°	870.8	792.8	599.0	437.2	314.3	217.4	157.1	127.6	121.7	118.2	117.0
37.5°	939.3	851.9	622.7	414.7	261.1	153.6	113.4	91.0	83.9	79.2	76.8
40°	860.2	781.0	612.0	376.9	193.8	98.1	70.9	49.6	42.5	42.5	42.5
42.5°	673.5	593.1	463.2	304.8	113.4	56.7	35.4	34.3	35.4	36.6	36.6
45°	596.7	491.5	283.6	161.9	47.3	31.9	28.4	27.2	30.7	34.3	35.4
47.5°	701.8	584.9	218.6	113.4	50.8	31.9	26.0	26.0	24.8	22.4	22.4
50°	948.8	789.3	250.5	130.0	63.8	35.4	26.0	22.4	22.4	23.6	24.8
52.5°	1070.5	879.1	295.4	169.0	93.3	48.4	28.4	22.4	20.1	16.5	16.5
55°	1175.6	950.0	349.7	218.6	137.1	75.6	40.2	23.6	20.1	16.5	15.4
57.5°	1209.9	958.2	407.6	275.3	186.7	118.2	69.7	33.1	21.3	17.7	16.5
60°	1214.6	967.7	451.3	335.6	243.4	172.5	114.6	60.3	27.2	21.3	20.1
62.5°	1220.5	970.0	484.4	379.3	300.1	233.9	165.4	95.7	41.4	24.8	23.6
65°	1199.3	941.7	476.2	369.8	316.7	258.8	190.2	112.2	47.3	28.4	27.2
67.5°	1163.8	916.9	441.9	340.3	285.9	225.7	163.1	91.0	43.7	33.1	31.9
70°	1135.5	892.1	424.2	337.9	264.7	197.3	131.2	66.2	52.0	44.9	42.5
72.5°	1065.7	833.0	410.0	336.7	264.7	192.6	127.6	70.9	70.9	72.1	67.3
75°	948.8	744.4	388.7	327.3	258.8	191.4	122.9	76.8	76.8	68.5	65.0
77.5°	783.4	609.7	343.8	298.9	235.1	169.0	100.4	63.8	61.4	53.2	50.8
80°	518.7	437.2	274.1	246.9	193.8	135.9	74.4	49.6	46.1	39.0	36.6
82.5°	232.8	209.1	173.7	174.9	139.4	96.9	50.8	34.3	31.9	26.0	24.8
85°	127.6	120.5	94.5	82.7	70.9	50.8	29.5	22.4	18.9	14.2	14.2
87.5°	96.9	93.3	69.7	54.4	41.4	29.5	18.9	14.2	10.6	7.1	5.9
90°	88.6	83.9	56.7	43.7	33.1	23.6	15.4	9.5	7.1	4.7	3.5
92.5°	74.4	70.9	46.1	36.6	28.4	21.3	13.0	7.1	4.7	2.4	2.4
95°	54.4	53.2	34.3	28.4	22.4	17.7	10.6	5.9	3.5	2.4	1.2
97.5°	36.6	35.4	24.8	21.3	17.7	13.0	8.3	4.7	2.4	1.2	1.2
100°	22.4	22.4	15.4	14.2	11.8	9.5	5.9	3.5	2.4	1.2	1.2
102.5°	11.8	10.6	8.3	8.3	7.1	5.9	4.7	2.4	1.2	0.0	0.0
105°	7.1	5.9	5.9	4.7	4.7	3.5	3.5	2.4	1.2	0.0	0.0
107.5°	5.9	4.7	4.7	3.5	3.5	2.4	2.4	1.2	1.2	0.0	0.0
110°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	1.2	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.7	3.5	3.5	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0
115°	4.7	3.5	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
117.5°	4.7	3.5	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
120°	4.7	3.5	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
122.5°	4.7	3.5	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
125°	3.5	2.4	2.4	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
127.5°	3.5	2.4	2.4	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
130°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	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)