

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: P691354

Luminaire Tested: **CRTK2-C015-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691354
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-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 2752 lumens
Efficiency: N/A
Efficacy: 92.0 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): 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

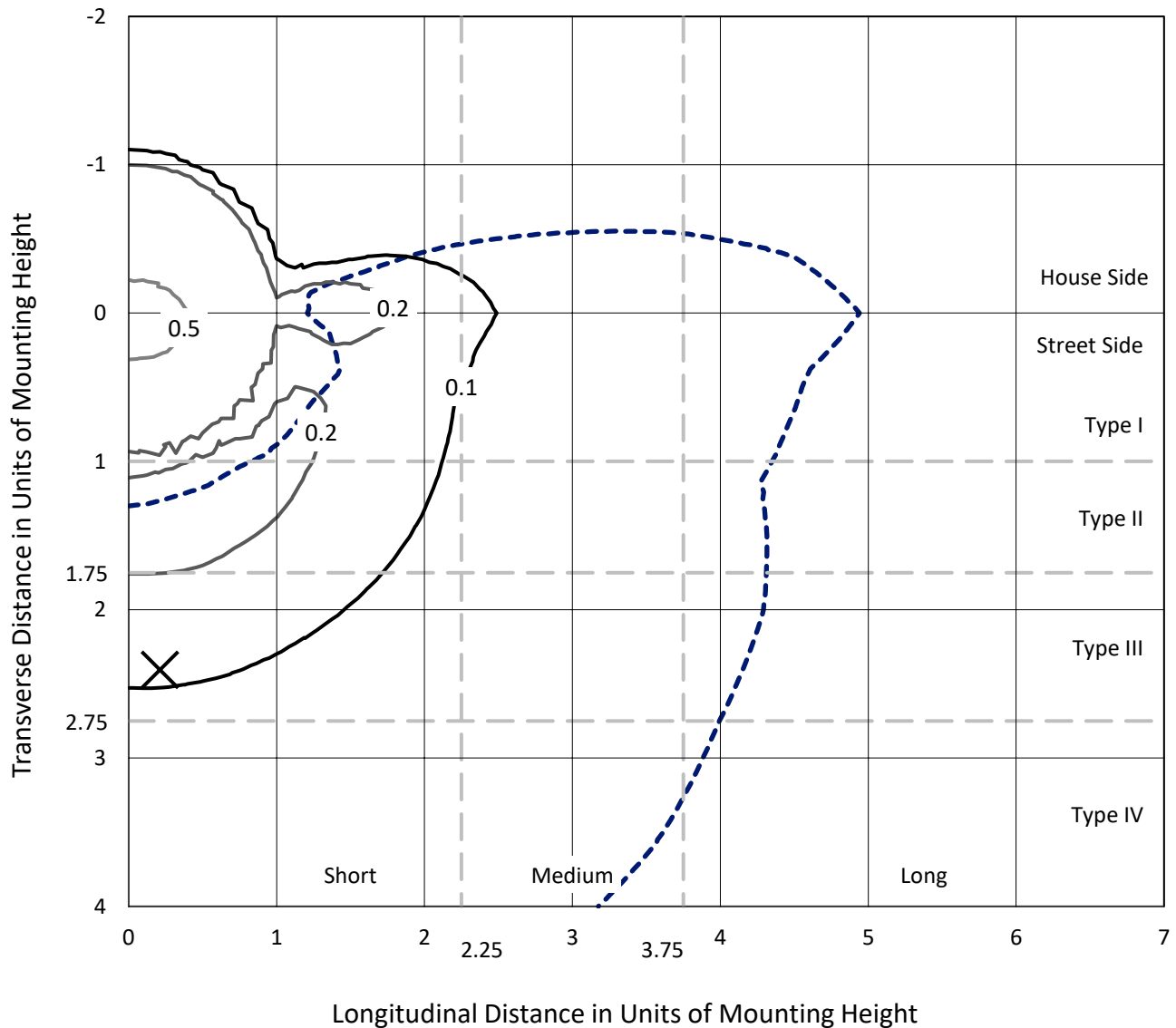


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

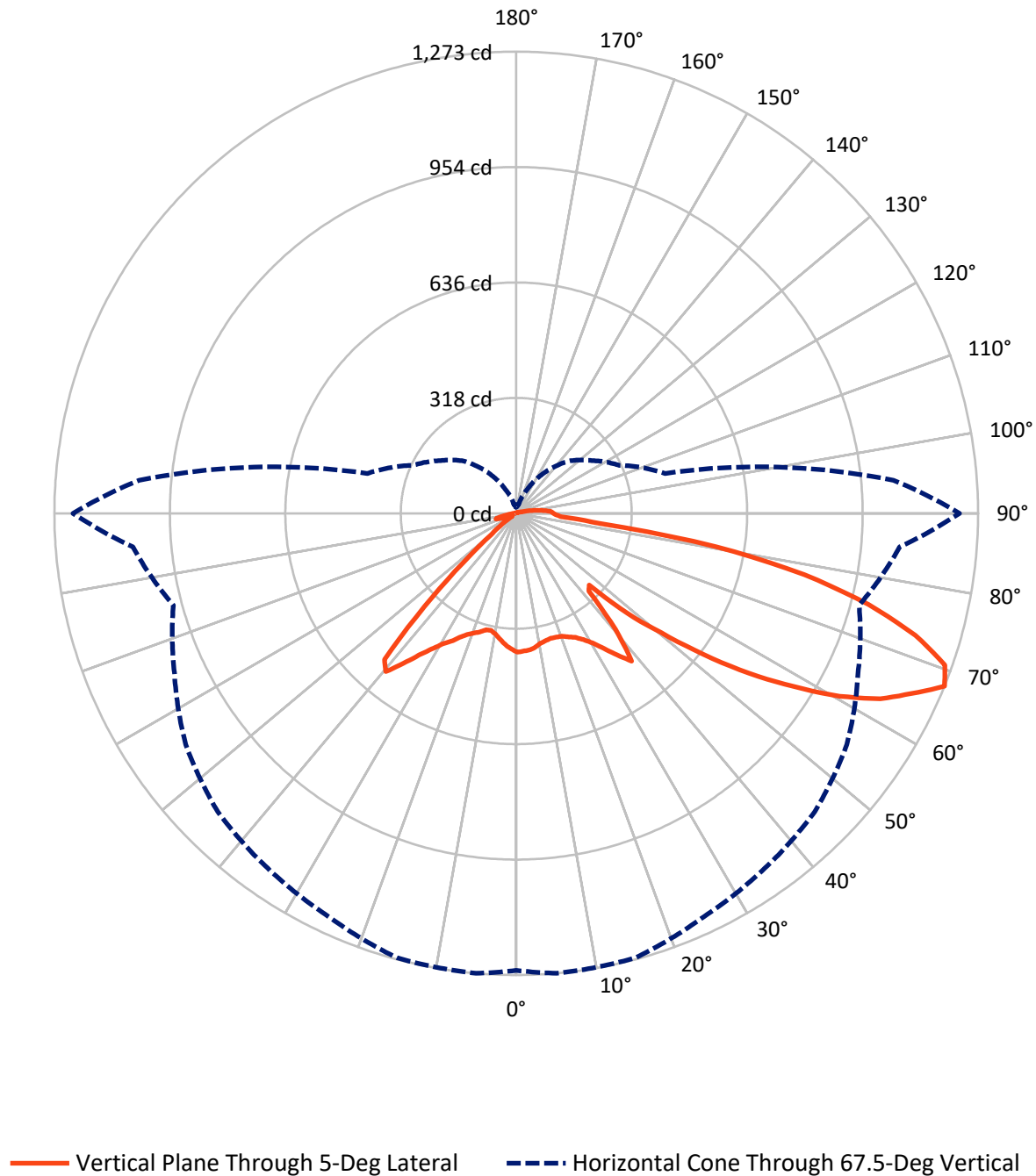


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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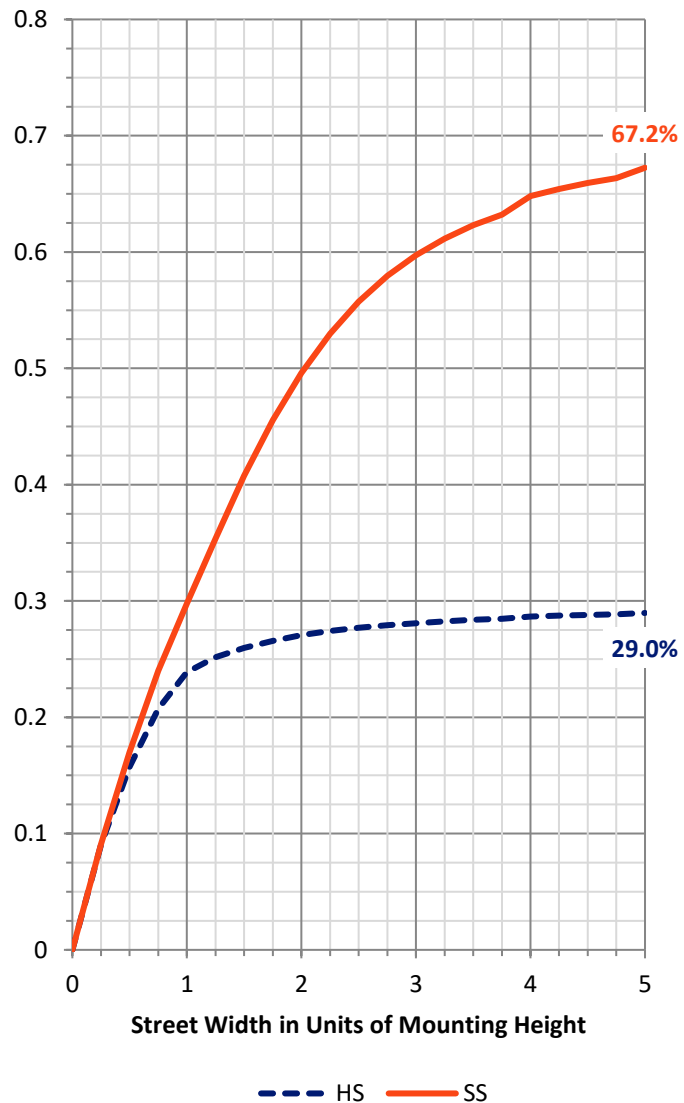
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	806.5	12.1	818.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1886.0	47.4	1933.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	2692.5	59.5	2752.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.3
10°-20°	102.1	3.7
20°-30°	181.4	6.6
30°-40°	303.4	11.0
40°-50°	277.0	10.1
50°-60°	411.2	14.9
60°-70°	674.6	24.5
70°-80°	579.0	21.0
80°-90°	128.4	4.7
90°-100°	43.3	1.6
100°-110°	10.7	0.4
110°-120°	3.4	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°	2692.5	97.8
0°-180°	2752.0	100.0

Coefficient of Utilization



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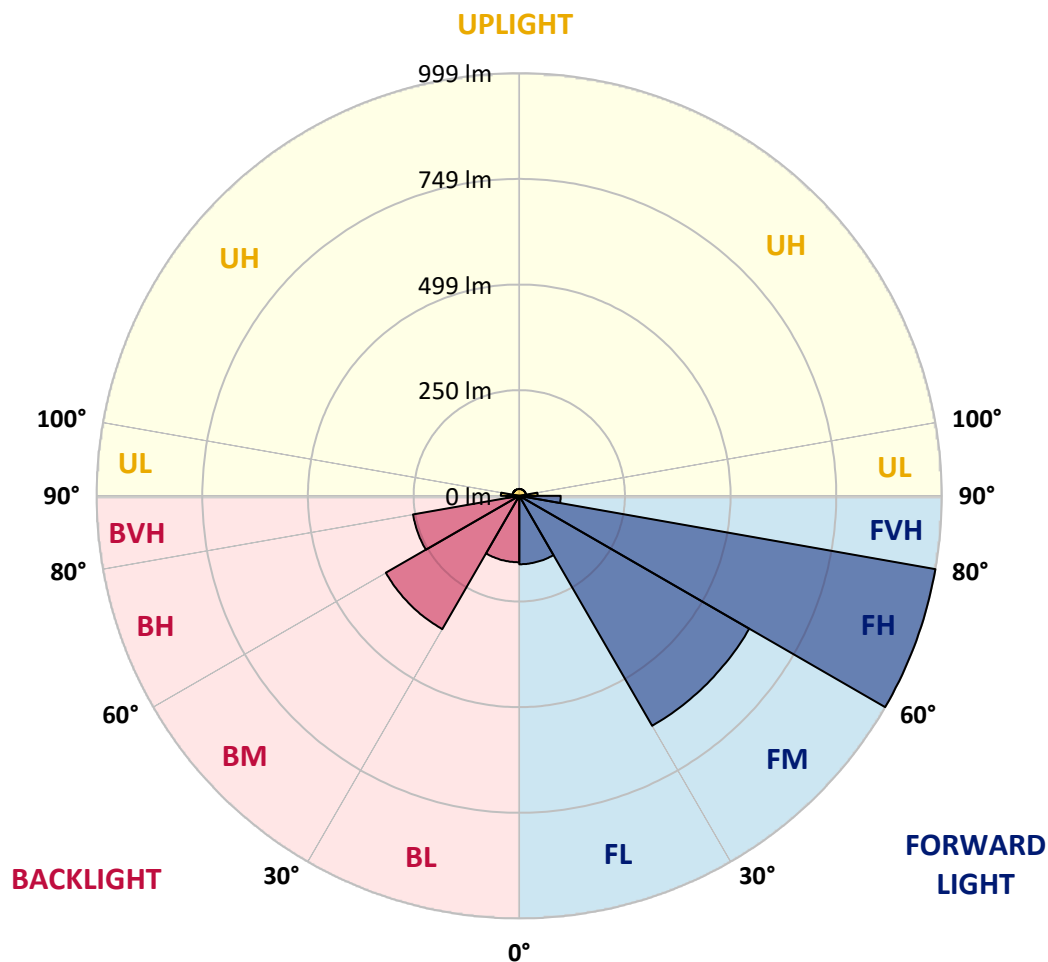
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.7	5.9			
FM	(30°-60°)	627.6	22.8			
FH	(60°-80°)	998.7	36.3			G1/1800
FVH	(80°-90°)	97.9	3.6			G1/100
BL	(0°-30°)	157.1	5.7	B1/500		
BM	(30°-60°)	364.0	13.2	B1/1000		
BH	(60°-80°)	254.9	9.3	B1/500		G1/500
BVH	(80°-90°)	30.5	1.1			G1/100
UL	(90°-100°)	43.3	1.6		U2/50	
UH	(100°-180°)	16.1	0.6		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°	90°
0°	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9
2.5°	380.0	380.0	380.0	381.5	382.9	381.5	380.0	378.6	377.2	378.6	378.6
5°	378.6	378.6	380.0	380.0	381.5	382.9	381.5	380.0	378.6	378.6	378.6
7.5°	371.5	372.9	372.9	374.3	375.8	378.6	378.6	375.8	375.8	375.8	375.8
10°	364.4	364.4	365.8	367.2	368.7	371.5	371.5	368.7	370.1	371.5	371.5
12.5°	360.1	360.1	361.5	364.4	365.8	367.2	368.7	368.7	370.1	368.7	370.1
15°	357.3	357.3	357.3	361.5	365.8	367.2	370.1	371.5	372.9	372.9	372.9
17.5°	358.7	358.7	358.7	364.4	367.2	371.5	374.3	375.8	375.8	377.2	377.2
20°	361.5	361.5	363.0	367.2	372.9	377.2	380.0	381.5	381.5	384.3	384.3
22.5°	367.2	370.1	368.7	372.9	377.2	382.9	387.2	390.0	390.0	392.9	392.9
25°	380.0	378.6	380.0	384.3	388.6	392.9	395.7	400.0	401.4	404.2	404.2
27.5°	394.3	394.3	394.3	398.5	401.4	405.7	408.5	411.4	414.2	418.5	419.9
30°	415.6	414.2	412.8	417.0	419.9	424.2	427.0	428.4	428.4	431.3	434.1
32.5°	444.1	444.1	444.1	446.9	448.4	452.6	454.1	455.5	454.1	458.3	459.8
35°	479.7	479.7	481.1	483.9	488.2	491.1	492.5	491.1	492.5	495.3	498.2
37.5°	515.3	516.7	521.0	525.2	528.1	533.8	538.0	538.0	539.5	548.0	548.0
40°	417.0	421.3	425.6	435.6	448.4	465.4	493.9	505.3	538.0	555.1	559.4
42.5°	283.3	293.2	304.6	317.4	327.4	328.8	355.8	371.5	404.2	435.6	444.1
45°	270.4	281.8	293.2	284.7	291.8	269.0	296.1	298.9	314.6	338.8	402.8
47.5°	397.1	412.8	428.4	407.1	411.4	361.5	371.5	360.1	324.5	364.4	471.1
50°	518.1	516.7	539.5	529.5	540.9	486.8	491.1	468.3	412.8	468.3	620.6
52.5°	634.8	646.2	670.4	667.6	676.1	606.4	593.5	573.6	486.8	572.2	751.5
55°	770.0	778.6	801.4	794.2	790.0	720.2	697.5	677.5	593.5	704.6	891.0
57.5°	896.7	901.0	928.0	903.8	889.6	836.9	805.6	772.9	690.3	825.6	987.8
60°	1017.7	1023.4	1039.1	1006.3	983.6	942.3	903.8	868.3	791.4	933.7	1077.5
62.5°	1131.6	1125.9	1133.0	1091.7	1076.1	1039.1	997.8	953.7	886.8	1019.1	1164.3
65°	1197.1	1197.1	1205.6	1152.9	1128.7	1106.0	1060.4	1009.2	948.0	1060.4	1218.4
67.5°	1259.7	1272.5	1268.2	1225.5	1194.2	1162.9	1111.7	1039.1	977.9	1060.4	1221.3
70°	1236.9	1252.6	1235.5	1201.3	1170.0	1133.0	1086.0	1014.9	946.5	1009.2	1155.8
72.5°	1138.7	1150.1	1143.0	1113.1	1074.6	1050.5	1000.6	946.5	866.8	920.9	1049.0
75°	1004.9	1002.1	1014.9	980.7	948.0	925.2	876.8	842.6	768.6	808.5	930.9
77.5°	809.9	811.3	838.4	799.9	774.3	758.7	714.5	686.1	619.2	654.8	748.7
80°	543.7	559.4	585.0	543.7	539.5	518.1	481.1	462.6	411.4	428.4	478.3
82.5°	226.3	233.4	242.0	229.2	224.9	217.8	202.1	196.4	176.5	185.0	185.0
85°	126.7	125.3	129.5	129.5	126.7	121.0	115.3	105.3	96.8	95.4	88.2
87.5°	106.8	108.2	111.0	111.0	105.3	101.1	93.9	86.8	79.7	75.4	68.3
90°	99.6	101.1	102.5	98.2	92.5	88.2	82.6	76.9	71.2	68.3	61.2
92.5°	95.4	95.4	95.4	89.7	84.0	79.7	75.4	69.7	65.5	62.6	56.9
95°	79.7	78.3	76.9	74.0	68.3	64.1	61.2	55.5	52.7	49.8	47.0
97.5°	59.8	58.4	56.9	55.5	49.8	47.0	45.5	42.7	39.9	35.6	34.2
100°	42.7	41.3	41.3	39.9	37.0	34.2	32.7	29.9	27.0	24.2	22.8
102.5°	28.5	27.0	27.0	25.6	24.2	22.8	19.9	18.5	15.7	14.2	12.8
105°	15.7	15.7	15.7	14.2	14.2	12.8	11.4	10.0	8.5	8.5	7.1
107.5°	11.4	11.4	11.4	11.4	10.0	10.0	8.5	7.1	7.1	5.7	5.7
110°	8.5	8.5	8.5	8.5	8.5	7.1	7.1	5.7	5.7	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.1	7.1	7.1	7.1	7.1	7.1	5.7	5.7	4.3	4.3	4.3
115°	7.1	7.1	7.1	7.1	5.7	5.7	4.3	4.3	4.3	4.3	2.8
117.5°	5.7	5.7	5.7	5.7	5.7	4.3	4.3	4.3	4.3	2.8	4.3
120°	5.7	5.7	5.7	5.7	4.3	4.3	4.3	2.8	2.8	2.8	2.8
122.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.8	2.8	2.8	2.8
125°	4.3	4.3	4.3	4.3	4.3	2.8	2.8	2.8	2.8	2.8	2.8
127.5°	4.3	4.3	2.8	4.3	2.8	2.8	2.8	2.8	2.8	1.4	2.8
130°	4.3	4.3	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4
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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CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9
2.5°	380.0	380.0	381.5	380.0	380.0	377.2	375.8	374.3	374.3	374.3
5°	378.6	378.6	377.2	374.3	372.9	370.1	367.2	365.8	364.4	365.8
7.5°	375.8	372.9	370.1	364.4	360.1	358.7	353.0	351.6	351.6	351.6
10°	370.1	367.2	360.1	353.0	350.2	345.9	341.6	337.3	338.8	340.2
12.5°	368.7	361.5	355.8	348.7	344.5	337.3	335.9	331.6	330.2	330.2
15°	370.1	364.4	357.3	351.6	345.9	343.0	337.3	335.9	331.6	334.5
17.5°	375.8	367.2	361.5	355.8	350.2	347.3	343.0	340.2	341.6	341.6
20°	381.5	372.9	367.2	363.0	357.3	353.0	351.6	348.7	350.2	347.3
22.5°	390.0	381.5	377.2	371.5	367.2	364.4	361.5	363.0	360.1	361.5
25°	401.4	394.3	388.6	384.3	380.0	377.2	377.2	377.2	375.8	377.2
27.5°	417.0	409.9	405.7	402.8	398.5	395.7	392.9	394.3	395.7	394.3
30°	431.3	422.7	421.3	418.5	415.6	414.2	414.2	414.2	414.2	417.0
32.5°	454.1	445.5	442.7	442.7	439.8	438.4	437.0	439.8	441.2	439.8
35°	489.6	478.3	475.4	474.0	472.6	472.6	474.0	474.0	474.0	474.0
37.5°	533.8	518.1	515.3	513.8	513.8	513.8	512.4	513.8	518.1	519.5
40°	553.7	543.7	548.0	555.1	559.4	559.4	558.0	560.8	565.1	565.1
42.5°	448.4	427.0	442.7	471.1	489.6	512.4	516.7	530.9	542.3	542.3
45°	364.4	276.1	281.8	300.3	308.9	328.8	340.2	353.0	360.1	350.2
47.5°	409.9	177.9	146.6	152.3	131.0	158.0	176.5	196.4	200.7	205.0
50°	643.4	183.6	123.8	89.7	59.8	79.7	84.0	95.4	92.5	93.9
52.5°	781.4	210.7	123.8	79.7	49.8	52.7	48.4	54.1	56.9	62.6
55°	876.8	253.4	160.8	101.1	58.4	35.6	24.2	18.5	17.1	17.1
57.5°	922.3	310.3	209.2	143.8	91.1	49.8	21.4	15.7	14.2	12.8
60°	965.0	371.5	264.7	196.4	143.8	88.2	39.9	15.7	12.8	12.8
62.5°	1003.5	432.7	320.3	254.8	202.1	138.1	74.0	27.0	14.2	14.2
65°	1034.8	445.5	324.5	276.1	217.8	162.3	96.8	32.7	15.7	15.7
67.5°	1043.3	424.2	313.1	253.4	203.5	138.1	75.4	27.0	18.5	17.1
70°	986.4	402.8	314.6	240.6	183.6	122.4	49.8	31.3	24.2	22.8
72.5°	892.5	372.9	298.9	233.4	176.5	123.8	58.4	51.2	45.5	42.7
75°	785.7	337.3	276.1	223.5	170.8	119.6	68.3	64.1	58.4	56.9
77.5°	630.6	280.4	232.0	189.3	143.8	95.4	56.9	54.1	47.0	47.0
80°	414.2	209.2	175.1	145.2	109.6	66.9	42.7	38.4	34.2	32.7
82.5°	169.4	122.4	105.3	91.1	71.2	42.7	28.5	24.2	19.9	18.5
85°	82.6	61.2	52.7	42.7	35.6	24.2	18.5	15.7	11.4	11.4
87.5°	66.9	48.4	39.9	32.7	24.2	17.1	12.8	10.0	7.1	5.7
90°	61.2	42.7	34.2	27.0	19.9	14.2	8.5	7.1	4.3	2.8
92.5°	55.5	37.0	29.9	21.4	15.7	11.4	5.7	4.3	2.8	2.8
95°	45.5	28.5	22.8	17.1	12.8	8.5	5.7	2.8	1.4	1.4
97.5°	32.7	21.4	17.1	12.8	10.0	5.7	4.3	2.8	1.4	1.4
100°	22.8	14.2	12.8	10.0	7.1	4.3	2.8	1.4	1.4	1.4
102.5°	11.4	8.5	8.5	7.1	5.7	4.3	1.4	1.4	0.0	0.0
105°	7.1	5.7	5.7	4.3	2.8	2.8	1.4	1.4	0.0	0.0
107.5°	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0
110°	4.3	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0
115°	2.8	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
117.5°	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
120°	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	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)