

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: P691177

Luminaire Tested: **CRTK2-C013-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691177
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-C013-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: 1933 lumens
Efficiency: N/A
Efficacy: 94.8 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): 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

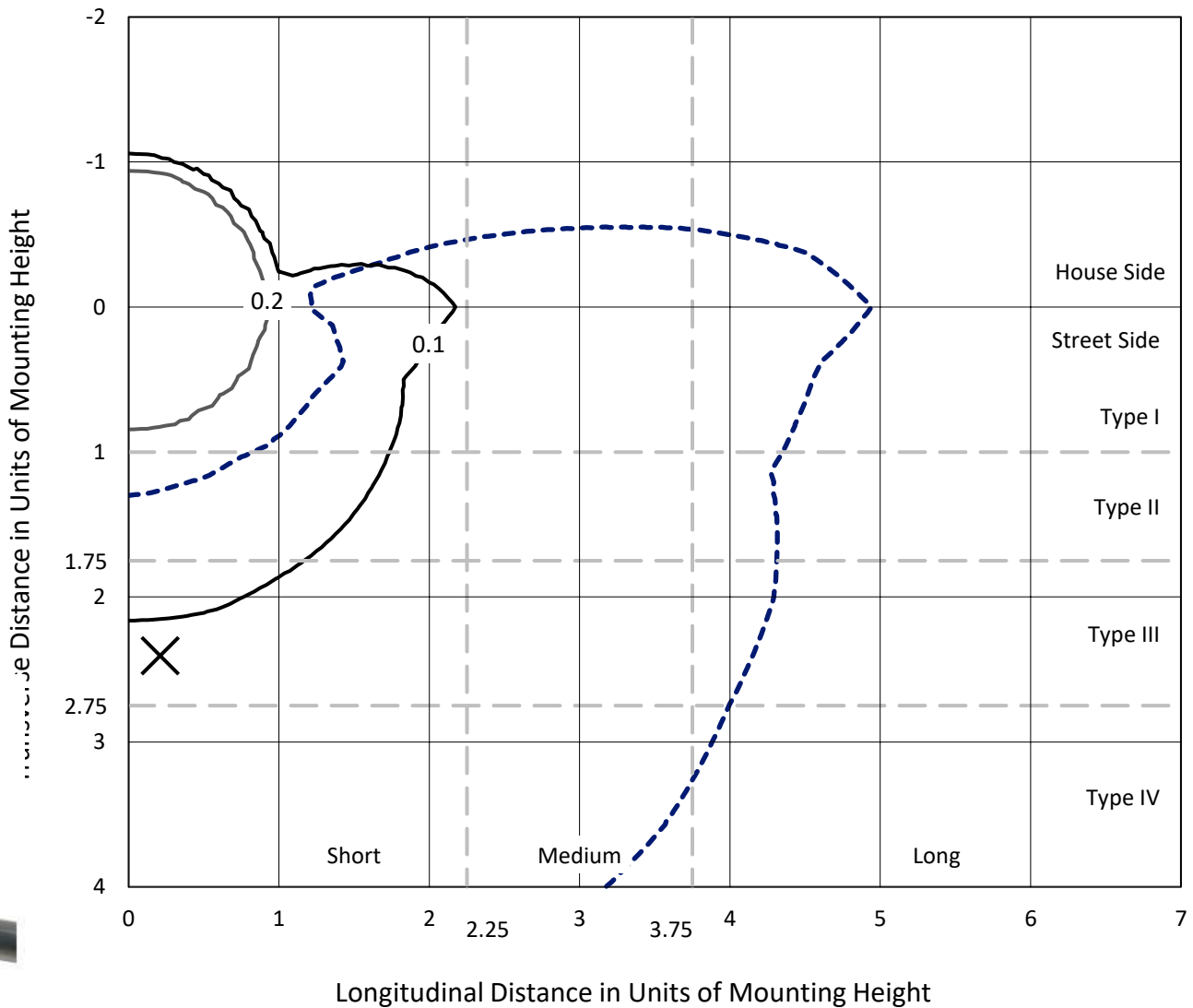


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

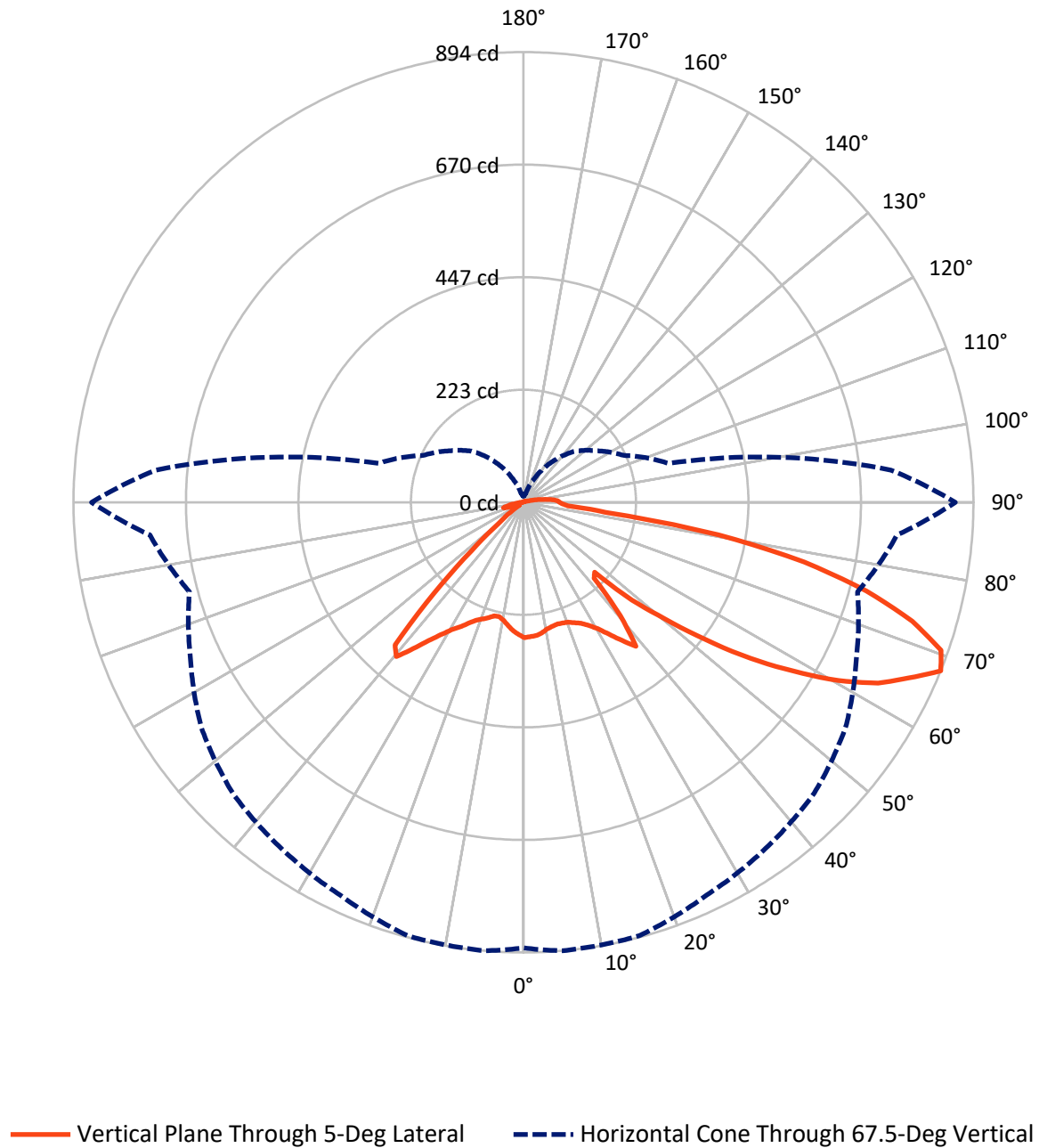


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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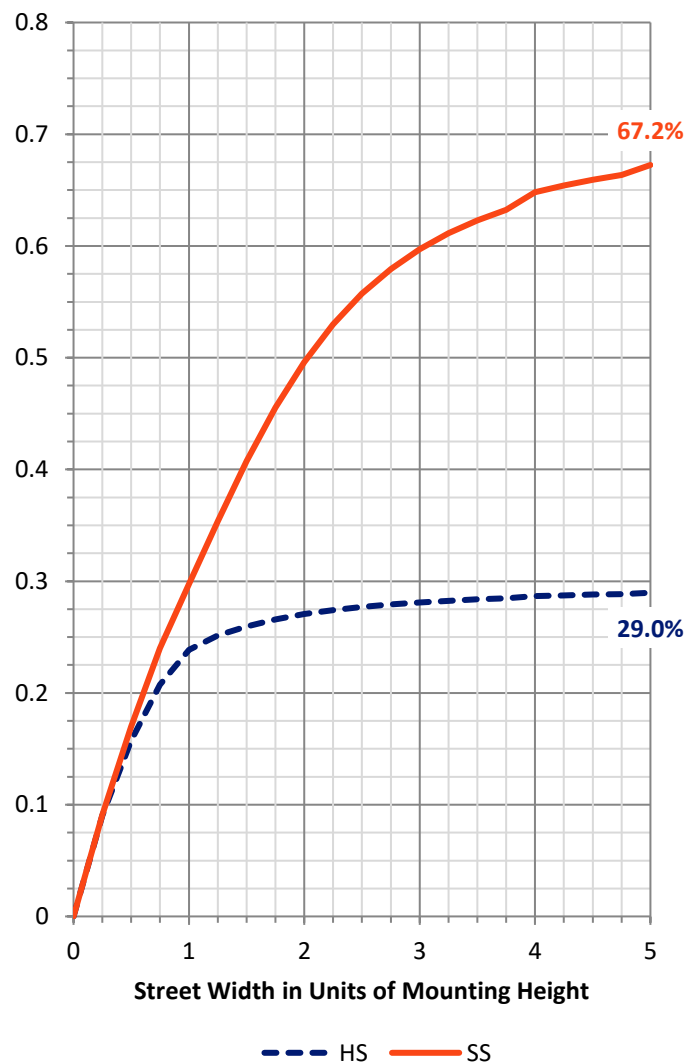
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.5	8.5	575.0
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1324.7	33.3	1358.0
	% Fixture	68.5	1.7	70.3
Total	Lumens	1891.2	41.8	1933.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	1.3
10°-20°	71.7	3.7
20°-30°	127.4	6.6
30°-40°	213.1	11.0
40°-50°	194.6	10.1
50°-60°	288.9	14.9
60°-70°	473.8	24.5
70°-80°	406.7	21.0
80°-90°	90.2	4.7
90°-100°	30.4	1.6
100°-110°	7.5	0.4
110°-120°	2.4	0.1
120°-130°	1.3	0.1
130°-140°	0.1	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°	1891.2	97.8
0°-180°	1933.0	100.0

Coefficient of Utilization



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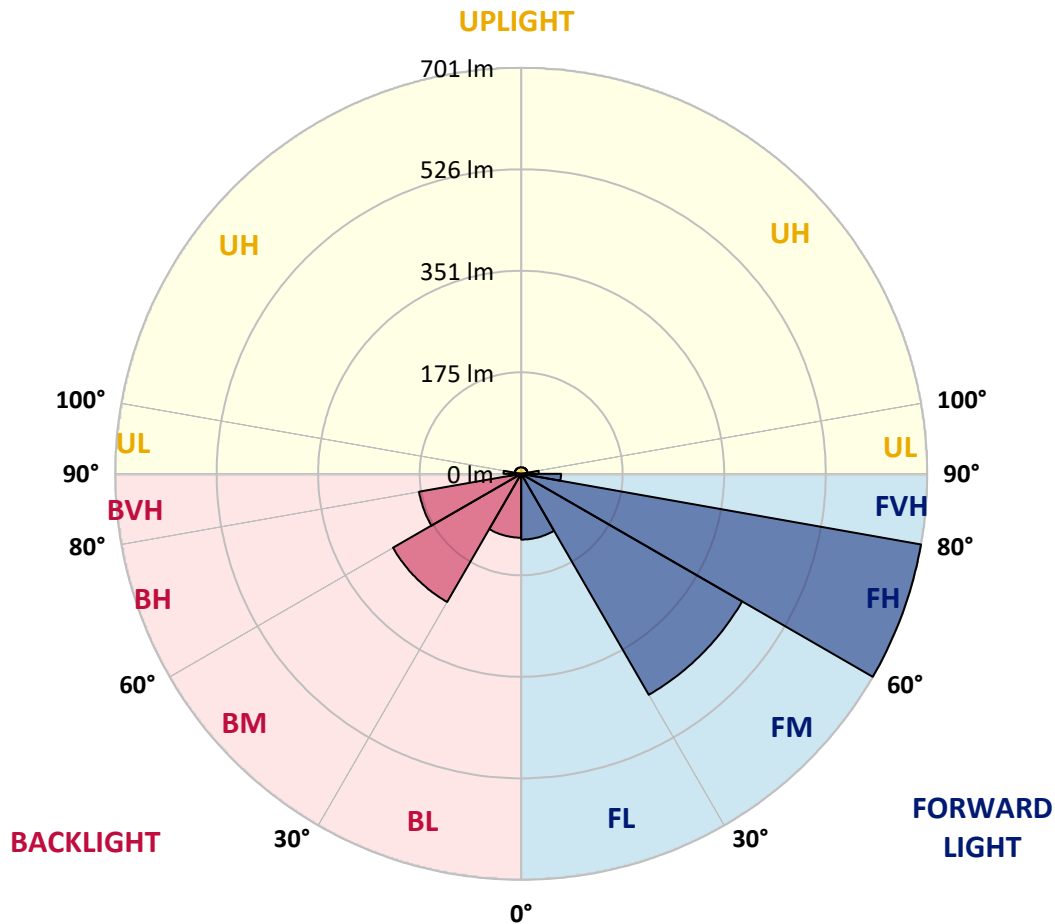
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.6	5.9			
FM	(30°-60°)	440.8	22.8			
FH	(60°-80°)	701.4	36.3			G1/1800
FVH	(80°-90°)	68.8	3.6			G1/100
BL	(0°-30°)	110.3	5.7	B1/500		
BM	(30°-60°)	255.7	13.2	B1/1000		
BH	(60°-80°)	179.1	9.3	B1/500		G1/500
BVH	(80°-90°)	21.4	1.1			G1/100
UL	(90°-100°)	30.4	1.6		U2/50	
UH	(100°-180°)	11.4	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°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	266.9	266.9	266.9	267.9	268.9	267.9	266.9	265.9	264.9	265.9	265.9
5°	265.9	265.9	266.9	266.9	267.9	268.9	267.9	266.9	265.9	265.9	265.9
7.5°	260.9	261.9	261.9	262.9	263.9	265.9	265.9	263.9	263.9	263.9	263.9
10°	255.9	255.9	256.9	257.9	258.9	260.9	260.9	258.9	259.9	260.9	260.9
12.5°	252.9	252.9	253.9	255.9	256.9	257.9	258.9	258.9	259.9	258.9	259.9
15°	250.9	250.9	250.9	253.9	256.9	257.9	259.9	260.9	261.9	261.9	261.9
17.5°	251.9	251.9	251.9	255.9	257.9	260.9	262.9	263.9	263.9	264.9	264.9
20°	253.9	253.9	254.9	257.9	261.9	264.9	266.9	267.9	267.9	269.9	269.9
22.5°	257.9	259.9	258.9	261.9	264.9	268.9	271.9	273.9	273.9	275.9	275.9
25°	266.9	265.9	266.9	269.9	272.9	275.9	277.9	280.9	281.9	283.9	283.9
27.5°	276.9	276.9	276.9	279.9	281.9	284.9	286.9	288.9	290.9	293.9	294.9
30°	291.9	290.9	289.9	292.9	294.9	297.9	299.9	300.9	300.9	302.9	304.9
32.5°	311.9	311.9	311.9	313.9	314.9	317.9	318.9	319.9	318.9	321.9	322.9
35°	336.9	336.9	337.9	339.9	342.9	344.9	345.9	344.9	345.9	347.9	349.9
37.5°	361.9	362.9	365.9	368.9	370.9	374.9	377.9	377.9	378.9	384.9	384.9
40°	292.9	295.9	298.9	305.9	314.9	326.9	346.9	354.9	377.9	389.9	392.9
42.5°	199.0	206.0	214.0	223.0	229.9	230.9	249.9	260.9	283.9	305.9	311.9
45°	190.0	198.0	206.0	200.0	205.0	189.0	208.0	210.0	221.0	237.9	282.9
47.5°	278.9	289.9	300.9	285.9	288.9	253.9	260.9	252.9	227.9	255.9	330.9
50°	363.9	362.9	378.9	371.9	379.9	341.9	344.9	328.9	289.9	328.9	435.9
52.5°	445.9	453.9	470.9	468.9	474.9	425.9	416.9	402.9	341.9	401.9	527.9
55°	540.9	546.9	562.9	557.9	554.9	505.9	489.9	475.9	416.9	494.9	625.9
57.5°	629.9	632.9	651.9	634.9	624.9	587.9	565.9	542.9	484.9	579.9	693.8
60°	714.8	718.8	729.8	706.8	690.8	661.9	634.9	609.9	555.9	655.9	756.8
62.5°	794.8	790.8	795.8	766.8	755.8	729.8	700.8	669.8	622.9	715.8	817.8
65°	840.8	840.8	846.8	809.8	792.8	776.8	744.8	708.8	665.9	744.8	855.8
67.5°	884.8	893.8	890.8	860.8	838.8	816.8	780.8	729.8	686.8	744.8	857.8
70°	868.8	879.8	867.8	843.8	821.8	795.8	762.8	712.8	664.9	708.8	811.8
72.5°	799.8	807.8	802.8	781.8	754.8	737.8	702.8	664.9	608.9	646.9	736.8
75°	705.8	703.8	712.8	688.8	665.9	649.9	615.9	591.9	539.9	567.9	653.9
77.5°	568.9	569.9	588.9	561.9	543.9	532.9	501.9	481.9	434.9	459.9	525.9
80°	381.9	392.9	410.9	381.9	378.9	363.9	337.9	324.9	288.9	300.9	335.9
82.5°	159.0	164.0	170.0	161.0	158.0	153.0	142.0	138.0	124.0	130.0	130.0
85°	89.0	88.0	91.0	91.0	89.0	85.0	81.0	74.0	68.0	67.0	62.0
87.5°	75.0	76.0	78.0	78.0	74.0	71.0	66.0	61.0	56.0	53.0	48.0
90°	70.0	71.0	72.0	69.0	65.0	62.0	58.0	54.0	50.0	48.0	43.0
92.5°	67.0	67.0	67.0	63.0	59.0	56.0	53.0	49.0	46.0	44.0	40.0
95°	56.0	55.0	54.0	52.0	48.0	45.0	43.0	39.0	37.0	35.0	33.0
97.5°	42.0	41.0	40.0	39.0	35.0	33.0	32.0	30.0	28.0	25.0	24.0
100°	30.0	29.0	29.0	28.0	26.0	24.0	23.0	21.0	19.0	17.0	16.0
102.5°	20.0	19.0	19.0	18.0	17.0	16.0	14.0	13.0	11.0	10.0	9.0
105°	11.0	11.0	11.0	10.0	10.0	9.0	8.0	7.0	6.0	6.0	5.0
107.5°	8.0	8.0	8.0	8.0	7.0	7.0	6.0	5.0	5.0	4.0	4.0
110°	6.0	6.0	6.0	6.0	6.0	5.0	5.0	4.0	4.0	3.0	3.0

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CATALOG NUMBER: CRTK2-C013-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°	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0
115°	5.0	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0
117.5°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	3.0
120°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
122.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
125°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
127.5°	3.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0
130°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	266.9	266.9	267.9	266.9	266.9	264.9	263.9	262.9	262.9	262.9
5°	265.9	265.9	264.9	262.9	261.9	259.9	257.9	256.9	255.9	256.9
7.5°	263.9	261.9	259.9	255.9	252.9	251.9	247.9	246.9	246.9	246.9
10°	259.9	257.9	252.9	247.9	245.9	242.9	239.9	236.9	237.9	238.9
12.5°	258.9	253.9	249.9	244.9	241.9	236.9	235.9	232.9	231.9	231.9
15°	259.9	255.9	250.9	246.9	242.9	240.9	236.9	235.9	232.9	234.9
17.5°	263.9	257.9	253.9	249.9	245.9	243.9	240.9	238.9	239.9	239.9
20°	267.9	261.9	257.9	254.9	250.9	247.9	246.9	244.9	245.9	243.9
22.5°	273.9	267.9	264.9	260.9	257.9	255.9	253.9	254.9	252.9	253.9
25°	281.9	276.9	272.9	269.9	266.9	264.9	264.9	264.9	263.9	264.9
27.5°	292.9	287.9	284.9	282.9	279.9	277.9	275.9	276.9	277.9	276.9
30°	302.9	296.9	295.9	293.9	291.9	290.9	290.9	290.9	290.9	292.9
32.5°	318.9	312.9	310.9	310.9	308.9	307.9	306.9	308.9	309.9	308.9
35°	343.9	335.9	333.9	332.9	331.9	331.9	332.9	332.9	332.9	332.9
37.5°	374.9	363.9	361.9	360.9	360.9	360.9	359.9	360.9	363.9	364.9
40°	388.9	381.9	384.9	389.9	392.9	392.9	391.9	393.9	396.9	396.9
42.5°	314.9	299.9	310.9	330.9	343.9	359.9	362.9	372.9	380.9	380.9
45°	255.9	194.0	198.0	211.0	217.0	230.9	238.9	247.9	252.9	245.9
47.5°	287.9	125.0	103.0	107.0	92.0	111.0	124.0	138.0	141.0	144.0
50°	451.9	129.0	87.0	63.0	42.0	56.0	59.0	67.0	65.0	66.0
52.5°	548.9	148.0	87.0	56.0	35.0	37.0	34.0	38.0	40.0	44.0
55°	615.9	178.0	113.0	71.0	41.0	25.0	17.0	13.0	12.0	12.0
57.5°	647.9	218.0	147.0	101.0	64.0	35.0	15.0	11.0	10.0	9.0
60°	677.8	260.9	186.0	138.0	101.0	62.0	28.0	11.0	9.0	9.0
62.5°	704.8	303.9	224.9	179.0	142.0	97.0	52.0	19.0	10.0	10.0
65°	726.8	312.9	227.9	194.0	153.0	114.0	68.0	23.0	11.0	11.0
67.5°	732.8	297.9	220.0	178.0	143.0	97.0	53.0	19.0	13.0	12.0
70°	692.8	282.9	221.0	169.0	129.0	86.0	35.0	22.0	17.0	16.0
72.5°	626.9	261.9	210.0	164.0	124.0	87.0	41.0	36.0	32.0	30.0
75°	551.9	236.9	194.0	157.0	120.0	84.0	48.0	45.0	41.0	40.0
77.5°	442.9	197.0	163.0	133.0	101.0	67.0	40.0	38.0	33.0	33.0
80°	290.9	147.0	123.0	102.0	77.0	47.0	30.0	27.0	24.0	23.0
82.5°	119.0	86.0	74.0	64.0	50.0	30.0	20.0	17.0	14.0	13.0
85°	58.0	43.0	37.0	30.0	25.0	17.0	13.0	11.0	8.0	8.0
87.5°	47.0	34.0	28.0	23.0	17.0	12.0	9.0	7.0	5.0	4.0
90°	43.0	30.0	24.0	19.0	14.0	10.0	6.0	5.0	3.0	2.0
92.5°	39.0	26.0	21.0	15.0	11.0	8.0	4.0	3.0	2.0	2.0
95°	32.0	20.0	16.0	12.0	9.0	6.0	4.0	2.0	1.0	1.0
97.5°	23.0	15.0	12.0	9.0	7.0	4.0	3.0	2.0	1.0	1.0
100°	16.0	10.0	9.0	7.0	5.0	3.0	2.0	1.0	1.0	1.0
102.5°	8.0	6.0	6.0	5.0	4.0	3.0	1.0	1.0	0.0	0.0
105°	5.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0
107.5°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
110°	3.0	2.0	2.0	2.0	1.0	1.0	1.0	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°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
115°	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
117.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	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)