

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: P691164

Luminaire Tested: **CRTK2-C013-D-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - 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



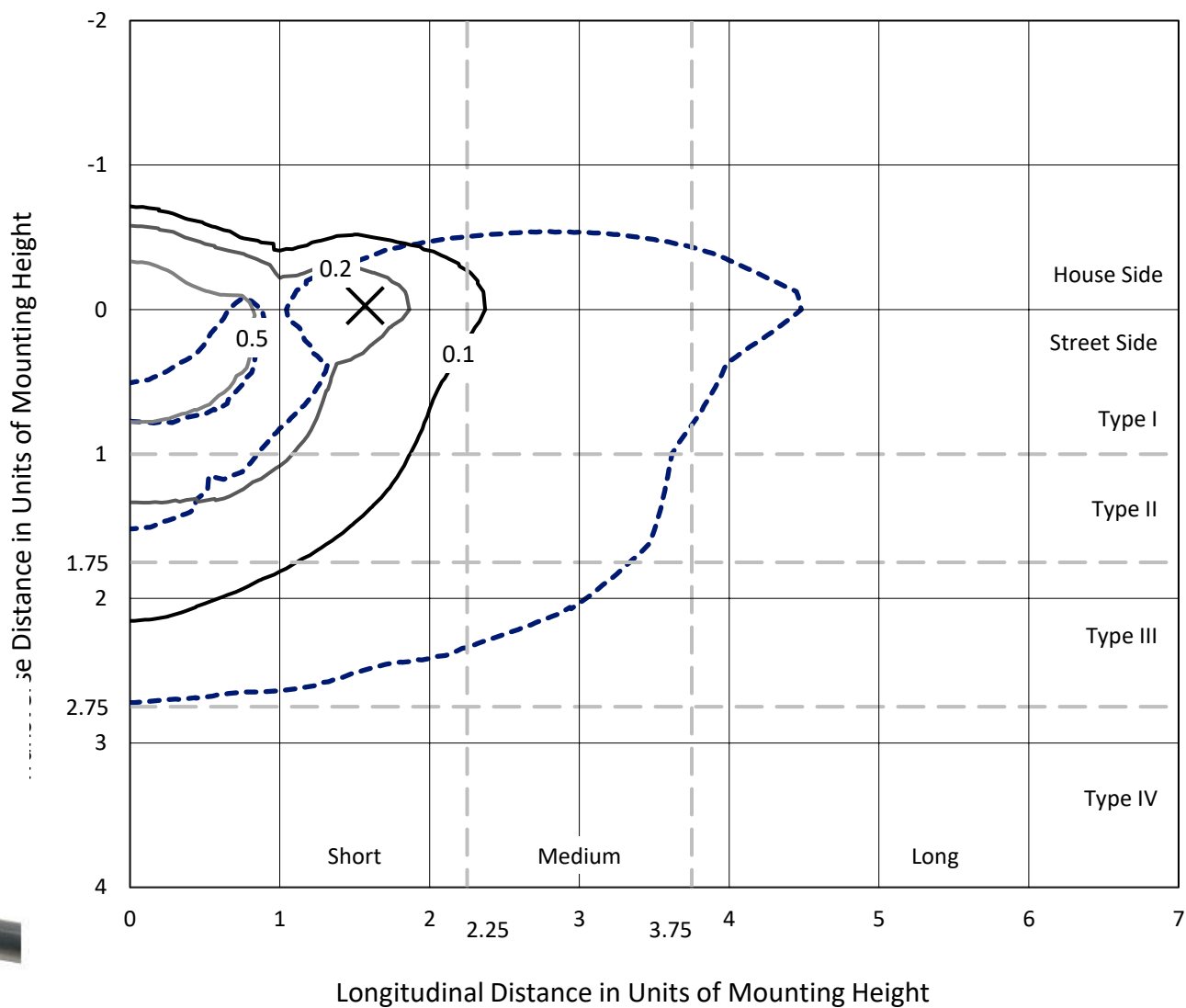
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

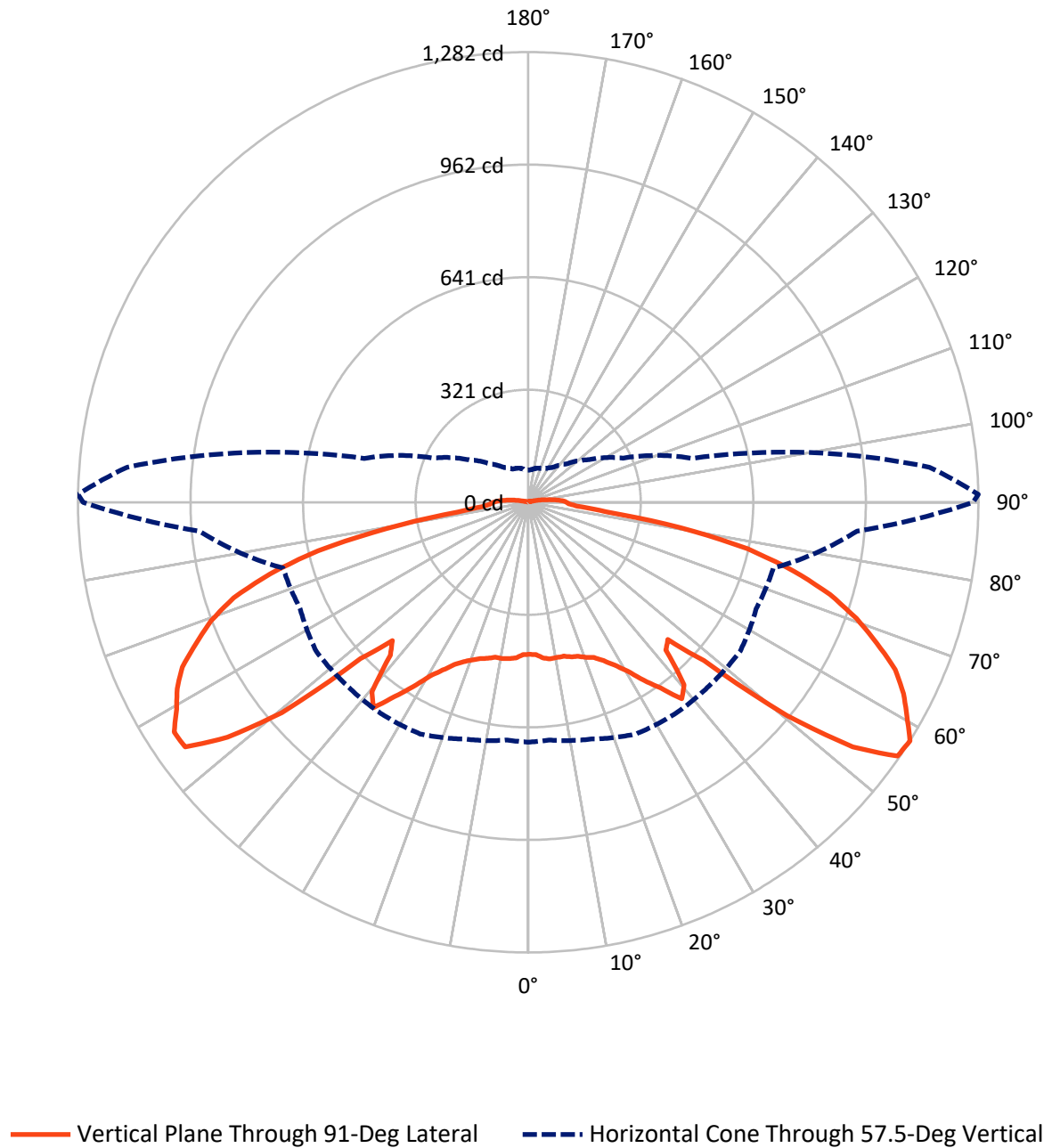


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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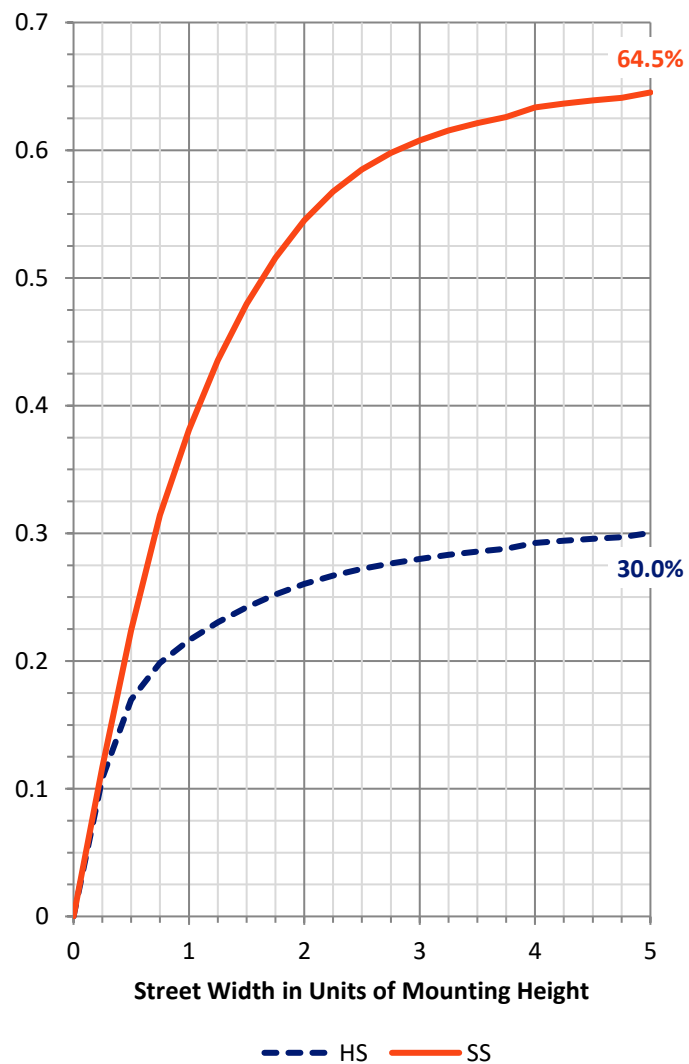
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.8	40.9	882.7
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	1734.3	35.0	1769.3
	% Fixture	65.4	1.3	66.7
Total	Lumens	2576.0	76.0	2652.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.6
10°-20°	128.9	4.9
20°-30°	219.1	8.3
30°-40°	308.3	11.6
40°-50°	292.8	11.0
50°-60°	438.6	16.5
60°-70°	567.6	21.4
70°-80°	429.5	16.2
80°-90°	148.8	5.6
90°-100°	55.9	2.1
100°-110°	13.1	0.5
110°-120°	4.5	0.2
120°-130°	2.3	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°	2576.0	97.1
0°-180°	2652.0	100.0

Coefficient of Utilization



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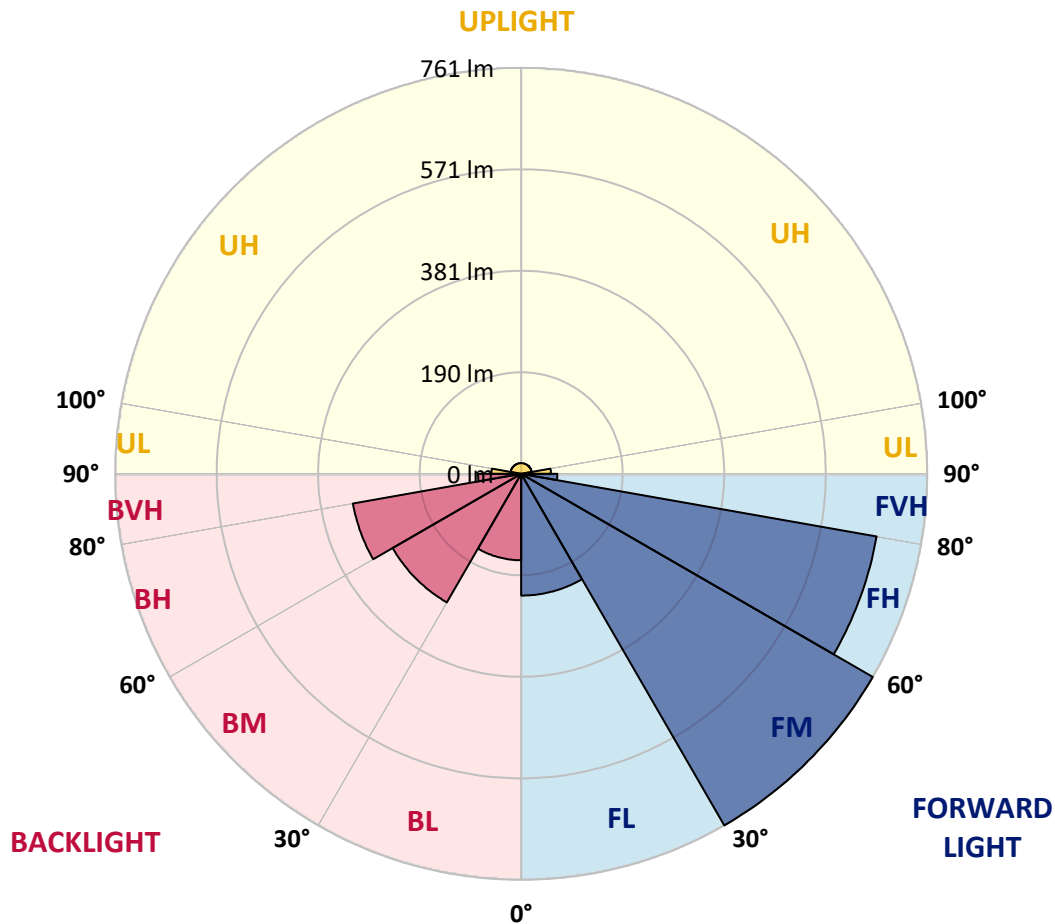
CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.3	8.6			
FM	(30°-60°)	761.3	28.7			
FH	(60°-80°)	676.7	25.5			G1/1800
FVH	(80°-90°)	67.8	2.6			G1/100
BL	(0°-30°)	162.1	6.1	B1/500		
BM	(30°-60°)	278.4	10.5	B1/1000		
BH	(60°-80°)	320.4	12.1	B1/500		G1/500
BVH	(80°-90°)	81.0	3.1			G1/100
UL	(90°-100°)	55.9	2.1		U3/500	
UH	(100°-180°)	20.1	0.8		U2/50	

BUG Rating: B1-U3-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	425.1	425.1	425.1	426.0	428.6	430.4	431.2	430.4	431.2	433.0	434.7
5°	437.4	436.5	435.6	433.9	433.0	433.0	433.9	433.9	435.6	441.8	445.3
7.5°	448.8	447.0	446.2	446.2	445.3	440.9	440.0	437.4	436.5	444.4	449.7
10°	469.9	468.1	462.9	456.7	454.9	449.7	441.8	440.0	440.9	449.7	451.4
12.5°	489.2	488.3	484.8	478.7	469.9	464.6	453.2	447.9	448.8	454.1	450.6
15°	521.7	518.2	507.6	502.4	493.6	483.9	469.0	462.9	464.6	460.2	458.5
17.5°	541.0	538.4	538.4	528.7	522.6	505.9	491.8	480.4	484.8	473.4	463.7
20°	558.6	558.6	559.5	561.2	549.8	536.6	517.3	503.3	504.1	487.4	473.4
22.5°	585.8	583.2	585.8	588.4	580.5	569.1	545.4	531.4	525.2	504.1	485.7
25°	613.9	612.2	612.2	619.2	621.8	604.3	582.3	567.4	558.6	527.8	503.3
27.5°	642.0	642.9	645.5	648.2	652.6	643.8	621.8	610.4	599.0	555.9	531.4
30°	664.9	663.1	674.5	680.7	685.1	688.6	664.0	651.7	639.4	592.0	563.0
32.5°	690.3	690.3	700.9	712.3	718.4	725.5	705.3	697.4	684.2	635.0	615.7
35°	711.4	711.4	727.2	746.5	758.0	763.2	752.7	751.8	749.2	693.8	665.7
37.5°	640.3	649.0	673.6	712.3	756.2	791.3	794.0	811.5	820.3	760.6	724.6
40°	558.6	561.2	590.2	624.5	665.7	709.6	751.8	803.6	797.5	725.5	693.8
42.5°	503.3	510.3	547.2	573.5	600.7	628.0	628.0	626.2	582.3	595.5	583.2
45°	498.0	499.7	530.5	570.0	580.5	542.8	490.1	461.1	464.6	528.7	557.7
47.5°	552.4	555.1	586.7	624.5	586.7	519.9	468.1	463.7	461.1	574.4	672.8
50°	581.4	583.2	613.0	632.4	573.5	572.6	573.5	557.7	543.7	753.6	965.2
52.5°	599.0	600.7	599.0	623.6	603.4	649.9	634.1	607.8	597.2	873.0	1140.0
55°	552.4	563.9	611.3	676.3	678.0	693.8	687.7	664.0	663.1	917.8	1270.9
57.5°	683.3	679.8	698.2	728.1	733.4	734.2	737.8	716.7	722.8	940.6	1267.4
60°	773.8	764.1	744.8	758.8	765.0	774.6	786.9	763.2	770.2	960.8	1212.0
62.5°	859.0	844.0	769.4	766.7	776.4	795.7	813.3	794.8	801.0	967.9	1173.4
65°	846.7	833.5	777.3	746.5	760.6	786.9	811.5	802.7	801.0	952.9	1126.0
67.5°	729.8	730.7	724.6	724.6	719.3	757.1	796.6	797.5	788.7	915.2	1054.8
70°	627.1	623.6	633.2	670.1	675.4	720.2	772.9	781.7	770.2	873.0	986.3
72.5°	534.0	531.4	533.1	563.9	607.8	657.0	716.7	737.8	721.1	797.5	902.9
75°	441.8	439.1	438.3	448.8	483.9	545.4	613.9	651.7	637.6	687.7	780.8
77.5°	335.5	330.2	330.2	333.7	360.1	415.4	481.3	534.0	527.0	554.2	629.7
80°	223.1	224.0	222.2	221.3	238.9	271.4	319.7	382.9	379.4	379.4	418.1
82.5°	141.4	141.4	144.0	135.3	133.5	137.0	148.4	173.9	175.7	192.3	205.5
85°	90.5	91.3	91.3	82.6	79.9	82.6	90.5	98.4	101.9	118.6	133.5
87.5°	65.9	65.9	64.1	62.4	63.2	65.9	72.0	79.0	85.2	98.4	111.5
90°	50.1	50.1	49.2	48.3	50.1	53.6	61.5	69.4	77.3	92.2	104.5
92.5°	41.3	41.3	40.4	40.4	41.3	43.9	50.9	59.7	67.6	79.9	91.3
95°	34.3	35.1	34.3	35.1	36.0	37.8	42.2	49.2	54.5	62.4	70.3
97.5°	27.2	28.1	28.1	28.1	29.0	31.6	34.3	38.6	42.2	45.7	50.9
100°	20.2	21.1	21.1	21.1	22.0	24.6	27.2	29.0	29.9	30.7	33.4
102.5°	14.9	15.8	15.8	15.8	15.8	17.6	18.4	19.3	19.3	19.3	20.2
105°	10.5	10.5	10.5	10.5	10.5	10.5	11.4	11.4	11.4	11.4	11.4
107.5°	7.9	7.9	7.9	7.9	7.9	7.9	8.8	8.8	8.8	8.8	8.8
110°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.9	7.0	7.0	7.9

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CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.1	6.1	6.1	6.1	6.1	6.1	7.0	7.0	6.1	6.1	6.1
115°	5.3	5.3	5.3	5.3	5.3	5.3	6.1	6.1	5.3	5.3	5.3
117.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.3	5.3	4.4	5.3	5.3
120°	4.4	5.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.3
122.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4
125°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5
130°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
2.5°	434.7	436.5	440.0	443.5	447.0	450.6	452.3	453.2	454.1	452.3	453.2
5°	445.3	447.0	452.3	457.6	456.7	454.1	450.6	450.6	451.4	451.4	453.2
7.5°	450.6	453.2	451.4	452.3	454.1	451.4	447.9	443.5	438.3	438.3	439.1
10°	449.7	447.0	449.7	447.0	440.9	440.0	438.3	432.1	428.6	429.5	429.5
12.5°	449.7	448.8	443.5	440.9	435.6	426.0	421.6	423.3	418.9	419.8	418.1
15°	456.7	450.6	443.5	434.7	423.3	418.1	411.9	402.3	401.4	401.4	401.4
17.5°	461.1	456.7	440.9	423.3	415.4	402.3	395.2	392.6	385.6	388.2	390.0
20°	471.6	461.1	438.3	419.8	392.6	384.7	373.3	370.6	367.1	356.6	353.1
22.5°	480.4	470.8	435.6	403.1	380.3	361.9	344.3	332.0	325.8	321.4	317.9
25°	499.7	484.8	438.3	395.2	360.1	336.4	320.6	298.6	283.7	281.9	283.7
27.5°	525.2	501.5	444.4	384.7	344.3	307.4	275.8	260.8	245.0	239.8	240.6
30°	557.7	526.1	443.5	375.0	316.2	274.0	233.6	208.2	195.9	190.6	189.7
32.5°	604.3	560.3	463.7	362.7	290.7	227.5	183.6	151.9	145.8	144.9	144.0
35°	649.9	615.7	473.4	344.3	253.8	182.7	138.8	119.4	118.6	117.7	116.8
37.5°	710.5	670.1	500.6	332.9	218.7	137.9	111.5	97.5	94.9	90.5	92.2
40°	683.3	649.9	508.5	315.3	169.5	101.9	83.4	72.0	70.3	71.1	70.3
42.5°	575.3	550.7	443.5	271.4	116.8	74.7	62.4	64.1	67.6	70.3	70.3
45°	557.7	509.4	319.7	192.3	75.5	62.4	60.6	63.2	69.4	75.5	76.4
47.5°	673.6	612.2	280.2	148.4	86.9	71.1	65.0	65.0	68.5	69.4	68.5
50°	954.7	861.6	327.6	170.4	108.0	86.1	74.7	70.3	72.0	73.8	72.9
52.5°	1157.6	1040.8	373.3	203.8	135.3	102.8	87.8	77.3	75.5	75.5	74.7
55°	1276.1	1143.5	426.8	251.2	169.5	123.8	101.9	89.6	85.2	81.7	81.7
57.5°	1282.3	1147.0	483.1	297.7	211.7	154.6	121.2	104.5	101.0	93.1	91.3
60°	1239.2	1132.1	526.1	344.3	252.1	197.6	154.6	130.0	125.6	121.2	118.6
62.5°	1199.7	1107.5	547.2	382.9	295.1	245.9	196.7	162.5	148.4	153.7	157.2
65°	1148.8	1080.3	533.1	386.4	314.4	274.9	227.5	177.4	153.7	165.1	171.3
67.5°	1070.6	1009.1	498.0	354.8	293.3	257.3	213.4	166.9	148.4	152.8	152.8
70°	991.6	925.7	463.7	330.2	264.4	226.6	185.3	149.3	146.7	144.0	144.0
72.5°	898.5	820.3	418.9	315.3	252.9	220.4	180.0	150.2	157.2	160.7	160.7
75°	780.8	693.8	371.5	302.1	247.7	224.8	180.9	161.6	173.9	175.7	175.7
77.5°	639.4	544.5	316.2	278.4	232.7	216.1	168.6	159.0	171.3	173.9	174.8
80°	440.0	385.6	265.2	242.4	208.2	194.1	155.5	154.6	166.9	173.0	173.9
82.5°	223.1	219.6	193.2	190.6	177.4	169.5	144.0	150.2	163.4	172.1	173.0
85°	137.9	143.2	129.1	127.4	131.7	135.3	130.9	143.2	152.8	162.5	164.2
87.5°	115.1	121.2	108.0	102.8	104.5	110.7	115.9	129.1	137.9	145.8	146.7
90°	108.0	113.3	92.2	87.8	91.3	95.7	99.2	106.3	113.3	117.7	117.7
92.5°	94.9	96.6	76.4	72.9	78.2	80.8	79.9	81.7	81.7	72.9	72.9
95°	72.9	72.9	58.0	58.0	62.4	63.2	57.1	51.8	48.3	29.0	24.6
97.5°	52.7	51.8	42.2	42.2	45.7	44.8	37.8	31.6	26.3	16.7	17.6
100°	35.1	34.3	28.1	29.9	31.6	28.1	23.7	19.3	15.8	10.5	12.3
102.5°	21.1	20.2	18.4	19.3	18.4	17.6	14.1	11.4	9.7	6.1	7.0
105°	12.3	11.4	11.4	11.4	11.4	10.5	9.7	7.0	5.3	3.5	3.5
107.5°	8.8	8.8	8.8	7.9	7.9	7.0	6.1	5.3	3.5	2.6	1.8
110°	7.9	7.0	7.0	7.0	6.1	6.1	5.3	4.4	2.6	1.8	1.8

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.1	6.1	6.1	5.3	5.3	4.4	3.5	3.5	2.6	0.9	0.9
115°	5.3	5.3	4.4	4.4	3.5	3.5	2.6	2.6	1.8	0.9	0.9
117.5°	5.3	5.3	3.5	3.5	2.6	2.6	2.6	1.8	0.9	0.9	0.9
120°	5.3	4.4	3.5	2.6	2.6	2.6	1.8	1.8	0.9	0.0	0.9
122.5°	4.4	4.4	2.6	2.6	1.8	1.8	1.8	0.9	0.9	0.0	0.0
125°	3.5	3.5	2.6	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0
127.5°	3.5	3.5	2.6	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0
130°	2.6	2.6	1.8	1.8	1.8	1.8	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)