

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: P691132

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2607 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - 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

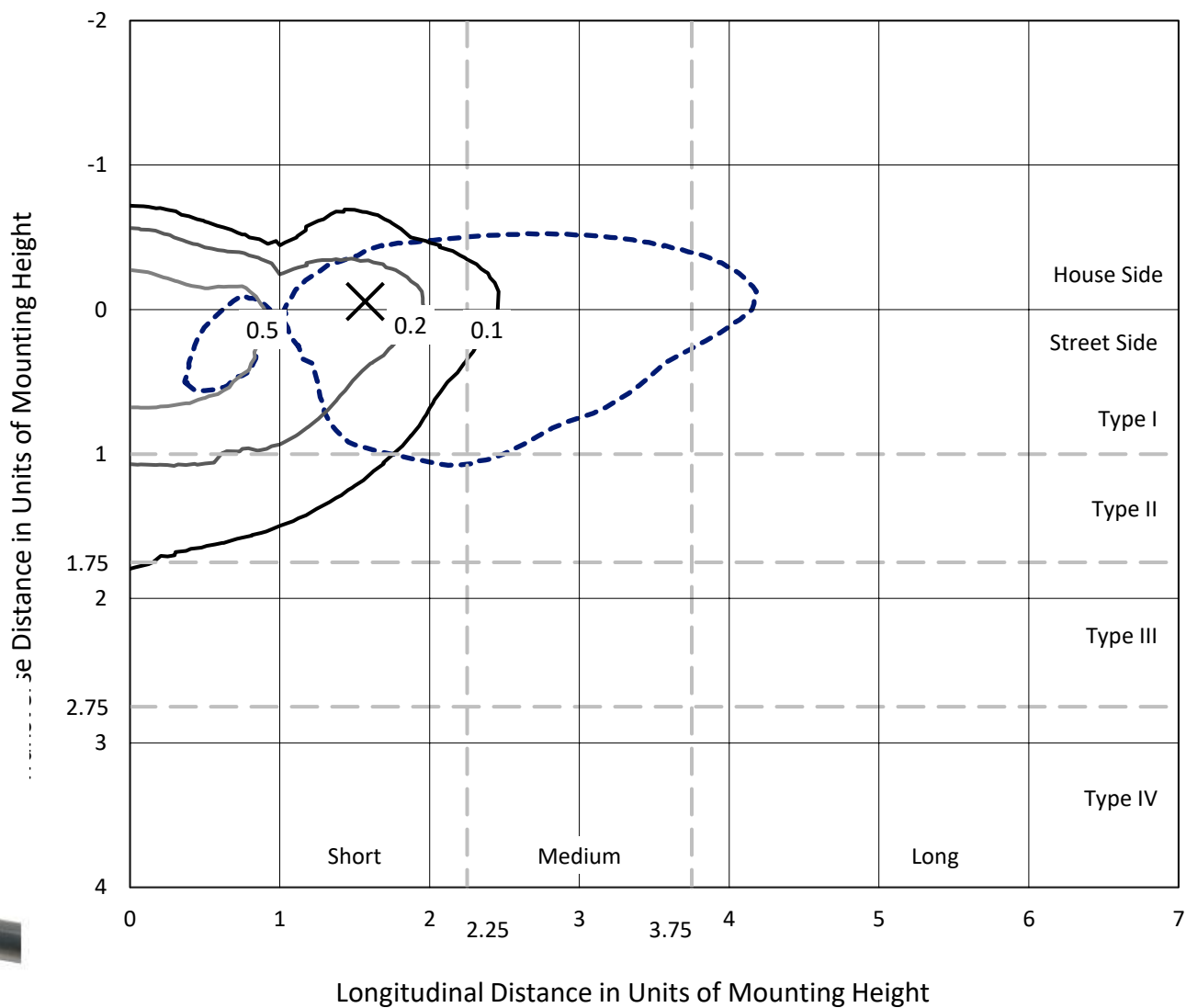


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

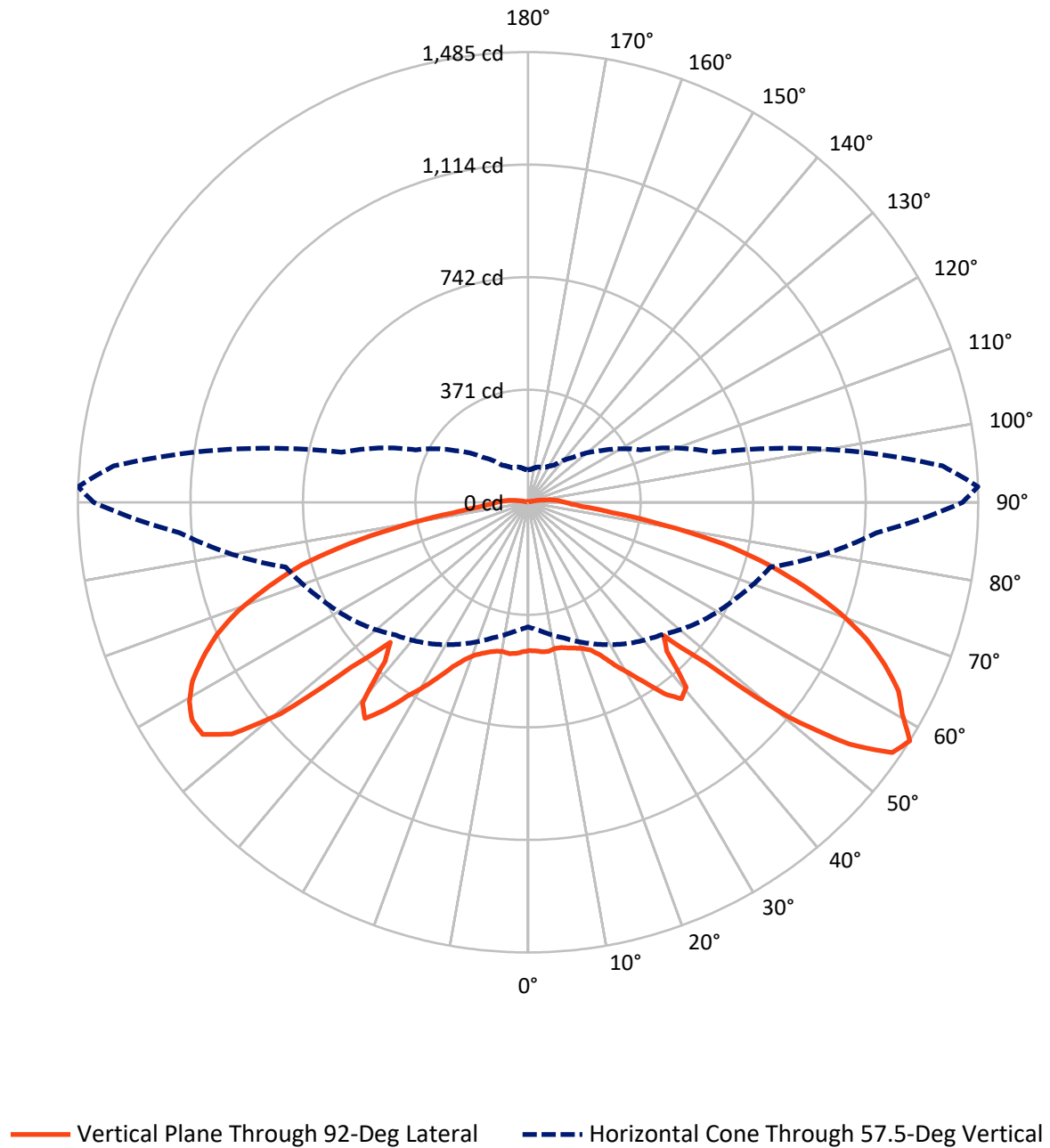


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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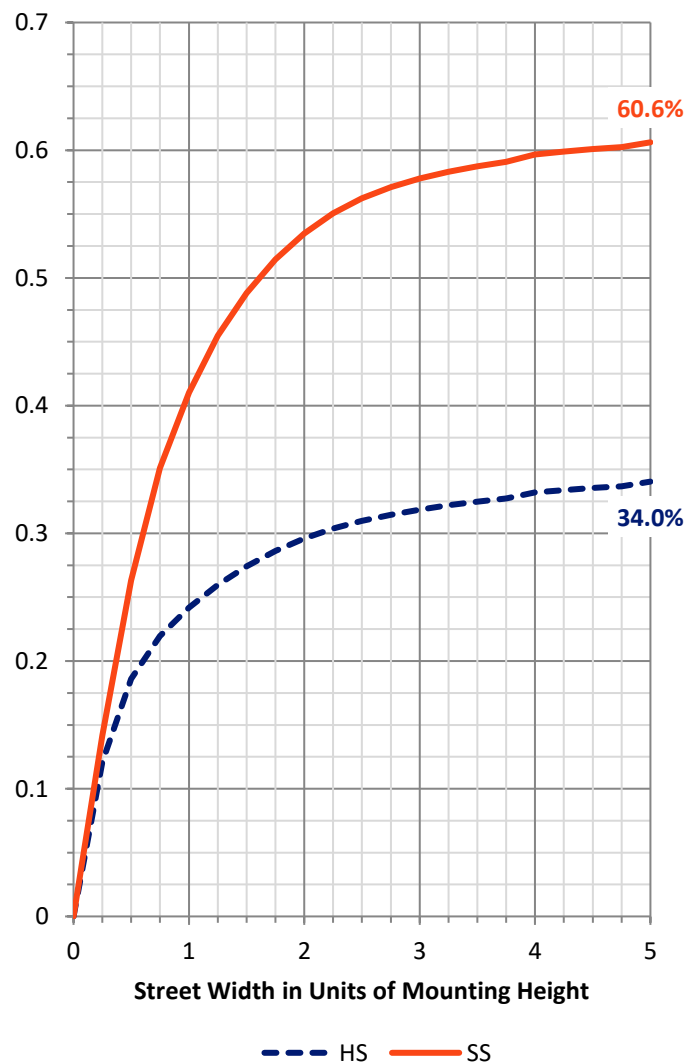
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	930.2	40.6	970.8
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	1603.0	33.2	1636.2
	% Fixture	61.5	1.3	62.8
Total	Lumens	2533.2	73.8	2607.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	1.8
10°-20°	138.1	5.3
20°-30°	229.1	8.8
30°-40°	317.1	12.2
40°-50°	296.1	11.4
50°-60°	442.4	17.0
60°-70°	525.6	20.2
70°-80°	385.7	14.8
80°-90°	152.1	5.8
90°-100°	53.6	2.1
100°-110°	12.7	0.5
110°-120°	4.9	0.2
120°-130°	2.5	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°	2533.2	97.2
0°-180°	2607.0	100.0

Coefficient of Utilization



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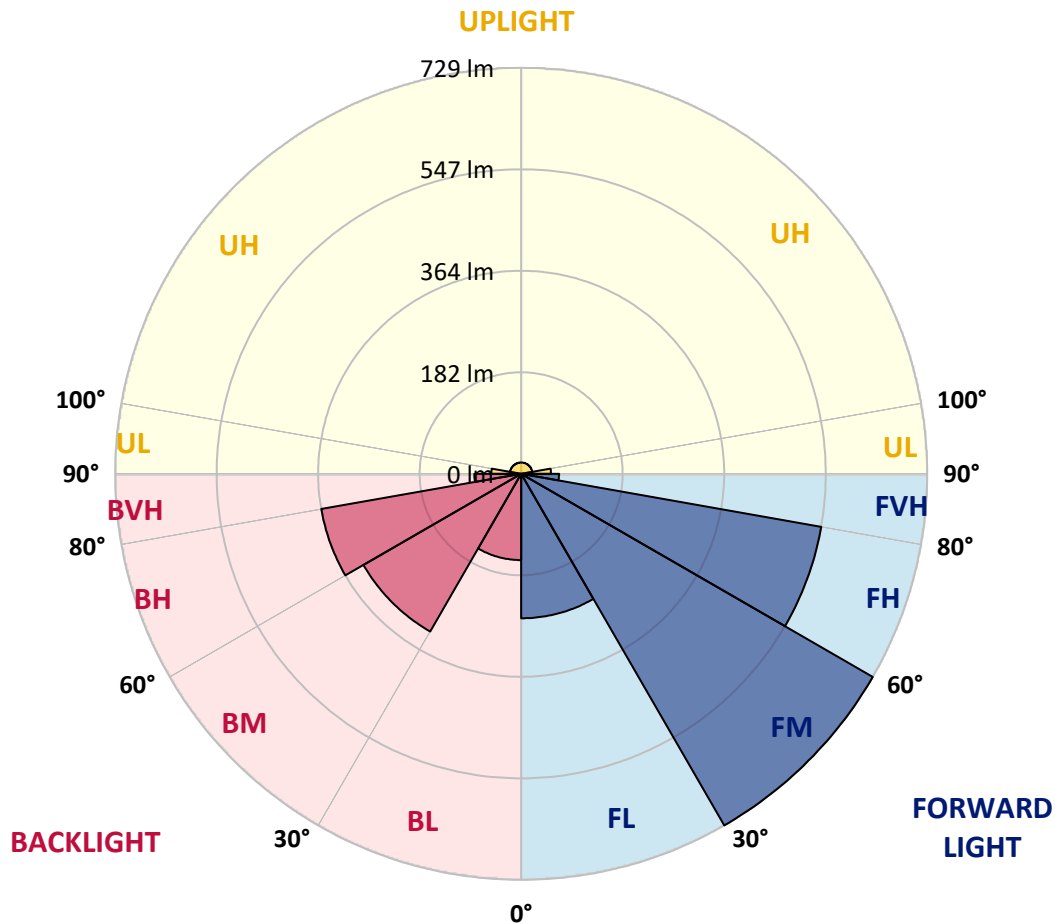
CATALOG NUMBER: CRTK2-C013-D-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.3	9.9			
FM	(30°-60°)	728.8	28.0			
FH	(60°-80°)	546.9	21.0			G0/660
FVH	(80°-90°)	68.0	2.6			G1/100
BL	(0°-30°)	154.8	5.9	B1/500		
BM	(30°-60°)	326.9	12.5	B1/1000		
BH	(60°-80°)	364.4	14.0	B1/500		G1/500
BVH	(80°-90°)	84.1	3.2			G1/100
UL	(90°-100°)	53.6	2.1		U3/500	
UH	(100°-180°)	20.3	0.8		U2/50	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
2.5°	510.1	506.6	507.5	506.6	504.8	503.1	501.3	499.6	496.9	494.3	492.5
5°	540.0	536.4	536.4	536.4	532.9	527.7	520.6	516.2	510.1	503.1	497.8
7.5°	560.1	557.5	556.6	555.8	551.4	547.9	540.0	525.9	516.2	507.5	499.6
10°	567.2	567.2	566.3	563.7	559.3	554.9	549.6	536.4	520.6	505.7	495.2
12.5°	580.3	582.1	579.5	575.1	573.3	568.0	560.1	549.6	532.1	509.2	496.9
15°	600.5	599.7	596.1	595.3	593.5	587.4	580.3	567.2	547.0	518.0	504.0
17.5°	609.3	608.4	608.4	608.4	608.4	604.0	603.2	588.2	567.2	532.1	514.5
20°	611.1	611.1	613.7	619.8	620.7	619.8	624.2	614.6	590.0	549.6	525.9
22.5°	622.5	623.4	627.8	633.9	638.3	640.0	643.6	647.9	625.1	577.7	547.9
25°	616.3	620.7	630.4	640.0	650.6	656.7	676.0	691.0	671.6	619.0	578.6
27.5°	605.8	609.3	628.6	646.2	669.9	695.4	723.4	742.8	731.4	669.9	627.8
30°	615.5	615.5	627.8	656.7	687.5	734.0	775.2	796.3	791.1	723.4	684.8
32.5°	595.3	600.5	626.9	669.0	715.5	776.1	818.3	857.8	863.0	792.8	730.5
35°	535.6	547.0	564.5	619.8	698.9	804.2	869.2	919.2	941.2	871.8	799.0
37.5°	442.5	446.9	483.8	539.1	633.0	737.5	849.9	971.9	1017.6	931.5	867.4
40°	390.7	393.3	417.0	465.3	544.3	647.1	741.9	867.4	903.4	894.7	834.1
42.5°	373.1	377.5	405.6	452.2	518.9	590.0	614.6	669.0	655.0	692.7	712.0
45°	394.2	396.8	417.0	457.4	499.6	530.3	512.7	551.4	570.7	645.3	649.7
47.5°	409.1	410.9	432.8	483.8	490.8	491.7	515.4	538.2	591.8	753.3	825.3
50°	351.2	360.0	402.1	446.0	449.5	518.9	586.5	632.1	698.0	992.1	1130.0
52.5°	325.7	330.1	375.8	452.2	503.1	583.9	632.1	677.8	741.0	1095.7	1338.0
55°	357.3	364.4	418.8	504.0	554.9	610.2	670.8	727.0	789.3	1149.3	1431.1
57.5°	410.9	424.1	463.6	515.4	568.9	619.0	689.2	754.2	827.1	1152.8	1432.9
60°	517.1	507.5	485.5	508.3	560.1	617.2	698.0	767.3	848.1	1151.9	1392.5
62.5°	590.0	576.0	503.1	492.5	540.8	598.8	678.7	765.6	843.7	1113.3	1346.8
65°	576.0	566.3	510.1	471.5	506.6	568.9	652.3	755.1	822.7	1072.0	1264.3
67.5°	496.9	485.5	461.8	446.9	464.4	537.3	627.8	734.0	798.1	1024.6	1173.8
70°	405.6	399.5	391.6	407.4	429.3	497.8	583.0	688.3	751.5	934.2	1077.3
72.5°	344.2	340.7	331.0	347.7	384.6	446.0	517.1	622.5	693.6	812.1	957.9
75°	289.7	290.6	285.3	295.9	319.6	380.2	436.4	539.1	618.1	697.1	828.8
77.5°	237.9	235.3	240.6	246.7	262.5	306.4	344.2	433.7	527.7	553.1	635.7
80°	173.8	178.2	187.9	187.0	200.2	219.5	245.0	292.4	370.5	396.0	427.6
82.5°	122.9	128.2	137.0	127.3	129.1	134.3	145.7	167.7	209.0	234.4	260.8
85°	86.9	89.6	91.3	84.3	84.3	87.8	95.7	111.5	137.0	152.8	166.8
87.5°	63.2	64.1	67.6	64.1	65.0	66.7	73.7	84.3	105.4	116.8	128.2
90°	48.3	48.3	50.0	49.2	50.9	54.4	61.5	70.2	86.0	100.1	110.6
92.5°	35.1	35.1	36.9	37.8	38.6	43.0	49.2	56.2	66.7	84.3	94.8
95°	27.2	27.2	29.0	29.0	29.9	33.4	38.6	45.7	53.6	65.8	75.5
97.5°	20.2	20.2	21.9	21.9	22.8	25.5	29.9	34.2	41.3	49.2	53.6
100°	15.8	15.8	16.7	16.7	17.6	20.2	22.8	25.5	27.2	31.6	33.4
102.5°	13.2	13.2	13.2	13.2	13.2	14.9	15.8	15.8	16.7	19.3	20.2
105°	10.5	10.5	10.5	9.7	9.7	10.5	10.5	10.5	11.4	11.4	12.3
107.5°	7.9	7.9	7.9	7.9	7.9	8.8	8.8	8.8	8.8	9.7	9.7
110°	7.0	7.0	7.0	7.0	7.0	7.0	7.9	7.9	7.9	7.9	7.9

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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	7.0	7.0	7.0
115°	5.3	5.3	5.3	5.3	5.3	6.1	7.0	6.1	6.1	6.1	6.1
117.5°	4.4	4.4	4.4	5.3	5.3	5.3	6.1	5.3	5.3	5.3	6.1
120°	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	5.3	5.3	5.3
122.5°	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	5.3
125°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0	489.0
2.5°	490.8	490.8	485.5	480.3	475.0	469.7	465.3	462.7	459.2	460.1	460.1
5°	495.2	492.5	481.1	474.1	466.2	459.2	452.2	446.0	444.3	443.4	439.9
7.5°	496.1	491.7	479.4	468.8	453.9	437.2	429.3	422.3	417.9	421.4	419.7
10°	489.9	484.6	470.6	454.8	433.7	419.7	407.4	400.4	396.8	397.7	396.8
12.5°	491.7	485.5	462.7	439.0	421.4	397.7	382.8	376.7	372.3	372.3	369.6
15°	498.7	488.2	455.7	431.1	402.1	381.9	364.4	360.0	358.2	356.5	353.8
17.5°	505.7	490.8	454.8	417.0	384.6	362.6	345.0	337.1	332.8	332.8	331.9
20°	514.5	496.1	449.5	402.1	367.9	338.9	317.8	310.8	307.3	306.4	304.7
22.5°	529.4	510.1	446.9	396.0	345.9	316.1	295.9	282.7	275.7	274.8	274.8
25°	559.3	535.6	452.2	379.3	331.0	292.4	267.8	254.6	246.7	246.7	245.8
27.5°	606.7	568.9	460.1	373.1	302.9	266.9	241.4	221.2	214.2	214.2	215.1
30°	653.2	619.8	480.3	360.0	287.1	233.5	202.8	187.9	179.1	175.6	176.5
32.5°	708.5	673.4	508.3	351.2	255.5	194.0	165.9	158.0	144.9	141.4	138.7
35°	776.1	725.2	540.0	338.9	230.9	165.1	142.2	126.4	120.3	115.9	115.0
37.5°	821.8	777.0	568.0	341.5	196.7	149.3	123.8	107.1	101.0	101.8	101.8
40°	802.5	750.7	575.1	324.0	167.7	129.9	103.6	93.9	90.4	91.3	92.2
42.5°	670.8	643.6	475.9	289.7	138.7	104.5	86.9	86.9	89.6	86.9	86.9
45°	626.9	558.4	345.9	203.7	104.5	86.0	82.5	85.2	91.3	91.3	91.3
47.5°	793.7	716.4	309.9	170.3	116.8	96.6	89.6	85.2	86.0	85.2	85.2
50°	1113.3	992.1	416.2	212.5	141.4	115.0	101.8	93.1	93.1	91.3	89.6
52.5°	1325.7	1198.4	506.6	266.0	177.4	134.3	116.8	101.0	95.7	92.2	91.3
55°	1457.4	1360.9	584.7	340.7	230.9	159.8	129.9	113.3	105.4	98.3	97.5
57.5°	1484.7	1372.3	636.5	409.1	297.6	209.8	149.3	125.6	120.3	108.9	107.1
60°	1417.9	1343.3	656.7	453.9	355.6	276.6	194.9	145.7	134.3	126.4	124.7
62.5°	1371.4	1285.4	649.7	468.8	391.6	331.9	256.4	179.1	146.6	147.5	155.4
65°	1293.3	1235.3	597.9	446.9	389.8	350.3	288.0	207.2	151.0	149.3	158.9
67.5°	1203.7	1158.0	546.1	398.6	359.1	324.8	267.8	197.5	143.1	134.3	135.2
70°	1088.7	1050.1	493.4	371.4	331.0	288.0	232.7	171.2	141.4	127.3	127.3
72.5°	956.1	910.5	449.5	351.2	316.1	276.6	223.0	165.1	151.9	146.6	151.0
75°	815.6	757.7	415.3	331.9	305.5	276.6	222.1	165.1	151.9	147.5	147.5
77.5°	657.6	623.4	378.4	301.1	284.5	263.4	204.6	153.6	149.3	147.5	147.5
80°	454.8	449.5	308.2	261.6	257.2	249.3	192.3	148.4	148.4	145.7	142.2
82.5°	279.2	266.0	220.4	195.8	210.7	222.1	174.7	139.6	136.1	133.5	131.7
85°	180.9	181.7	154.5	137.0	145.7	169.4	147.5	126.4	121.2	122.9	122.9
87.5°	138.7	143.1	121.2	111.5	109.7	115.0	115.9	113.3	109.7	107.1	108.0
90°	119.4	121.2	97.5	89.6	88.7	90.4	90.4	95.7	95.7	86.9	81.7
92.5°	100.1	102.7	80.8	72.9	72.9	75.5	77.3	77.3	70.2	57.1	50.9
95°	79.0	80.8	64.1	57.9	58.8	58.8	57.9	55.3	43.0	25.5	22.8
97.5°	55.3	56.2	47.4	43.9	44.8	43.0	37.8	34.2	26.3	14.9	14.0
100°	35.1	36.0	29.9	29.0	31.6	28.1	24.6	22.8	15.8	9.7	11.4
102.5°	21.1	21.1	18.4	17.6	19.3	16.7	14.9	12.3	9.7	6.1	7.9
105°	12.3	12.3	11.4	11.4	11.4	10.5	9.7	7.9	5.3	4.4	4.4
107.5°	9.7	9.7	8.8	8.8	7.9	7.9	7.0	5.3	3.5	2.6	2.6
110°	7.9	7.9	7.0	7.0	7.0	6.1	5.3	4.4	2.6	1.8	1.8

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.0	7.0	6.1	6.1	5.3	5.3	4.4	3.5	2.6	1.8	1.8
115°	6.1	6.1	5.3	4.4	4.4	4.4	3.5	2.6	1.8	0.9	1.8
117.5°	6.1	6.1	4.4	3.5	3.5	3.5	2.6	2.6	1.8	0.9	0.9
120°	5.3	5.3	3.5	3.5	2.6	2.6	2.6	1.8	0.9	0.9	0.9
122.5°	4.4	4.4	3.5	2.6	2.6	2.6	1.8	1.8	0.9	0.9	0.9
125°	4.4	4.4	2.6	2.6	2.6	1.8	1.8	1.8	0.9	0.0	0.0
127.5°	3.5	3.5	2.6	2.6	1.8	1.8	1.8	0.9	0.9	0.0	0.0
130°	2.6	2.6	2.6	2.6	1.8	1.8	1.8	0.9	0.9	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)