

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: P691120

Luminaire Tested: **CRTK2-C013-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2738 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G1

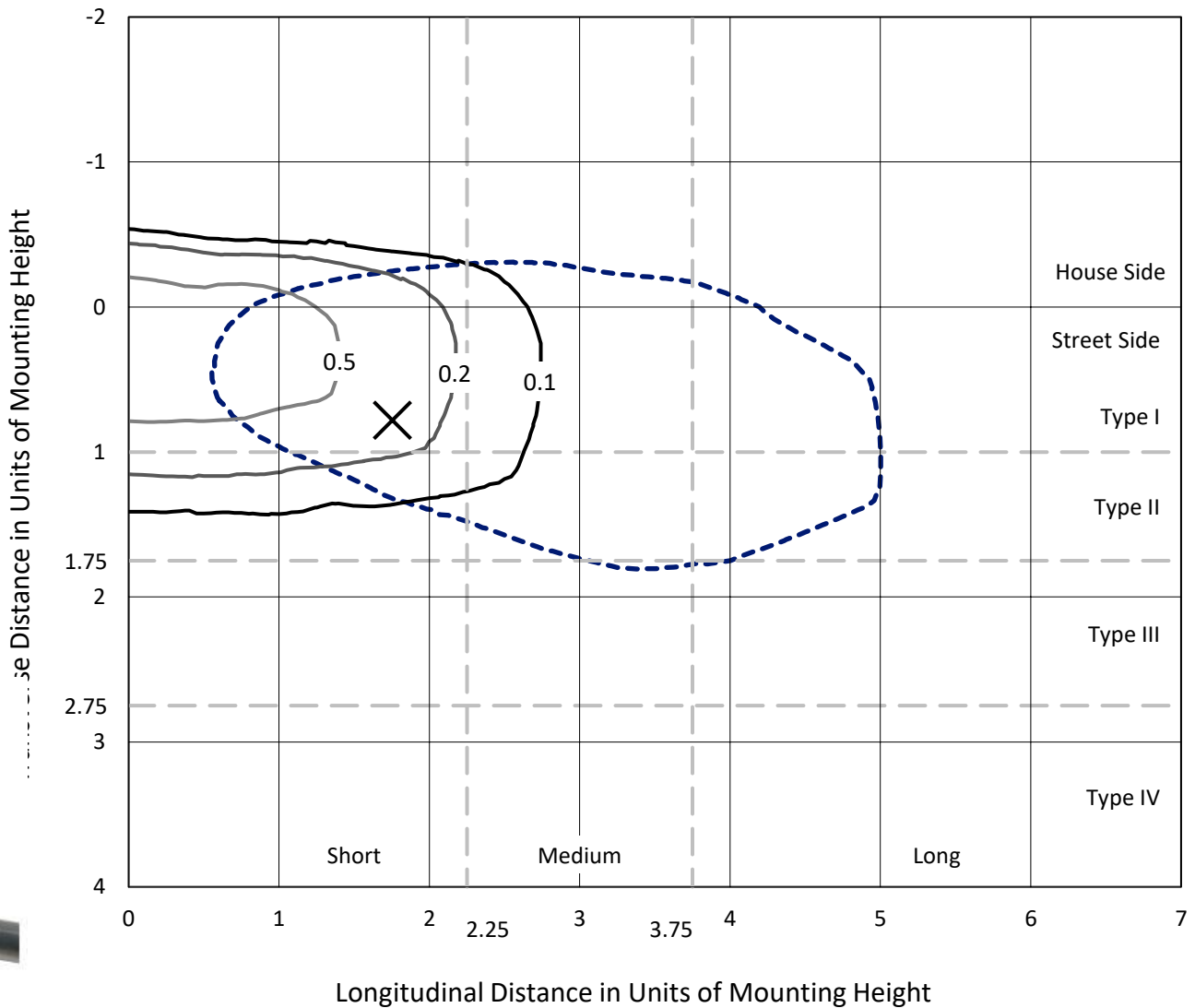
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P691120  
 CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-HSS-CRTK2

### Iso-Footcandle Lines of Horizontal Illumination

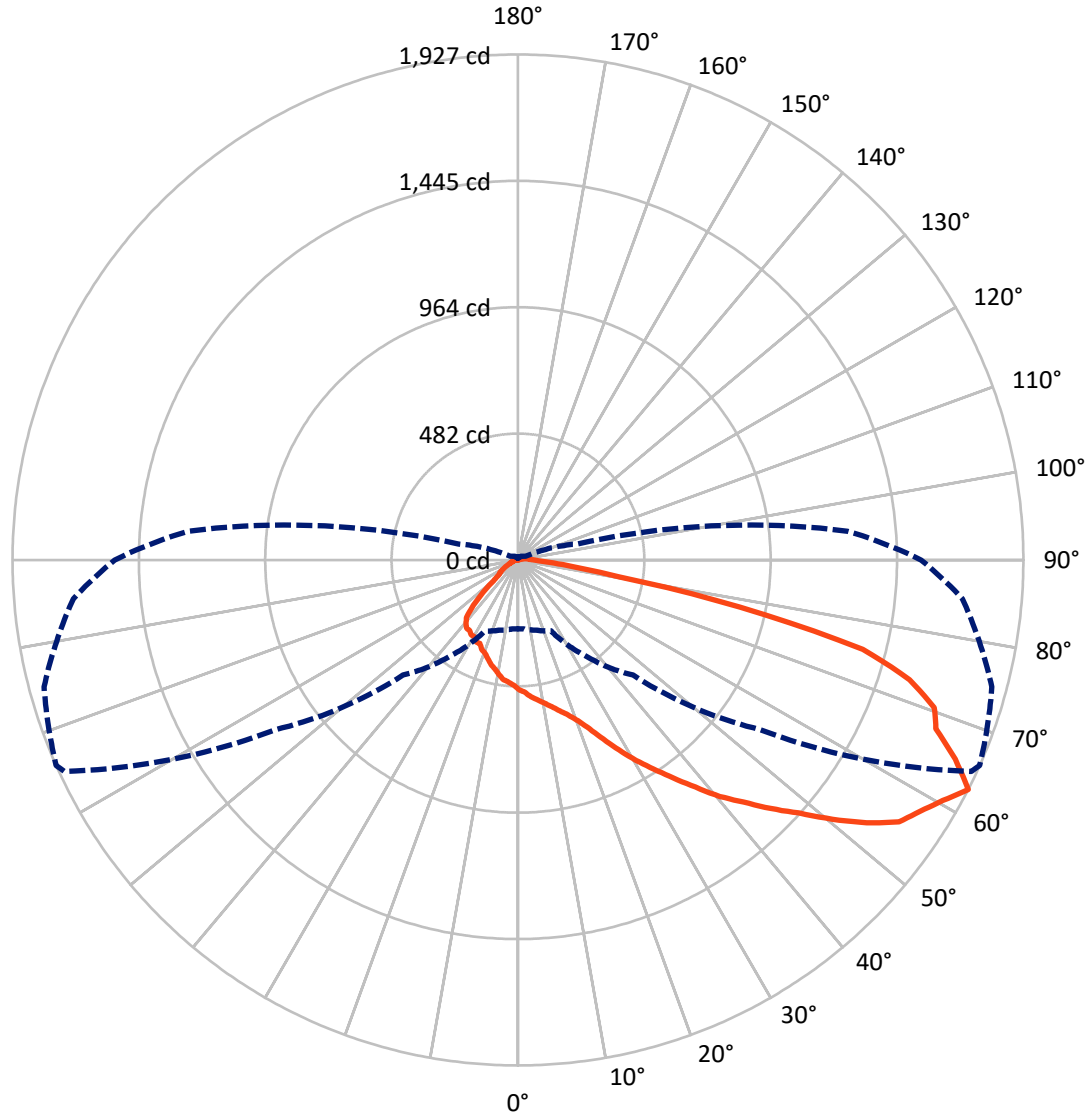
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P691120  
CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-HSS-CRTK2

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P691120

CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-HSS-CRTK2

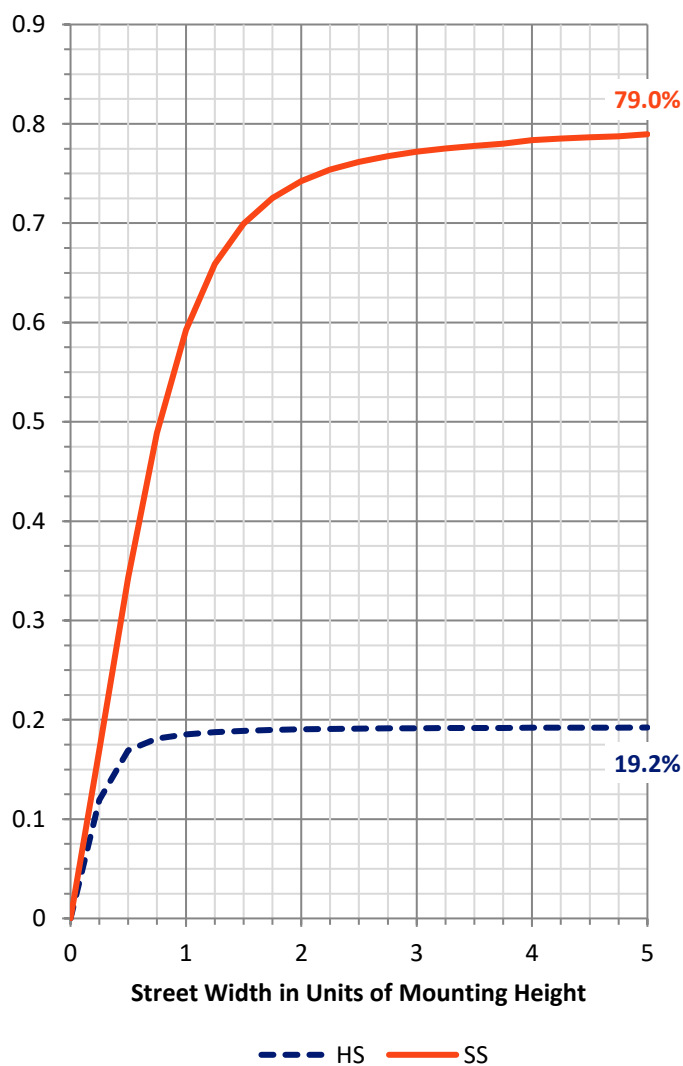
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	533.8	7.5	541.3
	% Fixture	19.5	0.3	19.8
<b>Street Side</b>	Lumens	2175.8	20.9	2196.6
	% Fixture	79.5	0.8	80.2
<b>Total</b>	Lumens	2709.6	28.4	2738.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.0	1.7
10°-20°	137.8	5.0
20°-30°	231.8	8.5
30°-40°	344.7	12.6
40°-50°	456.1	16.7
50°-60°	531.1	19.4
60°-70°	530.2	19.4
70°-80°	355.8	13.0
80°-90°	75.2	2.7
90°-100°	22.9	0.8
100°-110°	4.0	0.1
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2709.6	99.0
0°-180°	2738.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691120

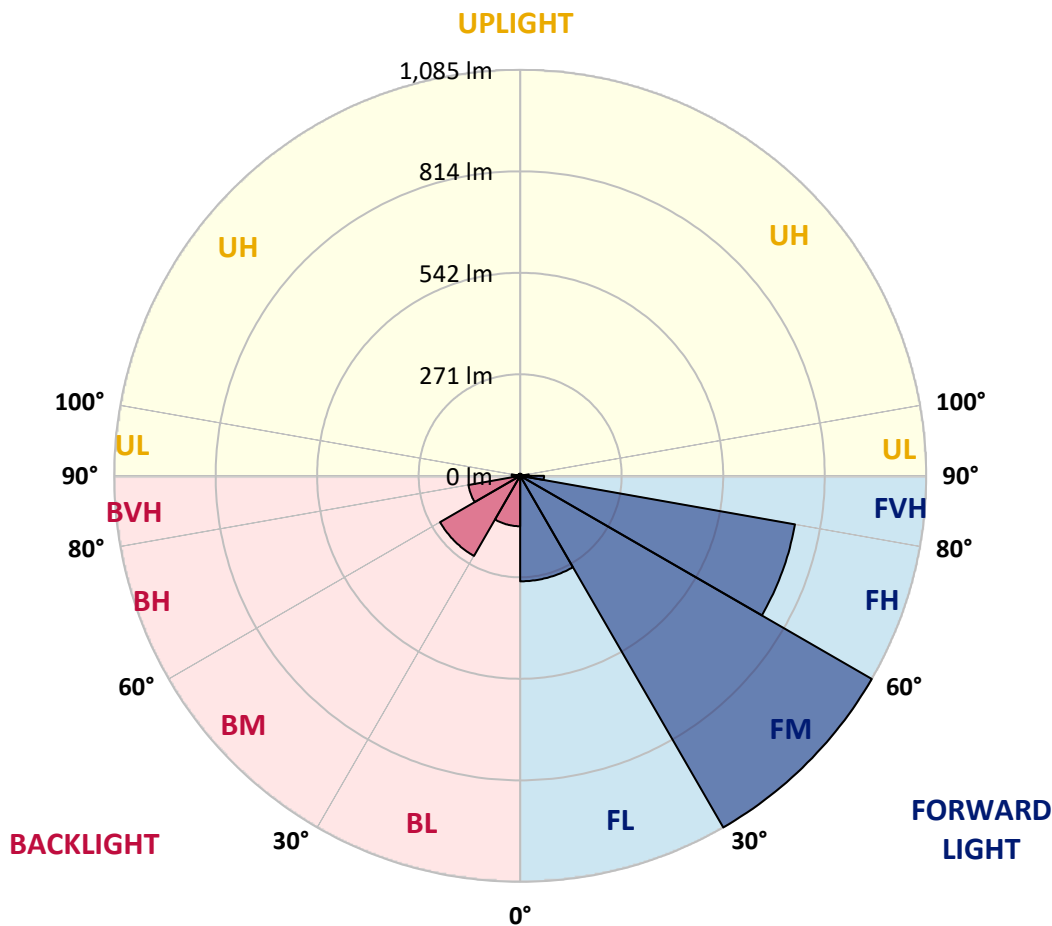
CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.9	10.3			
FM (30°-60°)	1084.7	39.6			
FH (60°-80°)	745.6	27.2			G1/1800
FVH (80°-90°)	63.6	2.3			G1/100
BL (0°-30°)	134.7	4.9	B1/500		
BM (30°-60°)	247.2	9.0	B1/1000		
BH (60°-80°)	140.4	5.1	B1/500		G1/500
BVH (80°-90°)	11.6	0.4			G1/100
UL (90°-100°)	22.9	0.8		U2/50	
UH (100°-180°)	5.5	0.2		U1/10	

**BUG Rating: B1-U2-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7
2.5°	528.1	525.0	526.0	521.0	515.9	512.9	509.8	504.8	504.8	500.7	495.7
5°	565.5	566.5	565.5	559.4	553.3	544.2	533.1	524.0	524.0	514.9	502.8
7.5°	590.8	589.8	589.8	582.7	578.6	573.6	560.4	540.2	539.2	527.0	511.9
10°	600.9	601.9	605.9	595.8	591.8	584.7	577.6	557.4	555.4	535.1	510.9
12.5°	623.1	624.2	622.1	614.0	609.0	603.9	592.8	575.6	573.6	551.3	517.9
15°	649.4	649.4	646.4	638.3	635.3	628.2	615.1	598.9	596.8	571.6	531.1
17.5°	663.6	665.6	665.6	654.5	655.5	652.5	645.4	624.2	621.1	597.9	549.3
20°	670.7	671.7	673.7	673.7	672.7	671.7	675.7	656.5	654.5	627.2	570.5
22.5°	690.9	692.9	698.0	695.0	698.0	702.1	703.1	702.1	699.0	669.7	605.9
25°	700.0	706.1	713.2	722.3	731.4	737.5	751.6	758.7	756.7	728.4	661.6
27.5°	689.9	696.0	721.3	738.5	766.8	784.0	810.3	821.4	820.4	797.1	719.2
30°	707.1	709.1	720.3	744.5	781.0	828.5	864.9	882.1	886.2	864.9	779.9
32.5°	681.8	688.9	720.3	765.8	820.4	871.0	906.4	944.8	949.9	940.8	859.9
35°	679.8	684.9	702.1	751.6	821.4	915.5	964.1	1016.7	1020.7	1023.7	940.8
37.5°	651.5	658.6	692.9	755.7	851.8	944.8	1012.6	1088.5	1098.6	1110.7	1008.6
40°	620.1	625.2	654.5	721.3	844.7	979.2	1059.1	1175.5	1185.6	1200.8	1098.6
42.5°	573.6	584.7	634.3	706.1	840.6	989.3	1105.7	1252.4	1261.5	1282.7	1174.5
45°	532.1	537.2	575.6	654.5	808.3	1007.6	1145.1	1342.4	1351.5	1361.6	1234.2
47.5°	499.7	505.8	542.2	613.0	775.9	1003.5	1181.5	1431.4	1441.5	1464.8	1308.0
50°	396.5	411.7	503.8	572.6	722.3	995.4	1212.9	1530.6	1553.8	1562.9	1384.9
52.5°	340.9	346.0	393.5	536.1	669.7	966.1	1240.2	1638.8	1665.1	1647.9	1488.1
55°	317.6	320.7	343.9	464.3	622.1	906.4	1262.5	1743.0	1762.2	1707.6	1563.9
57.5°	300.4	305.5	315.6	376.3	566.5	806.2	1263.5	1800.6	1807.7	1757.2	1600.4
60°	278.2	280.2	301.5	327.8	503.8	702.1	1229.1	1830.0	1861.3	1814.8	1674.2
62.5°	262.0	264.0	277.2	298.4	444.1	620.1	1127.9	1907.9	1927.1	1870.4	1701.5
65°	241.8	244.8	255.9	277.2	402.6	570.5	1077.4	1887.6	1832.0	1857.3	1732.9
67.5°	220.5	222.6	234.7	250.9	342.9	523.0	951.9	1759.2	1718.7	1791.5	1648.9
70°	198.3	200.3	211.4	222.6	282.2	464.3	793.1	1649.9	1684.3	1688.4	1570.0
72.5°	175.0	177.0	187.1	196.3	233.7	390.5	630.2	1540.7	1561.9	1500.2	1386.9
75°	151.7	152.8	160.8	169.9	194.2	314.6	451.2	1277.7	1358.6	1433.4	1196.7
77.5°	122.4	124.4	132.5	135.6	155.8	253.9	292.4	759.7	865.9	1254.4	1074.3
80°	90.0	91.0	99.1	98.1	116.3	185.1	184.1	361.1	388.5	774.9	789.0
82.5°	59.7	61.7	68.8	66.8	78.9	112.3	115.3	194.2	207.4	300.4	346.0
85°	47.5	48.6	52.6	48.6	52.6	56.6	63.7	117.3	119.4	178.0	177.0
87.5°	38.4	39.5	43.5	40.5	41.5	43.5	50.6	74.9	76.9	112.3	116.3
90°	30.3	31.4	36.4	33.4	33.4	36.4	42.5	55.6	58.7	88.0	95.1
92.5°	20.2	20.2	23.3	22.3	22.3	26.3	37.4	41.5	44.5	81.9	86.0
95°	15.2	15.2	16.2	16.2	16.2	19.2	28.3	39.5	43.5	79.9	77.9
97.5°	10.1	10.1	11.1	11.1	11.1	12.1	16.2	32.4	36.4	64.7	63.7
100°	7.1	7.1	7.1	6.1	6.1	6.1	9.1	21.2	24.3	41.5	41.5
102.5°	5.1	4.0	4.0	4.0	3.0	3.0	4.0	10.1	11.1	22.3	21.2
105°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	4.0	4.0	9.1	9.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
110°	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):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0
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°	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7
2.5°	492.6	489.6	482.5	476.5	471.4	466.3	458.3	455.2	453.2	456.2	456.2
5°	495.7	487.6	475.5	465.3	456.2	445.1	433.0	425.9	419.8	422.8	422.8
7.5°	500.7	489.6	474.4	457.2	434.0	414.8	399.6	390.5	385.4	388.5	390.5
10°	497.7	485.6	465.3	439.0	411.7	391.5	372.3	358.1	353.0	351.0	353.0
12.5°	500.7	486.6	452.2	420.8	394.5	362.2	338.9	323.7	317.6	317.6	317.6
15°	510.9	489.6	444.1	407.7	367.2	335.9	311.6	295.4	293.4	286.3	286.3
17.5°	525.0	492.6	441.1	387.4	342.9	310.6	282.2	266.1	261.0	262.0	262.0
20°	539.2	498.7	435.0	370.2	320.7	282.2	252.9	237.7	225.6	221.5	223.6
22.5°	563.5	515.9	429.9	361.1	295.4	259.0	226.6	201.3	181.1	175.0	172.0
25°	598.9	543.2	437.0	339.9	280.2	232.7	194.2	158.8	134.5	128.5	127.5
27.5°	663.6	585.7	445.1	339.9	255.9	209.4	154.8	117.3	98.1	92.1	94.1
30°	724.3	643.4	468.4	321.7	245.8	167.9	115.3	88.0	70.8	63.7	65.8
32.5°	774.9	698.0	500.7	317.6	216.5	124.4	84.0	61.7	49.6	45.5	46.5
35°	847.7	744.5	526.0	303.5	178.0	91.0	58.7	43.5	38.4	36.4	36.4
37.5°	917.5	801.2	551.3	300.4	131.5	66.8	39.5	35.4	34.4	31.4	31.4
40°	984.3	858.8	562.5	283.2	93.1	43.5	33.4	32.4	31.4	28.3	28.3
42.5°	1066.2	914.5	572.6	261.0	64.7	32.4	29.3	30.3	29.3	26.3	25.3
45°	1128.9	951.9	575.6	204.3	41.5	30.3	27.3	28.3	27.3	24.3	24.3
47.5°	1181.5	1002.5	563.5	139.6	34.4	28.3	25.3	26.3	25.3	23.3	22.3
50°	1235.2	1049.0	552.3	74.9	32.4	27.3	24.3	22.3	23.3	21.2	20.2
52.5°	1308.0	1083.4	523.0	45.5	30.3	25.3	22.3	20.2	20.2	18.2	19.2
55°	1408.1	1168.4	468.4	42.5	29.3	24.3	21.2	18.2	18.2	16.2	16.2
57.5°	1452.7	1201.8	380.4	38.4	28.3	24.3	19.2	16.2	14.2	13.2	12.1
60°	1507.3	1251.4	299.4	35.4	26.3	23.3	17.2	14.2	11.1	10.1	10.1
62.5°	1537.6	1261.5	233.7	32.4	25.3	20.2	15.2	11.1	9.1	7.1	7.1
65°	1552.8	1254.4	155.8	29.3	23.3	19.2	13.2	9.1	6.1	5.1	5.1
67.5°	1495.1	1217.0	90.0	27.3	22.3	17.2	11.1	7.1	5.1	4.0	3.0
70°	1397.0	1107.7	56.6	24.3	21.2	15.2	10.1	6.1	4.0	3.0	2.0
72.5°	1281.7	904.4	41.5	22.3	20.2	13.2	8.1	5.1	3.0	2.0	2.0
75°	1170.4	788.0	35.4	19.2	17.2	11.1	7.1	4.0	3.0	2.0	1.0
77.5°	837.6	537.2	31.4	17.2	15.2	9.1	5.1	4.0	2.0	1.0	1.0
80°	594.8	315.6	28.3	14.2	12.1	7.1	5.1	3.0	2.0	1.0	1.0
82.5°	285.3	163.9	27.3	12.1	9.1	6.1	4.0	3.0	2.0	1.0	1.0
85°	129.5	69.8	20.2	11.1	8.1	6.1	4.0	3.0	2.0	2.0	1.0
87.5°	78.9	36.4	16.2	9.1	6.1	5.1	3.0	2.0	2.0	2.0	2.0
90°	73.8	47.5	12.1	7.1	5.1	4.0	3.0	1.0	0.0	0.0	0.0
92.5°	70.8	54.6	9.1	5.1	3.0	3.0	1.0	0.0	0.0	0.0	0.0
95°	66.8	51.6	10.1	3.0	5.1	2.0	1.0	0.0	0.0	0.0	0.0
97.5°	52.6	40.5	11.1	3.0	25.3	2.0	1.0	0.0	0.0	0.0	0.0
100°	33.4	25.3	8.1	3.0	30.3	2.0	0.0	0.0	0.0	0.0	0.0
102.5°	19.2	14.2	4.0	3.0	9.1	1.0	0.0	0.0	0.0	0.0	0.0
105°	8.1	7.1	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T2-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.0	1.0	1.0	1.0	1.0	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)