

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: P691101

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2075.9 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 23.2
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



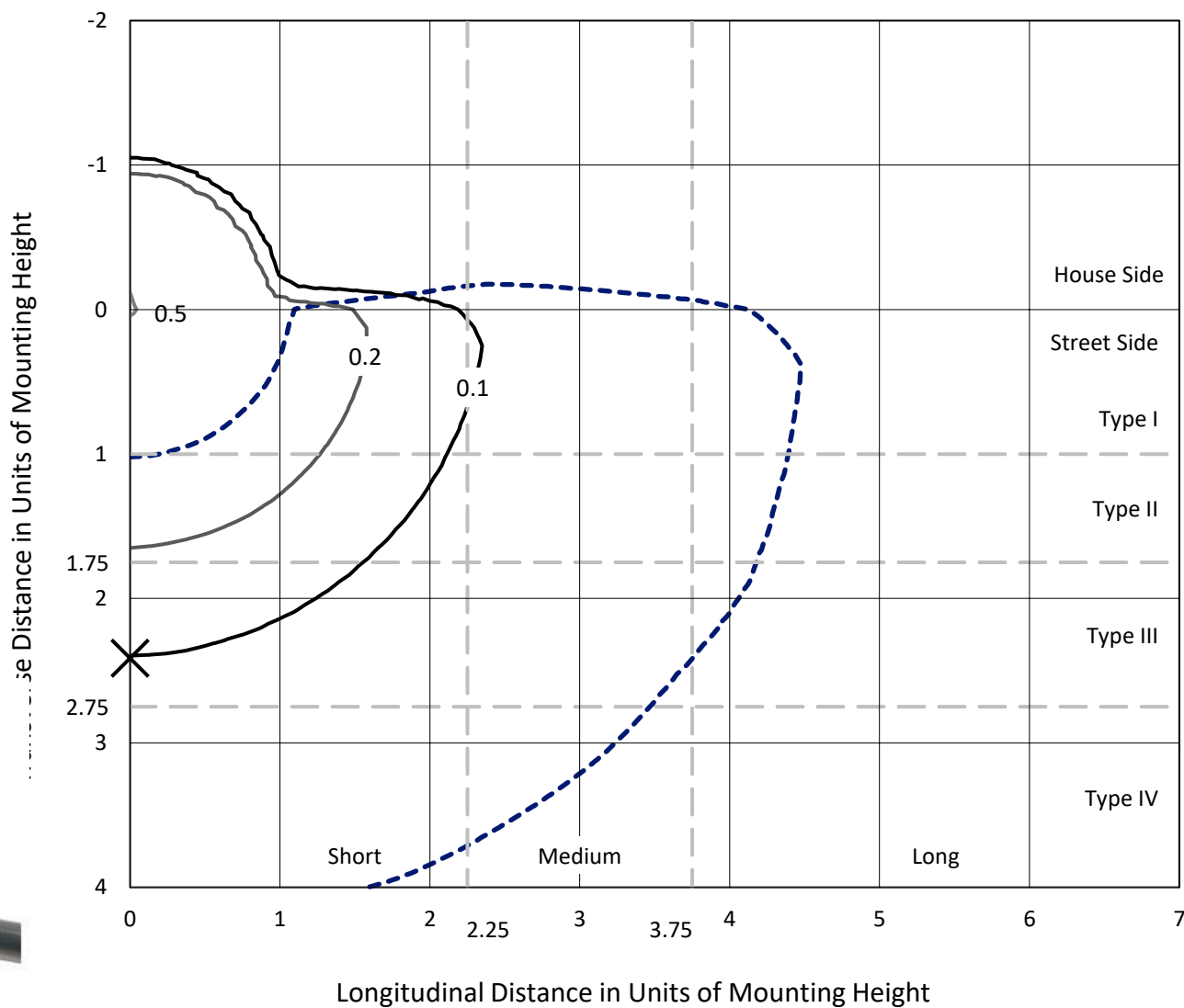
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

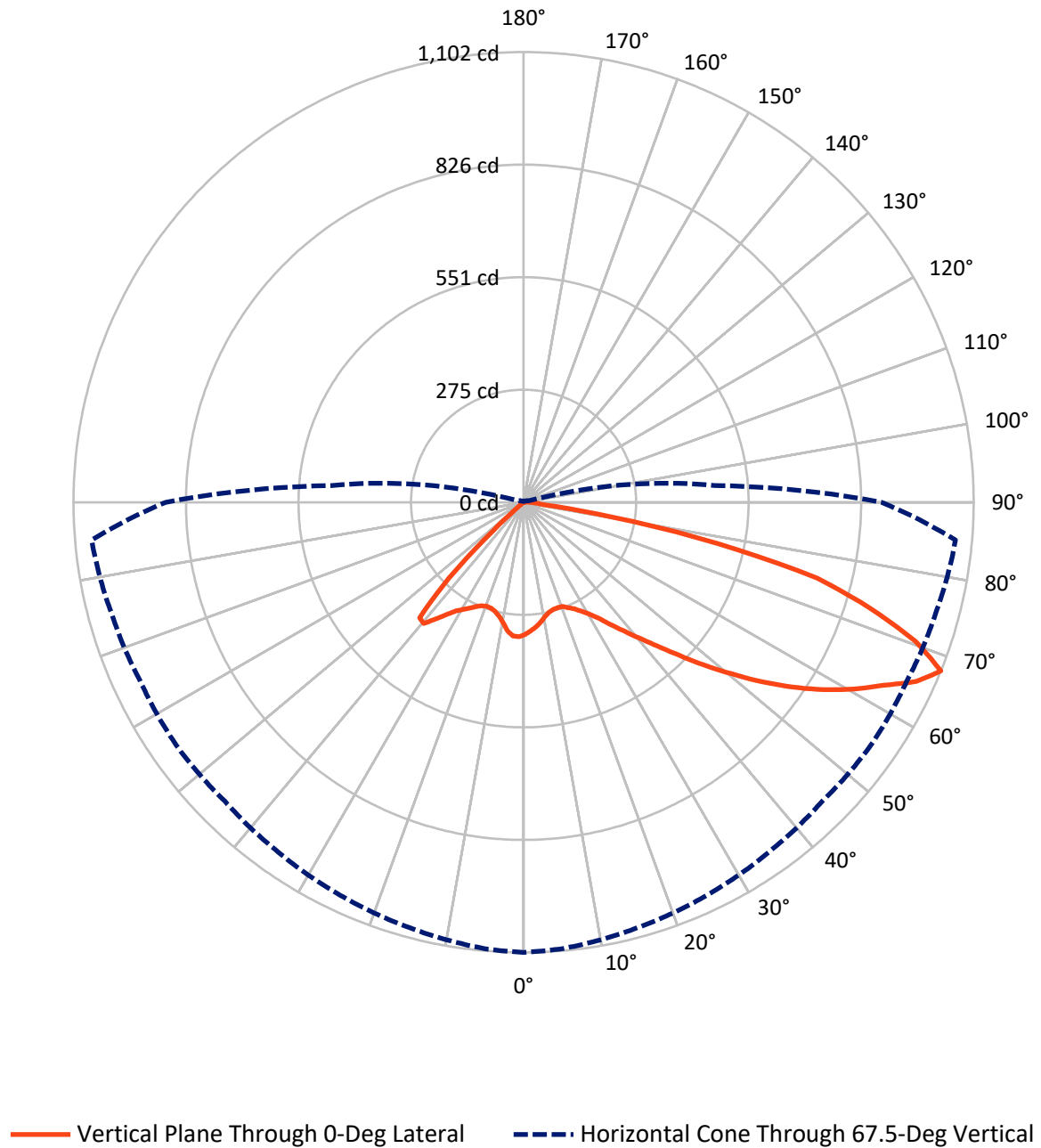


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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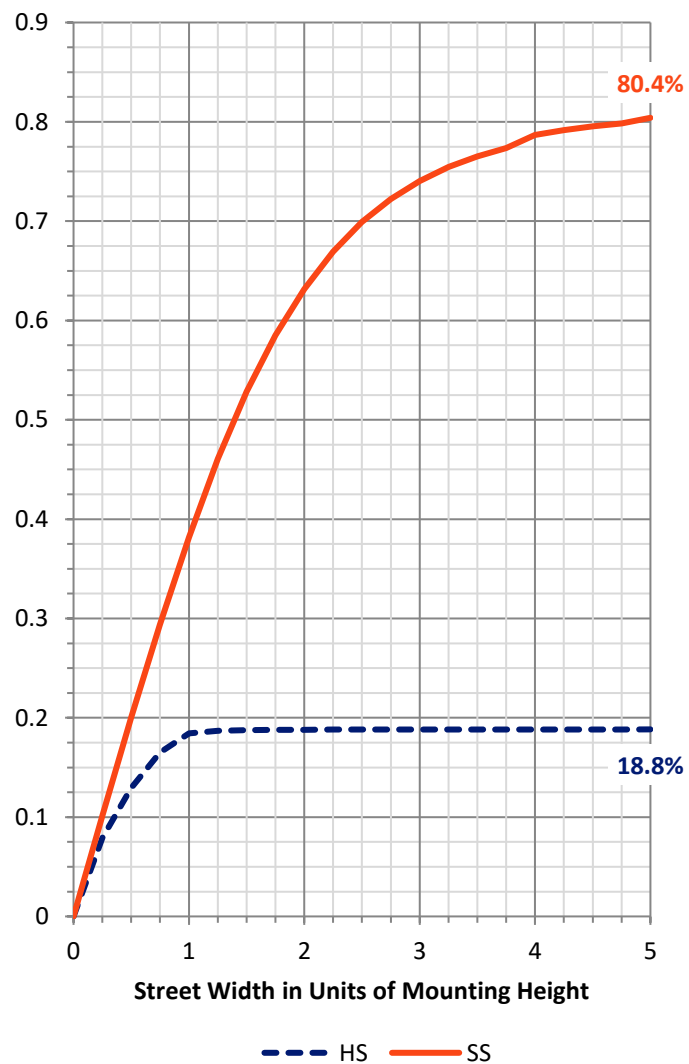
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	393.1	0.7	393.9
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1677.4	4.7	1682.1
	% Fixture	80.8	0.2	81.0
Total	Lumens	2070.5	5.4	2075.9
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	1.4
10°-20°	76.2	3.7
20°-30°	130.7	6.3
30°-40°	221.0	10.6
40°-50°	294.9	14.2
50°-60°	374.4	18.0
60°-70°	524.3	25.3
70°-80°	379.7	18.3
80°-90°	40.5	1.9
90°-100°	4.5	0.2
100°-110°	0.4	0.0
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2070.5	99.7
0°-180°	2075.9	100.0

Coefficient of Utilization



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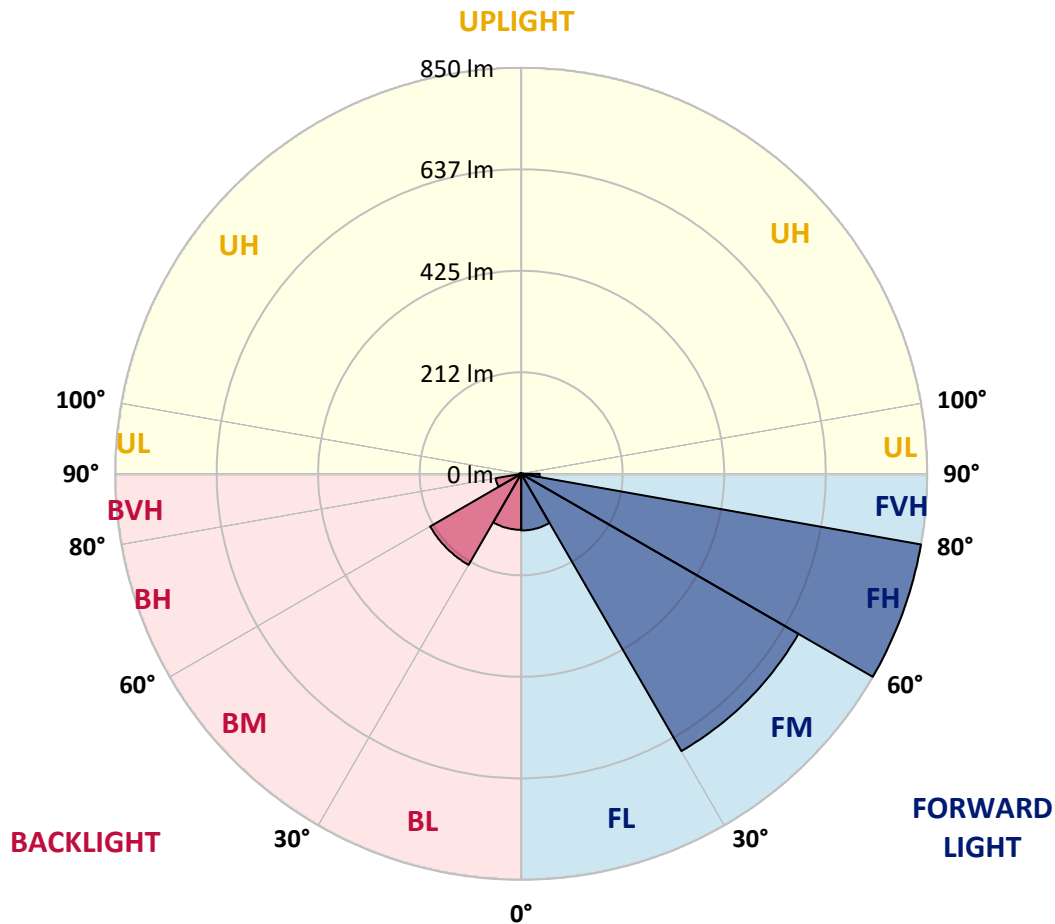
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.7	5.7			
FM	(30°-60°)	670.1	32.3			
FH	(60°-80°)	849.7	40.9			G1/1800
FVH	(80°-90°)	39.0	1.9			G1/100
BL	(0°-30°)	117.2	5.6	B1/500		
BM	(30°-60°)	220.1	10.6	B1/1000		
BH	(60°-80°)	54.3	2.6	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	4.5	0.2		U1/10	
UH	(100°-180°)	0.9	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9
2.5°	315.6	316.7	316.7	316.7	317.7	316.7	316.7	316.7	316.7	317.7	317.7
5°	307.3	307.3	307.3	308.4	308.4	307.3	306.3	307.3	307.3	308.4	308.4
7.5°	296.9	296.9	296.9	298.0	296.9	294.9	292.8	293.8	292.8	293.8	294.9
10°	284.5	285.5	285.5	284.5	283.4	280.3	277.2	278.2	277.2	278.2	278.2
12.5°	276.2	277.2	277.2	276.2	273.1	271.0	268.9	266.8	265.8	267.9	266.8
15°	272.0	273.1	273.1	272.0	269.9	267.9	263.7	262.7	260.6	259.6	260.6
17.5°	271.0	271.0	271.0	269.9	267.9	264.7	262.7	260.6	259.6	259.6	258.5
20°	272.0	274.1	273.1	272.0	269.9	267.9	264.7	261.6	261.6	261.6	260.6
22.5°	280.3	280.3	279.3	279.3	277.2	274.1	271.0	268.9	266.8	266.8	266.8
25°	288.6	289.7	289.7	288.6	285.5	281.4	280.3	277.2	276.2	275.1	274.1
27.5°	302.1	301.1	302.1	302.1	298.0	295.9	292.8	290.7	289.7	287.6	286.6
30°	317.7	317.7	317.7	317.7	314.6	310.4	308.4	305.2	302.1	302.1	300.0
32.5°	338.5	339.5	339.5	338.5	335.3	331.2	329.1	325.0	323.9	321.9	319.8
35°	367.5	367.5	367.5	365.5	361.3	358.2	356.1	353.0	352.0	348.8	343.7
37.5°	399.7	399.7	401.8	399.7	395.6	391.4	388.3	386.2	383.1	381.0	377.9
40°	437.1	437.1	438.1	435.0	430.9	428.8	425.7	421.5	419.4	418.4	412.2
42.5°	480.7	482.8	482.8	479.7	476.5	473.4	469.3	466.2	464.1	459.9	451.6
45°	533.7	532.6	534.7	531.6	529.5	528.5	522.2	515.0	516.0	506.7	497.3
47.5°	595.9	597.0	595.9	592.8	590.8	589.7	583.5	574.1	570.0	562.7	545.1
50°	659.3	660.3	659.3	657.2	659.3	653.0	645.8	637.5	636.4	627.1	600.1
52.5°	728.8	725.7	724.7	723.6	721.6	718.5	711.2	701.8	702.9	692.5	649.9
55°	798.4	795.3	790.1	788.0	785.9	780.8	774.5	771.4	770.4	760.0	702.9
57.5°	864.8	859.7	852.4	851.4	848.2	841.0	837.9	832.7	832.7	821.2	741.3
60°	928.2	922.0	913.6	909.5	904.3	898.1	897.0	893.9	895.0	888.7	782.8
62.5°	986.3	981.1	970.7	964.5	956.2	951.0	952.1	950.0	954.1	950.0	819.2
65°	1056.9	1050.7	1038.2	1024.7	1013.3	1005.0	1001.9	1008.1	1025.8	1029.9	868.0
67.5°	1101.6	1096.4	1077.7	1061.1	1045.5	1034.1	1037.2	1035.1	1044.5	1061.1	876.3
70°	1017.5	1015.4	996.7	986.3	974.9	963.5	964.5	961.4	968.7	972.8	803.6
72.5°	887.7	898.1	874.2	873.2	865.9	866.9	855.5	863.8	858.6	858.6	711.2
75°	742.3	720.5	713.3	730.9	720.5	721.6	719.5	728.8	727.8	728.8	618.8
77.5°	486.9	491.1	481.7	500.4	509.8	525.3	532.6	557.5	548.2	546.1	490.0
80°	218.0	223.2	224.3	241.9	253.3	268.9	263.7	281.4	269.9	251.3	239.8
82.5°	48.8	48.8	55.0	70.6	74.8	77.9	77.9	81.0	64.4	39.5	32.2
85°	33.2	32.2	43.6	59.2	62.3	60.2	58.1	54.0	37.4	11.4	9.3
87.5°	21.8	22.8	35.3	48.8	50.9	47.8	44.6	40.5	27.0	3.1	2.1
90°	14.5	16.6	27.0	37.4	37.4	35.3	32.2	27.0	16.6	1.0	1.0
92.5°	7.3	8.3	13.5	16.6	15.6	13.5	12.5	10.4	6.2	1.0	1.0
95°	4.2	4.2	6.2	6.2	6.2	5.2	5.2	4.2	2.1	1.0	1.0
97.5°	3.1	3.1	4.2	4.2	3.1	3.1	3.1	2.1	1.0	1.0	1.0
100°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0
102.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
105°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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	1.0
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	1.0	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	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	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	1.0	0.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.0	1.0
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°	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9
2.5°	318.7	319.8	320.8	322.9	322.9	326.0	327.0	328.1	329.1	329.1
5°	310.4	311.5	314.6	316.7	319.8	321.9	325.0	326.0	327.0	328.1
7.5°	294.9	296.9	300.0	301.1	305.2	308.4	311.5	314.6	315.6	317.7
10°	279.3	280.3	281.4	284.5	286.6	290.7	294.9	296.9	299.0	299.0
12.5°	267.9	268.9	269.9	271.0	274.1	276.2	280.3	282.4	283.4	285.5
15°	260.6	260.6	262.7	262.7	264.7	267.9	269.9	273.1	274.1	276.2
17.5°	258.5	258.5	259.6	260.6	262.7	263.7	265.8	268.9	269.9	271.0
20°	259.6	260.6	260.6	261.6	263.7	264.7	266.8	267.9	268.9	269.9
22.5°	264.7	263.7	264.7	264.7	265.8	267.9	269.9	272.0	273.1	273.1
25°	272.0	271.0	271.0	273.1	274.1	275.1	278.2	279.3	280.3	280.3
27.5°	284.5	283.4	284.5	284.5	285.5	285.5	288.6	288.6	289.7	290.7
30°	296.9	293.8	293.8	293.8	294.9	296.9	298.0	300.0	301.1	301.1
32.5°	315.6	309.4	308.4	309.4	309.4	310.4	313.5	312.5	314.6	313.5
35°	339.5	333.3	331.2	331.2	331.2	331.2	334.3	332.2	334.3	333.3
37.5°	368.6	360.3	359.2	359.2	357.2	358.2	359.2	357.2	356.1	357.2
40°	399.7	385.2	384.1	385.2	385.2	385.2	385.2	384.1	383.1	384.1
42.5°	385.2	327.0	334.3	344.7	355.1	367.5	370.6	379.0	380.0	380.0
45°	336.4	189.0	199.3	214.9	221.1	225.3	236.7	254.4	259.6	260.6
47.5°	296.9	63.3	67.5	73.7	84.1	89.3	90.3	102.8	108.0	97.6
50°	293.8	14.5	10.4	10.4	11.4	9.3	9.3	10.4	10.4	10.4
52.5°	320.8	13.5	9.3	8.3	8.3	8.3	7.3	8.3	8.3	8.3
55°	348.8	13.5	9.3	8.3	8.3	8.3	7.3	7.3	7.3	7.3
57.5°	371.7	13.5	9.3	8.3	8.3	7.3	6.2	6.2	6.2	6.2
60°	398.7	13.5	9.3	8.3	8.3	6.2	5.2	5.2	5.2	5.2
62.5°	421.5	14.5	9.3	8.3	7.3	5.2	5.2	5.2	5.2	5.2
65°	454.7	14.5	9.3	7.3	5.2	4.2	4.2	4.2	4.2	4.2
67.5°	470.3	14.5	8.3	6.2	4.2	3.1	3.1	3.1	3.1	3.1
70°	423.6	11.4	6.2	4.2	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	362.3	8.3	4.2	3.1	2.1	2.1	2.1	2.1	2.1	1.0
75°	288.6	5.2	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	202.5	4.2	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0
80°	84.1	3.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.5	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	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°	1.0	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	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)