

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: P691179

Luminaire Tested: **CRTK2-C013-D-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691179
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-D-U-T5R-7040-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 2000 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - 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



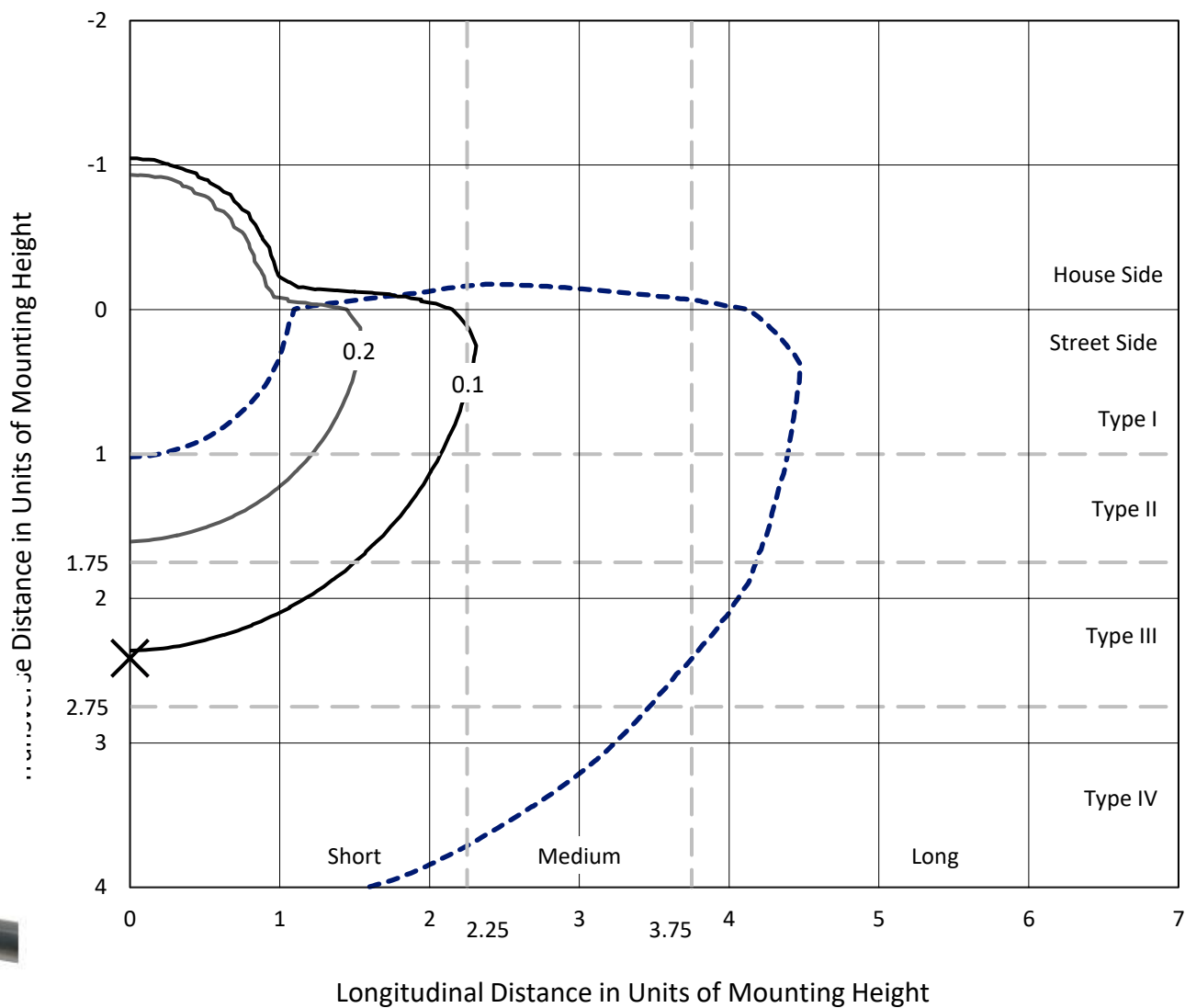
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CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

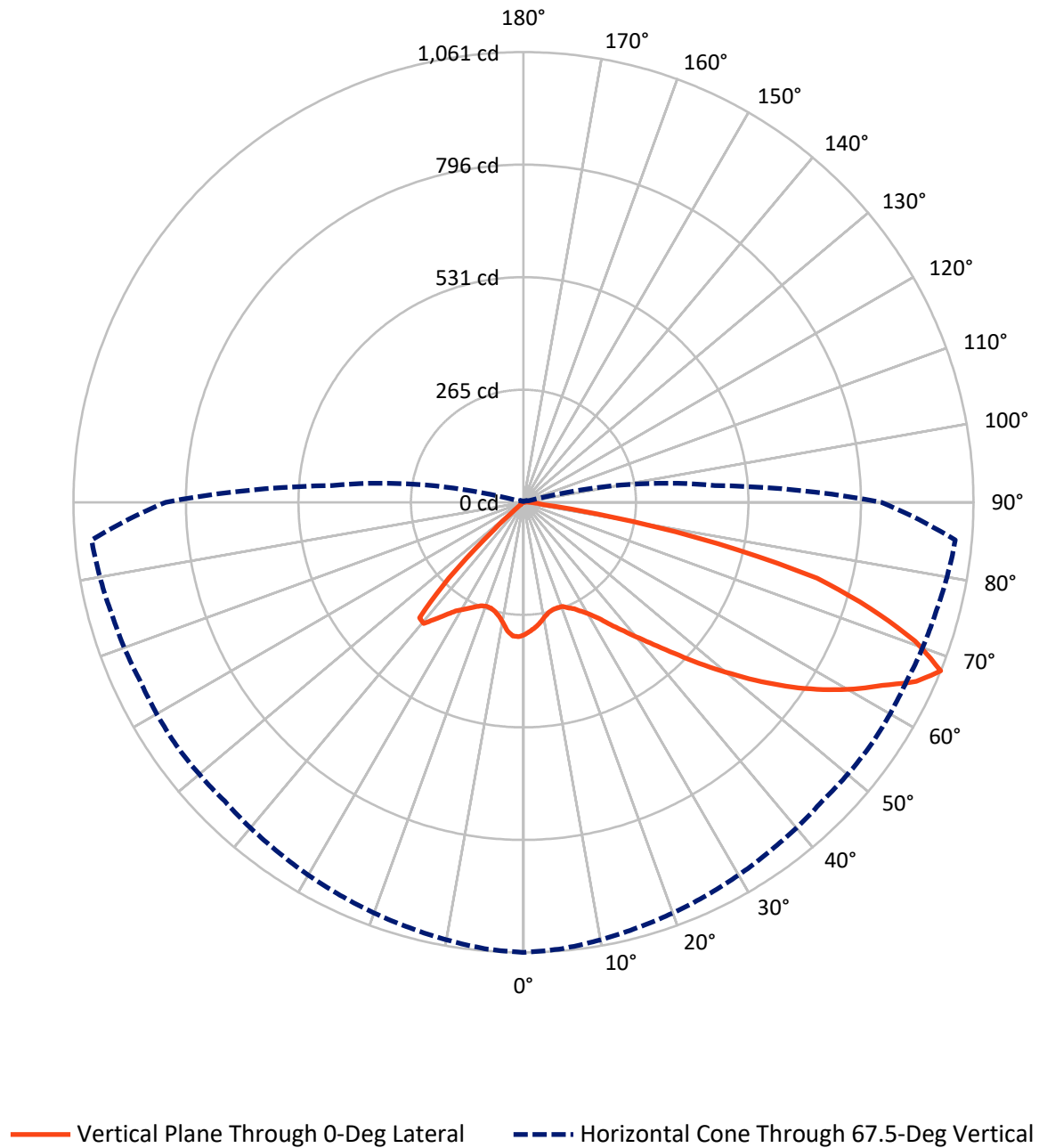


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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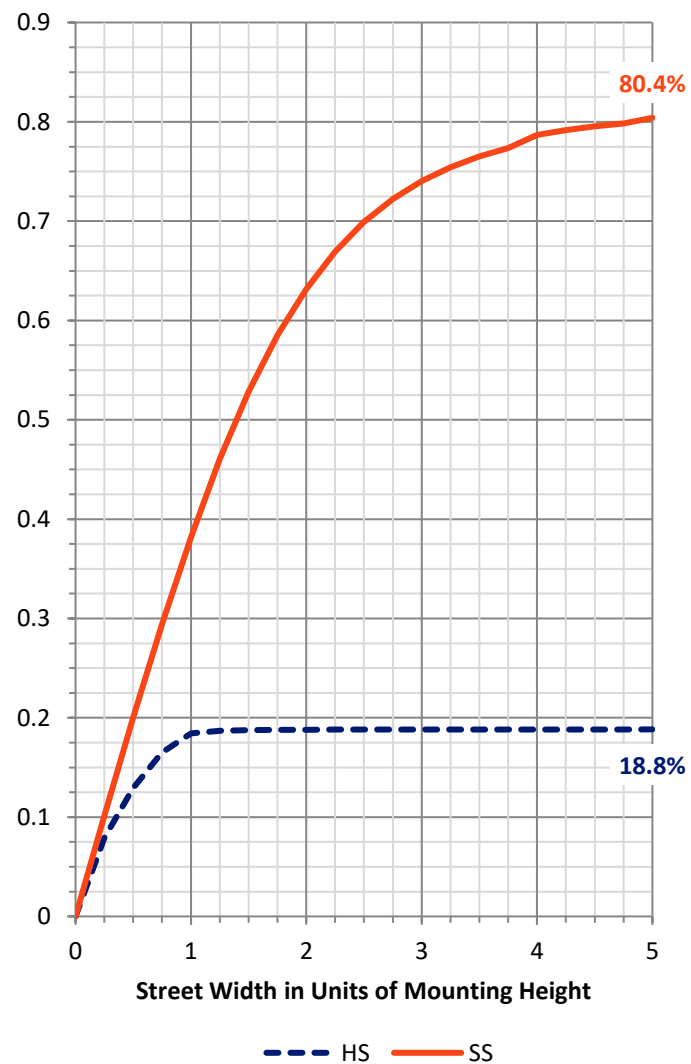
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.8	0.7	379.5
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1616.0	4.5	1620.5
	% Fixture	80.8	0.2	81.0
Total	Lumens	1994.8	5.3	2000.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	1.4
10°-20°	73.4	3.7
20°-30°	125.9	6.3
30°-40°	212.9	10.6
40°-50°	284.1	14.2
50°-60°	360.7	18.0
60°-70°	505.1	25.3
70°-80°	365.8	18.3
80°-90°	39.0	1.9
90°-100°	4.4	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°	1994.8	99.7
0°-180°	2000.0	100.0

Coefficient of Utilization



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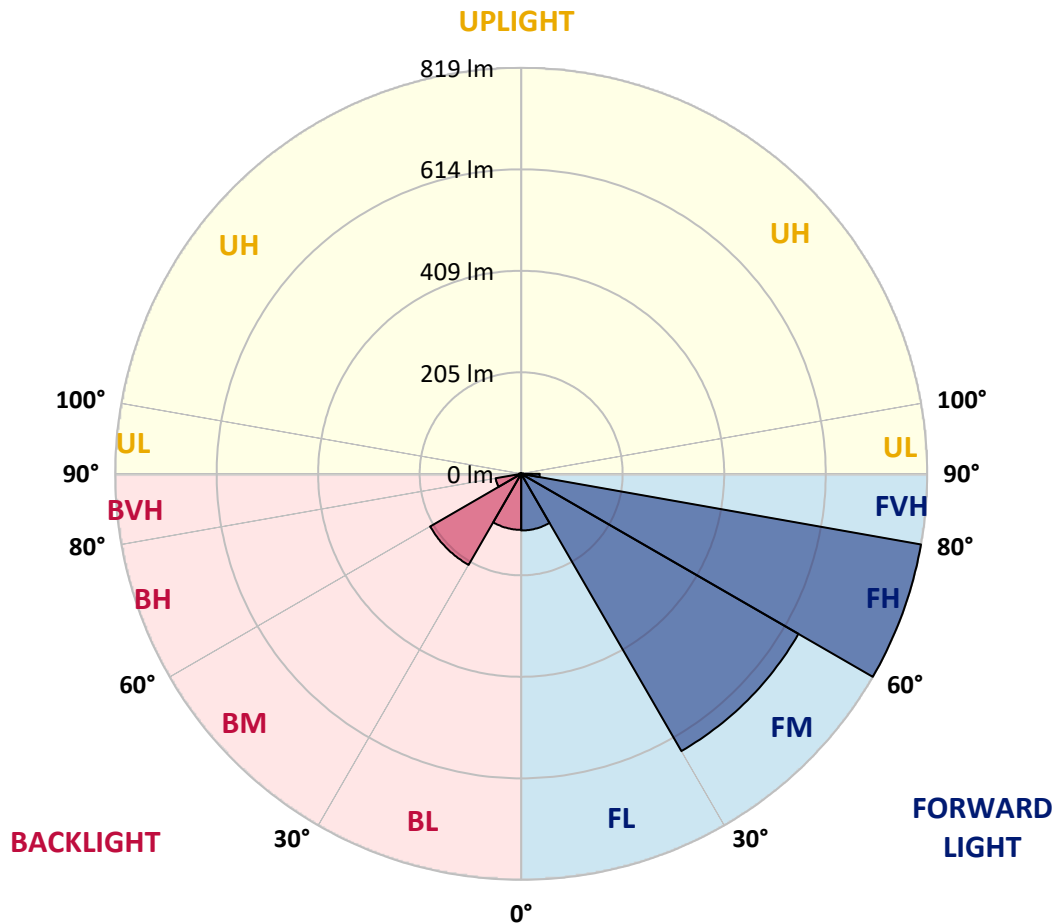
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.3	5.7			
FM	(30°-60°)	645.5	32.3			
FH	(60°-80°)	818.6	40.9			G1/1800
FVH	(80°-90°)	37.5	1.9			G1/100
BL	(0°-30°)	112.9	5.6	B1/500		
BM	(30°-60°)	212.1	10.6	B0/220		
BH	(60°-80°)	52.3	2.6	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	4.4	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-D-U-T5R-7040-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1
2.5°	304.1	305.1	305.1	305.1	306.1	305.1	305.1	305.1	305.1	306.1	306.1
5°	296.1	296.1	296.1	297.1	297.1	296.1	295.1	296.1	296.1	297.1	297.1
7.5°	286.1	286.1	286.1	287.1	286.1	284.1	282.1	283.1	282.1	283.1	284.1
10°	274.1	275.1	275.1	274.1	273.1	270.1	267.1	268.1	267.1	268.1	268.1
12.5°	266.1	267.1	267.1	266.1	263.1	261.1	259.1	257.1	256.1	258.1	257.1
15°	262.1	263.1	263.1	262.1	260.1	258.1	254.1	253.1	251.1	250.1	251.1
17.5°	261.1	261.1	261.1	260.1	258.1	255.1	253.1	251.1	250.1	250.1	249.1
20°	262.1	264.1	263.1	262.1	260.1	258.1	255.1	252.1	252.1	252.1	251.1
22.5°	270.1	270.1	269.1	269.1	267.1	264.1	261.1	259.1	257.1	257.1	257.1
25°	278.1	279.1	279.1	278.1	275.1	271.1	270.1	267.1	266.1	265.1	264.1
27.5°	291.1	290.1	291.1	291.1	287.1	285.1	282.1	280.1	279.1	277.1	276.1
30°	306.1	306.1	306.1	306.1	303.1	299.1	297.1	294.1	291.1	291.1	289.1
32.5°	326.1	327.1	327.1	326.1	323.1	319.1	317.1	313.1	312.1	310.1	308.1
35°	354.1	354.1	354.1	352.1	348.1	345.1	343.1	340.1	339.1	336.1	331.1
37.5°	385.1	385.1	387.1	385.1	381.1	377.1	374.1	372.1	369.1	367.1	364.1
40°	421.1	421.1	422.1	419.1	415.1	413.1	410.1	406.1	404.1	403.1	397.1
42.5°	463.1	465.1	465.1	462.1	459.1	456.1	452.1	449.1	447.1	443.1	435.1
45°	514.1	513.1	515.1	512.1	510.1	509.1	503.1	496.1	497.1	488.1	479.1
47.5°	574.1	575.1	574.1	571.1	569.1	568.1	562.1	553.1	549.1	542.1	525.1
50°	635.1	636.1	635.1	633.1	635.1	629.1	622.1	614.1	613.1	604.1	578.1
52.5°	702.2	699.2	698.2	697.2	695.2	692.2	685.2	676.2	677.2	667.2	626.1
55°	769.2	766.2	761.2	759.2	757.2	752.2	746.2	743.2	742.2	732.2	677.2
57.5°	833.2	828.2	821.2	820.2	817.2	810.2	807.2	802.2	802.2	791.2	714.2
60°	894.2	888.2	880.2	876.2	871.2	865.2	864.2	861.2	862.2	856.2	754.2
62.5°	950.2	945.2	935.2	929.2	921.2	916.2	917.2	915.2	919.2	915.2	789.2
65°	1018.2	1012.2	1000.2	987.2	976.2	968.2	965.2	971.2	988.2	992.2	836.2
67.5°	1061.2	1056.2	1038.2	1022.2	1007.2	996.2	999.2	997.2	1006.2	1022.2	844.2
70°	980.2	978.2	960.2	950.2	939.2	928.2	929.2	926.2	933.2	937.2	774.2
72.5°	855.2	865.2	842.2	841.2	834.2	835.2	824.2	832.2	827.2	827.2	685.2
75°	715.2	694.2	687.2	704.2	694.2	695.2	693.2	702.2	701.2	702.2	596.1
77.5°	469.1	473.1	464.1	482.1	491.1	506.1	513.1	537.1	528.1	526.1	472.1
80°	210.0	215.0	216.0	233.1	244.1	259.1	254.1	271.1	260.1	242.1	231.1
82.5°	47.0	47.0	53.0	68.0	72.0	75.0	75.0	78.0	62.0	38.0	31.0
85°	32.0	31.0	42.0	57.0	60.0	58.0	56.0	52.0	36.0	11.0	9.0
87.5°	21.0	22.0	34.0	47.0	49.0	46.0	43.0	39.0	26.0	3.0	2.0
90°	14.0	16.0	26.0	36.0	36.0	34.0	31.0	26.0	16.0	1.0	1.0
92.5°	7.0	8.0	13.0	16.0	15.0	13.0	12.0	10.0	6.0	1.0	1.0
95°	4.0	4.0	6.0	6.0	6.0	5.0	5.0	4.0	2.0	1.0	1.0
97.5°	3.0	3.0	4.0	4.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0
100°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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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CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-U0-DS-HSS-CRTK2

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°	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1
2.5°	307.1	308.1	309.1	311.1	311.1	314.1	315.1	316.1	317.1	317.1
5°	299.1	300.1	303.1	305.1	308.1	310.1	313.1	314.1	315.1	316.1
7.5°	284.1	286.1	289.1	290.1	294.1	297.1	300.1	303.1	304.1	306.1
10°	269.1	270.1	271.1	274.1	276.1	280.1	284.1	286.1	288.1	288.1
12.5°	258.1	259.1	260.1	261.1	264.1	266.1	270.1	272.1	273.1	275.1
15°	251.1	251.1	253.1	253.1	255.1	258.1	260.1	263.1	264.1	266.1
17.5°	249.1	249.1	250.1	251.1	253.1	254.1	256.1	259.1	260.1	261.1
20°	250.1	251.1	251.1	252.1	254.1	255.1	257.1	258.1	259.1	260.1
22.5°	255.1	254.1	255.1	255.1	256.1	258.1	260.1	262.1	263.1	263.1
25°	262.1	261.1	261.1	263.1	264.1	265.1	268.1	269.1	270.1	270.1
27.5°	274.1	273.1	274.1	274.1	275.1	275.1	278.1	278.1	279.1	280.1
30°	286.1	283.1	283.1	283.1	284.1	286.1	287.1	289.1	290.1	290.1
32.5°	304.1	298.1	297.1	298.1	298.1	299.1	302.1	301.1	303.1	302.1
35°	327.1	321.1	319.1	319.1	319.1	319.1	322.1	320.1	322.1	321.1
37.5°	355.1	347.1	346.1	346.1	344.1	345.1	346.1	344.1	343.1	344.1
40°	385.1	371.1	370.1	371.1	371.1	371.1	371.1	370.1	369.1	370.1
42.5°	371.1	315.1	322.1	332.1	342.1	354.1	357.1	365.1	366.1	366.1
45°	324.1	182.0	192.0	207.0	213.0	217.0	228.1	245.1	250.1	251.1
47.5°	286.1	61.0	65.0	71.0	81.0	86.0	87.0	99.0	104.0	94.0
50°	283.1	14.0	10.0	10.0	11.0	9.0	9.0	10.0	10.0	10.0
52.5°	309.1	13.0	9.0	8.0	8.0	8.0	7.0	8.0	8.0	8.0
55°	336.1	13.0	9.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0
57.5°	358.1	13.0	9.0	8.0	8.0	7.0	6.0	6.0	6.0	6.0
60°	384.1	13.0	9.0	8.0	8.0	6.0	5.0	5.0	5.0	5.0
62.5°	406.1	14.0	9.0	8.0	7.0	5.0	5.0	5.0	5.0	5.0
65°	438.1	14.0	9.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0
67.5°	453.1	14.0	8.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0
70°	408.1	11.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	349.1	8.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0
75°	278.1	5.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	195.0	4.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
80°	81.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	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-D-U-T5R-7040-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)