

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: P691172

Luminaire Tested: **CRTK2-C013-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691172
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-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 1943 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - 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

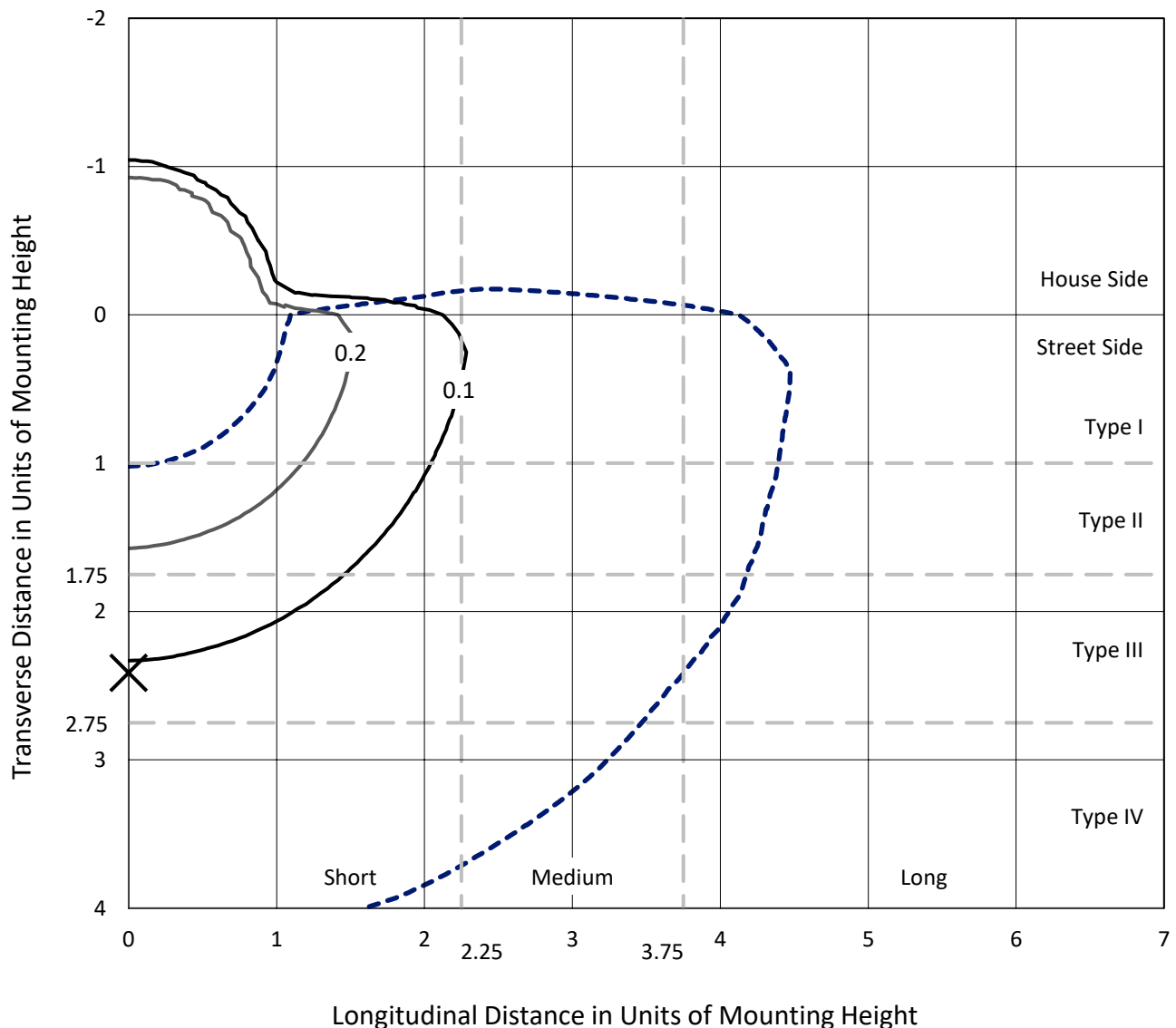


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

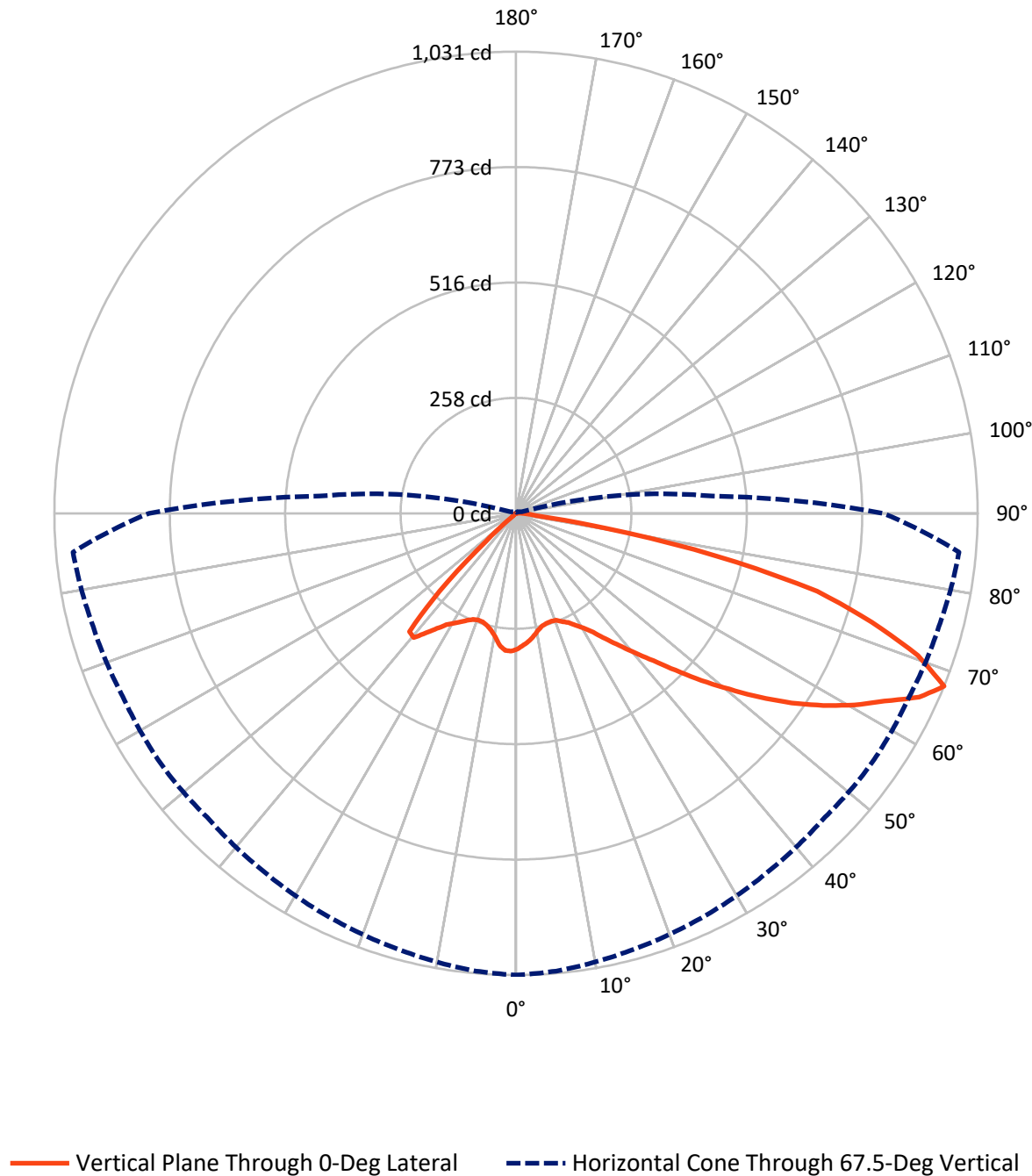


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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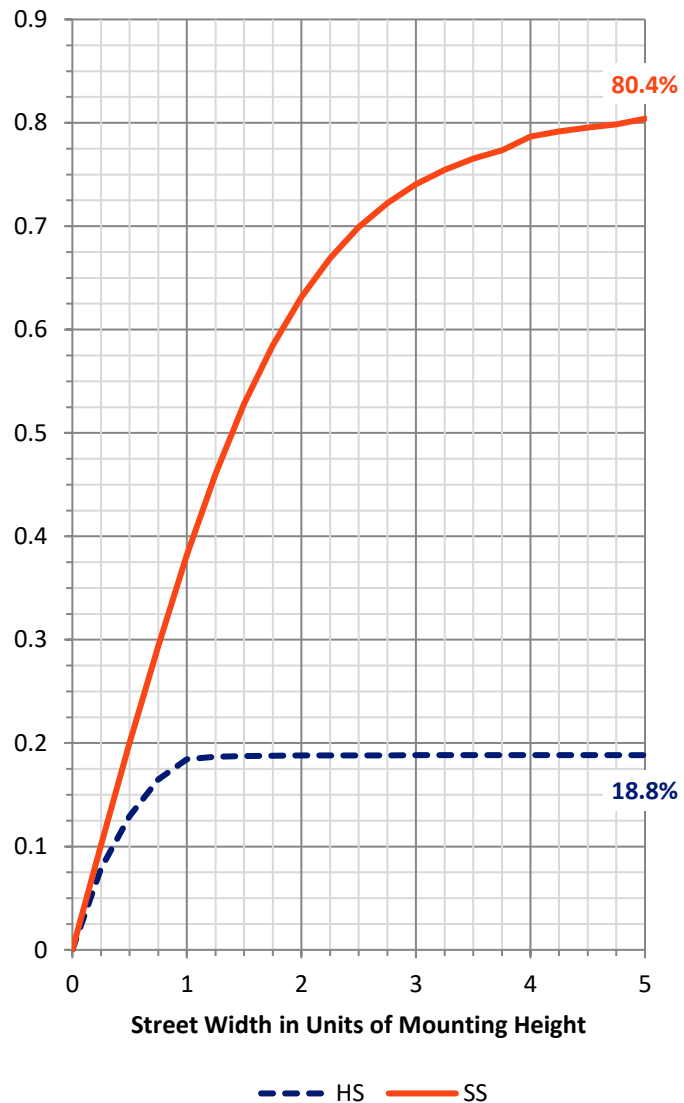
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.0	0.7	368.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1569.9	4.4	1574.3
	% Fixture	80.8	0.2	81.0
Total	Lumens	1937.9	5.1	1943.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	1.4
10°-20°	71.3	3.7
20°-30°	122.3	6.3
30°-40°	206.8	10.6
40°-50°	276.0	14.2
50°-60°	350.4	18.0
60°-70°	490.7	25.3
70°-80°	355.4	18.3
80°-90°	37.9	1.9
90°-100°	4.2	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°	1937.9	99.7
0°-180°	1943.0	100.0

Coefficient of Utilization



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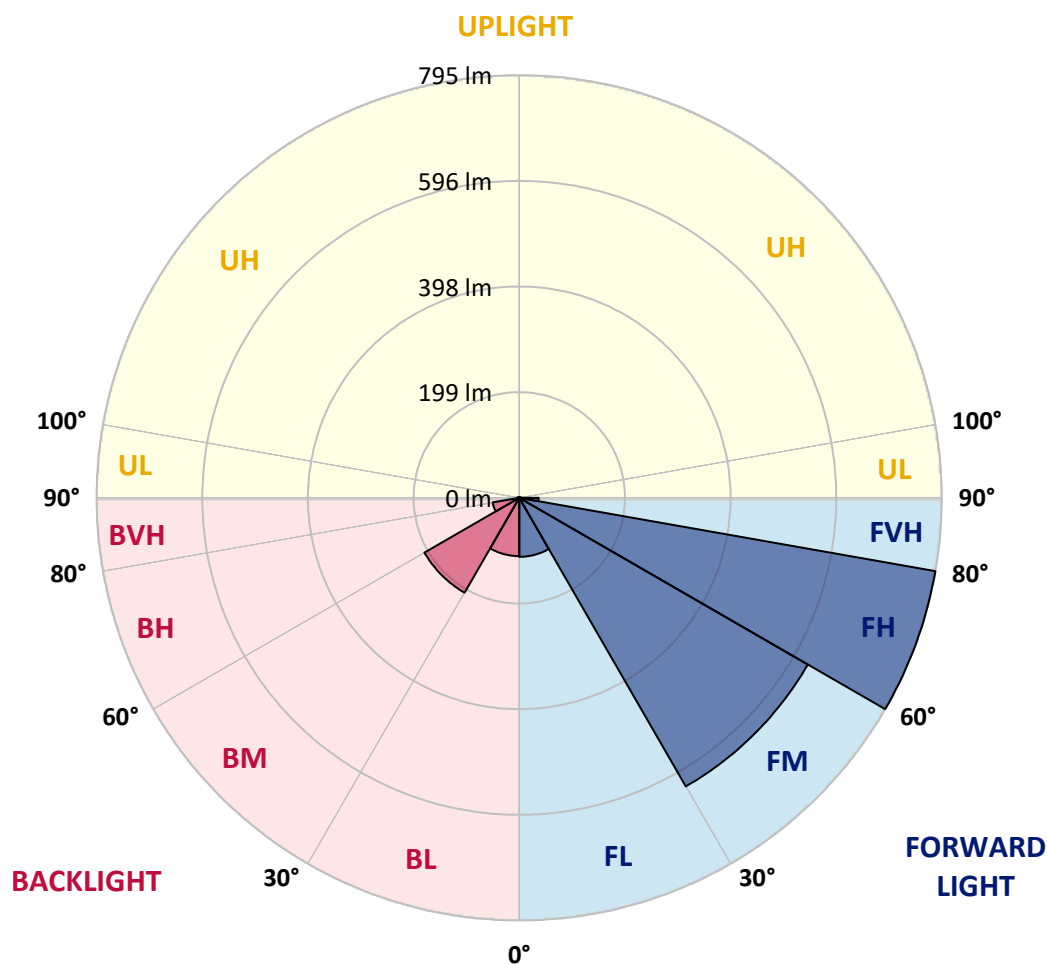
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.1	5.7			
FM	(30°-60°)	627.1	32.3			
FH	(60°-80°)	795.3	40.9			G1/1800
FVH	(80°-90°)	36.5	1.9			G1/100
BL	(0°-30°)	109.7	5.6	B0/110		
BM	(30°-60°)	206.1	10.6	B0/220		
BH	(60°-80°)	50.8	2.6	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	4.2	0.2		U1/10	
UH	(100°-180°)	0.9	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	295.4	296.4	296.4	296.4	297.3	296.4	296.4	296.4	296.4	297.3	297.3
5°	287.6	287.6	287.6	288.6	288.6	287.6	286.7	287.6	287.6	288.6	288.6
7.5°	277.9	277.9	277.9	278.9	277.9	276.0	274.0	275.0	274.0	275.0	276.0
10°	266.3	267.2	267.2	266.3	265.3	262.4	259.4	260.4	259.4	260.4	260.4
12.5°	258.5	259.4	259.4	258.5	255.6	253.6	251.7	249.7	248.8	250.7	249.7
15°	254.6	255.6	255.6	254.6	252.6	250.7	246.8	245.8	243.9	242.9	243.9
17.5°	253.6	253.6	253.6	252.6	250.7	247.8	245.8	243.9	242.9	242.9	242.0
20°	254.6	256.5	255.6	254.6	252.6	250.7	247.8	244.9	244.9	244.9	243.9
22.5°	262.4	262.4	261.4	261.4	259.4	256.5	253.6	251.7	249.7	249.7	249.7
25°	270.1	271.1	271.1	270.1	267.2	263.3	262.4	259.4	258.5	257.5	256.5
27.5°	282.8	281.8	282.8	282.8	278.9	276.9	274.0	272.1	271.1	269.2	268.2
30°	297.3	297.3	297.3	297.3	294.4	290.5	288.6	285.7	282.8	282.8	280.8
32.5°	316.8	317.8	317.8	316.8	313.9	310.0	308.0	304.1	303.2	301.2	299.3
35°	344.0	344.0	344.0	342.0	338.2	335.2	333.3	330.4	329.4	326.5	321.6
37.5°	374.1	374.1	376.1	374.1	370.2	366.3	363.4	361.5	358.6	356.6	353.7
40°	409.1	409.1	410.1	407.2	403.3	401.3	398.4	394.5	392.6	391.6	385.8
42.5°	449.9	451.8	451.8	448.9	446.0	443.1	439.2	436.3	434.4	430.5	422.7
45°	499.5	498.5	500.4	497.5	495.6	494.6	488.8	482.0	482.9	474.2	465.5
47.5°	557.8	558.7	557.8	554.9	552.9	551.9	546.1	537.4	533.5	526.7	510.2
50°	617.0	618.0	617.0	615.1	617.0	611.2	604.4	596.6	595.7	586.9	561.7
52.5°	682.1	679.2	678.3	677.3	675.3	672.4	665.6	656.9	657.9	648.1	608.3
55°	747.3	744.3	739.5	737.5	735.6	730.7	724.9	722.0	721.0	711.3	657.9
57.5°	809.4	804.6	797.8	796.8	793.9	787.1	784.2	779.3	779.3	768.6	693.8
60°	868.7	862.9	855.1	851.2	846.4	840.5	839.6	836.7	837.6	831.8	732.7
62.5°	923.1	918.3	908.6	902.7	895.0	890.1	891.1	889.1	893.0	889.1	766.7
65°	989.2	983.4	971.7	959.1	948.4	940.6	937.7	943.5	960.1	963.9	812.4
67.5°	1031.0	1026.1	1008.6	993.1	978.5	967.8	970.7	968.8	977.6	993.1	820.1
70°	952.3	950.3	932.9	923.1	912.4	901.8	902.7	899.8	906.6	910.5	752.1
72.5°	830.8	840.5	818.2	817.2	810.4	811.4	800.7	808.5	803.6	803.6	665.6
75°	694.8	674.4	667.6	684.1	674.4	675.3	673.4	682.1	681.2	682.1	579.1
77.5°	455.7	459.6	450.9	468.4	477.1	491.7	498.5	521.8	513.1	511.1	458.7
80°	204.1	208.9	209.9	226.4	237.1	251.7	246.8	263.3	252.6	235.2	224.5
82.5°	45.7	45.7	51.5	66.1	70.0	72.9	72.9	75.8	60.2	36.9	30.1
85°	31.1	30.1	40.8	55.4	58.3	56.4	54.4	50.5	35.0	10.7	8.7
87.5°	20.4	21.4	33.0	45.7	47.6	44.7	41.8	37.9	25.3	2.9	1.9
90°	13.6	15.5	25.3	35.0	35.0	33.0	30.1	25.3	15.5	1.0	1.0
92.5°	6.8	7.8	12.6	15.5	14.6	12.6	11.7	9.7	5.8	1.0	1.0
95°	3.9	3.9	5.8	5.8	5.8	4.9	4.9	3.9	1.9	1.0	1.0
97.5°	2.9	2.9	3.9	3.9	2.9	2.9	2.9	1.9	1.0	1.0	1.0
100°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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-7030-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°	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2	303.2
2.5°	298.3	299.3	300.3	302.2	302.2	305.1	306.1	307.1	308.0	308.0
5°	290.5	291.5	294.4	296.4	299.3	301.2	304.1	305.1	306.1	307.1
7.5°	276.0	277.9	280.8	281.8	285.7	288.6	291.5	294.4	295.4	297.3
10°	261.4	262.4	263.3	266.3	268.2	272.1	276.0	277.9	279.9	279.9
12.5°	250.7	251.7	252.6	253.6	256.5	258.5	262.4	264.3	265.3	267.2
15°	243.9	243.9	245.8	245.8	247.8	250.7	252.6	255.6	256.5	258.5
17.5°	242.0	242.0	242.9	243.9	245.8	246.8	248.8	251.7	252.6	253.6
20°	242.9	243.9	243.9	244.9	246.8	247.8	249.7	250.7	251.7	252.6
22.5°	247.8	246.8	247.8	247.8	248.8	250.7	252.6	254.6	255.6	255.6
25°	254.6	253.6	253.6	255.6	256.5	257.5	260.4	261.4	262.4	262.4
27.5°	266.3	265.3	266.3	266.3	267.2	267.2	270.1	270.1	271.1	272.1
30°	277.9	275.0	275.0	275.0	276.0	277.9	278.9	280.8	281.8	281.8
32.5°	295.4	289.6	288.6	289.6	289.6	290.5	293.5	292.5	294.4	293.5
35°	317.8	311.9	310.0	310.0	310.0	310.0	312.9	311.0	312.9	311.9
37.5°	345.0	337.2	336.2	336.2	334.3	335.2	336.2	334.3	333.3	334.3
40°	374.1	360.5	359.5	360.5	360.5	360.5	360.5	359.5	358.6	359.5
42.5°	360.5	306.1	312.9	322.6	332.3	344.0	346.9	354.7	355.6	355.6
45°	314.8	176.9	186.6	201.1	207.0	210.9	221.6	238.1	242.9	243.9
47.5°	277.9	59.3	63.2	69.0	78.7	83.6	84.5	96.2	101.1	91.3
50°	275.0	13.6	9.7	9.7	10.7	8.7	8.7	9.7	9.7	9.7
52.5°	300.3	12.6	8.7	7.8	7.8	7.8	6.8	7.8	7.8	7.8
55°	326.5	12.6	8.7	7.8	7.8	7.8	6.8	6.8	6.8	6.8
57.5°	347.9	12.6	8.7	7.8	7.8	6.8	5.8	5.8	5.8	5.8
60°	373.1	12.6	8.7	7.8	7.8	5.8	4.9	4.9	4.9	4.9
62.5°	394.5	13.6	8.7	7.8	6.8	4.9	4.9	4.9	4.9	4.9
65°	425.6	13.6	8.7	6.8	4.9	3.9	3.9	3.9	3.9	3.9
67.5°	440.2	13.6	7.8	5.8	3.9	2.9	2.9	2.9	2.9	2.9
70°	396.5	10.7	5.8	3.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	339.1	7.8	3.9	2.9	1.9	1.9	1.9	1.9	1.9	1.0
75°	270.1	4.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	189.5	3.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
80°	78.7	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.7	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	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-7030-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)