

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: P691193

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691193
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-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 1756 lumens
Efficiency: N/A
Efficacy: 86.1 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



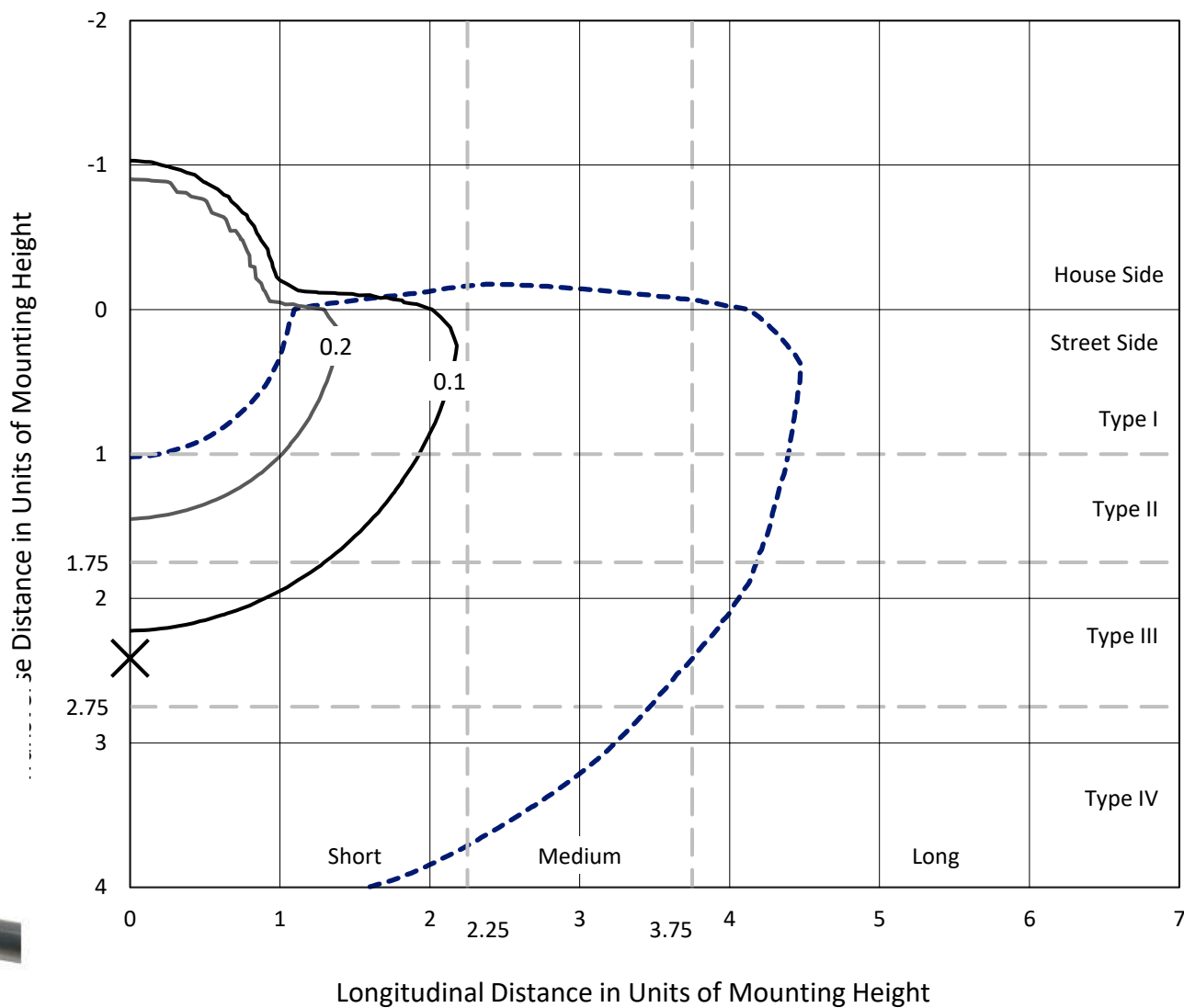
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

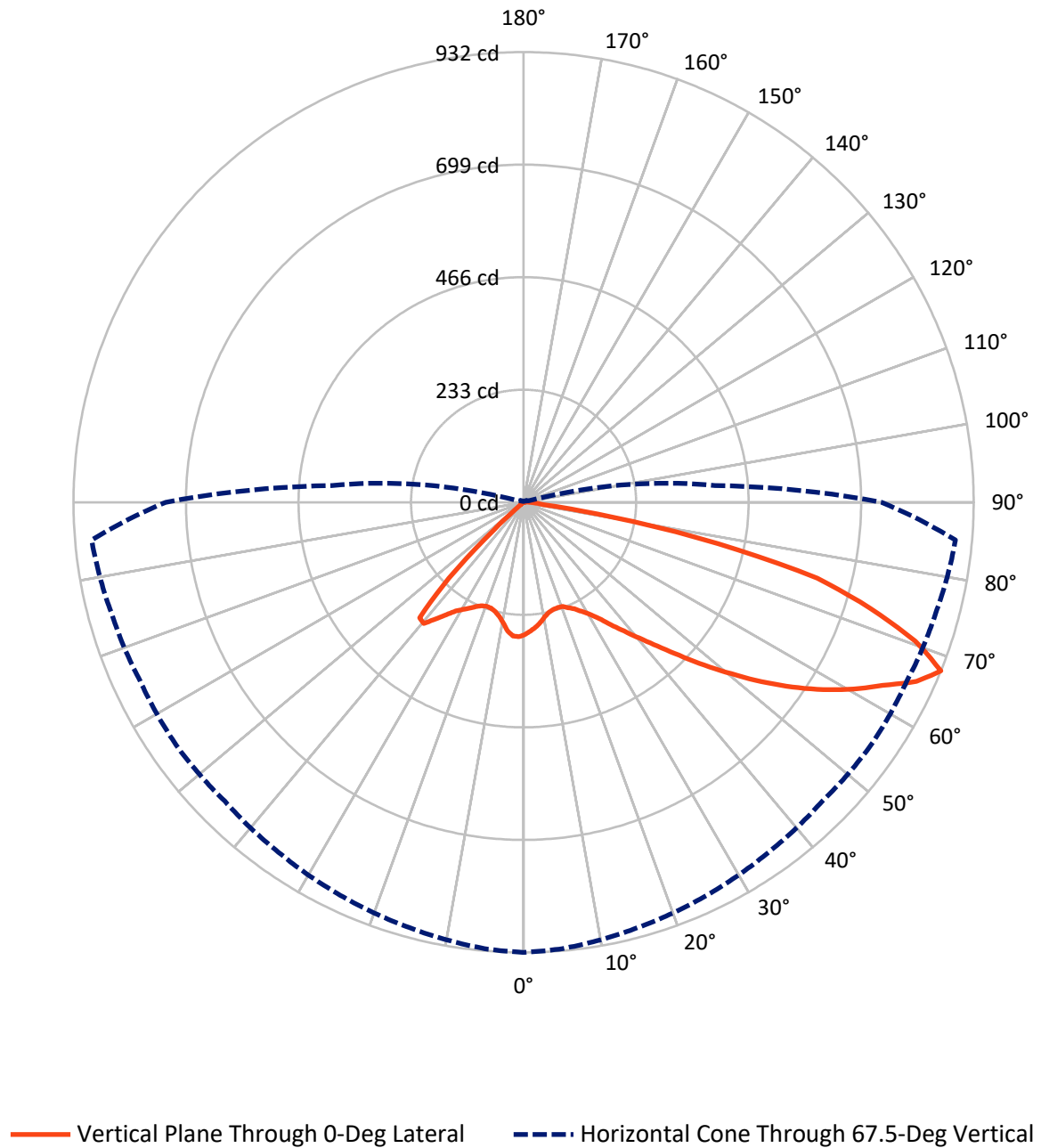


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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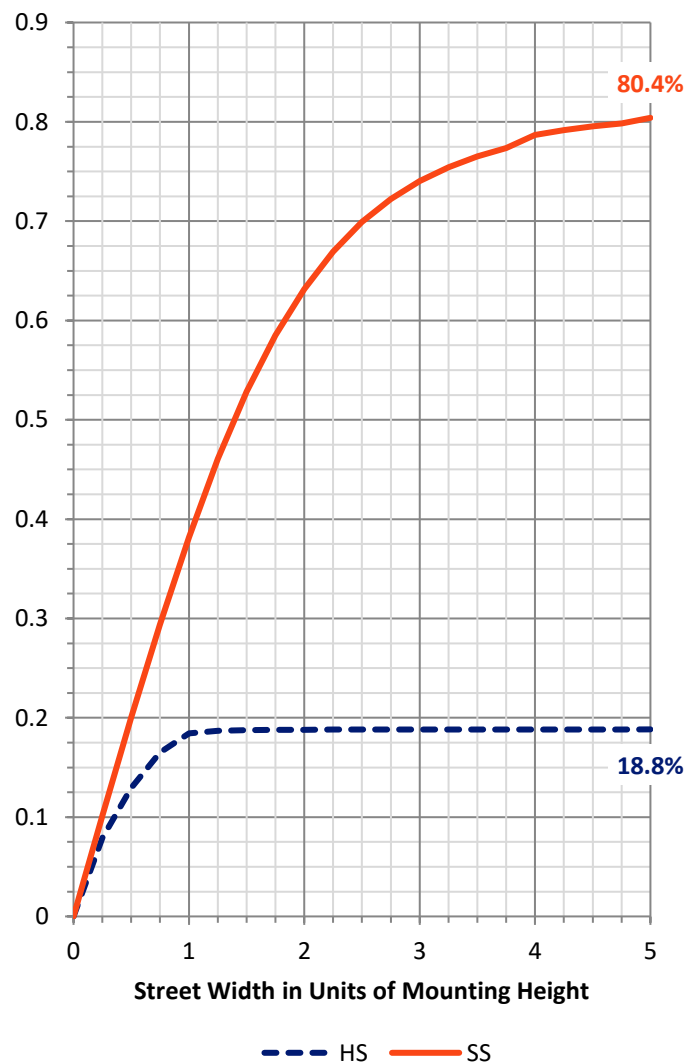
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.5	0.6	333.2
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1418.8	4.0	1422.8
	% Fixture	80.8	0.2	81.0
Total	Lumens	1751.4	4.6	1756.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	1.4
10°-20°	64.5	3.7
20°-30°	110.5	6.3
30°-40°	186.9	10.6
40°-50°	249.4	14.2
50°-60°	316.7	18.0
60°-70°	443.5	25.3
70°-80°	321.2	18.3
80°-90°	34.2	1.9
90°-100°	3.8	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°	1751.4	99.7
0°-180°	1756.0	100.0

Coefficient of Utilization



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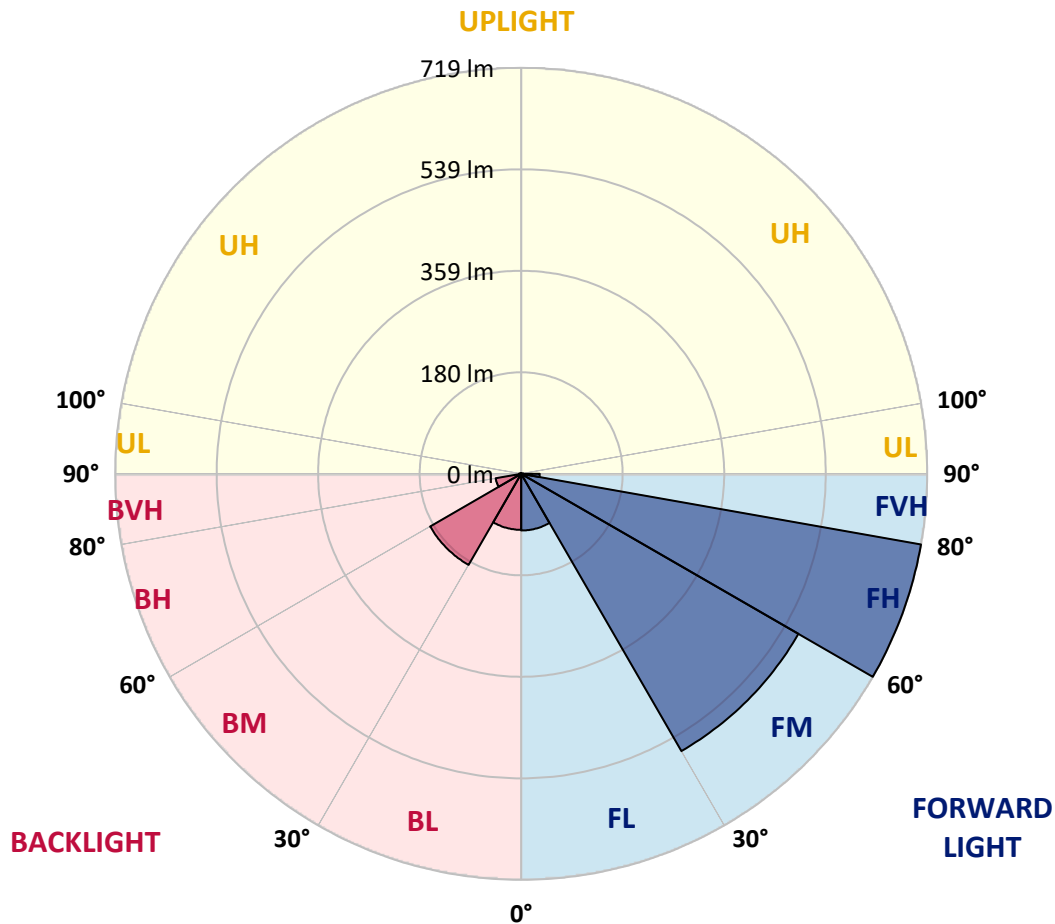
CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.4	5.7			
FM	(30°-60°)	566.8	32.3			
FH	(60°-80°)	718.7	40.9			G1/1800
FVH	(80°-90°)	32.9	1.9			G1/100
BL	(0°-30°)	99.1	5.6	B0/110		
BM	(30°-60°)	186.2	10.6	B0/220		
BH	(60°-80°)	45.9	2.6	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			G0/10
UL	(90°-100°)	3.8	0.2		U1/10	
UH	(100°-180°)	0.8	0.0		U1/10	

BUG Rating: B0-U1-G1

Type IV Short



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	267.0	267.9	267.9	267.9	268.7	267.9	267.9	267.9	267.9	268.7	268.7
5°	259.9	259.9	259.9	260.8	260.8	259.9	259.1	259.9	259.9	260.8	260.8
7.5°	251.2	251.2	251.2	252.0	251.2	249.4	247.7	248.5	247.7	248.5	249.4
10°	240.6	241.5	241.5	240.6	239.7	237.1	234.5	235.4	234.5	235.4	235.4
12.5°	233.6	234.5	234.5	233.6	231.0	229.2	227.5	225.7	224.8	226.6	225.7
15°	230.1	231.0	231.0	230.1	228.3	226.6	223.1	222.2	220.4	219.5	220.4
17.5°	229.2	229.2	229.2	228.3	226.6	223.9	222.2	220.4	219.5	219.5	218.7
20°	230.1	231.8	231.0	230.1	228.3	226.6	223.9	221.3	221.3	221.3	220.4
22.5°	237.1	237.1	236.2	236.2	234.5	231.8	229.2	227.5	225.7	225.7	225.7
25°	244.1	245.0	245.0	244.1	241.5	238.0	237.1	234.5	233.6	232.7	231.8
27.5°	255.6	254.7	255.6	255.6	252.0	250.3	247.7	245.9	245.0	243.3	242.4
30°	268.7	268.7	268.7	268.7	266.1	262.6	260.8	258.2	255.6	255.6	253.8
32.5°	286.3	287.2	287.2	286.3	283.7	280.1	278.4	274.9	274.0	272.2	270.5
35°	310.9	310.9	310.9	309.1	305.6	303.0	301.2	298.6	297.7	295.1	290.7
37.5°	338.1	338.1	339.9	338.1	334.6	331.1	328.4	326.7	324.1	322.3	319.7
40°	369.7	369.7	370.6	368.0	364.5	362.7	360.1	356.5	354.8	353.9	348.6
42.5°	406.6	408.4	408.4	405.7	403.1	400.5	396.9	394.3	392.6	389.0	382.0
45°	451.4	450.5	452.3	449.6	447.9	447.0	441.7	435.6	436.5	428.6	420.7
47.5°	504.1	505.0	504.1	501.5	499.7	498.8	493.5	485.6	482.1	476.0	461.1
50°	557.7	558.5	557.7	555.9	557.7	552.4	546.2	539.2	538.3	530.4	507.6
52.5°	616.5	613.9	613.0	612.1	610.3	607.7	601.6	593.7	594.5	585.8	549.8
55°	675.3	672.7	668.3	666.6	664.8	660.4	655.1	652.5	651.6	642.8	594.5
57.5°	731.5	727.1	721.0	720.1	717.5	711.3	708.7	704.3	704.3	694.7	627.0
60°	785.1	779.8	772.8	769.3	764.9	759.6	758.8	756.1	757.0	751.7	662.2
62.5°	834.3	829.9	821.1	815.8	808.8	804.4	805.3	803.6	807.1	803.6	692.9
65°	894.0	888.7	878.2	866.8	857.1	850.1	847.5	852.7	867.7	871.2	734.2
67.5°	931.8	927.4	911.6	897.5	884.3	874.7	877.3	875.6	883.5	897.5	741.2
70°	860.6	858.9	843.1	834.3	824.6	815.0	815.8	813.2	819.4	822.9	679.7
72.5°	750.9	759.6	739.4	738.6	732.4	733.3	723.6	730.7	726.3	726.3	601.6
75°	627.9	609.5	603.3	618.3	609.5	610.3	608.6	616.5	615.6	616.5	523.4
77.5°	411.9	415.4	407.5	423.3	431.2	444.4	450.5	471.6	463.7	461.9	414.5
80°	184.4	188.8	189.7	204.6	214.3	227.5	223.1	238.0	228.3	212.5	202.9
82.5°	41.3	41.3	46.5	59.7	63.2	65.9	65.9	68.5	54.4	33.4	27.2
85°	28.1	27.2	36.9	50.1	52.7	50.9	49.2	45.7	31.6	9.7	7.9
87.5°	18.4	19.3	29.9	41.3	43.0	40.4	37.8	34.2	22.8	2.6	1.8
90°	12.3	14.1	22.8	31.6	31.6	29.9	27.2	22.8	14.1	0.9	0.9
92.5°	6.1	7.0	11.4	14.1	13.2	11.4	10.5	8.8	5.3	0.9	0.9
95°	3.5	3.5	5.3	5.3	5.3	4.4	4.4	3.5	1.8	0.9	0.9
97.5°	2.6	2.6	3.5	3.5	2.6	2.6	2.6	1.8	0.9	0.9	0.9
100°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
102.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
105°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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-8027-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	0.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9
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	0.9
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	0.9	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	0.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9
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	0.9	0.0	0.9	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.9	0.9
175°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.9	0.9
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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CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	269.6	270.5	271.4	273.1	273.1	275.8	276.6	277.5	278.4	278.4
5°	262.6	263.5	266.1	267.9	270.5	272.2	274.9	275.8	276.6	277.5
7.5°	249.4	251.2	253.8	254.7	258.2	260.8	263.5	266.1	267.0	268.7
10°	236.2	237.1	238.0	240.6	242.4	245.9	249.4	251.2	252.9	252.9
12.5°	226.6	227.5	228.3	229.2	231.8	233.6	237.1	238.9	239.7	241.5
15°	220.4	220.4	222.2	222.2	223.9	226.6	228.3	231.0	231.8	233.6
17.5°	218.7	218.7	219.5	220.4	222.2	223.1	224.8	227.5	228.3	229.2
20°	219.5	220.4	220.4	221.3	223.1	223.9	225.7	226.6	227.5	228.3
22.5°	223.9	223.1	223.9	223.9	224.8	226.6	228.3	230.1	231.0	231.0
25°	230.1	229.2	229.2	231.0	231.8	232.7	235.4	236.2	237.1	237.1
27.5°	240.6	239.7	240.6	240.6	241.5	241.5	244.1	244.1	245.0	245.9
30°	251.2	248.5	248.5	248.5	249.4	251.2	252.0	253.8	254.7	254.7
32.5°	267.0	261.7	260.8	261.7	261.7	262.6	265.2	264.3	266.1	265.2
35°	287.2	281.9	280.1	280.1	280.1	280.1	282.8	281.0	282.8	281.9
37.5°	311.8	304.7	303.9	303.9	302.1	303.0	303.9	302.1	301.2	302.1
40°	338.1	325.8	324.9	325.8	325.8	325.8	325.8	324.9	324.1	324.9
42.5°	325.8	276.6	282.8	291.6	300.3	310.9	313.5	320.5	321.4	321.4
45°	284.5	159.8	168.6	181.8	187.1	190.6	200.2	215.2	219.5	220.4
47.5°	251.2	53.6	57.1	62.4	71.1	75.5	76.4	86.9	91.3	82.6
50°	248.5	12.3	8.8	8.8	9.7	7.9	7.9	8.8	8.8	8.8
52.5°	271.4	11.4	7.9	7.0	7.0	7.0	6.1	7.0	7.0	7.0
55°	295.1	11.4	7.9	7.0	7.0	7.0	6.1	6.1	6.1	6.1
57.5°	314.4	11.4	7.9	7.0	7.0	6.1	5.3	5.3	5.3	5.3
60°	337.2	11.4	7.9	7.0	7.0	5.3	4.4	4.4	4.4	4.4
62.5°	356.5	12.3	7.9	7.0	6.1	4.4	4.4	4.4	4.4	4.4
65°	384.7	12.3	7.9	6.1	4.4	3.5	3.5	3.5	3.5	3.5
67.5°	397.8	12.3	7.0	5.3	3.5	2.6	2.6	2.6	2.6	2.6
70°	358.3	9.7	5.3	3.5	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	306.5	7.0	3.5	2.6	1.8	1.8	1.8	1.8	1.8	0.9
75°	244.1	4.4	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	171.2	3.5	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
80°	71.1	2.6	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.5	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.5	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.9	0.9	0.9	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-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.9	0.9	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°	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	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°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	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)