

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: P691083

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2418 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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



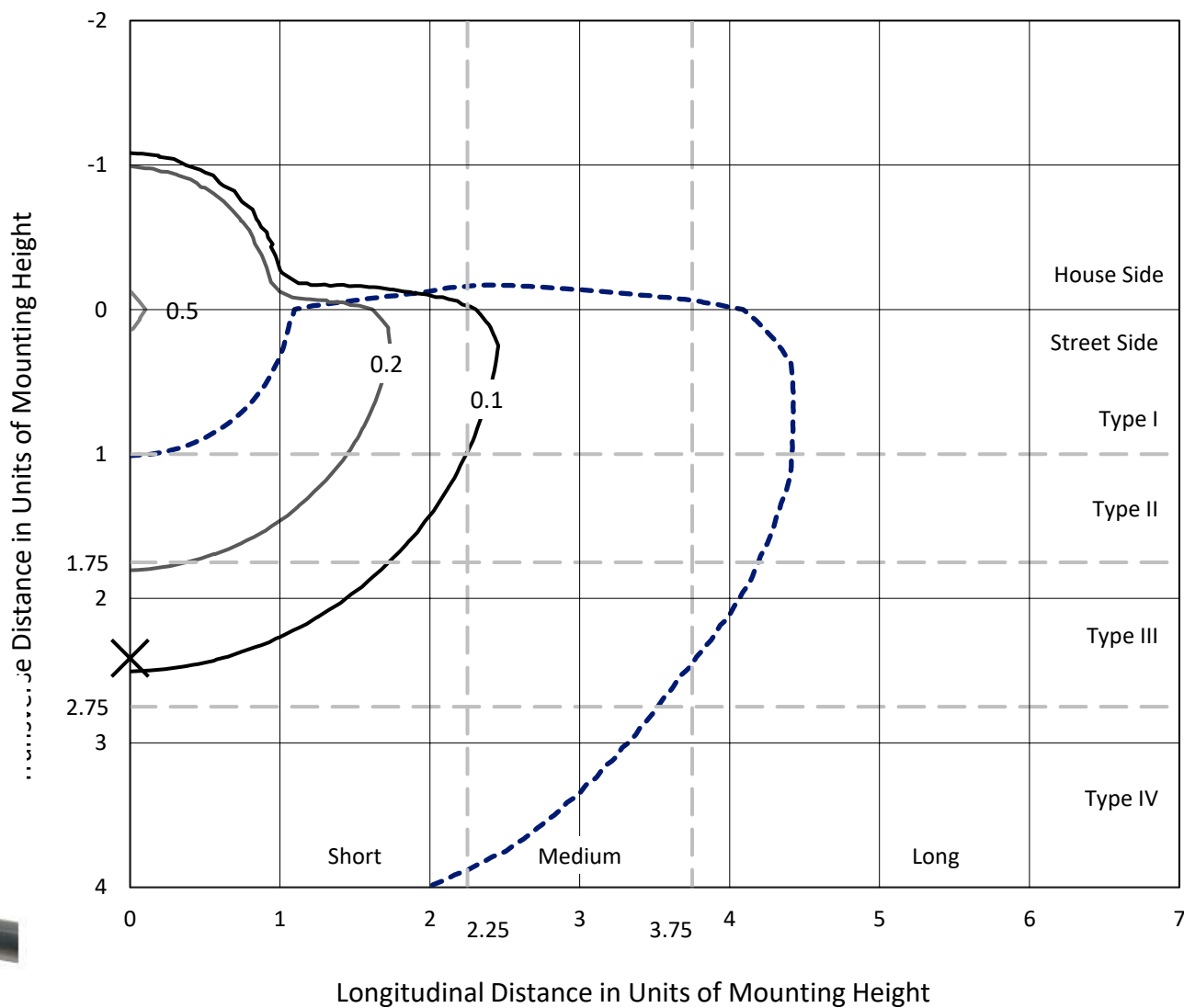
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

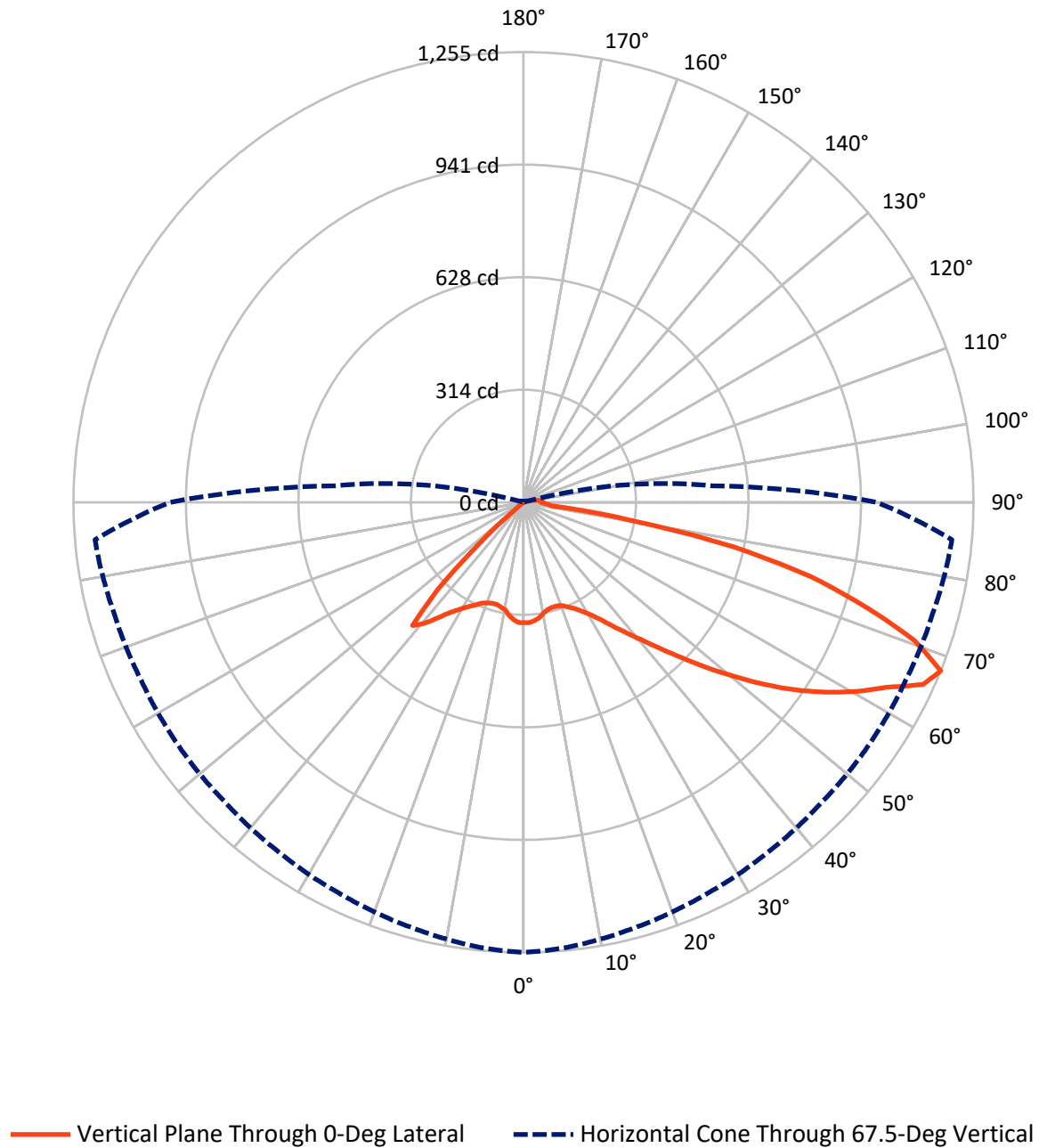


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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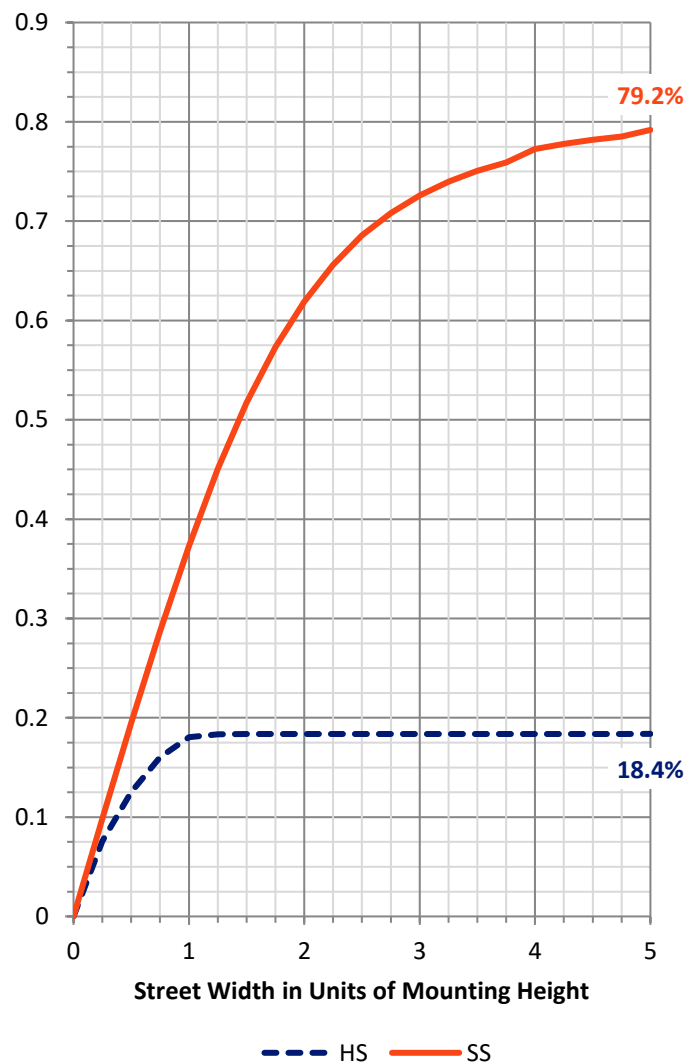
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	447.2	1.8	449.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1935.4	33.6	1969.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	2382.6	35.4	2418.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	1.3
10°-20°	83.5	3.5
20°-30°	147.1	6.1
30°-40°	251.5	10.4
40°-50°	345.6	14.3
50°-60°	427.2	17.7
60°-70°	597.0	24.7
70°-80°	436.1	18.0
80°-90°	64.0	2.6
90°-100°	28.2	1.2
100°-110°	6.4	0.3
110°-120°	0.4	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2382.6	98.5
0°-180°	2418.0	100.0

Coefficient of Utilization



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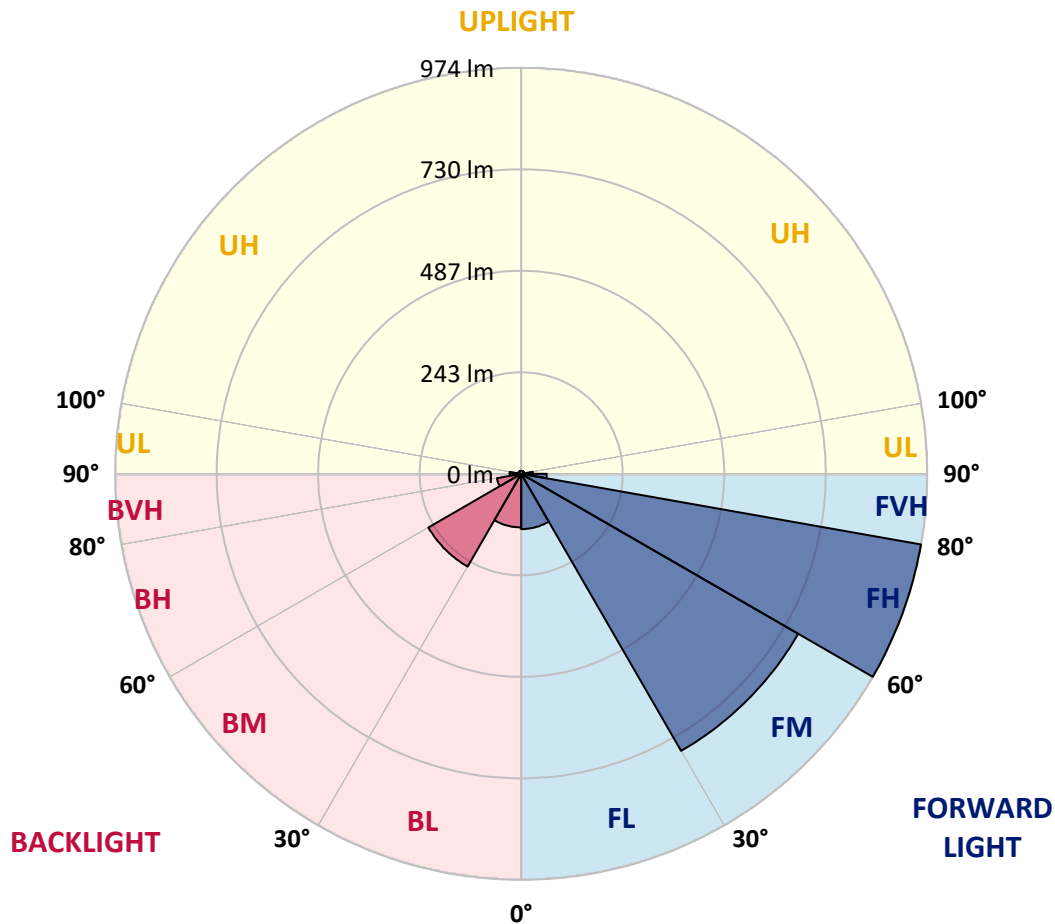
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.6	5.5			
FM	(30°-60°)	767.4	31.7			
FH	(60°-80°)	973.9	40.3			G1/1800
FVH	(80°-90°)	61.5	2.5			G1/100
BL	(0°-30°)	128.6	5.3	B1/500		
BM	(30°-60°)	257.0	10.6	B1/1000		
BH	(60°-80°)	59.2	2.4	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	28.2	1.2		U2/50	
UH	(100°-180°)	7.2	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7
2.5°	335.7	335.7	335.7	335.7	336.9	335.7	334.5	332.1	332.1	332.1	332.1
5°	331.0	331.0	332.1	332.1	331.0	329.8	327.4	327.4	326.2	326.2	326.2
7.5°	323.9	323.9	323.9	325.1	322.7	319.1	318.0	316.8	315.6	314.4	313.2
10°	313.2	313.2	313.2	312.0	309.7	306.1	303.8	301.4	301.4	300.2	299.0
12.5°	306.1	306.1	306.1	305.0	301.4	299.0	295.5	293.1	292.0	292.0	290.8
15°	303.8	303.8	303.8	302.6	299.0	296.7	293.1	290.8	288.4	287.2	286.0
17.5°	303.8	303.8	303.8	301.4	300.2	296.7	293.1	290.8	289.6	288.4	287.2
20°	307.3	308.5	307.3	306.1	302.6	300.2	296.7	293.1	292.0	292.0	290.8
22.5°	316.8	315.6	315.6	314.4	310.9	307.3	305.0	302.6	300.2	300.2	299.0
25°	327.4	328.6	328.6	326.2	323.9	320.3	316.8	313.2	312.0	310.9	309.7
27.5°	342.8	342.8	344.0	341.6	338.1	335.7	332.1	329.8	327.4	325.1	323.9
30°	361.7	362.9	362.9	360.5	357.0	352.2	349.9	346.3	342.8	342.8	339.2
32.5°	386.5	388.9	387.7	385.3	381.8	377.1	374.7	371.1	368.8	365.2	362.9
35°	420.8	422.0	420.8	418.4	412.5	407.8	405.4	403.1	400.7	396.0	391.2
37.5°	458.6	459.8	461.0	458.6	451.5	444.4	442.1	438.5	437.3	431.4	429.1
40°	502.4	504.7	503.5	500.0	494.1	487.0	485.8	482.3	478.7	475.2	469.3
42.5°	555.5	555.5	554.4	552.0	547.3	539.0	536.6	533.1	530.7	523.6	514.2
45°	617.0	618.2	614.6	611.1	609.9	602.8	596.9	593.4	586.3	578.0	567.4
47.5°	689.1	687.9	683.2	679.7	678.5	672.6	667.8	660.7	651.3	641.8	621.7
50°	763.6	763.6	755.3	751.8	754.1	745.8	739.9	731.7	722.2	712.7	683.2
52.5°	843.9	840.4	832.1	833.3	829.8	821.5	814.4	808.5	799.0	790.8	743.5
55°	924.3	919.6	906.6	907.8	901.9	892.4	887.7	880.6	878.2	868.8	801.4
57.5°	998.8	992.9	978.7	977.5	972.8	962.1	959.8	951.5	945.6	940.9	845.1
60°	1070.9	1065.0	1052.0	1047.3	1037.8	1027.2	1028.3	1023.6	1020.1	1015.3	893.6
62.5°	1135.9	1128.8	1117.0	1107.5	1094.5	1085.1	1086.3	1083.9	1086.3	1085.1	935.0
65°	1224.6	1217.5	1199.7	1183.2	1164.3	1150.1	1148.9	1152.5	1177.3	1179.6	998.8
67.5°	1255.3	1248.2	1225.7	1205.6	1190.3	1179.6	1177.3	1176.1	1183.2	1199.7	985.8
70°	1158.4	1153.6	1132.4	1118.2	1102.8	1095.7	1088.6	1092.2	1099.3	1098.1	904.2
72.5°	1000.0	1026.0	998.8	985.8	982.2	963.3	968.1	964.5	969.2	968.1	803.8
75°	827.4	820.3	814.4	836.9	820.3	806.1	814.4	822.7	830.9	821.5	704.5
77.5°	601.6	606.4	604.0	612.3	627.6	620.6	615.8	635.9	639.5	607.5	547.3
80°	302.6	321.5	327.4	341.6	349.9	334.5	321.5	349.9	345.1	308.5	277.8
82.5°	79.2	80.4	92.2	108.7	111.1	108.7	111.1	108.7	94.6	60.3	50.8
85°	66.2	66.2	81.6	99.3	102.8	98.1	98.1	92.2	73.3	37.8	30.7
87.5°	54.4	56.7	73.3	89.8	92.2	87.5	86.3	79.2	63.8	33.1	26.0
90°	48.5	50.8	66.2	80.4	81.6	76.8	75.6	70.9	57.9	33.1	26.0
92.5°	53.2	54.4	65.0	73.3	73.3	69.7	68.6	65.0	56.7	41.4	31.9
95°	47.3	48.5	53.2	56.7	55.6	52.0	54.4	50.8	47.3	39.0	29.6
97.5°	39.0	40.2	41.4	41.4	40.2	37.8	40.2	39.0	36.6	31.9	23.6
100°	29.6	29.6	29.6	30.7	29.6	28.4	29.6	27.2	26.0	22.5	16.5
102.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	17.7	16.5	14.2	9.5
105°	11.8	11.8	10.6	11.8	11.8	10.6	10.6	9.5	7.1	5.9	3.5
107.5°	4.7	4.7	3.5	3.5	3.5	3.5	2.4	1.2	1.2	1.2	1.2
110°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.2
135°	0.0	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	0.0
140°	0.0	0.0	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	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	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7
2.5°	332.1	332.1	332.1	332.1	332.1	332.1	333.3	334.5	335.7	335.7
5°	326.2	326.2	326.2	325.1	326.2	327.4	328.6	328.6	329.8	329.8
7.5°	314.4	313.2	313.2	313.2	314.4	316.8	316.8	318.0	319.1	319.1
10°	299.0	299.0	299.0	299.0	300.2	302.6	302.6	305.0	305.0	305.0
12.5°	290.8	290.8	289.6	288.4	290.8	290.8	294.3	295.5	296.7	299.0
15°	286.0	284.9	286.0	286.0	287.2	288.4	289.6	292.0	293.1	294.3
17.5°	286.0	286.0	286.0	287.2	288.4	288.4	289.6	292.0	293.1	294.3
20°	290.8	290.8	289.6	289.6	290.8	290.8	293.1	295.5	296.7	297.9
22.5°	297.9	296.7	296.7	295.5	296.7	297.9	300.2	302.6	302.6	302.6
25°	307.3	306.1	306.1	306.1	308.5	308.5	310.9	313.2	313.2	313.2
27.5°	322.7	320.3	319.1	319.1	319.1	320.3	322.7	323.9	325.1	325.1
30°	335.7	333.3	332.1	331.0	332.1	333.3	335.7	338.1	338.1	338.1
32.5°	359.3	353.4	349.9	351.1	351.1	352.2	354.6	354.6	355.8	355.8
35°	386.5	380.6	374.7	375.9	375.9	377.1	377.1	377.1	379.4	377.1
37.5°	420.8	411.3	406.6	407.8	405.4	405.4	405.4	405.4	404.2	406.6
40°	457.4	443.3	438.5	439.7	438.5	437.3	437.3	438.5	437.3	438.5
42.5°	451.5	392.4	406.6	423.2	435.0	443.3	452.7	457.4	457.4	462.2
45°	394.8	232.9	249.4	271.9	290.8	310.9	320.3	327.4	332.1	341.6
47.5°	342.8	83.9	95.7	111.1	131.2	131.2	147.8	154.8	157.2	165.5
50°	333.3	13.0	10.6	11.8	13.0	14.2	15.4	18.9	18.9	23.6
52.5°	362.9	11.8	7.1	4.7	4.7	3.5	2.4	2.4	2.4	3.5
55°	396.0	13.0	7.1	4.7	3.5	3.5	1.2	1.2	1.2	1.2
57.5°	424.3	11.8	5.9	4.7	3.5	2.4	0.0	0.0	0.0	0.0
60°	455.1	13.0	7.1	4.7	3.5	2.4	0.0	0.0	0.0	0.0
62.5°	482.3	13.0	7.1	4.7	3.5	1.2	0.0	0.0	0.0	0.0
65°	521.3	14.2	7.1	4.7	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	528.4	14.2	7.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0
70°	471.6	11.8	4.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	405.4	7.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	326.2	5.9	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	218.7	4.7	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	98.1	3.5	1.2	1.2	0.0	0.0	1.2	1.2	0.0	0.0
82.5°	21.3	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.2	2.4	1.2	1.2	0.0	0.0	1.2	1.2	0.0	0.0
87.5°	13.0	1.2	1.2	1.2	0.0	0.0	0.0	1.2	0.0	0.0
90°	13.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	15.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	14.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.6	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.1	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	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-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	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
130°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.2	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°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.2	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°	1.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	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
172.5°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.2	1.2	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)