

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: P691356

Luminaire Tested: **CRTK2-C015-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691356
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-C015-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: 2847 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: B1 - U1 - G1

Input Watts (W): 29.9
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

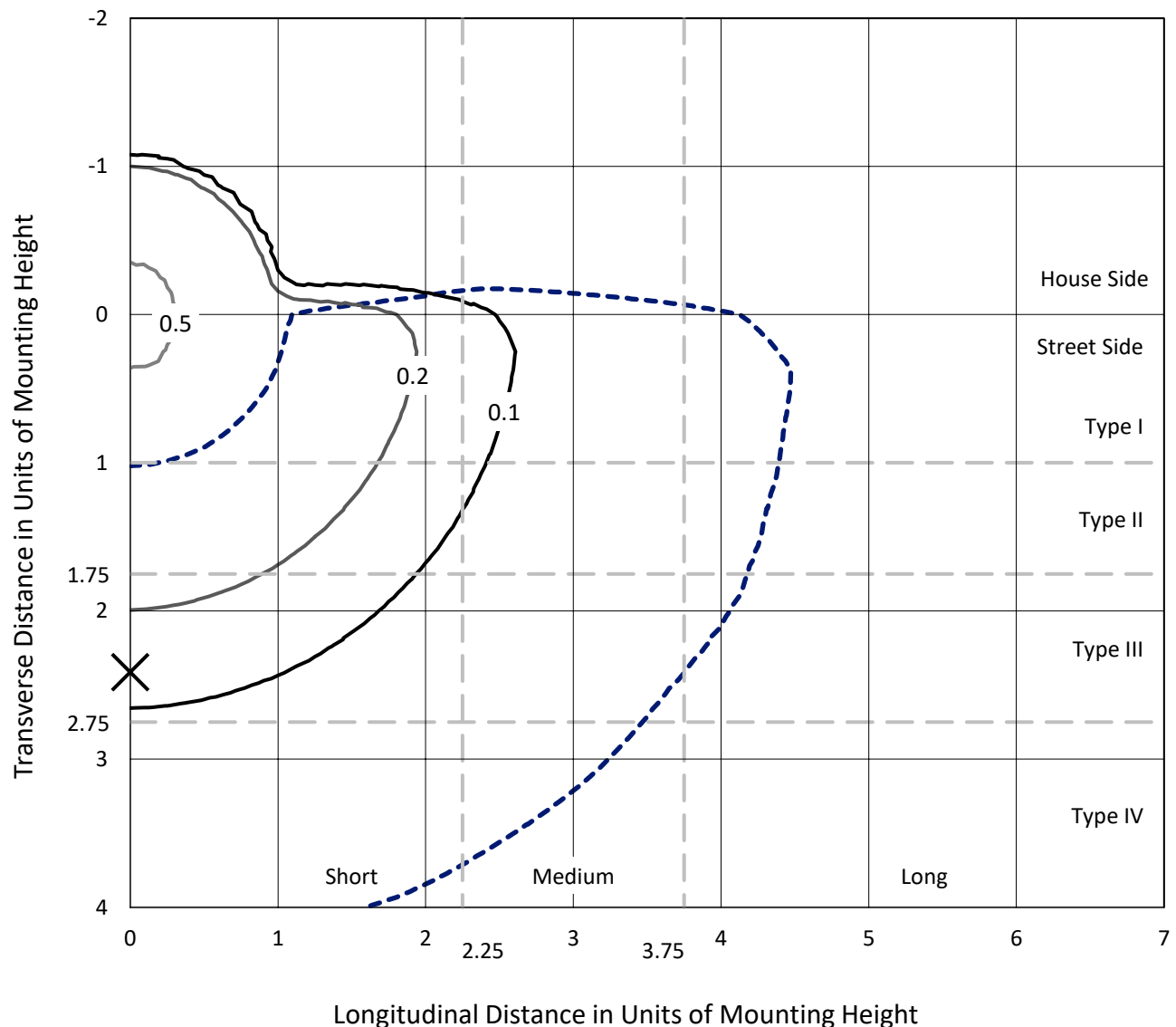


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

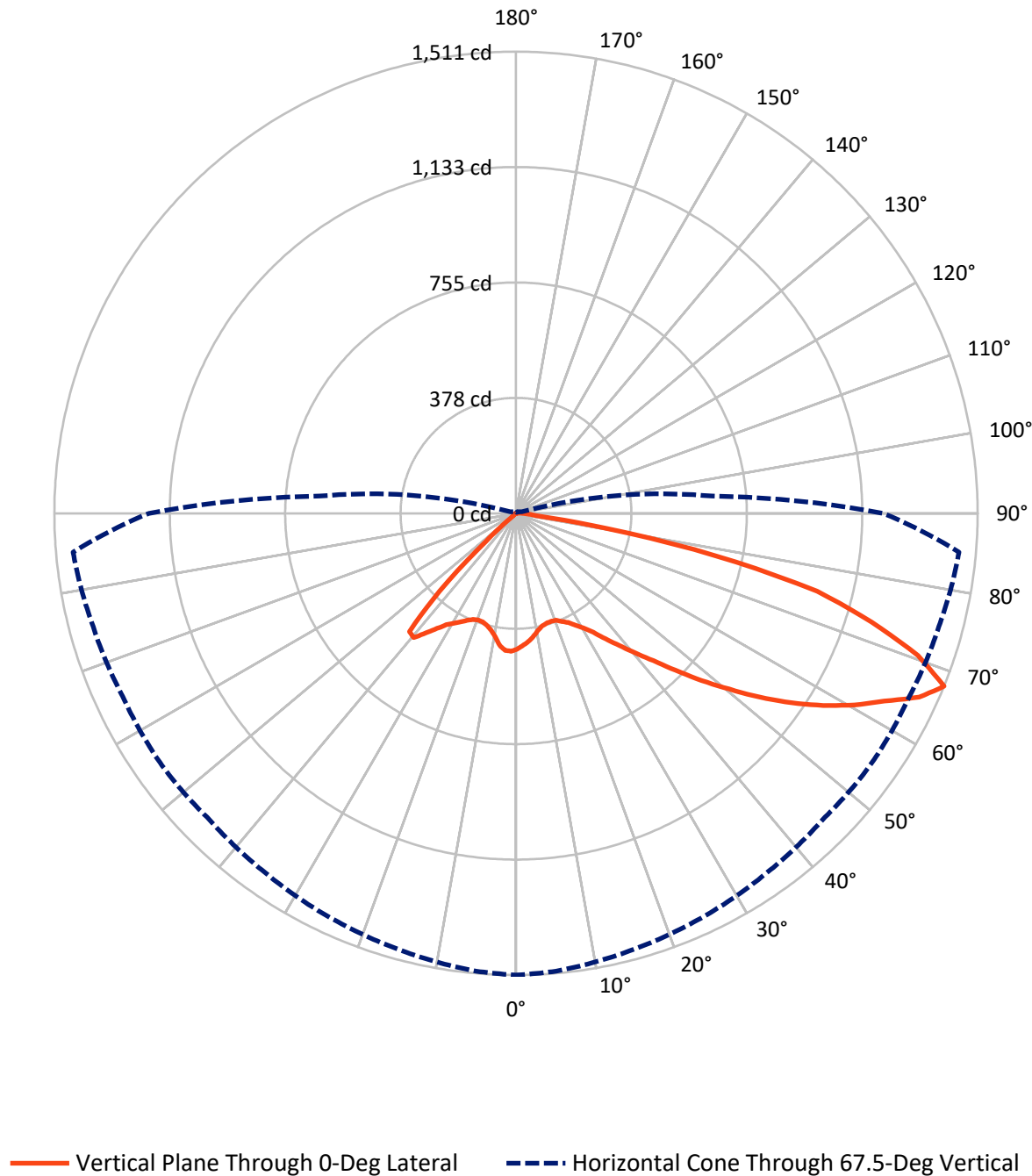


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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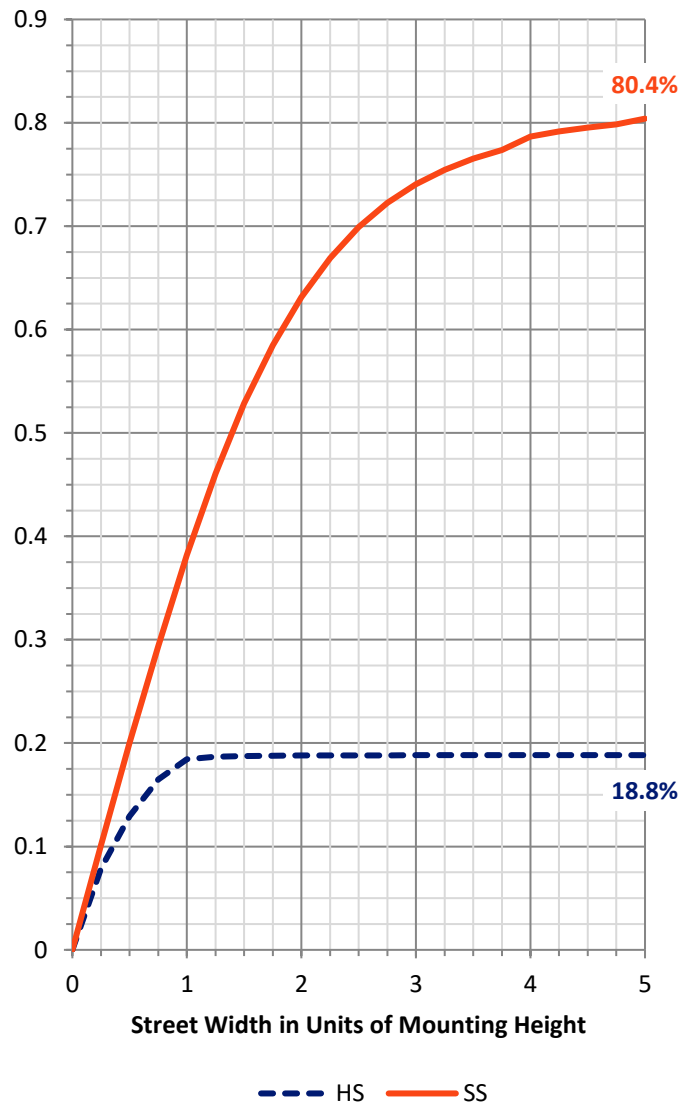
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.1	1.0	540.1
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2300.4	6.5	2306.8
	% Fixture	80.8	0.2	81.0
Total	Lumens	2839.5	7.4	2847.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.4
10°-20°	104.5	3.7
20°-30°	179.2	6.3
30°-40°	303.0	10.6
40°-50°	404.4	14.2
50°-60°	513.4	18.0
60°-70°	719.0	25.3
70°-80°	520.7	18.3
80°-90°	55.5	1.9
90°-100°	6.2	0.2
100°-110°	0.6	0.0
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.1	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°	2839.5	99.7
0°-180°	2847.0	100.0

Coefficient of Utilization



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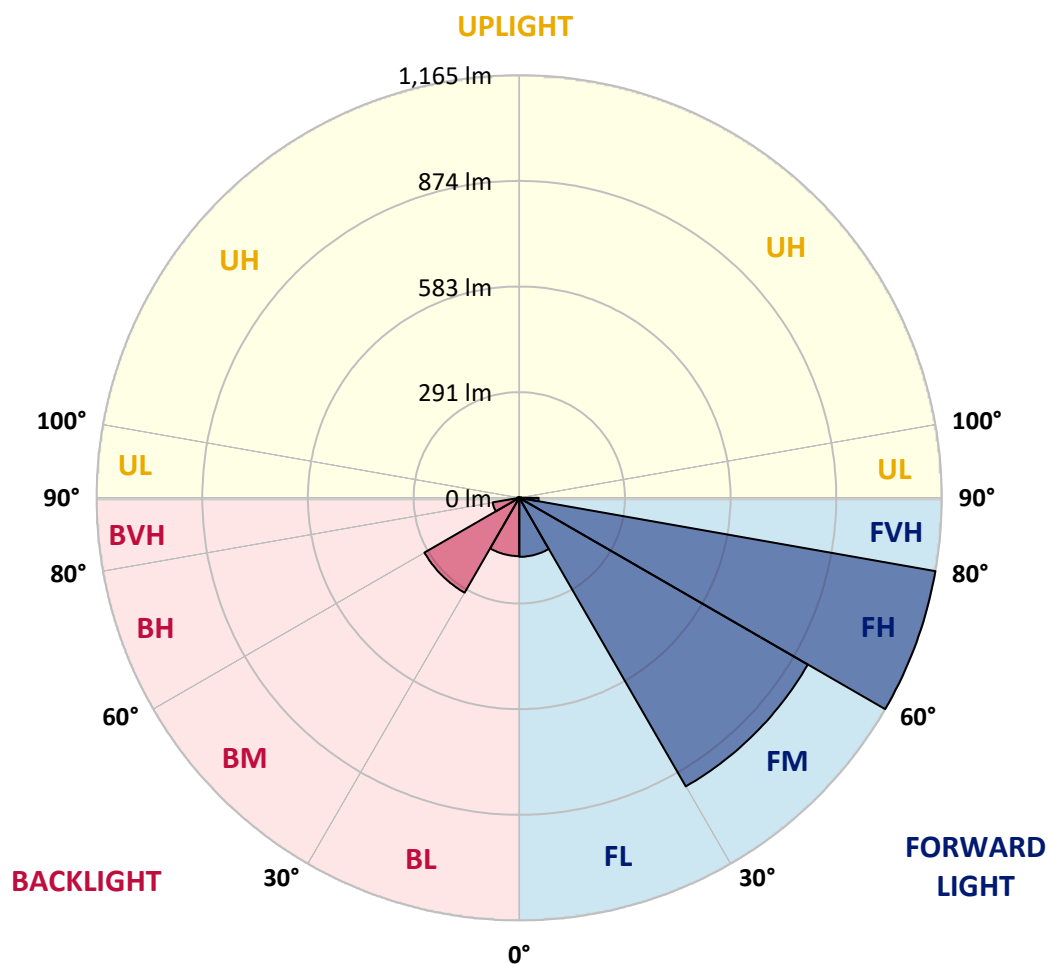
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.7	5.7			
FM	(30°-60°)	918.9	32.3			
FH	(60°-80°)	1165.3	40.9			G1/1800
FVH	(80°-90°)	53.4	1.9			G1/100
BL	(0°-30°)	160.7	5.6	B1/500		
BM	(30°-60°)	301.9	10.6	B1/1000		
BH	(60°-80°)	74.4	2.6	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	6.2	0.2		U1/10	
UH	(100°-180°)	1.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	432.8	434.3	434.3	434.3	435.7	434.3	434.3	434.3	434.3	435.7	435.7
5°	421.5	421.5	421.5	422.9	422.9	421.5	420.0	421.5	421.5	422.9	422.9
7.5°	407.2	407.2	407.2	408.6	407.2	404.4	401.5	402.9	401.5	402.9	404.4
10°	390.1	391.6	391.6	390.1	388.7	384.4	380.2	381.6	380.2	381.6	381.6
12.5°	378.7	380.2	380.2	378.7	374.5	371.6	368.8	365.9	364.5	367.3	365.9
15°	373.0	374.5	374.5	373.0	370.2	367.3	361.7	360.2	357.4	356.0	357.4
17.5°	371.6	371.6	371.6	370.2	367.3	363.1	360.2	357.4	356.0	356.0	354.5
20°	373.0	375.9	374.5	373.0	370.2	367.3	363.1	358.8	358.8	358.8	357.4
22.5°	384.4	384.4	383.0	383.0	380.2	375.9	371.6	368.8	365.9	365.9	365.9
25°	395.8	397.2	397.2	395.8	391.6	385.9	384.4	380.2	378.7	377.3	375.9
27.5°	414.3	412.9	414.3	414.3	408.6	405.8	401.5	398.7	397.2	394.4	393.0
30°	435.7	435.7	435.7	435.7	431.4	425.7	422.9	418.6	414.3	414.3	411.5
32.5°	464.2	465.6	465.6	464.2	459.9	454.2	451.4	445.7	444.2	441.4	438.5
35°	504.0	504.0	504.0	501.2	495.5	491.2	488.4	484.1	482.7	478.4	471.3
37.5°	548.2	548.2	551.0	548.2	542.5	536.8	532.5	529.7	525.4	522.5	518.3
40°	599.4	599.4	600.9	596.6	590.9	588.0	583.8	578.1	575.2	573.8	565.3
42.5°	659.2	662.1	662.1	657.8	653.5	649.3	643.6	639.3	636.4	630.8	619.4
45°	731.8	730.4	733.3	729.0	726.1	724.7	716.2	706.2	707.6	694.8	682.0
47.5°	817.3	818.7	817.3	813.0	810.2	808.7	800.2	787.4	781.7	771.7	747.5
50°	904.1	905.6	904.1	901.3	904.1	895.6	885.6	874.2	872.8	860.0	823.0
52.5°	999.5	995.3	993.8	992.4	989.6	985.3	975.3	962.5	963.9	949.7	891.3
55°	1094.9	1090.6	1083.5	1080.7	1077.8	1070.7	1062.2	1057.9	1056.5	1042.2	963.9
57.5°	1186.0	1178.9	1169.0	1167.5	1163.3	1153.3	1149.0	1141.9	1141.9	1126.2	1016.6
60°	1272.9	1264.4	1253.0	1247.3	1240.1	1231.6	1230.2	1225.9	1227.3	1218.8	1073.6
62.5°	1352.6	1345.5	1331.3	1322.7	1311.3	1304.2	1305.6	1302.8	1308.5	1302.8	1123.4
65°	1449.5	1440.9	1423.8	1405.3	1389.7	1378.3	1374.0	1382.5	1406.7	1412.4	1190.3
67.5°	1510.7	1503.6	1477.9	1455.1	1433.8	1418.1	1422.4	1419.6	1432.4	1455.1	1201.7
70°	1395.3	1392.5	1366.9	1352.6	1337.0	1321.3	1322.7	1318.5	1328.4	1334.1	1102.0
72.5°	1217.4	1231.6	1198.9	1197.4	1187.5	1188.9	1173.2	1184.6	1177.5	1177.5	975.3
75°	1018.0	988.1	978.2	1002.4	988.1	989.6	986.7	999.5	998.1	999.5	848.6
77.5°	667.8	673.5	660.7	686.3	699.1	720.5	730.4	764.6	751.8	748.9	672.0
80°	299.0	306.1	307.5	331.8	347.4	368.8	361.7	385.9	370.2	344.6	328.9
82.5°	66.9	66.9	75.5	96.8	102.5	106.8	106.8	111.1	88.3	54.1	44.1
85°	45.6	44.1	59.8	81.2	85.4	82.6	79.7	74.0	51.3	15.7	12.8
87.5°	29.9	31.3	48.4	66.9	69.8	65.5	61.2	55.5	37.0	4.3	2.8
90°	19.9	22.8	37.0	51.3	51.3	48.4	44.1	37.0	22.8	1.4	1.4
92.5°	10.0	11.4	18.5	22.8	21.4	18.5	17.1	14.2	8.5	1.4	1.4
95°	5.7	5.7	8.5	8.5	8.5	7.1	7.1	5.7	2.8	1.4	1.4
97.5°	4.3	4.3	5.7	5.7	4.3	4.3	4.3	2.8	1.4	1.4	1.4
100°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4
102.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
105°	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
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	1.4
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	1.4	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	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4
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	1.4	0.0	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	1.4	1.4
175°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	1.4	1.4
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°	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
2.5°	437.1	438.5	440.0	442.8	442.8	447.1	448.5	449.9	451.4	451.4
5°	425.7	427.1	431.4	434.3	438.5	441.4	445.7	447.1	448.5	449.9
7.5°	404.4	407.2	411.5	412.9	418.6	422.9	427.1	431.4	432.8	435.7
10°	383.0	384.4	385.9	390.1	393.0	398.7	404.4	407.2	410.1	410.1
12.5°	367.3	368.8	370.2	371.6	375.9	378.7	384.4	387.3	388.7	391.6
15°	357.4	357.4	360.2	360.2	363.1	367.3	370.2	374.5	375.9	378.7
17.5°	354.5	354.5	356.0	357.4	360.2	361.7	364.5	368.8	370.2	371.6
20°	356.0	357.4	357.4	358.8	361.7	363.1	365.9	367.3	368.8	370.2
22.5°	363.1	361.7	363.1	363.1	364.5	367.3	370.2	373.0	374.5	374.5
25°	373.0	371.6	371.6	374.5	375.9	377.3	381.6	383.0	384.4	384.4
27.5°	390.1	388.7	390.1	390.1	391.6	391.6	395.8	395.8	397.2	398.7
30°	407.2	402.9	402.9	402.9	404.4	407.2	408.6	411.5	412.9	412.9
32.5°	432.8	424.3	422.9	424.3	424.3	425.7	430.0	428.6	431.4	430.0
35°	465.6	457.0	454.2	454.2	454.2	454.2	458.5	455.6	458.5	457.0
37.5°	505.5	494.1	492.6	492.6	489.8	491.2	492.6	489.8	488.4	489.8
40°	548.2	528.2	526.8	528.2	528.2	528.2	528.2	526.8	525.4	526.8
42.5°	528.2	448.5	458.5	472.7	486.9	504.0	508.3	519.7	521.1	521.1
45°	461.3	259.1	273.4	294.7	303.3	309.0	324.6	348.8	356.0	357.4
47.5°	407.2	86.9	92.5	101.1	115.3	122.4	123.9	141.0	148.1	133.8
50°	402.9	19.9	14.2	14.2	15.7	12.8	12.8	14.2	14.2	14.2
52.5°	440.0	18.5	12.8	11.4	11.4	11.4	10.0	11.4	11.4	11.4
55°	478.4	18.5	12.8	11.4	11.4	11.4	10.0	10.0	10.0	10.0
57.5°	509.7	18.5	12.8	11.4	11.4	10.0	8.5	8.5	8.5	8.5
60°	546.7	18.5	12.8	11.4	11.4	8.5	7.1	7.1	7.1	7.1
62.5°	578.1	19.9	12.8	11.4	10.0	7.1	7.1	7.1	7.1	7.1
65°	623.6	19.9	12.8	10.0	7.1	5.7	5.7	5.7	5.7	5.7
67.5°	645.0	19.9	11.4	8.5	5.7	4.3	4.3	4.3	4.3	4.3
70°	580.9	15.7	8.5	5.7	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	496.9	11.4	5.7	4.3	2.8	2.8	2.8	2.8	2.8	1.4
75°	395.8	7.1	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0
77.5°	277.6	5.7	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0
80°	115.3	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.1	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.7	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	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°	1.4	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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	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)