

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: P691274

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691274  
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-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3371.9 lumens  
Efficiency: N/A  
Efficacy: 103.1 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): 32.7  
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

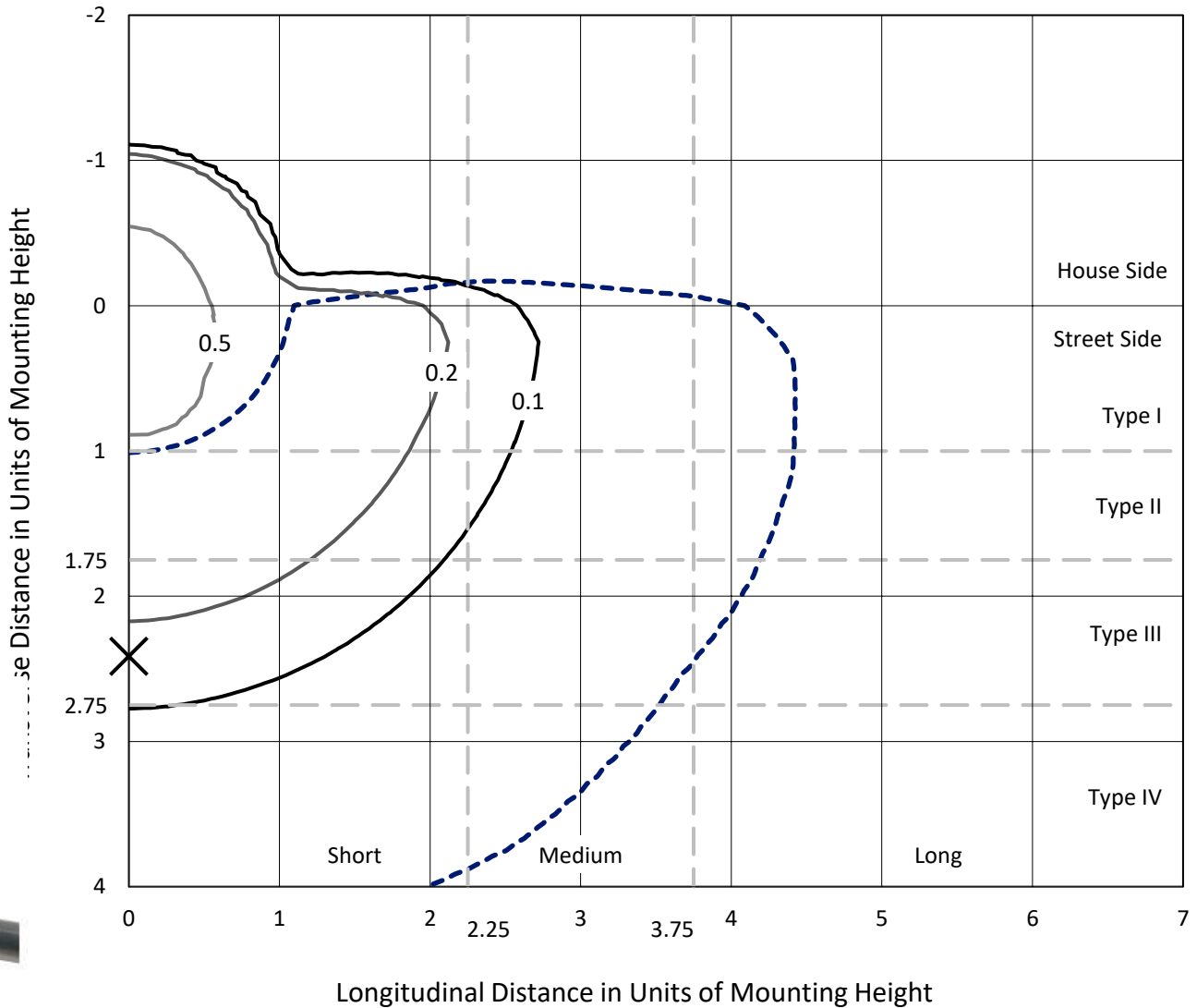


REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

### Iso-Footcandle Lines of Horizontal Illumination

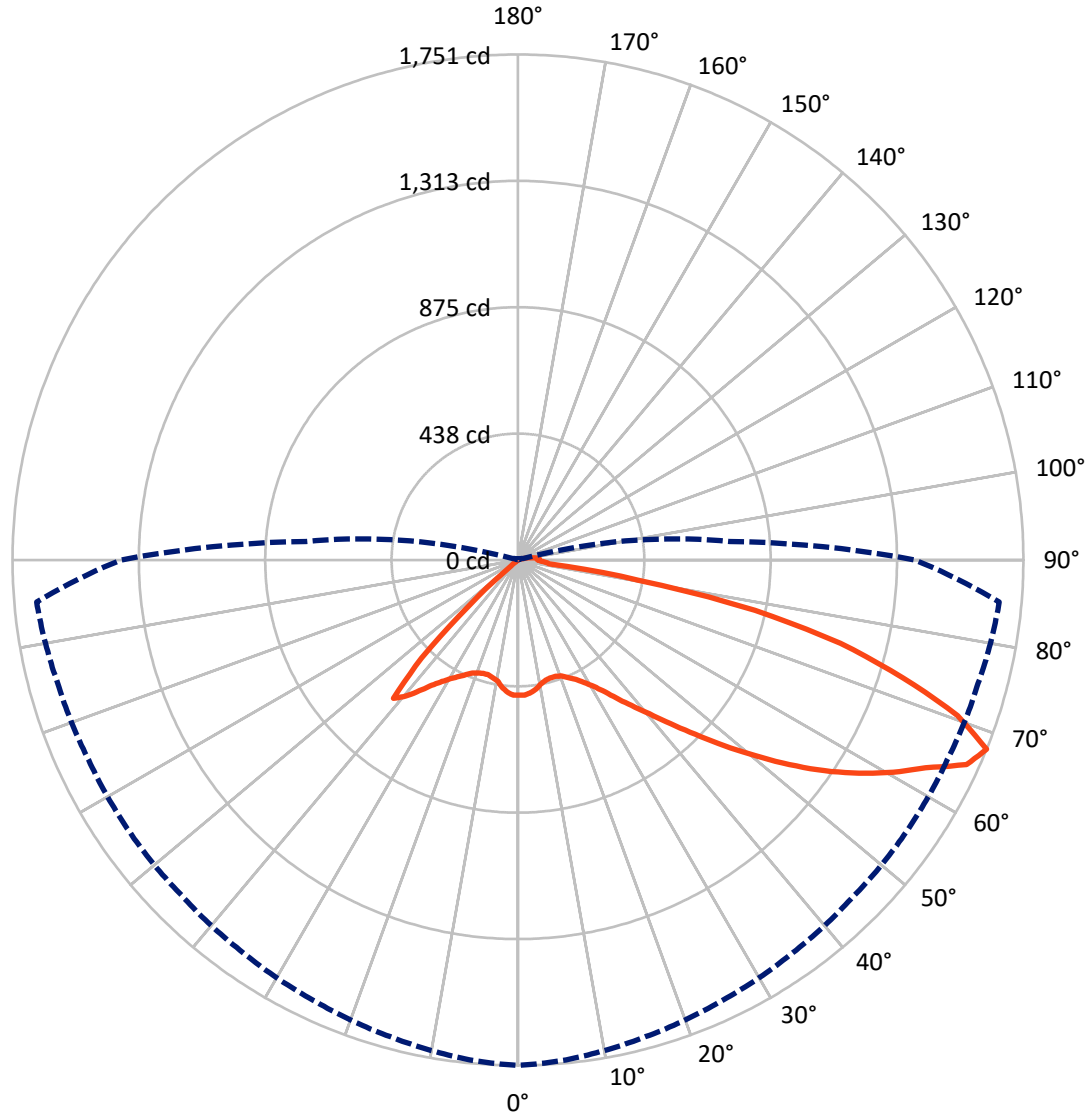
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P691274  
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

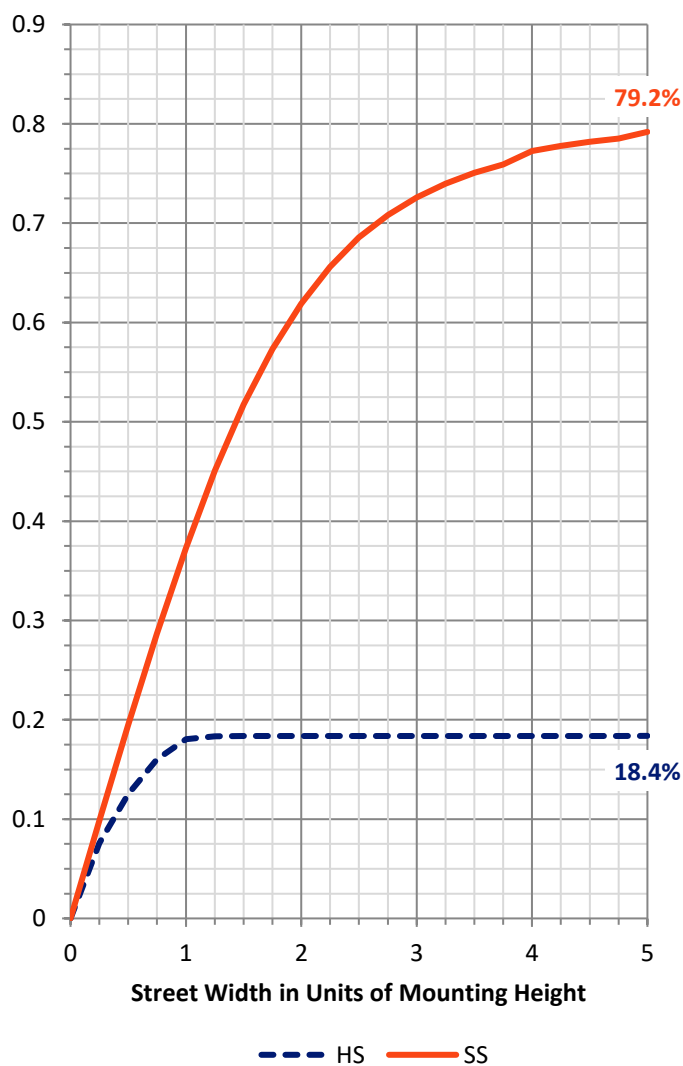
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	623.6	2.5	626.1
	% Fixture	18.5	0.1	18.6
<b>Street Side</b>	Lumens	2699.0	46.8	2745.8
	% Fixture	80.0	1.4	81.4
<b>Total</b>	Lumens	3322.6	49.3	3371.9
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.6	1.3
10°-20°	116.5	3.5
20°-30°	205.2	6.1
30°-40°	350.7	10.4
40°-50°	482.0	14.3
50°-60°	595.7	17.7
60°-70°	832.5	24.7
70°-80°	608.1	18.0
80°-90°	89.3	2.6
90°-100°	39.4	1.2
100°-110°	9.0	0.3
110°-120°	0.5	0.0
120°-130°	0.1	0.0
130°-140°	0.1	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°	3322.6	98.5
0°-180°	3371.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691274

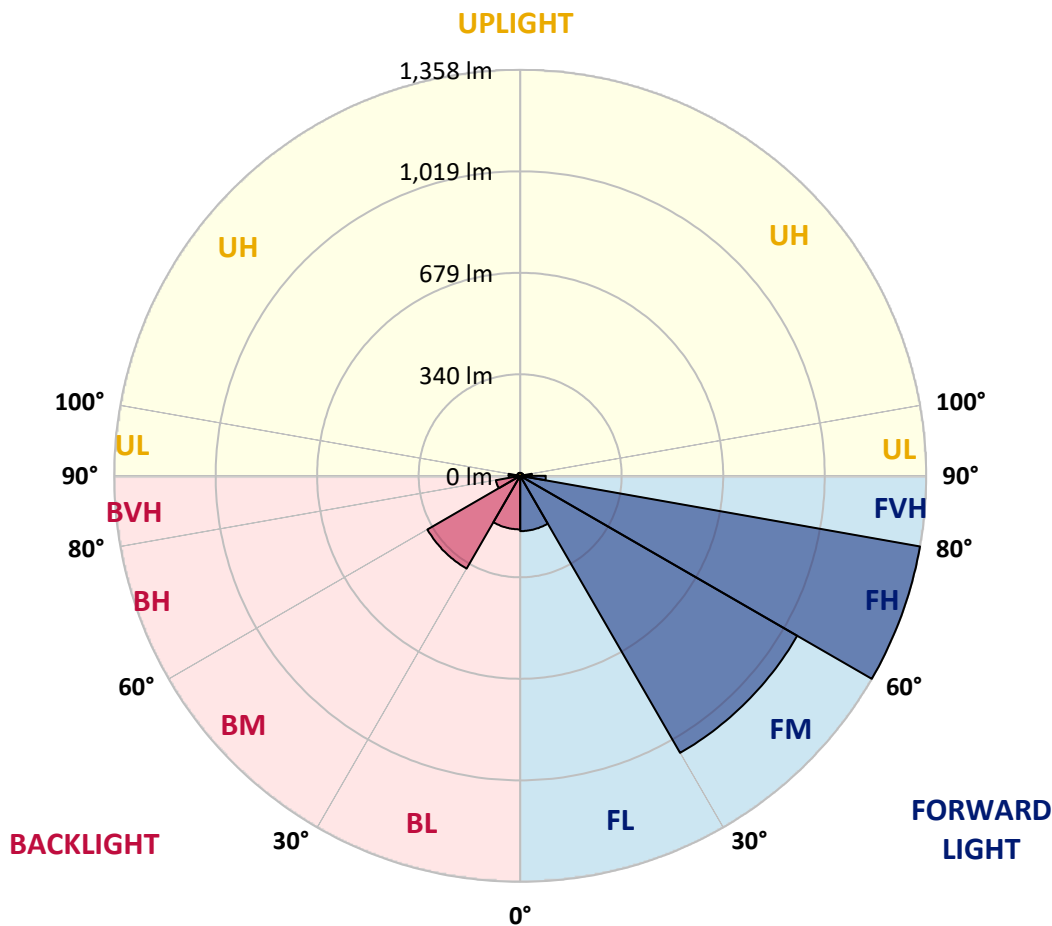
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.9	5.5			
FM (30°-60°)	1070.1	31.7			
FH (60°-80°)	1358.1	40.3			G1/1800
FVH (80°-90°)	85.8	2.5			G1/100
BL (0°-30°)	179.3	5.3	B1/500		
BM (30°-60°)	358.3	10.6	B1/1000		
BH (60°-80°)	82.5	2.4	B0/110		G0/110
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	39.4	1.2		U2/50	
UH (100°-180°)	10.0	0.3		U1/10	

**BUG Rating: B1-U2-G1**

Type IV Short





REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1
2.5°	468.1	468.1	468.1	468.1	469.8	468.1	466.5	463.2	463.2	463.2	463.2
5°	461.5	461.5	463.2	463.2	461.5	459.9	456.6	456.6	454.9	454.9	454.9
7.5°	451.6	451.6	451.6	453.3	450.0	445.1	443.4	441.8	440.1	438.5	436.8
10°	436.8	436.8	436.8	435.2	431.9	426.9	423.6	420.3	420.3	418.7	417.0
12.5°	426.9	426.9	426.9	425.3	420.3	417.0	412.1	408.8	407.1	407.1	405.5
15°	423.6	423.6	423.6	422.0	417.0	413.7	408.8	405.5	402.2	400.5	398.9
17.5°	423.6	423.6	423.6	420.3	418.7	413.7	408.8	405.5	403.8	402.2	400.5
20°	428.6	430.2	428.6	426.9	422.0	418.7	413.7	408.8	407.1	407.1	405.5
22.5°	441.8	440.1	440.1	438.5	433.5	428.6	425.3	422.0	418.7	418.7	417.0
25°	456.6	458.2	458.2	454.9	451.6	446.7	441.8	436.8	435.2	433.5	431.9
27.5°	478.0	478.0	479.7	476.4	471.4	468.1	463.2	459.9	456.6	453.3	451.6
30°	504.4	506.0	506.0	502.7	497.8	491.2	487.9	483.0	478.0	478.0	473.1
32.5°	539.0	542.3	540.7	537.4	532.4	525.8	522.5	517.6	514.3	509.3	506.0
35°	586.8	588.5	586.8	583.5	575.3	568.7	565.4	562.1	558.8	552.2	545.6
37.5°	639.6	641.2	642.9	639.6	629.7	619.8	616.5	611.5	609.9	601.6	598.4
40°	700.5	703.8	702.2	697.3	689.0	679.1	677.5	672.5	667.6	662.6	654.4
42.5°	774.7	774.7	773.1	769.8	763.2	751.6	748.3	743.4	740.1	730.2	717.0
45°	860.4	862.1	857.1	852.2	850.5	840.7	832.4	827.5	817.6	806.0	791.2
47.5°	961.0	959.3	952.7	947.8	946.2	937.9	931.3	921.4	908.2	895.1	867.0
50°	1064.8	1064.8	1053.3	1048.3	1051.6	1040.1	1031.9	1020.3	1007.1	994.0	952.7
52.5°	1176.9	1172.0	1160.4	1162.1	1157.1	1145.6	1135.7	1127.5	1114.3	1102.7	1036.8
55°	1289.0	1282.4	1264.3	1265.9	1257.7	1244.5	1237.9	1228.0	1224.7	1211.5	1117.6
57.5°	1392.9	1384.6	1364.8	1363.2	1356.6	1341.8	1338.5	1326.9	1318.7	1312.1	1178.6
60°	1493.4	1485.2	1467.0	1460.4	1447.2	1432.4	1434.1	1427.5	1422.5	1415.9	1246.2
62.5°	1584.1	1574.2	1557.7	1544.5	1526.4	1513.2	1514.8	1511.5	1514.8	1513.2	1303.8
65°	1707.7	1697.8	1673.1	1650.0	1623.6	1603.8	1602.2	1607.1	1641.8	1645.1	1392.9
67.5°	1750.5	1740.7	1709.3	1681.3	1659.9	1645.1	1641.8	1640.1	1650.0	1673.1	1374.7
70°	1615.4	1608.8	1579.1	1559.3	1537.9	1528.0	1518.1	1523.1	1533.0	1531.3	1261.0
72.5°	1394.5	1430.8	1392.9	1374.7	1369.8	1343.4	1350.0	1345.1	1351.6	1350.0	1120.9
75°	1153.8	1144.0	1135.7	1167.0	1144.0	1124.2	1135.7	1147.3	1158.8	1145.6	982.4
77.5°	839.0	845.6	842.3	853.8	875.3	865.4	858.8	886.8	891.8	847.3	763.2
80°	422.0	448.4	456.6	476.4	487.9	466.5	448.4	487.9	481.3	430.2	387.4
82.5°	110.4	112.1	128.6	151.6	154.9	151.6	154.9	151.6	131.9	84.1	70.9
85°	92.3	92.3	113.7	138.5	143.4	136.8	136.8	128.6	102.2	52.7	42.9
87.5°	75.8	79.1	102.2	125.3	128.6	122.0	120.3	110.4	89.0	46.2	36.3
90°	67.6	70.9	92.3	112.1	113.7	107.1	105.5	98.9	80.8	46.2	36.3
92.5°	74.2	75.8	90.7	102.2	102.2	97.3	95.6	90.7	79.1	57.7	44.5
95°	65.9	67.6	74.2	79.1	77.5	72.5	75.8	70.9	65.9	54.4	41.2
97.5°	54.4	56.0	57.7	57.7	56.0	52.7	56.0	54.4	51.1	44.5	33.0
100°	41.2	41.2	41.2	42.9	41.2	39.6	41.2	37.9	36.3	31.3	23.1
102.5°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	24.7	23.1	19.8	13.2
105°	16.5	16.5	14.8	16.5	16.5	14.8	14.8	13.2	9.9	8.2	4.9
107.5°	6.6	6.6	4.9	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6
110°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0



REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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	1.6	1.6	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1
2.5°	463.2	463.2	463.2	463.2	463.2	463.2	464.8	466.5	468.1	468.1
5°	454.9	454.9	454.9	453.3	454.9	456.6	458.2	458.2	459.9	459.9
7.5°	438.5	436.8	436.8	436.8	438.5	441.8	441.8	443.4	445.1	445.1
10°	417.0	417.0	417.0	417.0	418.7	422.0	422.0	425.3	425.3	425.3
12.5°	405.5	405.5	403.8	402.2	405.5	405.5	410.4	412.1	413.7	417.0
15°	398.9	397.3	398.9	398.9	400.5	402.2	403.8	407.1	408.8	410.4
17.5°	398.9	398.9	398.9	400.5	402.2	402.2	403.8	407.1	408.8	410.4
20°	405.5	405.5	403.8	403.8	405.5	405.5	408.8	412.1	413.7	415.4
22.5°	415.4	413.7	413.7	412.1	413.7	415.4	418.7	422.0	422.0	422.0
25°	428.6	426.9	426.9	426.9	430.2	430.2	433.5	436.8	436.8	436.8
27.5°	450.0	446.7	445.1	445.1	445.1	446.7	450.0	451.6	453.3	453.3
30°	468.1	464.8	463.2	461.5	463.2	464.8	468.1	471.4	471.4	471.4
32.5°	501.1	492.9	487.9	489.6	489.6	491.2	494.5	494.5	496.2	496.2
35°	539.0	530.8	522.5	524.2	524.2	525.8	525.8	525.8	529.1	525.8
37.5°	586.8	573.6	567.0	568.7	565.4	565.4	565.4	565.4	563.7	567.0
40°	637.9	618.1	611.5	613.2	611.5	609.9	609.9	611.5	609.9	611.5
42.5°	629.7	547.3	567.0	590.1	606.6	618.1	631.3	637.9	637.9	644.5
45°	550.5	324.7	347.8	379.1	405.5	433.5	446.7	456.6	463.2	476.4
47.5°	478.0	117.0	133.5	154.9	183.0	183.0	206.0	215.9	219.2	230.8
50°	464.8	18.1	14.8	16.5	18.1	19.8	21.4	26.4	26.4	33.0
52.5°	506.0	16.5	9.9	6.6	6.6	4.9	3.3	3.3	3.3	4.9
55°	552.2	18.1	9.9	6.6	4.9	4.9	1.6	1.6	1.6	1.6
57.5°	591.8	16.5	8.2	6.6	4.9	3.3	0.0	0.0	0.0	0.0
60°	634.6	18.1	9.9	6.6	4.9	3.3	0.0	0.0	0.0	0.0
62.5°	672.5	18.1	9.9	6.6	4.9	1.6	0.0	0.0	0.0	0.0
65°	726.9	19.8	9.9	6.6	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	736.8	19.8	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0
70°	657.7	16.5	6.6	3.3	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	565.4	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	454.9	8.2	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	304.9	6.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	136.8	4.9	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
82.5°	29.7	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.8	3.3	1.6	1.6	0.0	0.0	1.6	1.6	0.0	0.0
87.5°	18.1	1.6	1.6	1.6	0.0	0.0	0.0	1.6	0.0	0.0
90°	18.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	21.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	19.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	14.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	9.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691274

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	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°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.6	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°	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	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)