

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: P690906

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690906  
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-C01-5TLD-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**

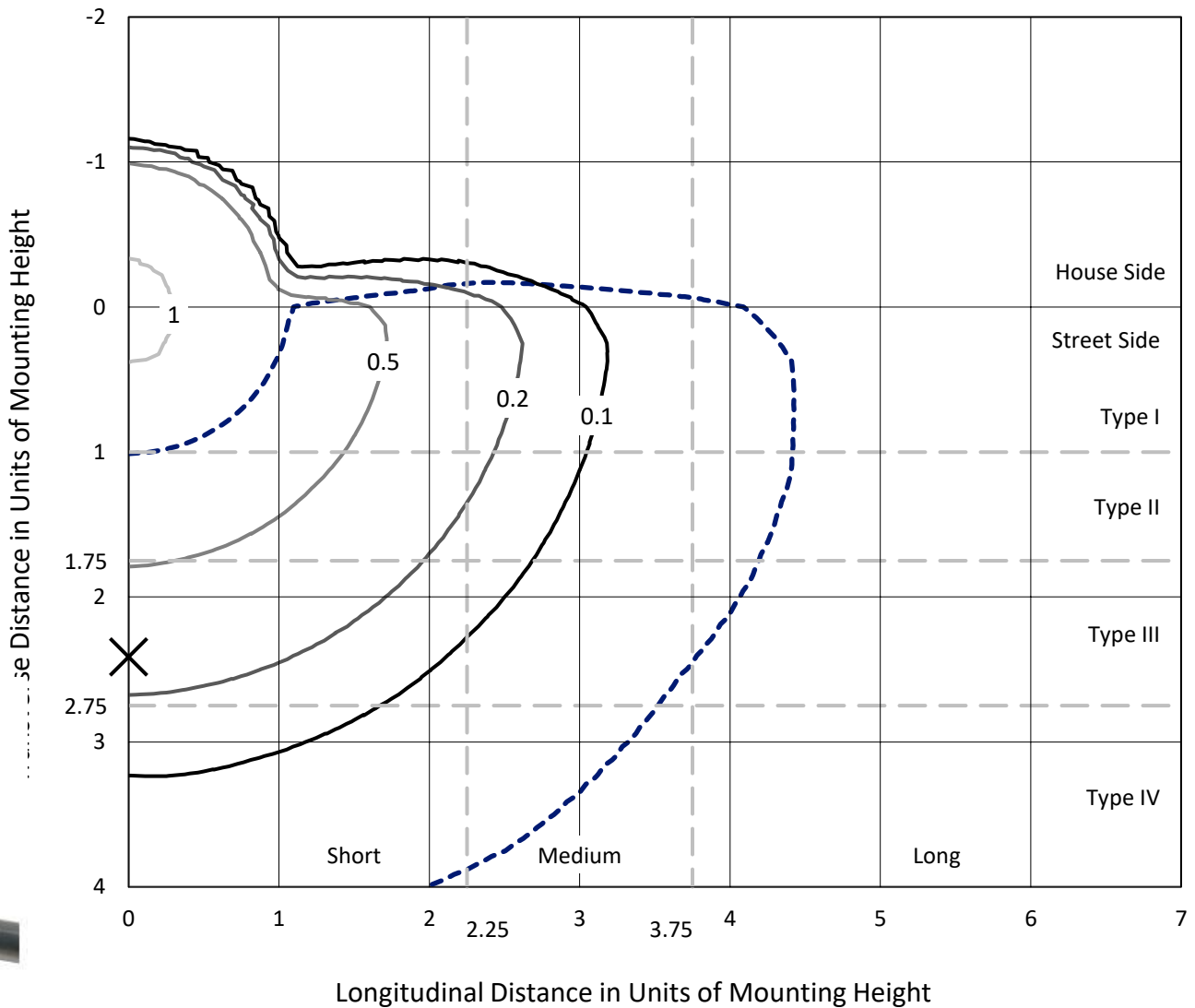
Lumens per Lamp: N/A  
Luminaire Lumens: 5963 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U3 - G2  
  
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

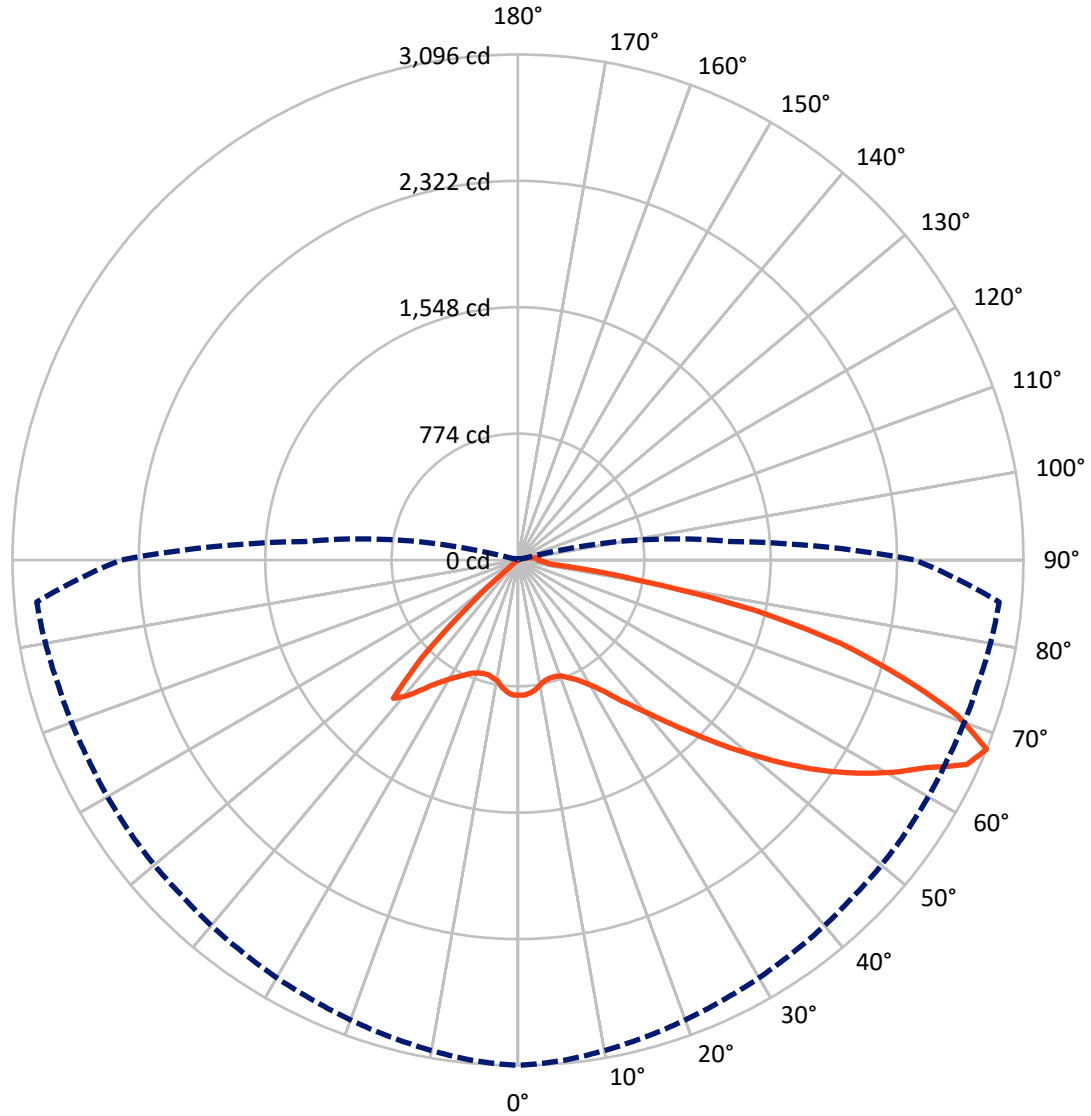
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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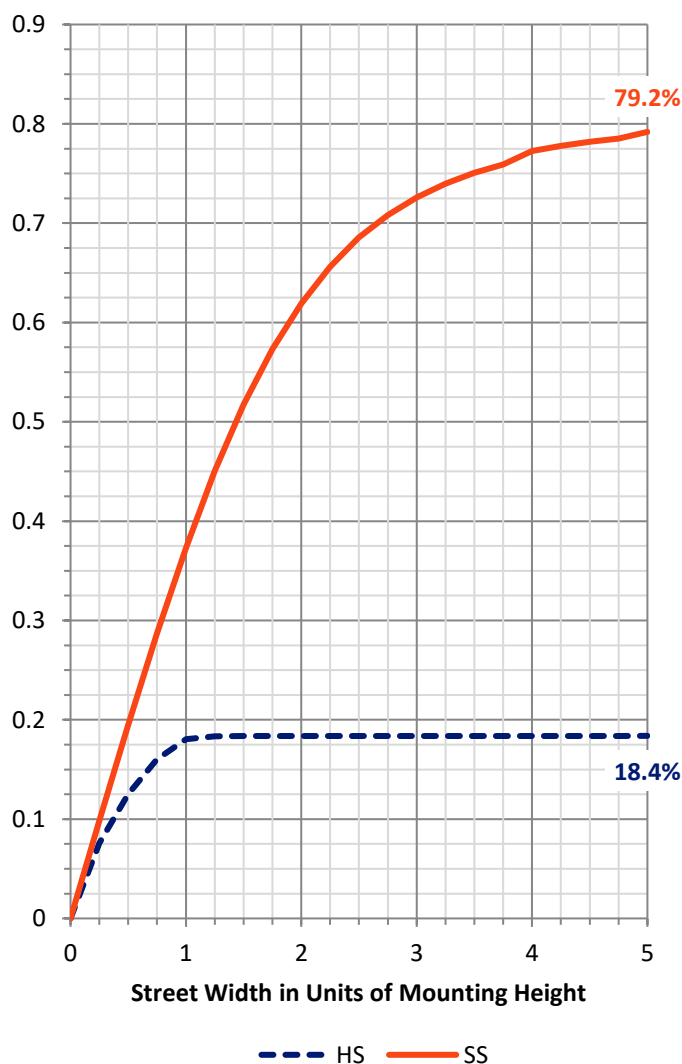
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1102.9	4.4	1107.3
	% Fixture	18.5	0.1	18.6
<b>Street Side</b>	Lumens	4772.8	82.8	4855.7
	% Fixture	80.0	1.4	81.4
<b>Total</b>	Lumens	5875.7	87.3	5963.0
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.3	1.3
10°-20°	206.0	3.5
20°-30°	362.8	6.1
30°-40°	620.2	10.4
40°-50°	852.4	14.3
50°-60°	1053.5	17.7
60°-70°	1472.2	24.7
70°-80°	1075.4	18.0
80°-90°	157.9	2.6
90°-100°	69.6	1.2
100°-110°	15.9	0.3
110°-120°	1.0	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5875.7	98.5
0°-180°	5963.0	100.0

**Coefficient of Utilization**



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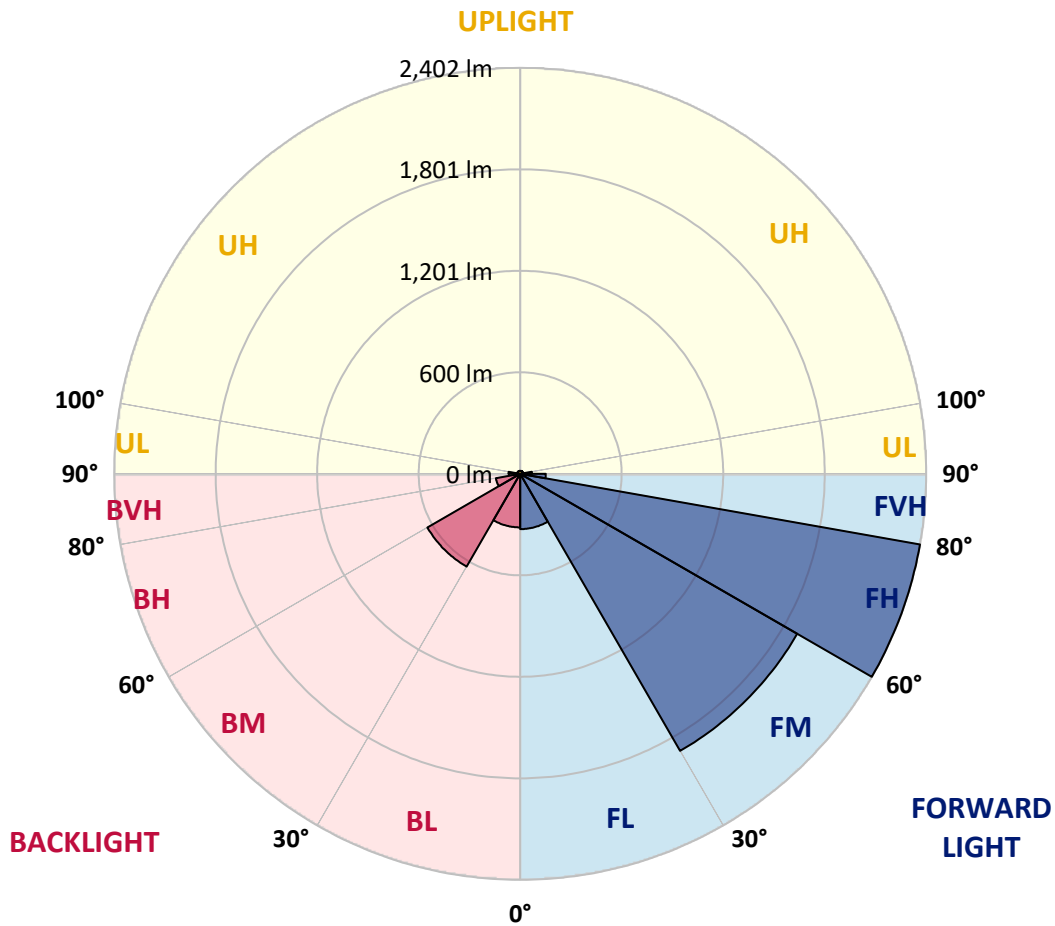
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.0	5.5			
FM (30°-60°)	1892.4	31.7			
FH (60°-80°)	2401.7	40.3			G2/5000
FVH (80°-90°)	151.8	2.5			G2/225
BL (0°-30°)	317.1	5.3	B1/500		
BM (30°-60°)	633.7	10.6	B1/1000		
BH (60°-80°)	145.9	2.4	B1/500		G1/500
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	69.6	1.2		U3/500	
UH (100°-180°)	17.7	0.3		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	827.8	827.8	827.8	827.8	830.8	827.8	824.9	819.1	819.1	819.1	819.1
5°	816.2	816.2	819.1	819.1	816.2	813.3	807.4	807.4	804.5	804.5	804.5
7.5°	798.7	798.7	798.7	801.6	795.8	787.0	784.1	781.2	778.3	775.4	772.5
10°	772.5	772.5	772.5	769.5	763.7	755.0	749.1	743.3	743.3	740.4	737.5
12.5°	755.0	755.0	755.0	752.0	743.3	737.5	728.7	722.9	720.0	720.0	717.1
15°	749.1	749.1	749.1	746.2	737.5	731.6	722.9	717.1	711.2	708.3	705.4
17.5°	749.1	749.1	749.1	743.3	740.4	731.6	722.9	717.1	714.2	711.2	708.3
20°	757.9	760.8	757.9	755.0	746.2	740.4	731.6	722.9	720.0	720.0	717.1
22.5°	781.2	778.3	778.3	775.4	766.6	757.9	752.0	746.2	740.4	740.4	737.5
25°	807.4	810.3	810.3	804.5	798.7	789.9	781.2	772.5	769.5	766.6	763.7
27.5°	845.3	845.3	848.2	842.4	833.7	827.8	819.1	813.3	807.4	801.6	798.7
30°	892.0	894.9	894.9	889.0	880.3	868.6	862.8	854.1	845.3	845.3	836.6
32.5°	953.2	959.0	956.1	950.3	941.5	929.9	924.0	915.3	909.5	900.7	894.9
35°	1037.7	1040.6	1037.7	1031.9	1017.3	1005.6	999.8	994.0	988.2	976.5	964.8
37.5°	1131.0	1133.9	1136.8	1131.0	1113.5	1096.0	1090.2	1081.4	1078.5	1063.9	1058.1
40°	1238.8	1244.7	1241.8	1233.0	1218.4	1200.9	1198.0	1189.3	1180.5	1171.8	1157.2
42.5°	1370.0	1370.0	1367.1	1361.3	1349.6	1329.2	1323.4	1314.6	1308.8	1291.3	1268.0
45°	1521.6	1524.5	1515.8	1507.0	1504.1	1486.6	1472.0	1463.3	1445.8	1425.4	1399.2
47.5°	1699.4	1696.5	1684.8	1676.1	1673.2	1658.6	1646.9	1629.4	1606.1	1582.8	1533.2
50°	1883.0	1883.0	1862.6	1853.9	1859.7	1839.3	1824.7	1804.3	1781.0	1757.7	1684.8
52.5°	2081.3	2072.5	2052.1	2055.0	2046.3	2025.9	2008.4	1993.8	1970.5	1950.1	1833.5
55°	2279.5	2267.8	2235.7	2238.7	2224.1	2200.8	2189.1	2171.6	2165.8	2142.5	1976.3
57.5°	2463.1	2448.5	2413.6	2410.6	2399.0	2372.7	2366.9	2346.5	2331.9	2320.3	2084.2
60°	2640.9	2626.3	2594.3	2582.6	2559.3	2533.1	2536.0	2524.3	2515.6	2503.9	2203.7
62.5°	2801.2	2783.7	2754.6	2731.3	2699.2	2675.9	2678.8	2673.0	2678.8	2675.9	2305.7
65°	3019.9	3002.4	2958.6	2917.8	2871.2	2836.2	2833.3	2842.0	2903.3	2909.1	2463.1
67.5°	3095.6	3078.2	3022.8	2973.2	2935.3	2909.1	2903.3	2900.3	2917.8	2958.6	2431.0
70°	2856.6	2845.0	2792.5	2757.5	2719.6	2702.1	2684.6	2693.4	2710.9	2708.0	2229.9
72.5°	2466.0	2530.1	2463.1	2431.0	2422.3	2375.7	2387.3	2378.6	2390.2	2387.3	1982.1
75°	2040.4	2023.0	2008.4	2063.8	2023.0	1988.0	2008.4	2028.8	2049.2	2025.9	1737.3
77.5°	1483.7	1495.4	1489.5	1509.9	1547.8	1530.3	1518.7	1568.2	1577.0	1498.3	1349.6
80°	746.2	792.9	807.4	842.4	862.8	824.9	792.9	862.8	851.2	760.8	685.0
82.5°	195.3	198.2	227.4	268.2	274.0	268.2	274.0	268.2	233.2	148.7	125.3
85°	163.2	163.2	201.1	244.9	253.6	241.9	241.9	227.4	180.7	93.3	75.8
87.5°	134.1	139.9	180.7	221.5	227.4	215.7	212.8	195.3	157.4	81.6	64.1
90°	119.5	125.3	163.2	198.2	201.1	189.5	186.6	174.9	142.8	81.6	64.1
92.5°	131.2	134.1	160.3	180.7	180.7	172.0	169.1	160.3	139.9	102.0	78.7
95°	116.6	119.5	131.2	139.9	137.0	128.3	134.1	125.3	116.6	96.2	72.9
97.5°	96.2	99.1	102.0	102.0	99.1	93.3	99.1	96.2	90.4	78.7	58.3
100°	72.9	72.9	72.9	75.8	72.9	70.0	72.9	67.0	64.1	55.4	40.8
102.5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	43.7	40.8	35.0	23.3
105°	29.1	29.1	26.2	29.1	29.1	26.2	26.2	23.3	17.5	14.6	8.7
107.5°	11.7	11.7	8.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9	2.9
110°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9	2.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8	827.8
2.5°	819.1	819.1	819.1	819.1	819.1	819.1	822.0	824.9	827.8	827.8
5°	804.5	804.5	804.5	801.6	804.5	807.4	810.3	810.3	813.3	813.3
7.5°	775.4	772.5	772.5	772.5	775.4	781.2	781.2	784.1	787.0	787.0
10°	737.5	737.5	737.5	737.5	740.4	746.2	746.2	752.0	752.0	752.0
12.5°	717.1	717.1	714.2	711.2	717.1	717.1	725.8	728.7	731.6	737.5
15°	705.4	702.5	705.4	705.4	708.3	711.2	714.2	720.0	722.9	725.8
17.5°	705.4	705.4	705.4	708.3	711.2	711.2	714.2	720.0	722.9	725.8
20°	717.1	717.1	714.2	714.2	717.1	717.1	722.9	728.7	731.6	734.6
22.5°	734.6	731.6	731.6	728.7	731.6	734.6	740.4	746.2	746.2	746.2
25°	757.9	755.0	755.0	755.0	760.8	760.8	766.6	772.5	772.5	772.5
27.5°	795.8	789.9	787.0	787.0	787.0	789.9	795.8	798.7	801.6	801.6
30°	827.8	822.0	819.1	816.2	819.1	822.0	827.8	833.7	833.7	833.7
32.5°	886.1	871.6	862.8	865.7	865.7	868.6	874.5	874.5	877.4	877.4
35°	953.2	938.6	924.0	926.9	926.9	929.9	929.9	929.9	935.7	929.9
37.5°	1037.7	1014.4	1002.7	1005.6	999.8	999.8	999.8	999.8	996.9	1002.7
40°	1128.1	1093.1	1081.4	1084.3	1081.4	1078.5	1078.5	1081.4	1078.5	1081.4
42.5°	1113.5	967.8	1002.7	1043.5	1072.7	1093.1	1116.4	1128.1	1128.1	1139.7
45°	973.6	574.2	615.0	670.4	717.1	766.6	789.9	807.4	819.1	842.4
47.5°	845.3	207.0	236.1	274.0	323.6	323.6	364.4	381.9	387.7	408.1
50°	822.0	32.1	26.2	29.1	32.1	35.0	37.9	46.6	46.6	58.3
52.5°	894.9	29.1	17.5	11.7	11.7	8.7	5.8	5.8	5.8	8.7
55°	976.5	32.1	17.5	11.7	8.7	8.7	2.9	2.9	2.9	2.9
57.5°	1046.5	29.1	14.6	11.7	8.7	5.8	0.0	0.0	0.0	0.0
60°	1122.2	32.1	17.5	11.7	8.7	5.8	0.0	0.0	0.0	0.0
62.5°	1189.3	32.1	17.5	11.7	8.7	2.9	0.0	0.0	0.0	0.0
65°	1285.5	35.0	17.5	11.7	5.8	0.0	0.0	0.0	0.0	0.0
67.5°	1303.0	35.0	17.5	8.7	2.9	0.0	0.0	0.0	0.0	0.0
70°	1163.1	29.1	11.7	5.8	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	999.8	17.5	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	804.5	14.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	539.3	11.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	241.9	8.7	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
82.5°	52.5	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.0	5.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
87.5°	32.1	2.9	2.9	2.9	0.0	0.0	0.0	2.9	0.0	0.0
90°	32.1	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	37.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	35.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	26.2	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690906  
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7050-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	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°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.9	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°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)