

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: P691830

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691830  
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-C01H-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

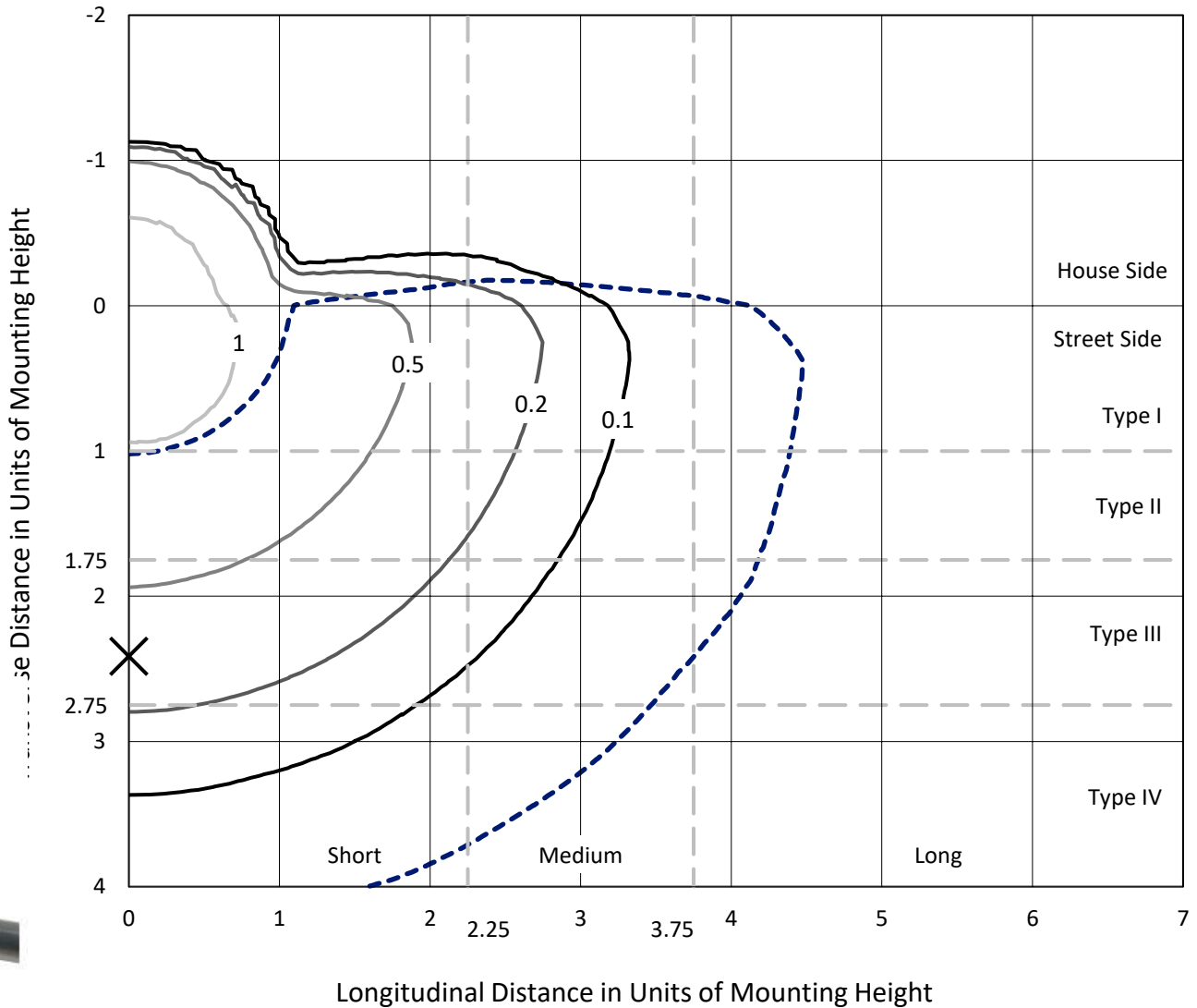
Lumens per Lamp: N/A  
Luminaire Lumens: 6766 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G2  
  
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

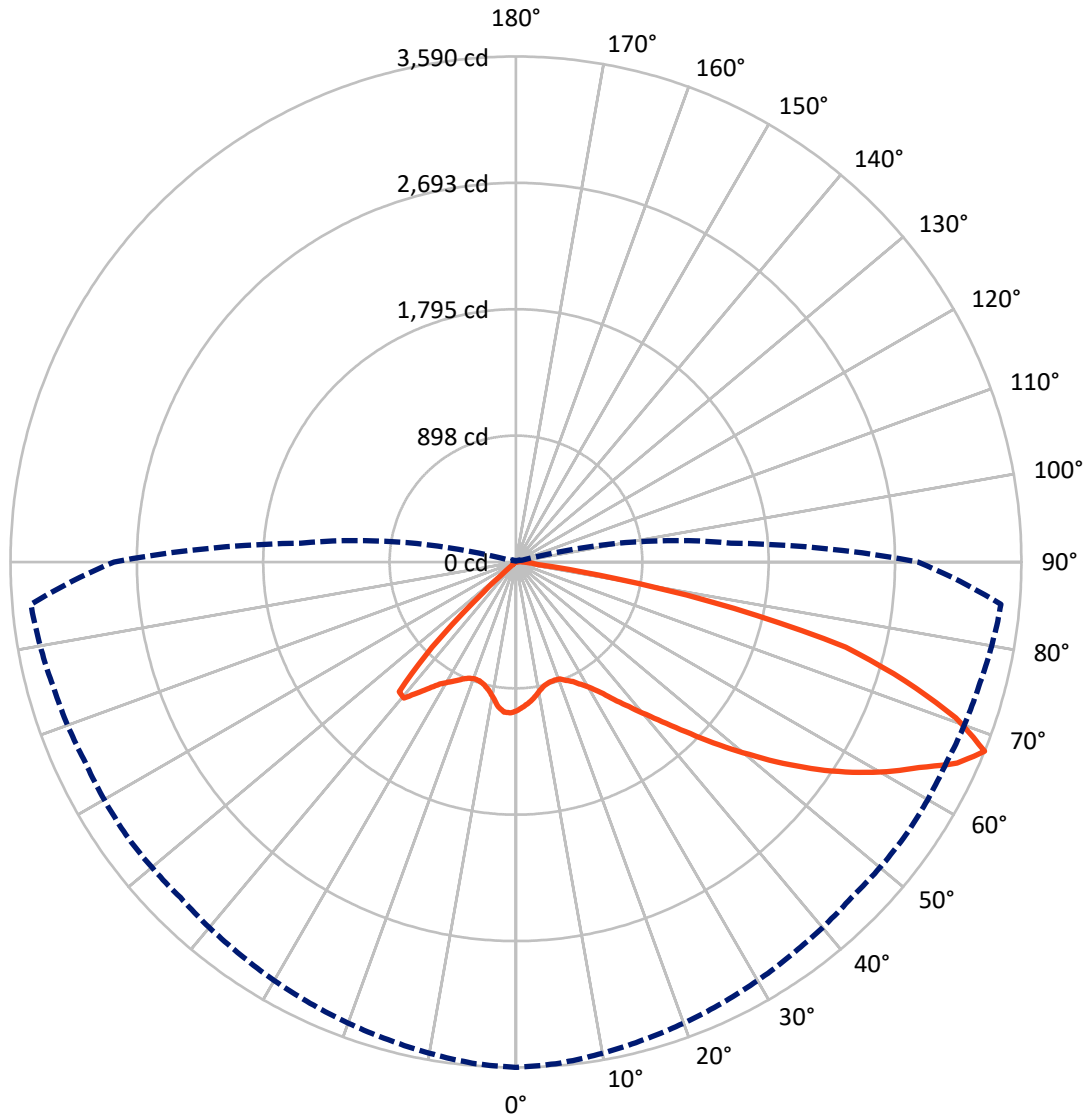
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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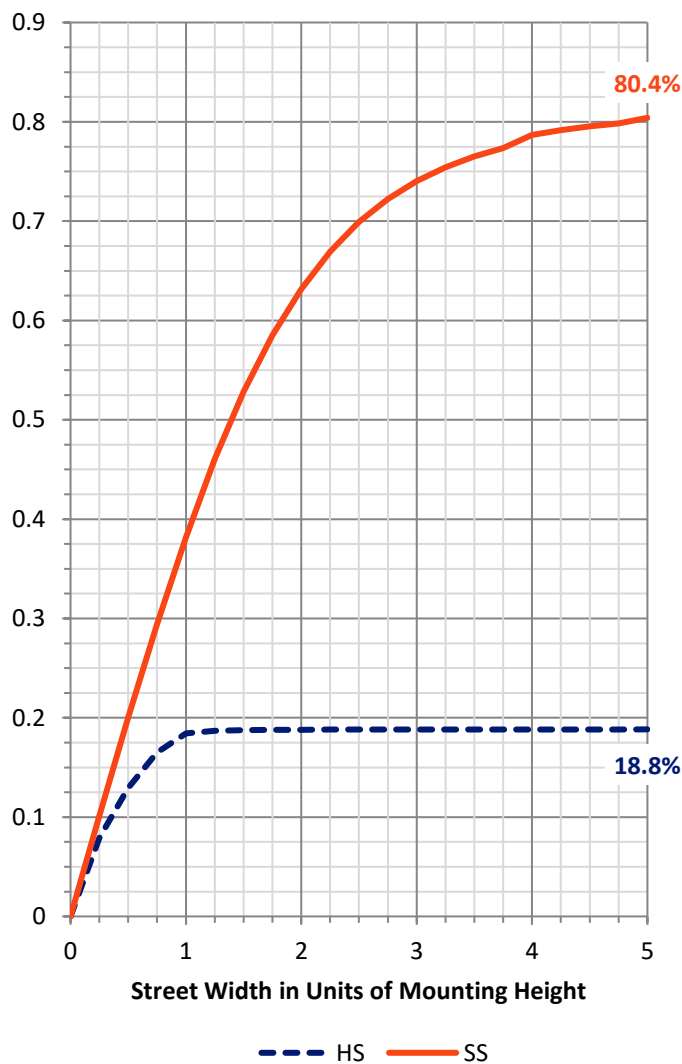
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1281.4	2.4	1283.8
	% Fixture	18.9	0.0	19.0
<b>Street Side</b>	Lumens	5466.9	15.4	5482.3
	% Fixture	80.8	0.2	81.0
<b>Total</b>	Lumens	6748.2	17.8	6766.0
	% Fixture	99.7	0.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	1.4
10°-20°	248.4	3.7
20°-30°	425.9	6.3
30°-40°	720.2	10.6
40°-50°	961.0	14.2
50°-60°	1220.2	18.0
60°-70°	1708.7	25.3
70°-80°	1237.6	18.3
80°-90°	131.9	1.9
90°-100°	14.8	0.2
100°-110°	1.5	0.0
110°-120°	0.6	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6748.2	99.7
0°-180°	6766.0	100.0

**Coefficient of Utilization**



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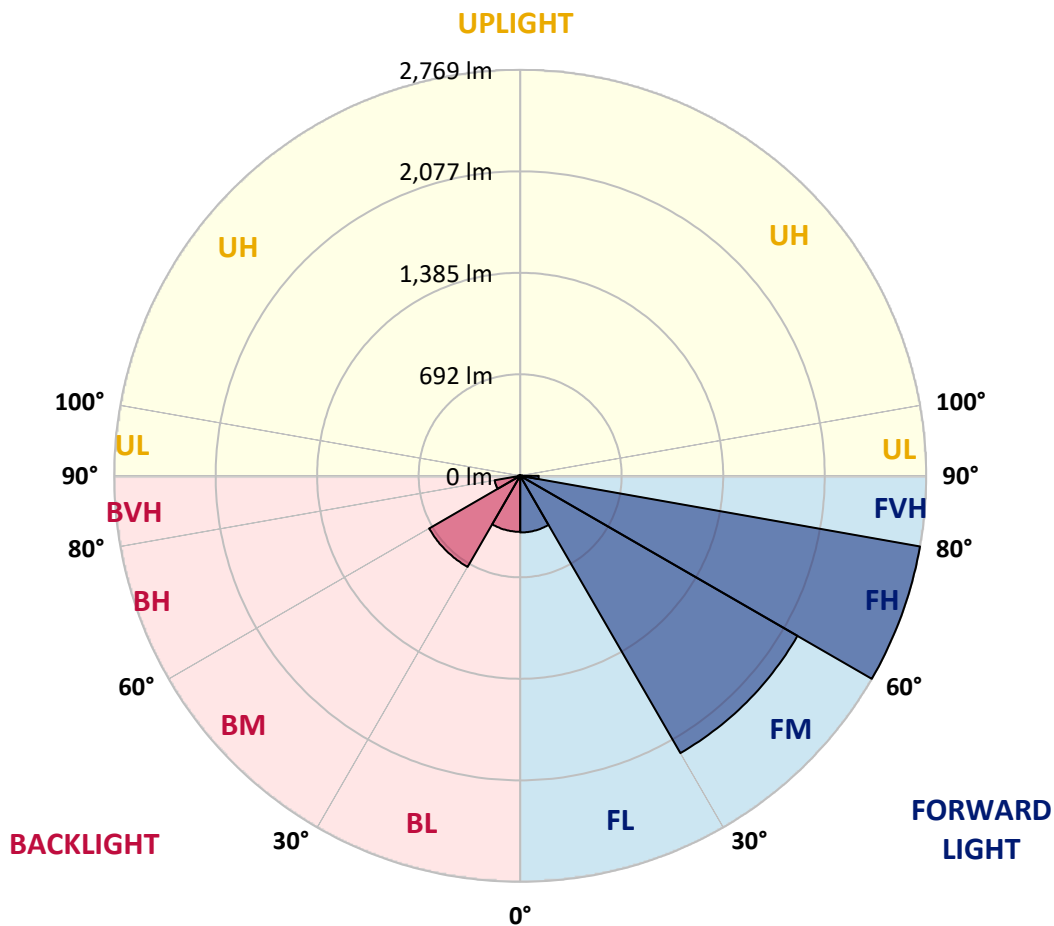
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.7	5.7			
FM (30°-60°)	2183.8	32.3			
FH (60°-80°)	2769.4	40.9			G2/5000
FVH (80°-90°)	127.0	1.9			G2/225
BL (0°-30°)	382.0	5.6	B1/500		
BM (30°-60°)	717.5	10.6	B1/1000		
BH (60°-80°)	176.9	2.6	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	14.8	0.2		U2/50	
UH (100°-180°)	3.0	0.0		U1/10	

**BUG Rating: B1-U2-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1028.7	1032.0	1032.0	1032.0	1035.4	1032.0	1032.0	1032.0	1032.0	1035.4	1035.4
5°	1001.6	1001.6	1001.6	1005.0	1005.0	1001.6	998.2	1001.6	1001.6	1005.0	1005.0
7.5°	967.8	967.8	967.8	971.1	967.8	961.0	954.2	957.6	954.2	957.6	961.0
10°	927.2	930.5	930.5	927.2	923.8	913.6	903.5	906.8	903.5	906.8	906.8
12.5°	900.1	903.5	903.5	900.1	889.9	883.2	876.4	869.6	866.2	873.0	869.6
15°	886.5	889.9	889.9	886.5	879.8	873.0	859.5	856.1	849.3	845.9	849.3
17.5°	883.2	883.2	883.2	879.8	873.0	862.9	856.1	849.3	845.9	845.9	842.6
20°	886.5	893.3	889.9	886.5	879.8	873.0	862.9	852.7	852.7	852.7	849.3
22.5°	913.6	913.6	910.2	910.2	903.5	893.3	883.2	876.4	869.6	869.6	869.6
25°	940.7	944.1	944.1	940.7	930.5	917.0	913.6	903.5	900.1	896.7	893.3
27.5°	984.7	981.3	984.7	984.7	971.1	964.4	954.2	947.5	944.1	937.3	933.9
30°	1035.4	1035.4	1035.4	1035.4	1025.3	1011.7	1005.0	994.8	984.7	984.7	977.9
32.5°	1103.1	1106.5	1106.5	1103.1	1093.0	1079.4	1072.7	1059.1	1055.7	1049.0	1042.2
35°	1197.9	1197.9	1197.9	1191.1	1177.6	1167.4	1160.6	1150.5	1147.1	1136.9	1120.0
37.5°	1302.7	1302.7	1309.5	1302.7	1289.2	1275.7	1265.5	1258.8	1248.6	1241.8	1231.7
40°	1424.6	1424.6	1427.9	1417.8	1404.3	1397.5	1387.3	1373.8	1367.0	1363.7	1343.4
42.5°	1566.7	1573.5	1573.5	1563.3	1553.1	1543.0	1529.5	1519.3	1512.5	1499.0	1471.9
45°	1739.3	1735.9	1742.6	1732.5	1725.7	1722.3	1702.0	1678.3	1681.7	1651.3	1620.8
47.5°	1942.3	1945.7	1942.3	1932.1	1925.4	1922.0	1901.7	1871.2	1857.7	1834.0	1776.5
50°	2148.7	2152.1	2148.7	2141.9	2148.7	2128.4	2104.7	2077.6	2074.2	2043.8	1955.8
52.5°	2375.4	2365.3	2361.9	2358.5	2351.7	2341.6	2317.9	2287.4	2290.8	2257.0	2118.2
55°	2602.1	2592.0	2575.0	2568.3	2561.5	2544.6	2524.3	2514.1	2510.8	2476.9	2290.8
57.5°	2818.7	2801.8	2778.1	2774.7	2764.5	2740.9	2730.7	2713.8	2713.8	2676.6	2416.0
60°	3025.1	3004.8	2977.7	2964.2	2947.3	2927.0	2923.6	2913.4	2916.8	2896.5	2551.4
62.5°	3214.6	3197.7	3163.8	3143.5	3116.4	3099.5	3102.9	3096.1	3109.7	3096.1	2669.8
65°	3444.7	3424.4	3383.8	3339.8	3302.6	3275.5	3265.3	3285.6	3343.2	3356.7	2828.8
67.5°	3590.2	3573.3	3512.3	3458.2	3407.5	3370.2	3380.4	3373.6	3404.1	3458.2	2855.9
70°	3316.1	3309.3	3248.4	3214.6	3177.4	3140.1	3143.5	3133.4	3157.1	3170.6	2619.0
72.5°	2893.1	2927.0	2849.1	2845.7	2822.1	2825.4	2788.2	2815.3	2798.4	2798.4	2317.9
75°	2419.4	2348.3	2324.6	2382.2	2348.3	2351.7	2344.9	2375.4	2372.0	2375.4	2016.7
77.5°	1587.0	1600.5	1570.1	1631.0	1661.4	1712.2	1735.9	1817.1	1786.6	1779.9	1597.1
80°	710.6	727.5	730.9	788.4	825.6	876.4	859.5	917.0	879.8	818.9	781.6
82.5°	159.0	159.0	179.3	230.1	243.6	253.8	253.8	263.9	209.8	128.6	104.9
85°	108.3	104.9	142.1	192.9	203.0	196.3	189.5	176.0	121.8	37.2	30.5
87.5°	71.1	74.4	115.0	159.0	165.8	155.7	145.5	132.0	88.0	10.2	6.8
90°	47.4	54.1	88.0	121.8	121.8	115.0	104.9	88.0	54.1	3.4	3.4
92.5°	23.7	27.1	44.0	54.1	50.8	44.0	40.6	33.8	20.3	3.4	3.4
95°	13.5	13.5	20.3	20.3	20.3	16.9	16.9	13.5	6.8	3.4	3.4
97.5°	10.2	10.2	13.5	13.5	10.2	10.2	10.2	6.8	3.4	3.4	3.4
100°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	3.4
102.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
105°	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4
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	3.4
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	3.4	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	3.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4
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	3.4	0.0	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0	3.4	3.4
175°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
177.5°	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4	3.4	3.4
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°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1038.8	1042.2	1045.6	1052.4	1052.4	1062.5	1065.9	1069.3	1072.7	1072.7
5°	1011.7	1015.1	1025.3	1032.0	1042.2	1049.0	1059.1	1062.5	1065.9	1069.3
7.5°	961.0	967.8	977.9	981.3	994.8	1005.0	1015.1	1025.3	1028.7	1035.4
10°	910.2	913.6	917.0	927.2	933.9	947.5	961.0	967.8	974.5	974.5
12.5°	873.0	876.4	879.8	883.2	893.3	900.1	913.6	920.4	923.8	930.5
15°	849.3	849.3	856.1	856.1	862.9	873.0	879.8	889.9	893.3	900.1
17.5°	842.6	842.6	845.9	849.3	856.1	859.5	866.2	876.4	879.8	883.2
20°	845.9	849.3	849.3	852.7	859.5	862.9	869.6	873.0	876.4	879.8
22.5°	862.9	859.5	862.9	862.9	866.2	873.0	879.8	886.5	889.9	889.9
25°	886.5	883.2	883.2	889.9	893.3	896.7	906.8	910.2	913.6	913.6
27.5°	927.2	923.8	927.2	927.2	930.5	930.5	940.7	940.7	944.1	947.5
30°	967.8	957.6	957.6	957.6	961.0	967.8	971.1	977.9	981.3	981.3
32.5°	1028.7	1008.4	1005.0	1008.4	1008.4	1011.7	1021.9	1018.5	1025.3	1021.9
35°	1106.5	1086.2	1079.4	1079.4	1079.4	1079.4	1089.6	1082.8	1089.6	1086.2
37.5°	1201.2	1174.2	1170.8	1170.8	1164.0	1167.4	1170.8	1164.0	1160.6	1164.0
40°	1302.7	1255.4	1252.0	1255.4	1255.4	1255.4	1255.4	1252.0	1248.6	1252.0
42.5°	1255.4	1065.9	1089.6	1123.4	1157.2	1197.9	1208.0	1235.1	1238.5	1238.5
45°	1096.3	615.8	649.7	700.4	720.7	734.3	771.5	829.0	845.9	849.3
47.5°	967.8	206.4	219.9	240.2	274.1	291.0	294.4	335.0	351.9	318.1
50°	957.6	47.4	33.8	33.8	37.2	30.5	30.5	33.8	33.8	33.8
52.5°	1045.6	44.0	30.5	27.1	27.1	27.1	23.7	27.1	27.1	27.1
55°	1136.9	44.0	30.5	27.1	27.1	27.1	23.7	23.7	23.7	23.7
57.5°	1211.4	44.0	30.5	27.1	27.1	23.7	20.3	20.3	20.3	20.3
60°	1299.4	44.0	30.5	27.1	27.1	20.3	16.9	16.9	16.9	16.9
62.5°	1373.8	47.4	30.5	27.1	23.7	16.9	16.9	16.9	16.9	16.9
65°	1482.1	47.4	30.5	23.7	16.9	13.5	13.5	13.5	13.5	13.5
67.5°	1532.8	47.4	27.1	20.3	13.5	10.2	10.2	10.2	10.2	10.2
70°	1380.6	37.2	20.3	13.5	10.2	10.2	10.2	10.2	10.2	10.2
72.5°	1180.9	27.1	13.5	10.2	6.8	6.8	6.8	6.8	6.8	3.4
75°	940.7	16.9	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0
77.5°	659.8	13.5	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0
80°	274.1	10.2	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.6	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.5	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691830  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.4	3.4	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°	3.4	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	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	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°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.4	3.4	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)