

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: P691856

Luminaire Tested: **CRTK2-C01H-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691856  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-D-U-T2-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8847 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

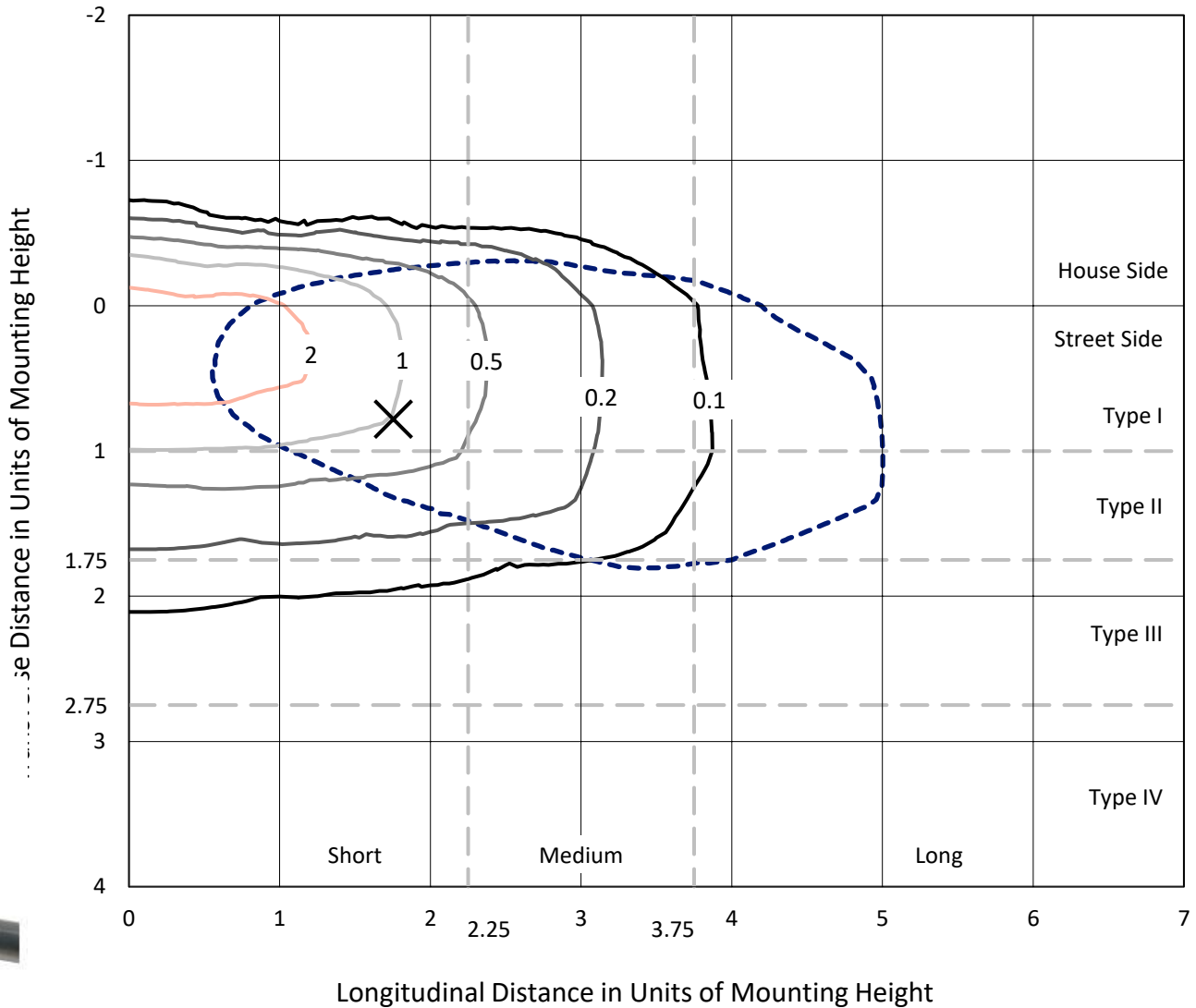
Input Watts (W): 70.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

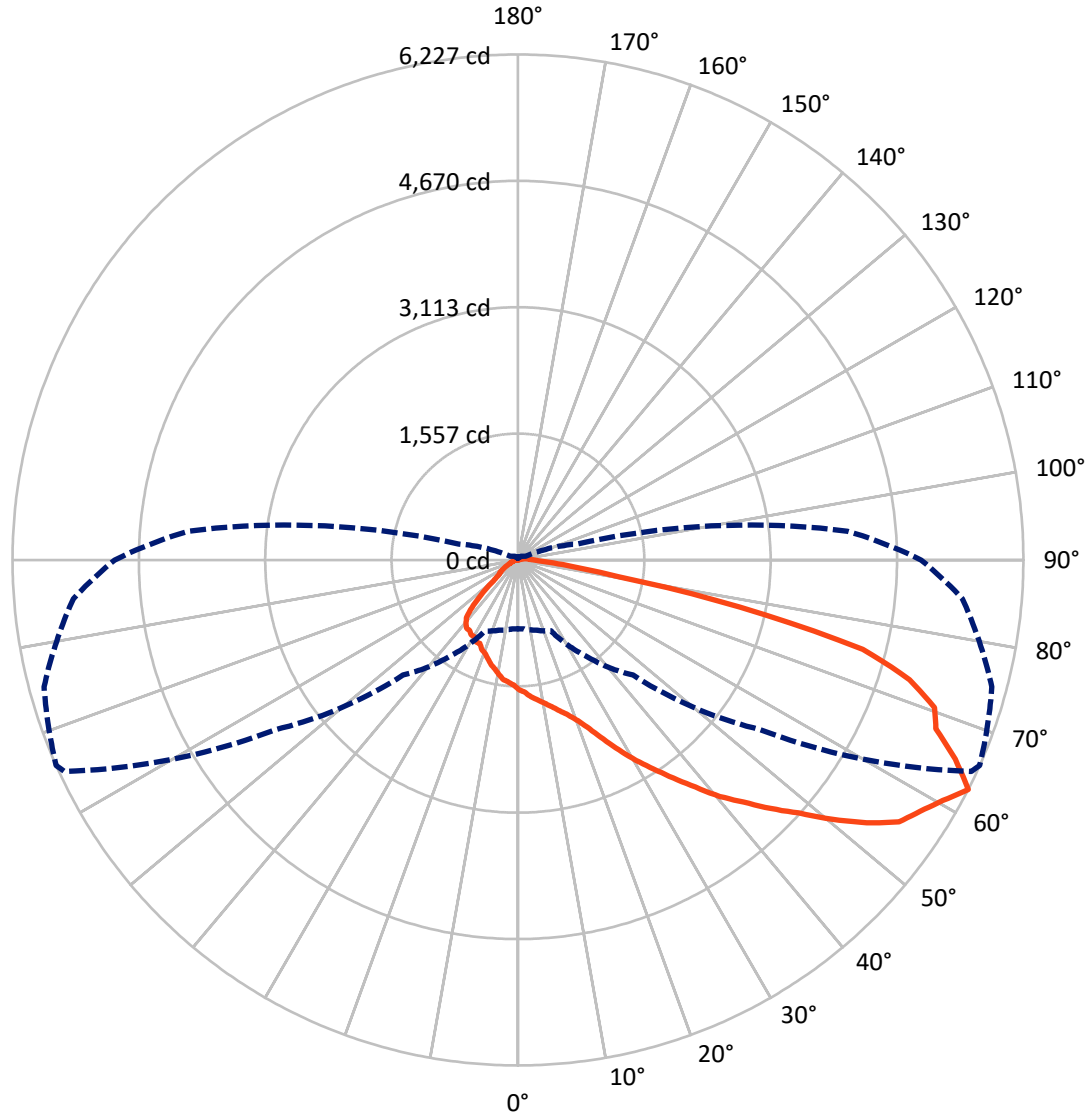
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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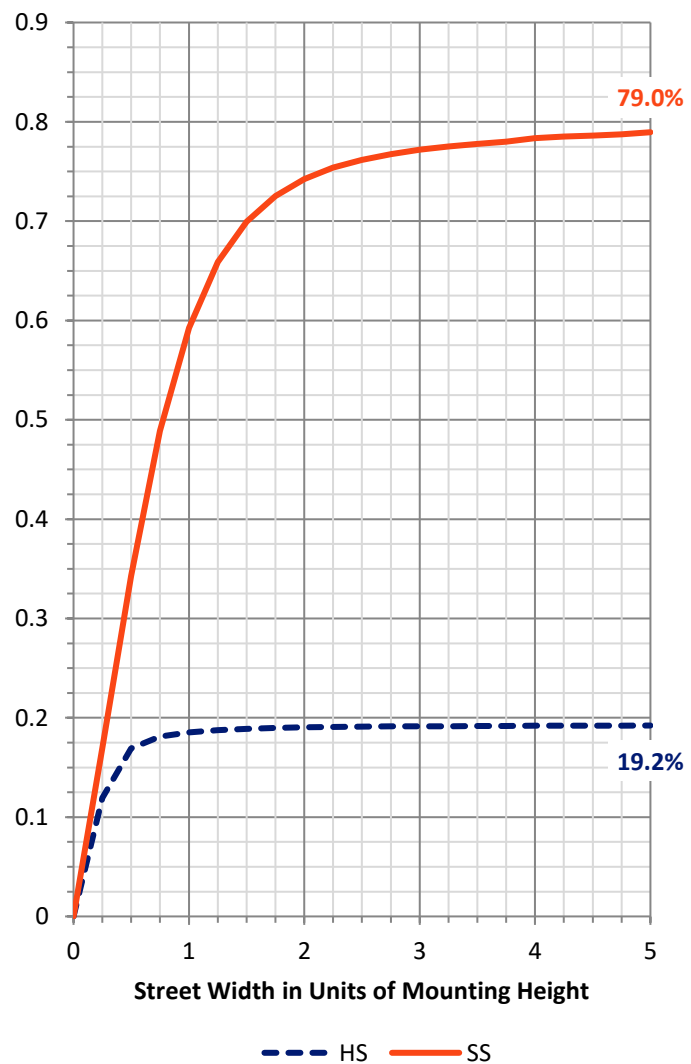
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1724.9	24.4	1749.3
	% Fixture	19.5	0.3	19.8
<b>Street Side</b>	Lumens	7030.3	67.5	7097.8
	% Fixture	79.5	0.8	80.2
<b>Total</b>	Lumens	8755.2	91.8	8847.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.8	1.7
10°-20°	445.2	5.0
20°-30°	749.0	8.5
30°-40°	1113.9	12.6
40°-50°	1473.8	16.7
50°-60°	1716.0	19.4
60°-70°	1713.1	19.4
70°-80°	1149.6	13.0
80°-90°	242.9	2.7
90°-100°	74.0	0.8
100°-110°	12.9	0.1
110°-120°	1.0	0.0
120°-130°	1.1	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8755.2	99.0
0°-180°	8847.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691856

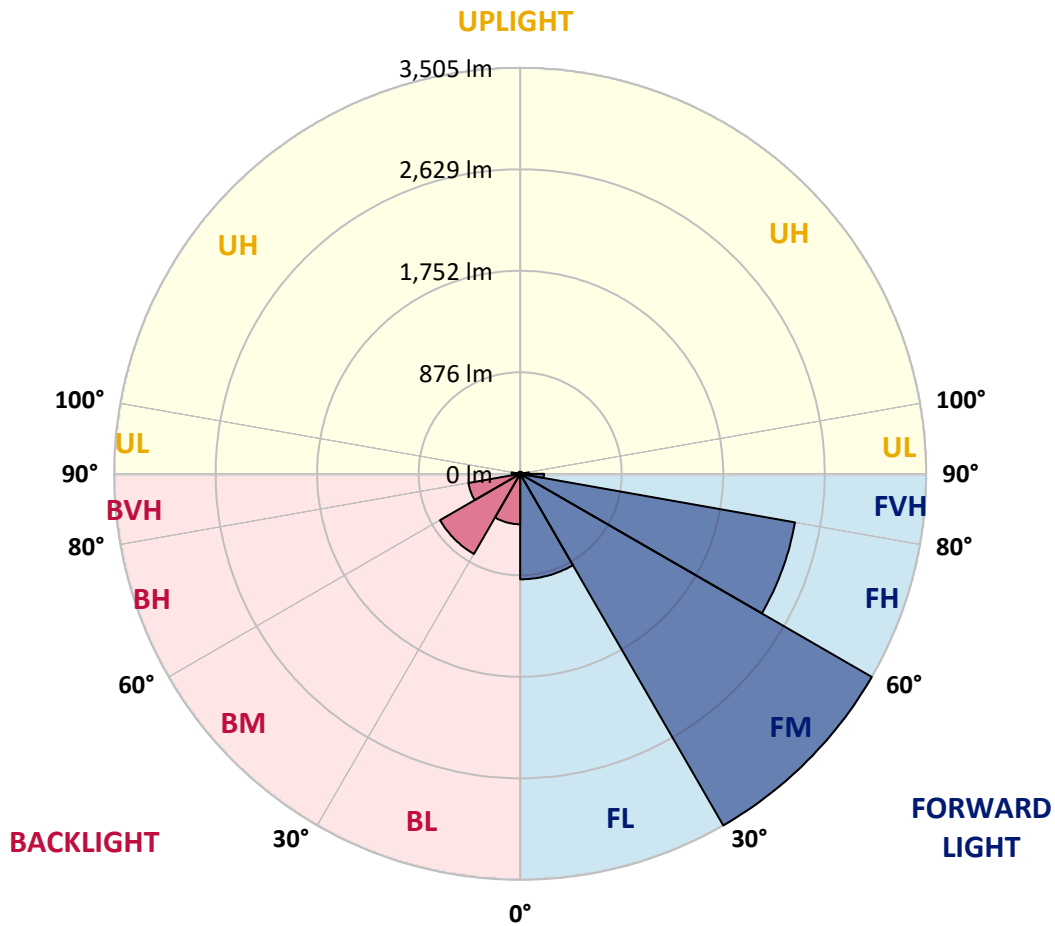
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.8	10.3			
FM (30°-60°)	3504.9	39.6			
FH (60°-80°)	2409.1	27.2			G2/5000
FVH (80°-90°)	205.5	2.3			G2/225
BL (0°-30°)	435.2	4.9	B1/500		
BM (30°-60°)	798.7	9.0	B1/1000		
BH (60°-80°)	453.6	5.1	B1/500		G1/500
BVH (80°-90°)	37.4	0.4			G1/100
UL (90°-100°)	74.0	0.8		U3/500	
UH (100°-180°)	17.9	0.2		U2/50	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4
2.5°	1706.2	1696.4	1699.7	1683.4	1667.0	1657.2	1647.4	1631.1	1631.1	1618.0	1601.7
5°	1827.2	1830.5	1827.2	1807.6	1788.0	1758.5	1722.6	1693.2	1693.2	1663.8	1624.5
7.5°	1908.9	1905.6	1905.6	1882.8	1869.7	1853.3	1810.8	1745.5	1742.2	1703.0	1653.9
10°	1941.6	1944.9	1957.9	1925.2	1912.2	1889.3	1866.4	1801.0	1794.5	1729.1	1650.7
12.5°	2013.5	2016.8	2010.2	1984.1	1967.7	1951.4	1915.4	1859.9	1853.3	1781.4	1673.6
15°	2098.5	2098.5	2088.7	2062.5	2052.7	2029.8	1987.4	1935.1	1928.5	1846.8	1716.1
17.5°	2144.3	2150.8	2150.8	2114.8	2118.1	2108.3	2085.4	2016.8	2007.0	1931.8	1774.9
20°	2167.1	2170.4	2176.9	2176.9	2173.7	2170.4	2183.5	2121.4	2114.8	2026.6	1843.5
22.5°	2232.5	2239.0	2255.4	2245.6	2255.4	2268.5	2271.7	2268.5	2258.7	2163.9	1957.9
25°	2261.9	2281.5	2304.4	2333.8	2363.3	2382.9	2428.6	2451.5	2445.0	2353.4	2137.7
27.5°	2229.2	2248.8	2330.6	2386.1	2477.7	2533.2	2618.2	2654.2	2650.9	2575.7	2324.0
30°	2284.8	2291.3	2327.3	2405.7	2523.4	2677.0	2794.7	2850.3	2863.4	2794.7	2520.1
32.5°	2203.1	2226.0	2327.3	2474.4	2650.9	2814.3	2928.7	3052.9	3069.3	3039.9	2778.4
35°	2196.5	2212.9	2268.5	2428.6	2654.2	2958.2	3115.0	3285.0	3298.1	3307.9	3039.9
37.5°	2105.0	2127.9	2239.0	2441.7	2752.2	3052.9	3271.9	3517.1	3549.8	3589.0	3258.9
40°	2003.7	2020.0	2114.8	2330.6	2729.3	3164.1	3422.3	3798.2	3830.9	3879.9	3549.8
42.5°	1853.3	1889.3	2049.5	2281.5	2716.3	3196.8	3572.7	4046.6	4076.0	4144.7	3794.9
45°	1719.3	1735.7	1859.9	2114.8	2611.7	3255.6	3700.1	4337.5	4366.9	4399.6	3987.8
47.5°	1614.7	1634.3	1752.0	1980.8	2507.1	3242.5	3817.8	4625.2	4657.9	4733.0	4226.4
50°	1281.3	1330.4	1627.8	1850.1	2333.8	3216.4	3919.1	4945.5	5020.7	5050.1	4474.8
52.5°	1101.5	1117.9	1271.5	1732.4	2163.9	3121.6	4007.4	5295.3	5380.2	5324.7	4808.2
55°	1026.4	1036.2	1111.3	1500.3	2010.2	2928.7	4079.3	5631.9	5694.0	5517.5	5053.4
57.5°	970.8	987.1	1019.8	1215.9	1830.5	2605.1	4082.6	5818.2	5841.1	5677.7	5171.0
60°	898.9	905.4	974.1	1059.1	1627.8	2268.5	3971.4	5913.0	6014.4	5864.0	5409.7
62.5°	846.6	853.1	895.6	964.3	1434.9	2003.7	3644.6	6164.7	6226.8	6043.8	5497.9
65°	781.2	791.0	827.0	895.6	1300.9	1843.5	3481.1	6099.3	5919.6	6001.3	5599.2
67.5°	712.6	719.1	758.3	810.6	1108.1	1689.9	3075.8	5684.2	5553.5	5788.8	5327.9
70°	640.7	647.2	683.2	719.1	912.0	1500.3	2562.6	5331.2	5442.3	5455.4	5073.0
72.5°	565.5	572.0	604.7	634.1	755.1	1261.7	2036.4	4978.2	5046.8	4847.4	4481.4
75°	490.3	493.6	519.7	549.1	627.6	1016.6	1457.8	4128.3	4389.8	4631.7	3866.8
77.5°	395.5	402.0	428.2	438.0	503.4	820.4	944.6	2454.8	2798.0	4053.2	3471.3
80°	290.9	294.2	320.3	317.1	375.9	598.2	594.9	1166.9	1255.2	2503.8	2549.6
82.5°	192.9	199.4	222.3	215.7	255.0	362.8	372.6	627.6	670.1	970.8	1117.9
85°	153.6	156.9	170.0	156.9	170.0	183.0	205.9	379.2	385.7	575.3	572.0
87.5°	124.2	127.5	140.6	130.7	134.0	140.6	163.4	241.9	248.4	362.8	375.9
90°	98.1	101.3	117.7	107.9	107.9	117.7	137.3	179.8	189.6	284.4	307.3
92.5°	65.4	65.4	75.2	71.9	71.9	85.0	120.9	134.0	143.8	264.8	277.8
95°	49.0	49.0	52.3	52.3	52.3	62.1	91.5	127.5	140.6	258.2	251.7
97.5°	32.7	32.7	36.0	36.0	36.0	39.2	52.3	104.6	117.7	209.2	205.9
100°	22.9	22.9	22.9	19.6	19.6	19.6	29.4	68.6	78.4	134.0	134.0
102.5°	16.3	13.1	13.1	13.1	9.8	9.8	13.1	32.7	36.0	71.9	68.6
105°	3.3	3.3	6.5	6.5	6.5	3.3	3.3	13.1	13.1	29.4	29.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
167.5°	0.0	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	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4	1598.4
2.5°	1591.8	1582.0	1559.2	1539.5	1523.2	1506.9	1480.7	1470.9	1464.4	1474.2	1474.2
5°	1601.7	1575.5	1536.3	1503.6	1474.2	1438.2	1399.0	1376.1	1356.5	1366.3	1366.3
7.5°	1618.0	1582.0	1533.0	1477.4	1402.3	1340.2	1291.1	1261.7	1245.4	1255.2	1261.7
10°	1608.2	1569.0	1503.6	1418.6	1330.4	1265.0	1202.9	1157.1	1140.8	1134.2	1140.8
12.5°	1618.0	1572.2	1461.1	1359.8	1274.8	1170.2	1095.0	1046.0	1026.4	1026.4	1026.4
15°	1650.7	1582.0	1434.9	1317.3	1186.5	1085.2	1006.8	954.5	947.9	925.0	925.0
17.5°	1696.4	1591.8	1425.1	1251.9	1108.1	1003.5	912.0	859.7	843.3	846.6	846.6
20°	1742.2	1611.5	1405.5	1196.3	1036.2	912.0	817.2	768.1	728.9	715.8	722.4
22.5°	1820.7	1667.0	1389.2	1166.9	954.5	836.8	732.2	650.5	585.1	565.5	555.7
25°	1935.1	1755.3	1412.1	1098.3	905.4	751.8	627.6	513.2	434.7	415.1	411.9
27.5°	2144.3	1892.6	1438.2	1098.3	827.0	676.6	500.1	379.2	317.1	297.4	304.0
30°	2340.4	2078.9	1513.4	1039.4	794.3	542.6	372.6	284.4	228.8	205.9	212.5
32.5°	2503.8	2255.4	1618.0	1026.4	699.5	402.0	271.3	199.4	160.2	147.1	150.4
35°	2739.1	2405.7	1699.7	980.6	575.3	294.2	189.6	140.6	124.2	117.7	117.7
37.5°	2964.7	2588.8	1781.4	970.8	424.9	215.7	127.5	114.4	111.1	101.3	101.3
40°	3180.4	2775.1	1817.4	915.2	300.7	140.6	107.9	104.6	101.3	91.5	91.5
42.5°	3445.2	2954.9	1850.1	843.3	209.2	104.6	94.8	98.1	94.8	85.0	81.7
45°	3647.8	3075.8	1859.9	660.3	134.0	98.1	88.3	91.5	88.3	78.4	78.4
47.5°	3817.8	3239.3	1820.7	451.1	111.1	91.5	81.7	85.0	81.7	75.2	71.9
50°	3991.1	3389.6	1784.7	241.9	104.6	88.3	78.4	71.9	75.2	68.6	65.4
52.5°	4226.4	3500.8	1689.9	147.1	98.1	81.7	71.9	65.4	65.4	58.8	62.1
55°	4550.0	3775.3	1513.4	137.3	94.8	78.4	68.6	58.8	58.8	52.3	52.3
57.5°	4693.8	3883.2	1229.0	124.2	91.5	78.4	62.1	52.3	45.8	42.5	39.2
60°	4870.3	4043.4	967.5	114.4	85.0	75.2	55.6	45.8	36.0	32.7	32.7
62.5°	4968.4	4076.0	755.1	104.6	81.7	65.4	49.0	36.0	29.4	22.9	22.9
65°	5017.4	4053.2	503.4	94.8	75.2	62.1	42.5	29.4	19.6	16.3	16.3
67.5°	4831.1	3932.2	290.9	88.3	71.9	55.6	36.0	22.9	16.3	13.1	9.8
70°	4514.0	3579.2	183.0	78.4	68.6	49.0	32.7	19.6	13.1	9.8	6.5
72.5°	4141.4	2922.2	134.0	71.9	65.4	42.5	26.1	16.3	9.8	6.5	6.5
75°	3781.9	2546.3	114.4	62.1	55.6	36.0	22.9	13.1	9.8	6.5	3.3
77.5°	2706.5	1735.7	101.3	55.6	49.0	29.4	16.3	13.1	6.5	3.3	3.3
80°	1922.0	1019.8	91.5	45.8	39.2	22.9	16.3	9.8	6.5	3.3	3.3
82.5°	921.8	529.5	88.3	39.2	29.4	19.6	13.1	9.8	6.5	3.3	3.3
85°	418.4	225.5	65.4	36.0	26.1	19.6	13.1	9.8	6.5	6.5	3.3
87.5°	255.0	117.7	52.3	29.4	19.6	16.3	9.8	6.5	6.5	6.5	6.5
90°	238.6	153.6	39.2	22.9	16.3	13.1	9.8	3.3	0.0	0.0	0.0
92.5°	228.8	176.5	29.4	16.3	9.8	9.8	3.3	0.0	0.0	0.0	0.0
95°	215.7	166.7	32.7	9.8	16.3	6.5	3.3	0.0	0.0	0.0	0.0
97.5°	170.0	130.7	36.0	9.8	81.7	6.5	3.3	0.0	0.0	0.0	0.0
100°	107.9	81.7	26.1	9.8	98.1	6.5	0.0	0.0	0.0	0.0	0.0
102.5°	62.1	45.8	13.1	9.8	29.4	3.3	0.0	0.0	0.0	0.0	0.0
105°	26.1	22.9	6.5	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691856  
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	6.5	3.3	3.3	3.3	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	6.5	3.3	3.3	3.3	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.3	3.3	3.3	3.3	3.3	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	0.0

(END OF REPORT)