

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: P691796

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-5TLD-U-T3-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

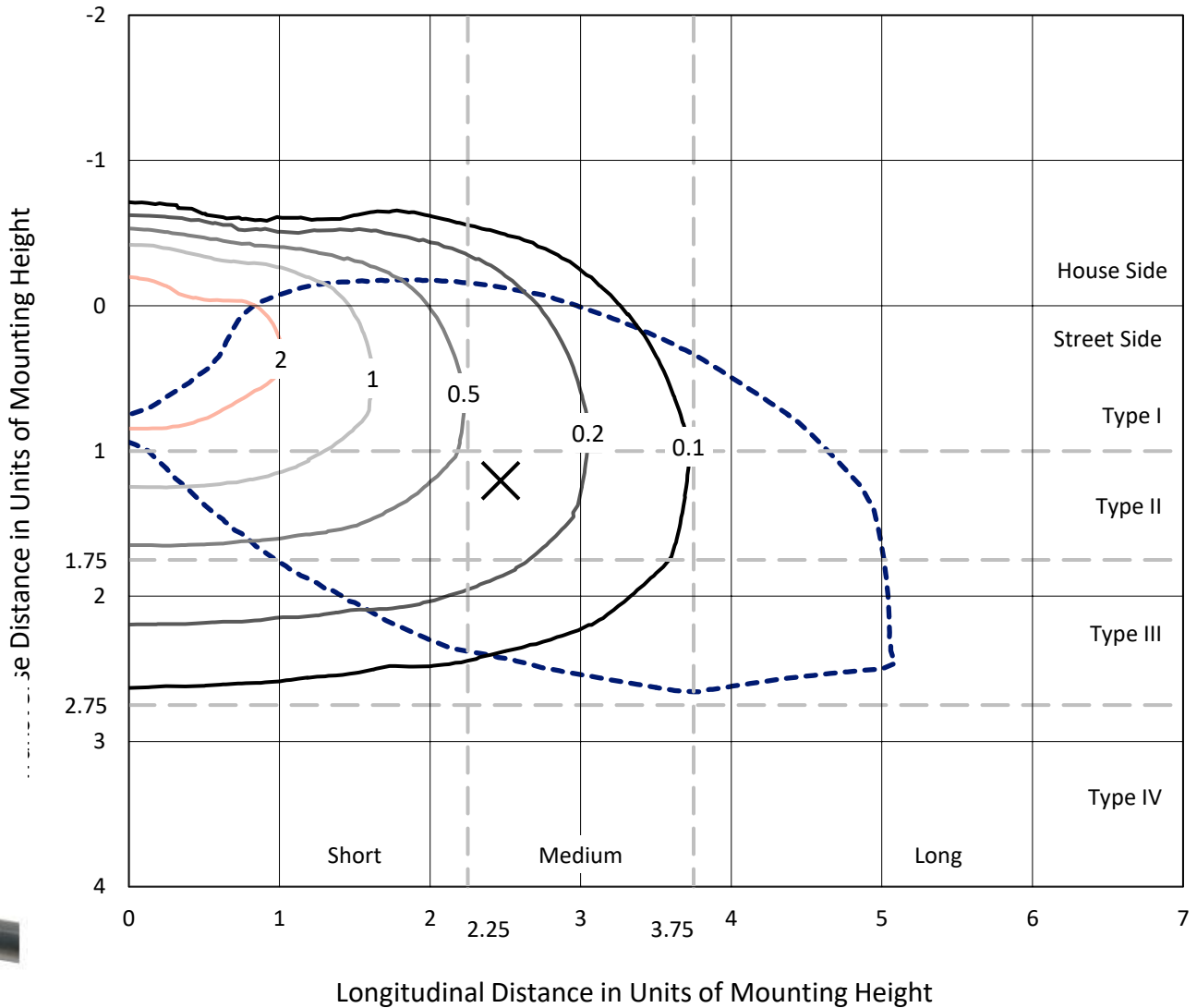
Lumens per Lamp: N/A  
Luminaire Lumens: 9455 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): 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

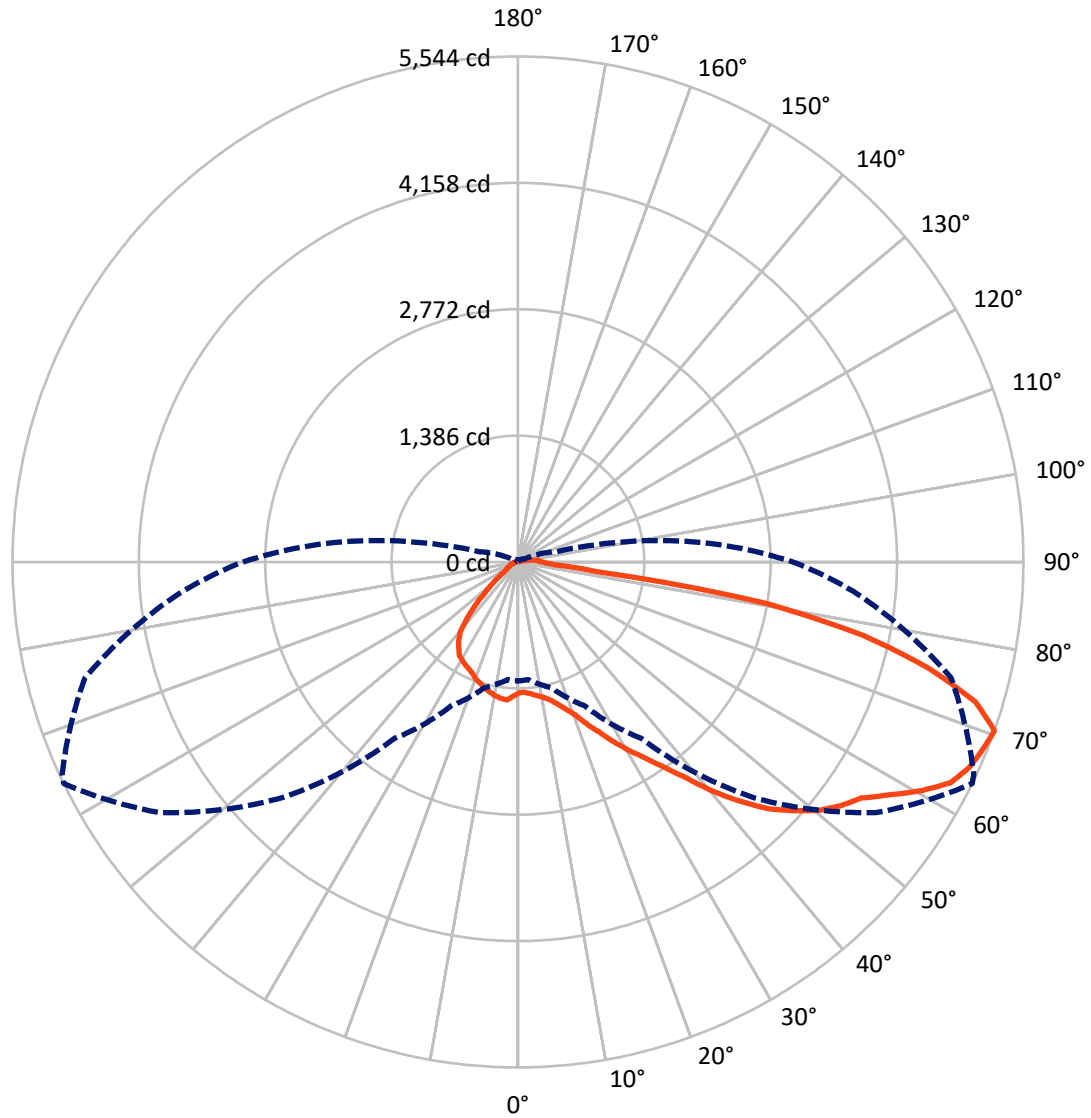
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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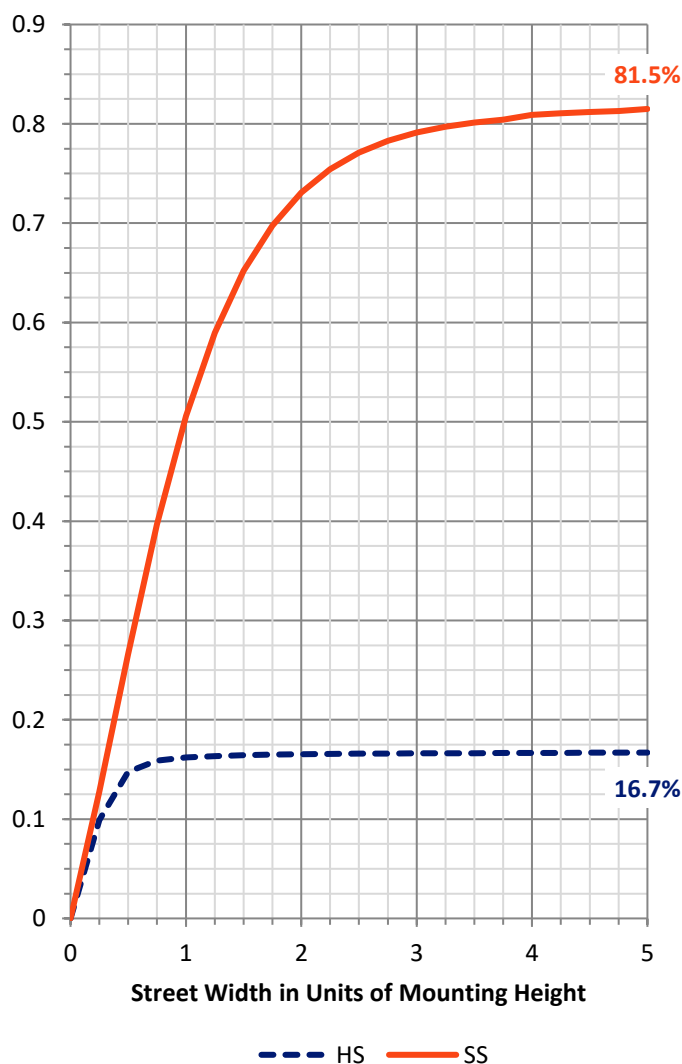
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1603.5	19.5	1623.0
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	7752.2	79.7	7832.0
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	9355.8	99.2	9455.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.1	1.5
10°-20°	435.8	4.6
20°-30°	753.3	8.0
30°-40°	1117.8	11.8
40°-50°	1535.5	16.2
50°-60°	1864.7	19.7
60°-70°	1981.1	21.0
70°-80°	1308.8	13.8
80°-90°	216.7	2.3
90°-100°	80.8	0.9
100°-110°	13.6	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°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9355.8	99.0
0°-180°	9455.0	100.0

**Coefficient of Utilization**



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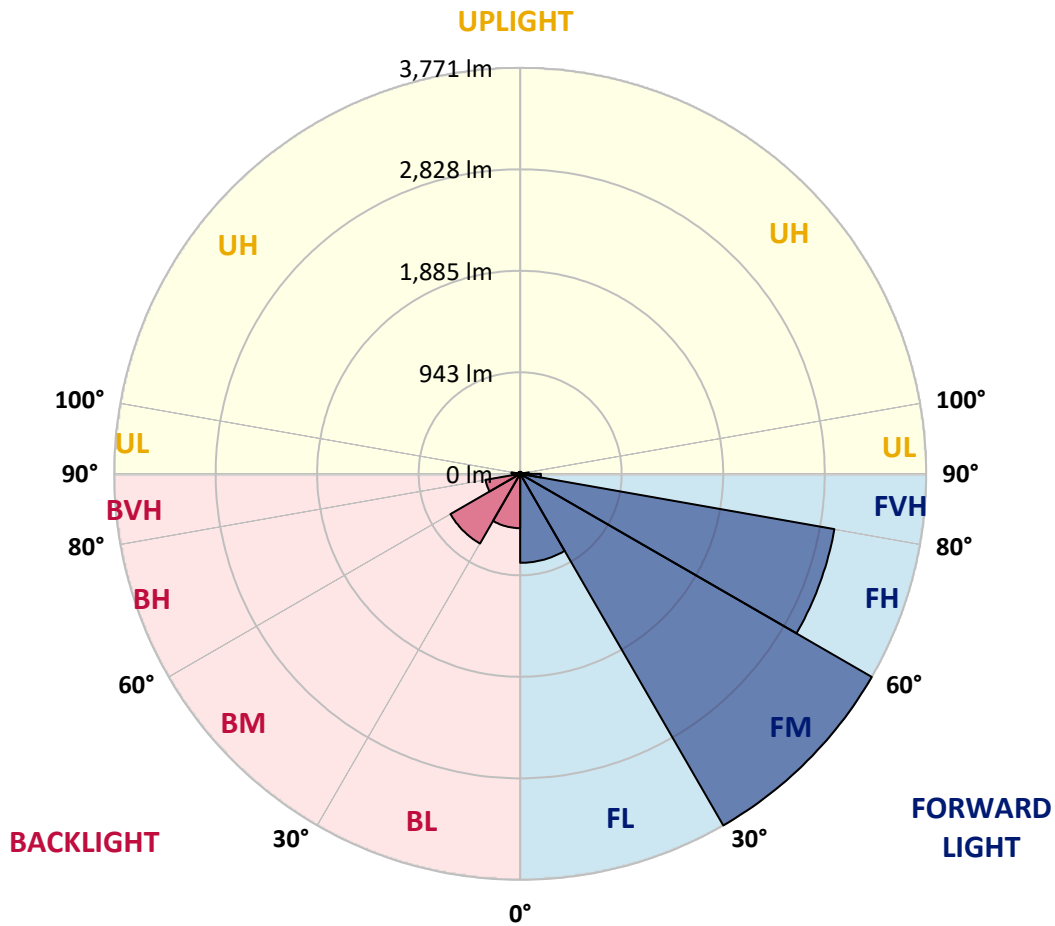
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.5	8.7			
FM (30°-60°)	3770.5	39.9			
FH (60°-80°)	2962.9	31.3			G2/5000
FVH (80°-90°)	192.4	2.0			G2/225
BL (0°-30°)	504.8	5.3	B2/1000		
BM (30°-60°)	747.5	7.9	B1/1000		
BH (60°-80°)	327.0	3.5	B1/500		G1/500
BVH (80°-90°)	24.3	0.3			G1/100
UL (90°-100°)	80.8	0.9		U3/500	
UH (100°-180°)	18.5	0.2		U2/50	

**BUG Rating: B2-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3
2.5°	1444.4	1441.0	1444.4	1441.0	1437.7	1434.3	1430.9	1430.9	1427.5	1430.9	1434.3
5°	1508.7	1512.1	1505.3	1491.8	1474.9	1461.3	1454.6	1451.2	1451.2	1454.6	1468.1
7.5°	1556.1	1552.7	1549.3	1545.9	1532.4	1501.9	1485.0	1478.3	1478.3	1471.5	1495.2
10°	1640.6	1633.9	1616.9	1596.6	1583.1	1549.3	1518.8	1508.7	1505.3	1508.7	1529.0
12.5°	1732.0	1725.2	1721.8	1701.5	1654.2	1623.7	1573.0	1549.3	1549.3	1549.3	1559.4
15°	1863.9	1853.7	1819.9	1796.2	1755.6	1704.9	1647.4	1613.6	1613.6	1620.3	1593.3
17.5°	1958.6	1951.8	1948.4	1907.9	1874.0	1796.2	1752.3	1694.7	1694.7	1708.3	1650.8
20°	2056.7	2049.9	2053.3	2046.5	1995.8	1934.9	1857.1	1789.5	1789.5	1792.8	1711.7
22.5°	2188.6	2178.5	2178.5	2175.1	2148.0	2077.0	1985.7	1928.2	1918.0	1890.9	1789.5
25°	2320.5	2317.2	2310.4	2313.8	2307.0	2225.8	2127.7	2063.5	2063.5	2026.3	1894.3
27.5°	2452.5	2452.5	2449.1	2452.5	2449.1	2398.4	2300.3	2232.6	2236.0	2188.6	2009.3
30°	2547.2	2543.8	2567.5	2577.6	2584.4	2564.1	2469.4	2395.0	2401.7	2354.4	2144.6
32.5°	2635.1	2631.8	2672.4	2696.0	2702.8	2699.4	2621.6	2560.7	2577.6	2533.7	2307.0
35°	2716.3	2712.9	2767.1	2828.0	2855.0	2848.3	2797.5	2763.7	2780.6	2777.2	2526.9
37.5°	2777.2	2787.4	2858.4	2943.0	2990.3	2993.7	2970.0	3007.2	3027.5	3095.2	2800.9
40°	2848.3	2848.3	2915.9	3007.2	3091.8	3125.6	3145.9	3315.1	3335.4	3348.9	2983.6
42.5°	2773.8	2794.1	2939.6	3074.9	3183.1	3260.9	3372.6	3592.5	3636.4	3534.9	3206.8
45°	2716.3	2733.2	2882.1	3108.7	3264.3	3409.8	3619.5	3863.1	3896.9	3721.0	3325.2
47.5°	2655.4	2682.5	2834.7	3085.0	3342.1	3592.5	3825.9	4076.2	4106.6	3880.0	3491.0
50°	2584.4	2614.8	2777.2	3051.2	3382.7	3765.0	4011.9	4282.5	4285.9	4018.7	3582.3
52.5°	2516.7	2537.0	2706.2	3007.2	3416.6	3896.9	4187.8	4438.1	4417.8	4194.6	3680.4
55°	2401.7	2442.3	2621.6	2946.4	3433.5	3971.3	4309.6	4570.1	4583.6	4384.0	3812.3
57.5°	2296.9	2323.9	2513.4	2858.4	3419.9	4015.3	4428.0	4817.0	4844.1	4553.1	3907.0
60°	2164.9	2181.9	2364.5	2736.6	3332.0	4089.7	4691.8	5091.0	5121.4	4715.5	3944.3
62.5°	1999.2	1999.2	2181.9	2574.3	3220.4	4143.8	4874.5	5327.8	5327.8	4844.1	3957.8
65°	1786.1	1796.2	1958.6	2354.4	3034.3	4113.4	4928.6	5439.4	5449.6	4935.4	3951.0
67.5°	1579.7	1576.3	1718.4	2066.8	2753.5	3954.4	4888.0	5496.9	5537.5	4989.5	3863.1
70°	1305.7	1295.6	1427.5	1742.1	2361.1	3653.3	4793.3	5544.3	5517.2	4918.5	3690.6
72.5°	1004.7	994.5	1092.6	1332.8	1860.5	3135.8	4515.9	5246.6	5199.2	4532.8	3335.4
75°	713.8	700.2	778.0	937.0	1224.5	2293.5	3873.2	4654.6	4600.5	4076.2	2784.0
77.5°	405.9	392.4	463.4	592.0	740.8	1299.0	2932.8	3880.0	3954.4	3362.4	2127.7
80°	179.3	172.5	203.0	284.1	416.1	619.0	1596.6	2773.8	2672.4	2293.5	1211.0
82.5°	152.2	152.2	155.6	162.4	169.1	284.1	598.7	872.7	835.5	673.2	385.6
85°	131.9	128.5	135.3	142.1	145.5	186.0	348.4	419.5	412.7	372.1	267.2
87.5°	108.2	101.5	111.6	118.4	118.4	152.2	260.5	307.8	307.8	311.2	236.8
90°	94.7	94.7	88.0	88.0	91.3	108.2	199.6	253.7	260.5	321.4	274.0
92.5°	81.2	81.2	81.2	81.2	67.7	77.8	142.1	226.6	243.6	314.6	246.9
95°	77.8	74.4	77.8	71.0	67.7	71.0	108.2	199.6	219.9	277.4	216.5
97.5°	54.1	50.7	57.5	57.5	60.9	64.3	91.3	148.8	155.6	206.3	162.4
100°	37.2	33.8	33.8	33.8	44.0	44.0	74.4	91.3	94.7	131.9	108.2
102.5°	20.3	16.9	16.9	16.9	23.7	27.1	37.2	50.7	50.7	71.0	60.9
105°	6.8	6.8	10.1	10.1	10.1	13.5	13.5	16.9	16.9	20.3	27.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
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	3.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3	1434.3
2.5°	1437.7	1444.4	1461.3	1471.5	1485.0	1498.5	1508.7	1508.7	1518.8	1512.1	1508.7
5°	1481.6	1485.0	1505.3	1518.8	1515.5	1501.9	1491.8	1485.0	1488.4	1495.2	1495.2
7.5°	1512.1	1525.6	1508.7	1508.7	1505.3	1488.4	1468.1	1447.8	1437.7	1434.3	1434.3
10°	1529.0	1515.5	1508.7	1491.8	1454.6	1444.4	1427.5	1390.3	1380.2	1380.2	1366.6
12.5°	1539.1	1532.4	1495.2	1464.7	1430.9	1376.8	1339.6	1332.8	1302.3	1299.0	1302.3
15°	1579.7	1545.9	1498.5	1441.0	1376.8	1329.4	1278.7	1224.5	1200.9	1204.2	1207.6
17.5°	1606.8	1576.3	1491.8	1400.4	1342.9	1255.0	1197.5	1167.0	1129.8	1129.8	1129.8
20°	1650.8	1600.0	1481.6	1383.5	1248.2	1184.0	1116.3	1082.5	1045.3	981.0	974.2
22.5°	1708.3	1644.0	1478.3	1332.8	1211.0	1106.2	1008.1	903.2	849.1	811.9	801.7
25°	1779.3	1704.9	1501.9	1309.1	1140.0	1011.4	886.3	744.2	642.7	622.4	622.4
27.5°	1901.1	1782.7	1532.4	1285.4	1099.4	906.6	710.4	585.2	497.3	470.2	466.8
30°	2019.5	1880.8	1542.5	1261.8	1021.6	764.5	548.0	416.1	338.3	304.4	297.7
32.5°	2205.5	2016.1	1630.5	1241.5	933.6	615.7	389.0	263.9	199.6	179.3	175.9
35°	2395.0	2198.8	1660.9	1187.3	774.6	449.9	223.3	142.1	108.2	91.3	88.0
37.5°	2638.5	2428.8	1752.3	1129.8	615.7	257.1	125.2	77.8	67.7	67.7	67.7
40°	2780.6	2530.3	1833.4	1055.4	422.8	131.9	74.4	60.9	60.9	57.5	57.5
42.5°	2963.3	2655.4	1904.5	910.0	223.3	81.2	64.3	57.5	50.7	50.7	50.7
45°	3068.1	2736.6	1880.8	730.7	104.9	74.4	60.9	50.7	47.4	47.4	47.4
47.5°	3196.7	2838.1	1830.1	541.2	91.3	67.7	57.5	47.4	44.0	47.4	47.4
50°	3325.2	2939.6	1701.5	416.1	84.6	64.3	50.7	40.6	40.6	44.0	44.0
52.5°	3389.5	3010.6	1549.3	287.5	84.6	60.9	47.4	40.6	37.2	37.2	37.2
55°	3463.9	3027.5	1420.7	189.4	81.2	57.5	44.0	33.8	33.8	30.4	30.4
57.5°	3504.5	2983.6	1326.0	159.0	77.8	54.1	40.6	30.4	27.1	23.7	23.7
60°	3487.6	2919.3	1244.8	138.7	71.0	50.7	37.2	27.1	20.3	16.9	16.9
62.5°	3453.8	2865.2	1096.0	121.8	67.7	44.0	30.4	23.7	16.9	13.5	13.5
65°	3416.6	2719.7	923.5	104.9	60.9	40.6	27.1	20.3	13.5	10.1	10.1
67.5°	3244.0	2526.9	676.5	94.7	57.5	37.2	23.7	16.9	13.5	10.1	10.1
70°	3017.4	2205.5	436.4	81.2	50.7	33.8	23.7	13.5	10.1	6.8	6.8
72.5°	2567.5	1799.6	219.9	71.0	47.4	33.8	20.3	13.5	10.1	6.8	3.4
75°	2097.3	1342.9	142.1	60.9	44.0	33.8	20.3	13.5	6.8	3.4	3.4
77.5°	1501.9	727.3	108.2	54.1	37.2	33.8	16.9	10.1	6.8	6.8	3.4
80°	625.8	263.9	88.0	44.0	33.8	30.4	16.9	10.1	6.8	6.8	3.4
82.5°	263.9	182.7	77.8	37.2	30.4	30.4	13.5	10.1	6.8	6.8	6.8
85°	206.3	152.2	67.7	33.8	27.1	33.8	13.5	10.1	10.1	10.1	10.1
87.5°	192.8	155.6	60.9	30.4	27.1	23.7	13.5	10.1	16.9	16.9	20.3
90°	216.5	162.4	47.4	27.1	23.7	20.3	10.1	6.8	6.8	0.0	0.0
92.5°	199.6	148.8	33.8	20.3	30.4	13.5	6.8	0.0	0.0	0.0	0.0
95°	172.5	125.2	20.3	13.5	33.8	16.9	3.4	0.0	0.0	0.0	0.0
97.5°	128.5	91.3	13.5	6.8	27.1	20.3	3.4	0.0	0.0	0.0	0.0
100°	91.3	57.5	10.1	6.8	16.9	20.3	3.4	0.0	0.0	0.0	0.0
102.5°	50.7	30.4	6.8	3.4	6.8	6.8	0.0	0.0	0.0	0.0	0.0
105°	23.7	10.1	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691796  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
130°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
135°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
140°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.4	3.4	3.4	3.4	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

(END OF REPORT)