

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: P691980

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691980  
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-C01HO-D-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: 10815 lumens  
Efficiency: N/A  
Efficacy: 136.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G2

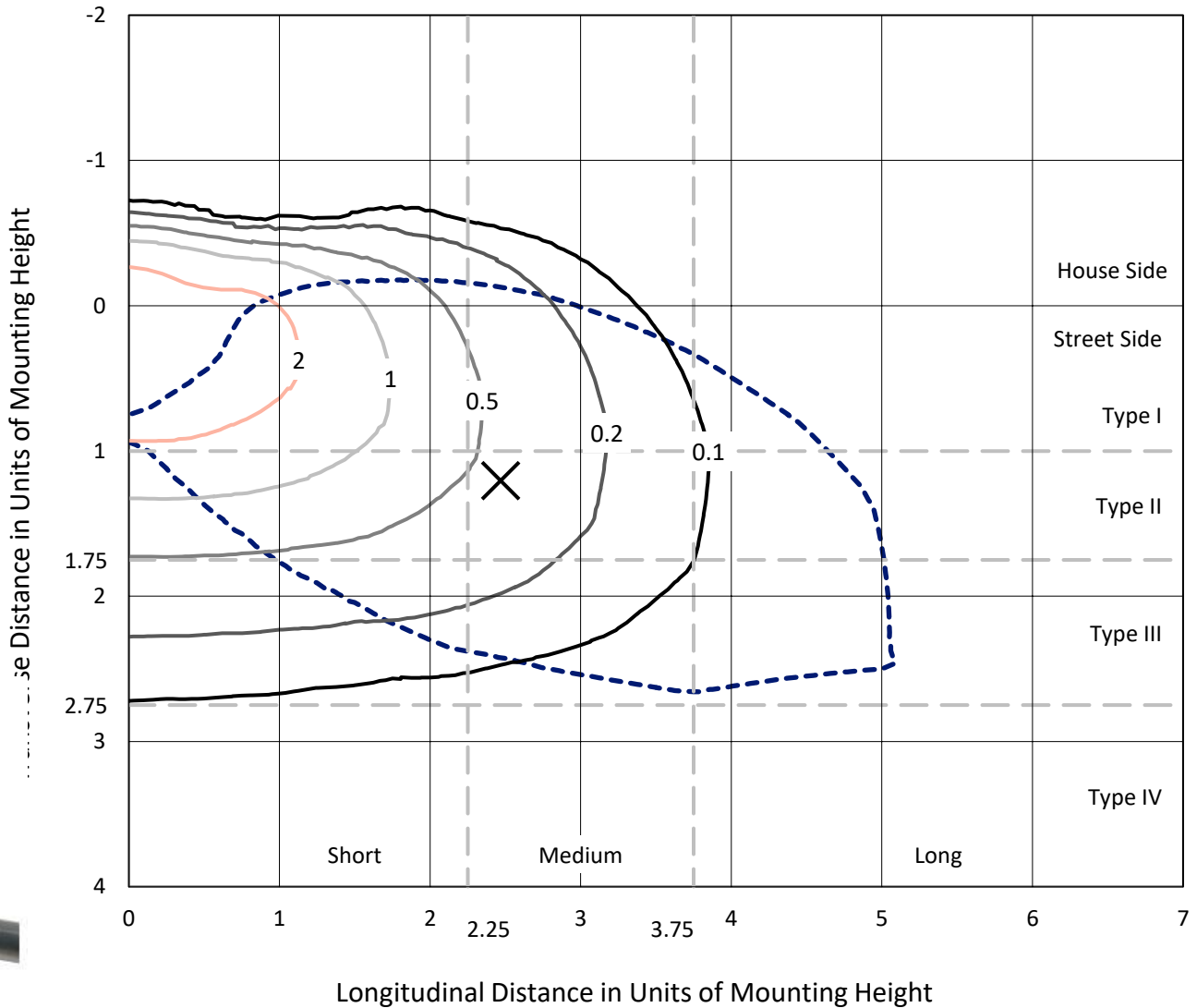
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

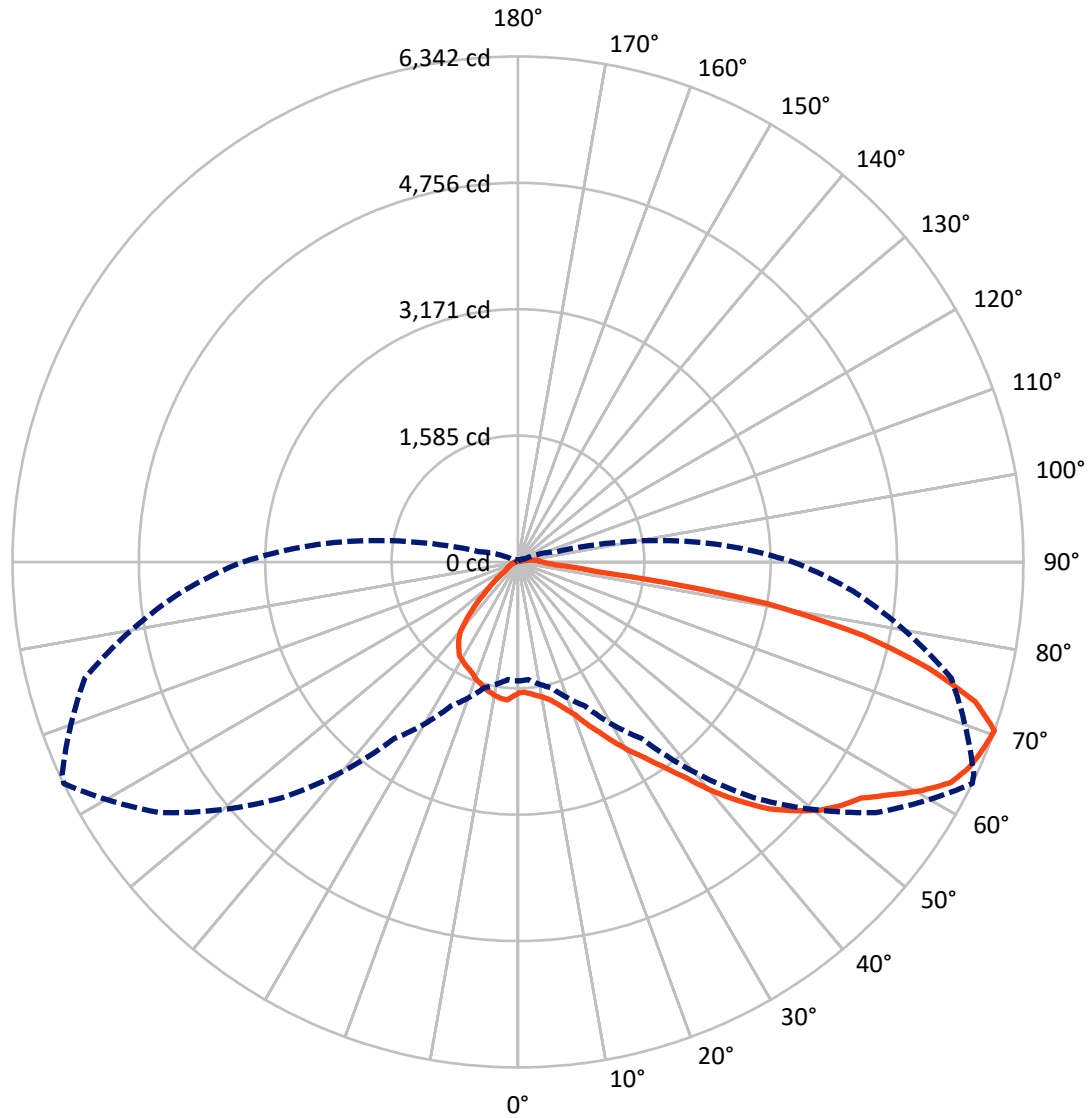
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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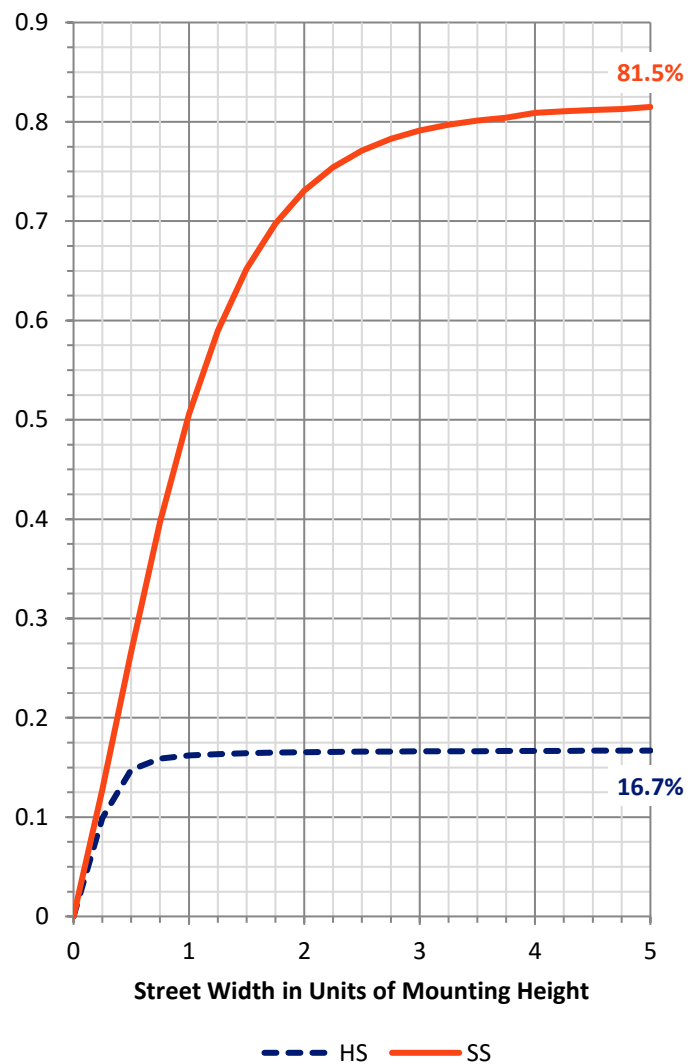
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1834.2	22.3	1856.5
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	8867.3	91.2	8958.5
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	10701.5	113.5	10815.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.6	1.5
10°-20°	498.5	4.6
20°-30°	861.6	8.0
30°-40°	1278.6	11.8
40°-50°	1756.3	16.2
50°-60°	2132.9	19.7
60°-70°	2266.0	21.0
70°-80°	1497.1	13.8
80°-90°	247.9	2.3
90°-100°	92.4	0.9
100°-110°	15.6	0.1
110°-120°	1.2	0.0
120°-130°	1.2	0.0
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	10701.5	99.0
0°-180°	10815.0	100.0

**Coefficient of Utilization**



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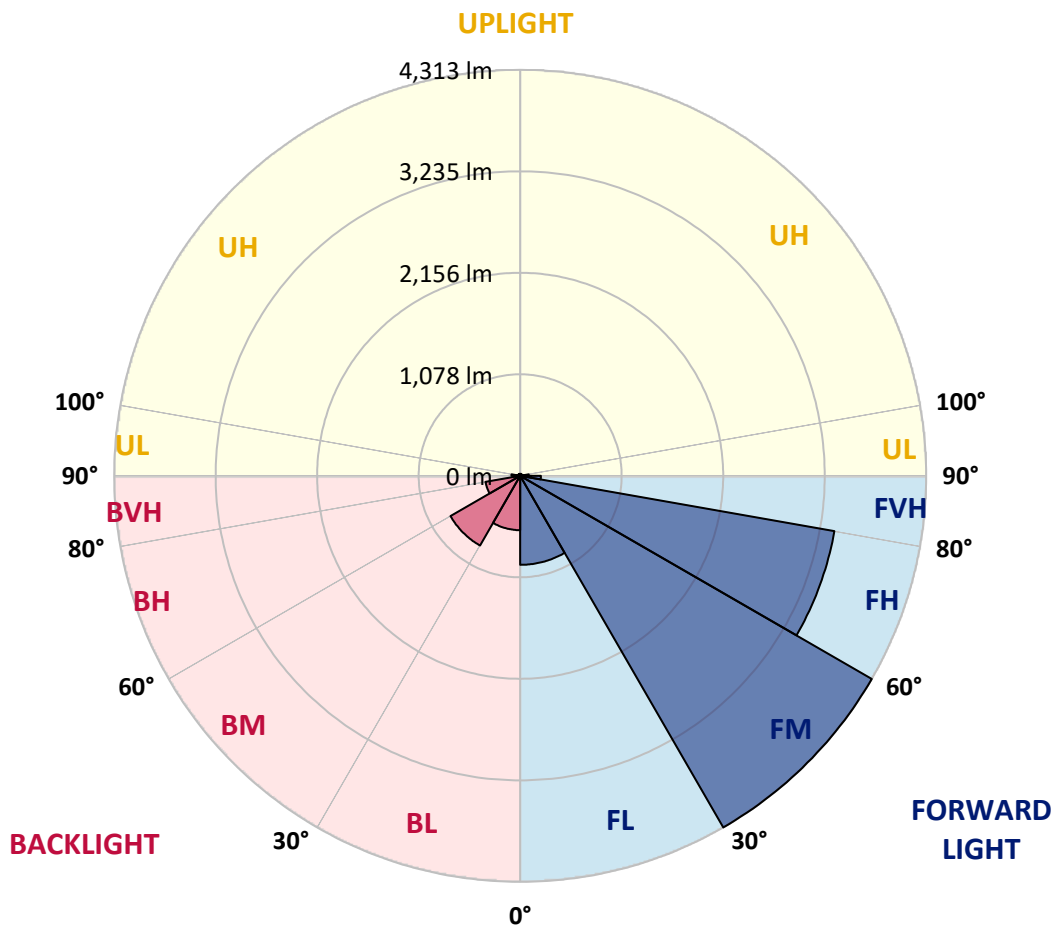
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	945.3	8.7			
FM (30°-60°)	4312.9	39.9			
FH (60°-80°)	3389.1	31.3			G2/5000
FVH (80°-90°)	220.1	2.0			G2/225
BL (0°-30°)	577.4	5.3	B2/1000		
BM (30°-60°)	855.0	7.9	B1/1000		
BH (60°-80°)	374.0	3.5	B1/500		G1/500
BVH (80°-90°)	27.8	0.3			G1/100
UL (90°-100°)	92.4	0.9		U3/500	
UH (100°-180°)	21.1	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°	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6
2.5°	1652.2	1648.3	1652.2	1648.3	1644.4	1640.6	1636.7	1636.7	1632.8	1636.7	1640.6
5°	1725.7	1729.6	1721.8	1706.4	1687.0	1671.5	1663.8	1659.9	1659.9	1663.8	1679.3
7.5°	1779.9	1776.0	1772.1	1768.3	1752.8	1718.0	1698.6	1690.9	1690.9	1683.1	1710.2
10°	1876.6	1868.9	1849.5	1826.3	1810.8	1772.1	1737.3	1725.7	1721.8	1725.7	1748.9
12.5°	1981.1	1973.3	1969.5	1946.3	1892.1	1857.3	1799.2	1772.1	1772.1	1772.1	1783.7
15°	2132.0	2120.4	2081.7	2054.6	2008.2	1950.1	1884.3	1845.7	1845.7	1853.4	1822.4
17.5°	2240.3	2232.6	2228.7	2182.3	2143.6	2054.6	2004.3	1938.5	1938.5	1954.0	1888.2
20°	2352.5	2344.8	2348.7	2340.9	2282.9	2213.2	2124.2	2046.9	2046.9	2050.7	1957.9
22.5°	2503.4	2491.8	2491.8	2488.0	2457.0	2375.7	2271.3	2205.5	2193.9	2162.9	2046.9
25°	2654.3	2650.5	2642.7	2646.6	2638.9	2546.0	2433.8	2360.3	2360.3	2317.7	2166.8
27.5°	2805.2	2805.2	2801.4	2805.2	2801.4	2743.3	2631.1	2553.7	2557.6	2503.4	2298.4
30°	2913.6	2909.7	2936.8	2948.4	2956.1	2932.9	2824.6	2739.5	2747.2	2693.0	2453.1
32.5°	3014.2	3010.3	3056.7	3083.8	3091.6	3087.7	2998.7	2929.1	2948.4	2898.1	2638.9
35°	3107.0	3103.2	3165.1	3234.7	3265.7	3257.9	3199.9	3161.2	3180.6	3176.7	2890.4
37.5°	3176.7	3188.3	3269.6	3366.3	3420.5	3424.3	3397.2	3439.8	3463.0	3540.4	3203.8
40°	3257.9	3257.9	3335.3	3439.8	3536.5	3575.2	3598.4	3791.9	3815.1	3830.6	3412.7
42.5°	3172.8	3196.0	3362.4	3517.2	3641.0	3730.0	3857.7	4109.2	4159.5	4043.4	3668.1
45°	3107.0	3126.4	3296.6	3555.9	3733.9	3900.2	4140.1	4418.7	4457.4	4256.2	3803.5
47.5°	3037.4	3068.3	3242.5	3528.8	3822.9	4109.2	4376.2	4662.5	4697.3	4438.1	3993.1
50°	2956.1	2991.0	3176.7	3490.1	3869.3	4306.5	4589.0	4898.5	4902.4	4596.7	4097.6
52.5°	2878.8	2902.0	3095.4	3439.8	3908.0	4457.4	4790.2	5076.5	5053.3	4797.9	4209.8
55°	2747.2	2793.6	2998.7	3370.2	3927.3	4542.5	4929.5	5227.4	5242.9	5014.6	4360.7
57.5°	2627.2	2658.2	2874.9	3269.6	3911.9	4592.8	5064.9	5509.9	5540.8	5208.1	4469.0
60°	2476.3	2495.7	2704.6	3130.3	3811.3	4678.0	5366.7	5823.3	5858.1	5393.8	4511.6
62.5°	2286.8	2286.8	2495.7	2944.5	3683.6	4739.9	5575.6	6094.1	6094.1	5540.8	4527.1
65°	2043.0	2054.6	2240.3	2693.0	3470.8	4705.1	5637.6	6221.8	6233.4	5645.3	4519.3
67.5°	1807.0	1803.1	1965.6	2364.1	3149.6	4523.2	5591.1	6287.6	6334.0	5707.2	4418.7
70°	1493.5	1481.9	1632.8	1992.7	2700.8	4178.8	5482.8	6341.8	6310.8	5625.9	4221.4
72.5°	1149.2	1137.6	1249.8	1524.5	2128.1	3586.8	5165.5	6001.3	5947.1	5184.9	3815.1
75°	816.4	800.9	889.9	1071.8	1400.7	2623.4	4430.3	5324.1	5262.2	4662.5	3184.4
77.5°	464.3	448.8	530.1	677.1	847.4	1485.8	3354.7	4438.1	4523.2	3846.1	2433.8
80°	205.1	197.3	232.2	325.0	475.9	708.1	1826.3	3172.8	3056.7	2623.4	1385.2
82.5°	174.1	174.1	178.0	185.7	193.5	325.0	684.9	998.3	955.7	770.0	441.1
85°	150.9	147.0	154.8	162.5	166.4	212.8	398.5	479.8	472.1	425.6	305.7
87.5°	123.8	116.1	127.7	135.4	135.4	174.1	297.9	352.1	352.1	356.0	270.9
90°	108.3	108.3	100.6	100.6	104.5	123.8	228.3	290.2	297.9	367.6	313.4
92.5°	92.9	92.9	92.9	92.9	77.4	89.0	162.5	259.2	278.6	359.8	282.5
95°	89.0	85.1	89.0	81.3	77.4	81.3	123.8	228.3	251.5	317.3	247.6
97.5°	61.9	58.0	65.8	65.8	69.6	73.5	104.5	170.2	178.0	236.0	185.7
100°	42.6	38.7	38.7	38.7	50.3	50.3	85.1	104.5	108.3	150.9	123.8
102.5°	23.2	19.3	19.3	19.3	27.1	31.0	42.6	58.0	58.0	81.3	69.6
105°	7.7	7.7	11.6	11.6	11.6	15.5	15.5	19.3	19.3	23.2	31.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9



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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	3.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6
2.5°	1644.4	1652.2	1671.5	1683.1	1698.6	1714.1	1725.7	1725.7	1737.3	1729.6	1725.7
5°	1694.7	1698.6	1721.8	1737.3	1733.4	1718.0	1706.4	1698.6	1702.5	1710.2	1710.2
7.5°	1729.6	1745.1	1725.7	1725.7	1721.8	1702.5	1679.3	1656.1	1644.4	1640.6	1640.6
10°	1748.9	1733.4	1725.7	1706.4	1663.8	1652.2	1632.8	1590.3	1578.7	1578.7	1563.2
12.5°	1760.5	1752.8	1710.2	1675.4	1636.7	1574.8	1532.2	1524.5	1489.7	1485.8	1489.7
15°	1807.0	1768.3	1714.1	1648.3	1574.8	1520.6	1462.6	1400.7	1373.6	1377.5	1381.3
17.5°	1837.9	1803.1	1706.4	1601.9	1536.1	1435.5	1369.7	1334.9	1292.3	1292.3	1292.3
20°	1888.2	1830.2	1694.7	1582.5	1427.8	1354.3	1276.9	1238.2	1195.6	1122.1	1114.4
22.5°	1954.0	1880.5	1690.9	1524.5	1385.2	1265.3	1153.0	1033.1	971.2	928.6	917.0
25°	2035.2	1950.1	1718.0	1497.4	1304.0	1156.9	1013.8	851.2	735.2	711.9	711.9
27.5°	2174.5	2039.1	1752.8	1470.3	1257.5	1037.0	812.6	669.4	568.8	537.8	534.0
30°	2310.0	2151.3	1764.4	1443.2	1168.5	874.5	626.8	475.9	386.9	348.2	340.5
32.5°	2522.8	2306.1	1865.0	1420.0	1067.9	704.2	445.0	301.8	228.3	205.1	201.2
35°	2739.5	2515.0	1899.8	1358.1	886.1	514.6	255.4	162.5	123.8	104.5	100.6
37.5°	3018.0	2778.2	2004.3	1292.3	704.2	294.1	143.2	89.0	77.4	77.4	77.4
40°	3180.6	2894.2	2097.2	1207.2	483.7	150.9	85.1	69.6	69.6	65.8	65.8
42.5°	3389.5	3037.4	2178.4	1040.8	255.4	92.9	73.5	65.8	58.0	58.0	58.0
45°	3509.4	3130.3	2151.3	835.8	119.9	85.1	69.6	58.0	54.2	54.2	54.2
47.5°	3656.5	3246.3	2093.3	619.1	104.5	77.4	65.8	54.2	50.3	54.2	54.2
50°	3803.5	3362.4	1946.3	475.9	96.7	73.5	58.0	46.4	46.4	50.3	50.3
52.5°	3877.0	3443.7	1772.1	328.9	96.7	69.6	54.2	46.4	42.6	42.6	42.6
55°	3962.2	3463.0	1625.1	216.7	92.9	65.8	50.3	38.7	38.7	34.8	34.8
57.5°	4008.6	3412.7	1516.8	181.9	89.0	61.9	46.4	34.8	31.0	27.1	27.1
60°	3989.2	3339.2	1423.9	158.6	81.3	58.0	42.6	31.0	23.2	19.3	19.3
62.5°	3950.5	3277.3	1253.7	139.3	77.4	50.3	34.8	27.1	19.3	15.5	15.5
65°	3908.0	3110.9	1056.3	119.9	69.6	46.4	31.0	23.2	15.5	11.6	11.6
67.5°	3710.7	2890.4	773.9	108.3	65.8	42.6	27.1	19.3	15.5	11.6	11.6
70°	3451.4	2522.8	499.1	92.9	58.0	38.7	27.1	15.5	11.6	7.7	7.7
72.5°	2936.8	2058.5	251.5	81.3	54.2	38.7	23.2	15.5	11.6	7.7	3.9
75°	2399.0	1536.1	162.5	69.6	50.3	38.7	23.2	15.5	7.7	3.9	3.9
77.5°	1718.0	831.9	123.8	61.9	42.6	38.7	19.3	11.6	7.7	7.7	3.9
80°	715.8	301.8	100.6	50.3	38.7	34.8	19.3	11.6	7.7	7.7	3.9
82.5°	301.8	208.9	89.0	42.6	34.8	34.8	15.5	11.6	7.7	7.7	7.7
85°	236.0	174.1	77.4	38.7	31.0	38.7	15.5	11.6	11.6	11.6	11.6
87.5°	220.5	178.0	69.6	34.8	31.0	27.1	15.5	11.6	19.3	19.3	23.2
90°	247.6	185.7	54.2	31.0	27.1	23.2	11.6	7.7	7.7	0.0	0.0
92.5°	228.3	170.2	38.7	23.2	34.8	15.5	7.7	0.0	0.0	0.0	0.0
95°	197.3	143.2	23.2	15.5	38.7	19.3	3.9	0.0	0.0	0.0	0.0
97.5°	147.0	104.5	15.5	7.7	31.0	23.2	3.9	0.0	0.0	0.0	0.0
100°	104.5	65.8	11.6	7.7	19.3	23.2	3.9	0.0	0.0	0.0	0.0
102.5°	58.0	34.8	7.7	3.9	7.7	7.7	0.0	0.0	0.0	0.0	0.0
105°	27.1	11.6	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691980  
 CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
115°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
125°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
130°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
135°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
140°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
145°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
150°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
157.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.9	3.9	3.9	3.9	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)