

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: P690876

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690876  
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-C01-5TLD-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: 8146 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

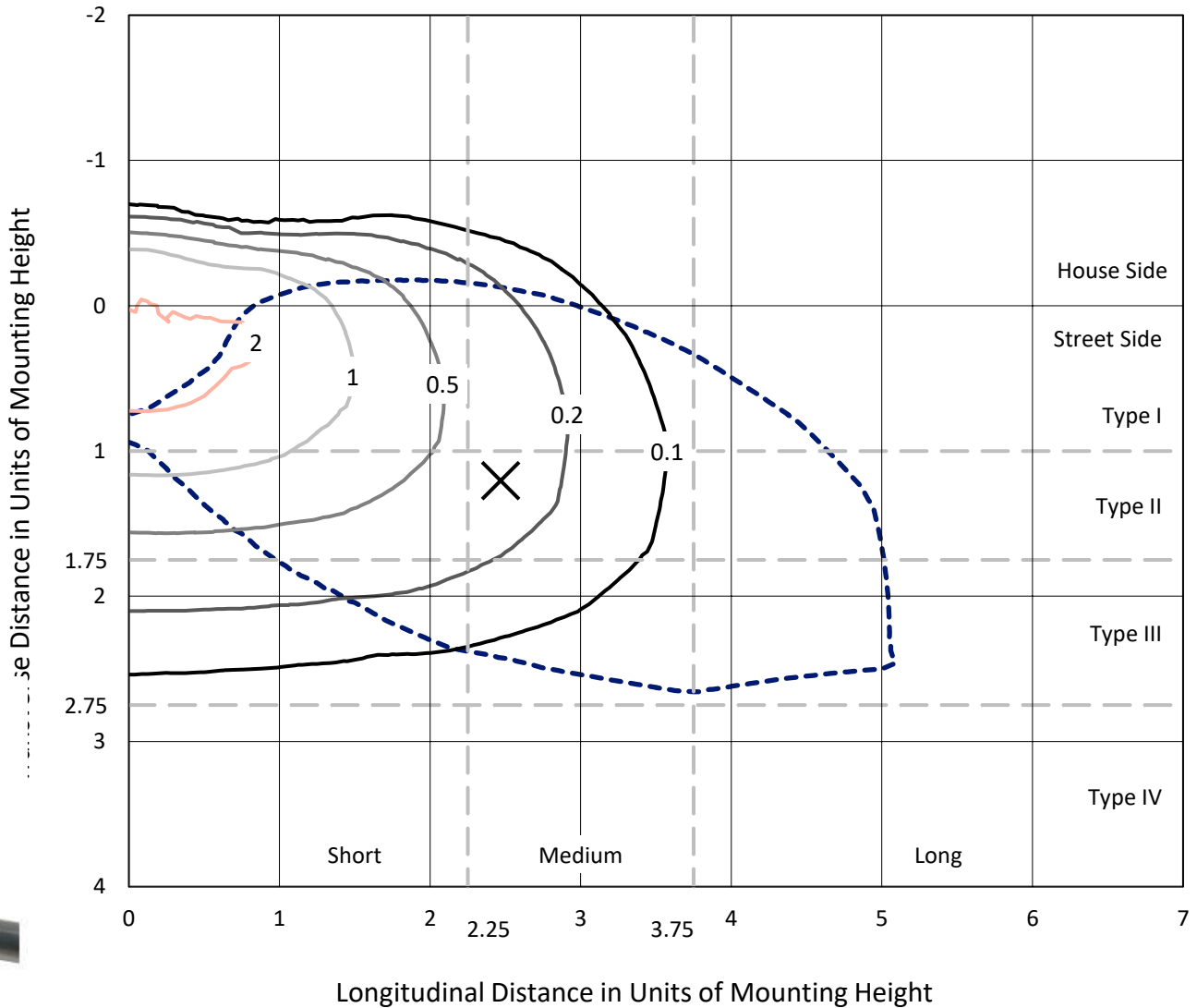
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

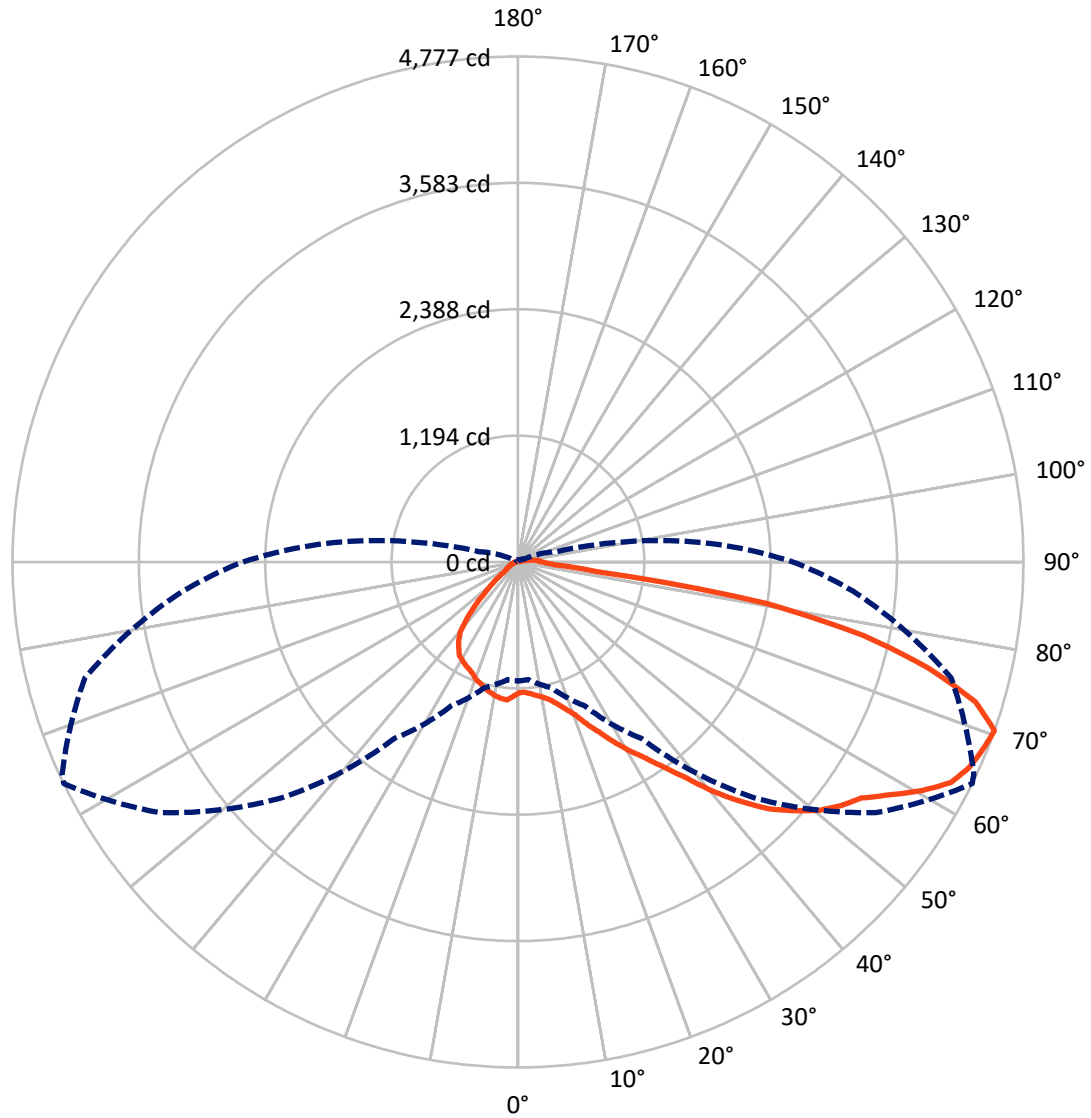
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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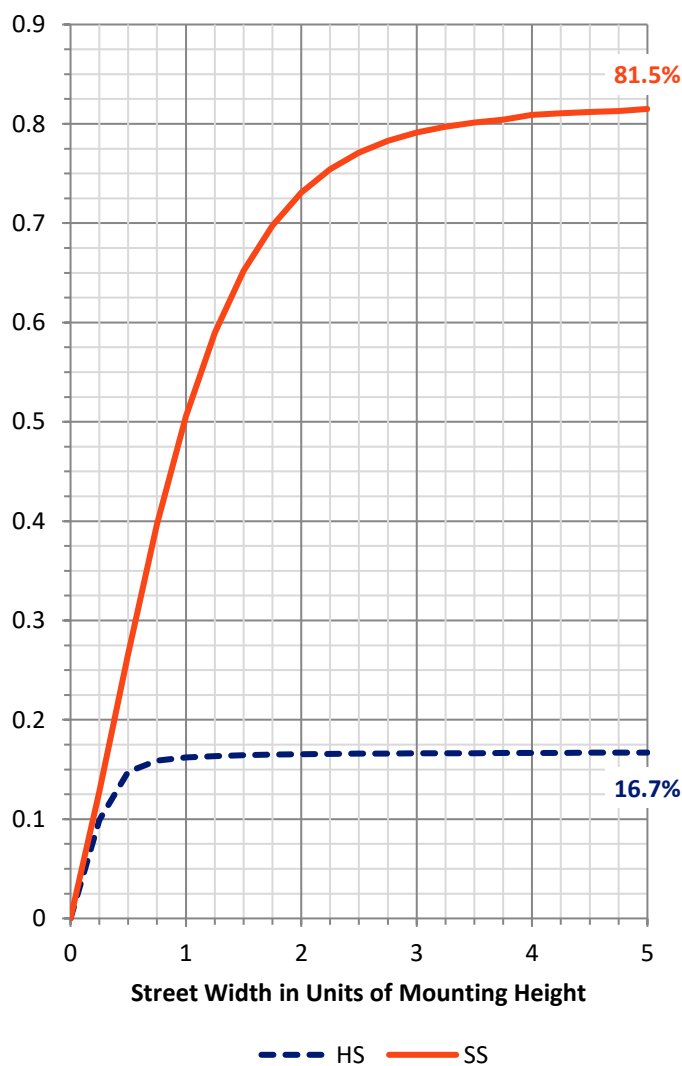
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1381.5	16.8	1398.3
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	6679.0	68.7	6747.7
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	8060.5	85.5	8146.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	1.5
10°-20°	375.4	4.6
20°-30°	649.0	8.0
30°-40°	963.1	11.8
40°-50°	1322.9	16.2
50°-60°	1606.5	19.7
60°-70°	1706.8	21.0
70°-80°	1127.6	13.8
80°-90°	186.7	2.3
90°-100°	69.6	0.9
100°-110°	11.7	0.1
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	8060.5	99.0
0°-180°	8146.0	100.0

**Coefficient of Utilization**



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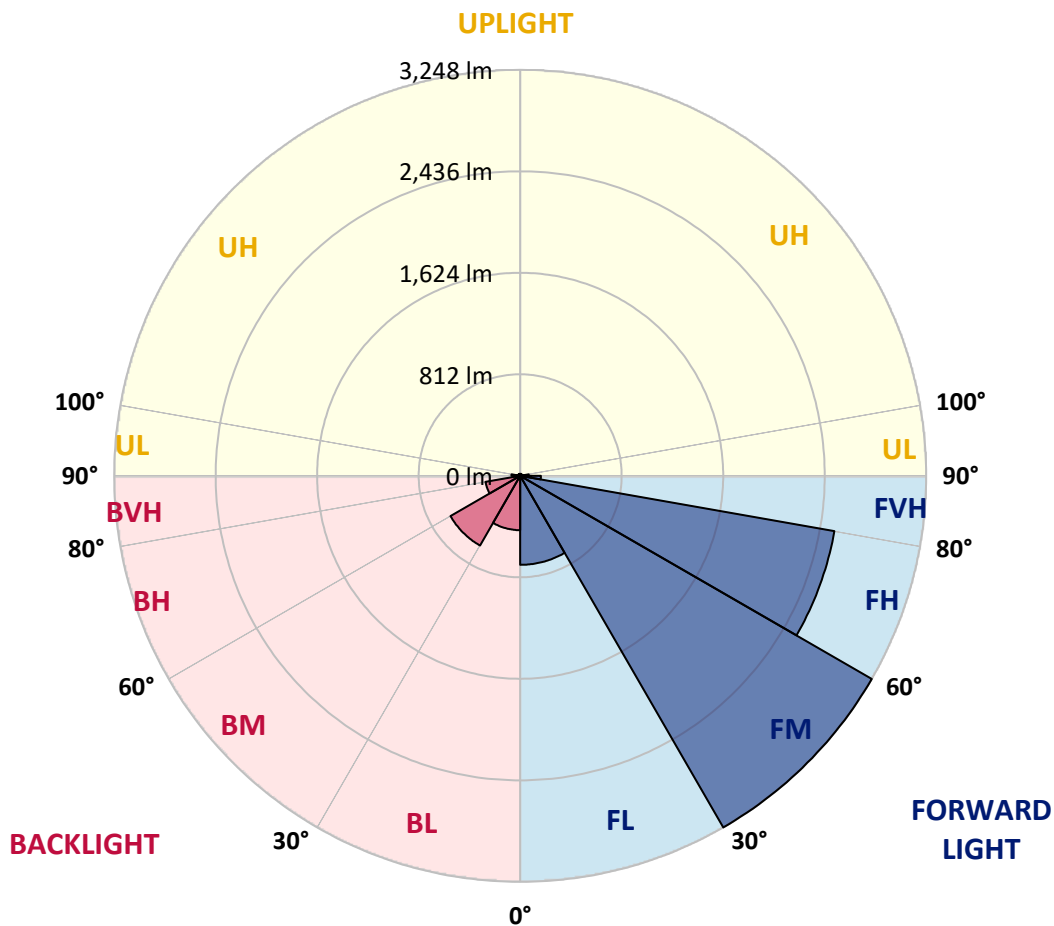
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.0	8.7			
FM (30°-60°)	3248.5	39.9			
FH (60°-80°)	2552.7	31.3			G2/5000
FVH (80°-90°)	165.7	2.0			G2/225
BL (0°-30°)	434.9	5.3	B1/500		
BM (30°-60°)	644.0	7.9	B1/1000		
BH (60°-80°)	281.7	3.5	B1/500		G1/500
BVH (80°-90°)	21.0	0.3			G1/100
UL (90°-100°)	69.6	0.9		U3/500	
UH (100°-180°)	15.9	0.2		U2/50	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7
2.5°	1244.4	1241.5	1244.4	1241.5	1238.6	1235.7	1232.8	1232.8	1229.9	1232.8	1235.7
5°	1299.8	1302.7	1296.9	1285.3	1270.7	1259.0	1253.2	1250.3	1250.3	1253.2	1264.9
7.5°	1340.6	1337.7	1334.8	1331.9	1320.2	1294.0	1279.4	1273.6	1273.6	1267.8	1288.2
10°	1413.5	1407.7	1393.1	1375.6	1363.9	1334.8	1308.6	1299.8	1296.9	1299.8	1317.3
12.5°	1492.2	1486.3	1483.4	1465.9	1425.1	1398.9	1355.2	1334.8	1334.8	1334.8	1343.5
15°	1605.8	1597.1	1567.9	1547.5	1512.6	1468.9	1419.3	1390.2	1390.2	1396.0	1372.7
17.5°	1687.4	1681.6	1678.7	1643.7	1614.6	1547.5	1509.7	1460.1	1460.1	1471.8	1422.2
20°	1772.0	1766.1	1769.0	1763.2	1719.5	1667.0	1600.0	1541.7	1541.7	1544.6	1474.7
22.5°	1885.6	1876.9	1876.9	1874.0	1850.6	1789.4	1710.8	1661.2	1652.5	1629.2	1541.7
25°	1999.3	1996.4	1990.5	1993.5	1987.6	1917.7	1833.2	1777.8	1777.8	1745.7	1632.1
27.5°	2112.9	2112.9	2110.0	2112.9	2110.0	2066.3	1981.8	1923.5	1926.4	1885.6	1731.2
30°	2194.5	2191.6	2212.0	2220.8	2226.6	2209.1	2127.5	2063.4	2069.2	2028.4	1847.7
32.5°	2270.3	2267.4	2302.4	2322.8	2328.6	2325.7	2258.7	2206.2	2220.8	2182.9	1987.6
35°	2340.3	2337.3	2384.0	2436.4	2459.8	2453.9	2410.2	2381.1	2395.6	2392.7	2177.1
37.5°	2392.7	2401.5	2462.7	2535.5	2576.3	2579.2	2558.8	2590.9	2608.4	2666.7	2413.1
40°	2453.9	2453.9	2512.2	2590.9	2663.8	2692.9	2710.4	2856.1	2873.6	2885.3	2570.5
42.5°	2389.8	2407.3	2532.6	2649.2	2742.5	2809.5	2905.7	3095.1	3133.0	3045.5	2762.9
45°	2340.3	2354.8	2483.1	2678.3	2812.4	2937.7	3118.4	3328.2	3357.4	3205.8	2864.9
47.5°	2287.8	2311.1	2442.3	2657.9	2879.4	3095.1	3296.2	3511.9	3538.1	3342.8	3007.7
50°	2226.6	2252.8	2392.7	2628.8	2914.4	3243.7	3456.5	3689.6	3692.5	3462.3	3086.4
52.5°	2168.3	2185.8	2331.5	2590.9	2943.5	3357.4	3608.0	3823.7	3806.2	3613.9	3170.9
55°	2069.2	2104.2	2258.7	2538.4	2958.1	3421.5	3712.9	3937.4	3949.0	3777.1	3284.5
57.5°	1978.9	2002.2	2165.4	2462.7	2946.5	3459.4	3815.0	4150.1	4173.4	3922.8	3366.1
60°	1865.2	1879.8	2037.2	2357.8	2870.7	3523.5	4042.3	4386.2	4412.4	4062.7	3398.2
62.5°	1722.4	1722.4	1879.8	2217.9	2774.5	3570.1	4199.7	4590.2	4590.2	4173.4	3409.8
65°	1538.8	1547.5	1687.4	2028.4	2614.2	3543.9	4246.3	4686.4	4695.1	4252.1	3404.0
67.5°	1361.0	1358.1	1480.5	1780.7	2372.3	3406.9	4211.3	4735.9	4770.9	4298.7	3328.2
70°	1125.0	1116.2	1229.9	1500.9	2034.3	3147.6	4129.7	4776.7	4753.4	4237.5	3179.6
72.5°	865.6	856.8	941.4	1148.3	1602.9	2701.6	3890.7	4520.2	4479.4	3905.3	2873.6
75°	614.9	603.3	670.3	807.3	1055.0	1976.0	3337.0	4010.2	3963.6	3511.9	2398.6
77.5°	349.7	338.1	399.3	510.0	638.3	1119.1	2526.8	3342.8	3406.9	2896.9	1833.2
80°	154.5	148.6	174.9	244.8	358.5	533.3	1375.6	2389.8	2302.4	1976.0	1043.4
82.5°	131.1	131.1	134.1	139.9	145.7	244.8	515.8	751.9	719.9	580.0	332.2
85°	113.7	110.7	116.6	122.4	125.3	160.3	300.2	361.4	355.6	320.6	230.2
87.5°	93.3	87.4	96.2	102.0	102.0	131.1	224.4	265.2	265.2	268.1	204.0
90°	81.6	81.6	75.8	75.8	78.7	93.3	171.9	218.6	224.4	276.9	236.1
92.5°	69.9	69.9	69.9	69.9	58.3	67.0	122.4	195.3	209.8	271.0	212.8
95°	67.0	64.1	67.0	61.2	58.3	61.2	93.3	171.9	189.4	239.0	186.5
97.5°	46.6	43.7	49.5	49.5	52.5	55.4	78.7	128.2	134.1	177.8	139.9
100°	32.1	29.1	29.1	29.1	37.9	37.9	64.1	78.7	81.6	113.7	93.3
102.5°	17.5	14.6	14.6	14.6	20.4	23.3	32.1	43.7	43.7	61.2	52.5
105°	5.8	5.8	8.7	8.7	8.7	11.7	11.7	14.6	14.6	17.5	23.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9



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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	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	0.0	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	2.9	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7
2.5°	1238.6	1244.4	1259.0	1267.8	1279.4	1291.1	1299.8	1299.8	1308.6	1302.7	1299.8
5°	1276.5	1279.4	1296.9	1308.6	1305.7	1294.0	1285.3	1279.4	1282.3	1288.2	1288.2
7.5°	1302.7	1314.4	1299.8	1299.8	1296.9	1282.3	1264.9	1247.4	1238.6	1235.7	1235.7
10°	1317.3	1305.7	1299.8	1285.3	1253.2	1244.4	1229.9	1197.8	1189.1	1189.1	1177.4
12.5°	1326.1	1320.2	1288.2	1261.9	1232.8	1186.2	1154.1	1148.3	1122.0	1119.1	1122.0
15°	1361.0	1331.9	1291.1	1241.5	1186.2	1145.4	1101.6	1055.0	1034.6	1037.5	1040.4
17.5°	1384.3	1358.1	1285.3	1206.6	1157.0	1081.2	1031.7	1005.5	973.4	973.4	973.4
20°	1422.2	1378.5	1276.5	1192.0	1075.4	1020.0	961.8	932.6	900.5	845.2	839.3
22.5°	1471.8	1416.4	1273.6	1148.3	1043.4	953.0	868.5	778.1	731.5	699.5	690.7
25°	1533.0	1468.9	1294.0	1127.9	982.2	871.4	763.6	641.2	553.7	536.2	536.2
27.5°	1637.9	1535.9	1320.2	1107.5	947.2	781.1	612.0	504.2	428.4	405.1	402.2
30°	1739.9	1620.4	1329.0	1087.1	880.1	658.7	472.1	358.5	291.4	262.3	256.5
32.5°	1900.2	1737.0	1404.7	1069.6	804.4	530.4	335.2	227.3	171.9	154.5	151.5
35°	2063.4	1894.4	1431.0	1023.0	667.4	387.6	192.4	122.4	93.3	78.7	75.8
37.5°	2273.2	2092.5	1509.7	973.4	530.4	221.5	107.8	67.0	58.3	58.3	58.3
40°	2395.6	2180.0	1579.6	909.3	364.3	113.7	64.1	52.5	52.5	49.5	49.5
42.5°	2553.0	2287.8	1640.8	784.0	192.4	69.9	55.4	49.5	43.7	43.7	43.7
45°	2643.4	2357.8	1620.4	629.5	90.3	64.1	52.5	43.7	40.8	40.8	40.8
47.5°	2754.1	2445.2	1576.7	466.3	78.7	58.3	49.5	40.8	37.9	40.8	40.8
50°	2864.9	2532.6	1465.9	358.5	72.9	55.4	43.7	35.0	35.0	37.9	37.9
52.5°	2920.2	2593.8	1334.8	247.7	72.9	52.5	40.8	35.0	32.1	32.1	32.1
55°	2984.3	2608.4	1224.0	163.2	69.9	49.5	37.9	29.1	29.1	26.2	26.2
57.5°	3019.3	2570.5	1142.4	137.0	67.0	46.6	35.0	26.2	23.3	20.4	20.4
60°	3004.7	2515.1	1072.5	119.5	61.2	43.7	32.1	23.3	17.5	14.6	14.6
62.5°	2975.6	2468.5	944.3	104.9	58.3	37.9	26.2	20.4	14.6	11.7	11.7
65°	2943.5	2343.2	795.6	90.3	52.5	35.0	23.3	17.5	11.7	8.7	8.7
67.5°	2794.9	2177.1	582.9	81.6	49.5	32.1	20.4	14.6	11.7	8.7	8.7
70°	2599.6	1900.2	376.0	69.9	43.7	29.1	20.4	11.7	8.7	5.8	5.8
72.5°	2212.0	1550.5	189.4	61.2	40.8	29.1	17.5	11.7	8.7	5.8	2.9
75°	1806.9	1157.0	122.4	52.5	37.9	29.1	17.5	11.7	5.8	2.9	2.9
77.5°	1294.0	626.6	93.3	46.6	32.1	29.1	14.6	8.7	5.8	5.8	2.9
80°	539.2	227.3	75.8	37.9	29.1	26.2	14.6	8.7	5.8	5.8	2.9
82.5°	227.3	157.4	67.0	32.1	26.2	26.2	11.7	8.7	5.8	5.8	5.8
85°	177.8	131.1	58.3	29.1	23.3	29.1	11.7	8.7	8.7	8.7	8.7
87.5°	166.1	134.1	52.5	26.2	23.3	20.4	11.7	8.7	14.6	14.6	17.5
90°	186.5	139.9	40.8	23.3	20.4	17.5	8.7	5.8	5.8	0.0	0.0
92.5°	171.9	128.2	29.1	17.5	26.2	11.7	5.8	0.0	0.0	0.0	0.0
95°	148.6	107.8	17.5	11.7	29.1	14.6	2.9	0.0	0.0	0.0	0.0
97.5°	110.7	78.7	11.7	5.8	23.3	17.5	2.9	0.0	0.0	0.0	0.0
100°	78.7	49.5	8.7	5.8	14.6	17.5	2.9	0.0	0.0	0.0	0.0
102.5°	43.7	26.2	5.8	2.9	5.8	5.8	0.0	0.0	0.0	0.0	0.0
105°	20.4	8.7	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690876  
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	2.9	2.9	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)