

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: P690844

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690844  
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-C01-5TLD-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: 7890 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

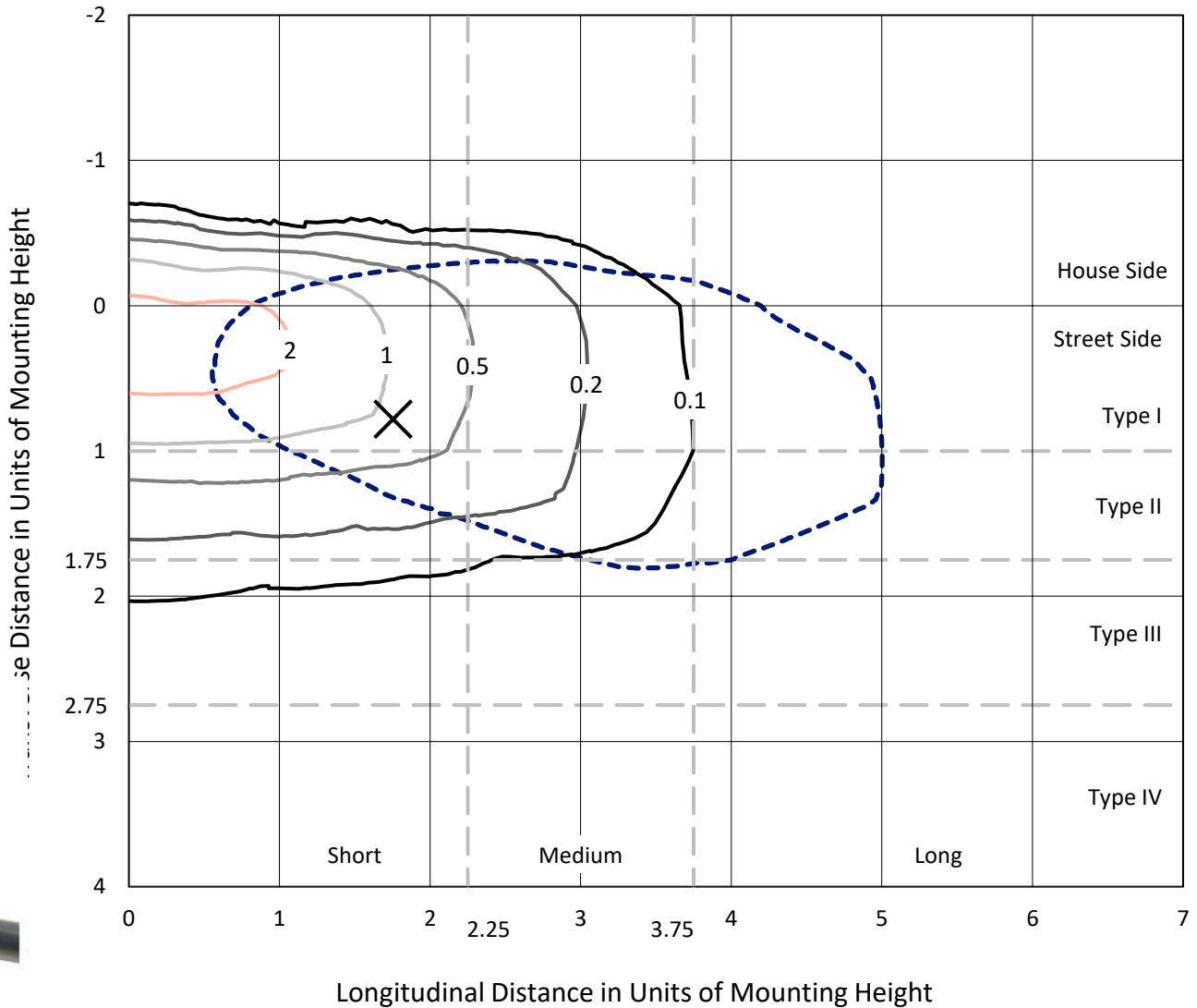
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

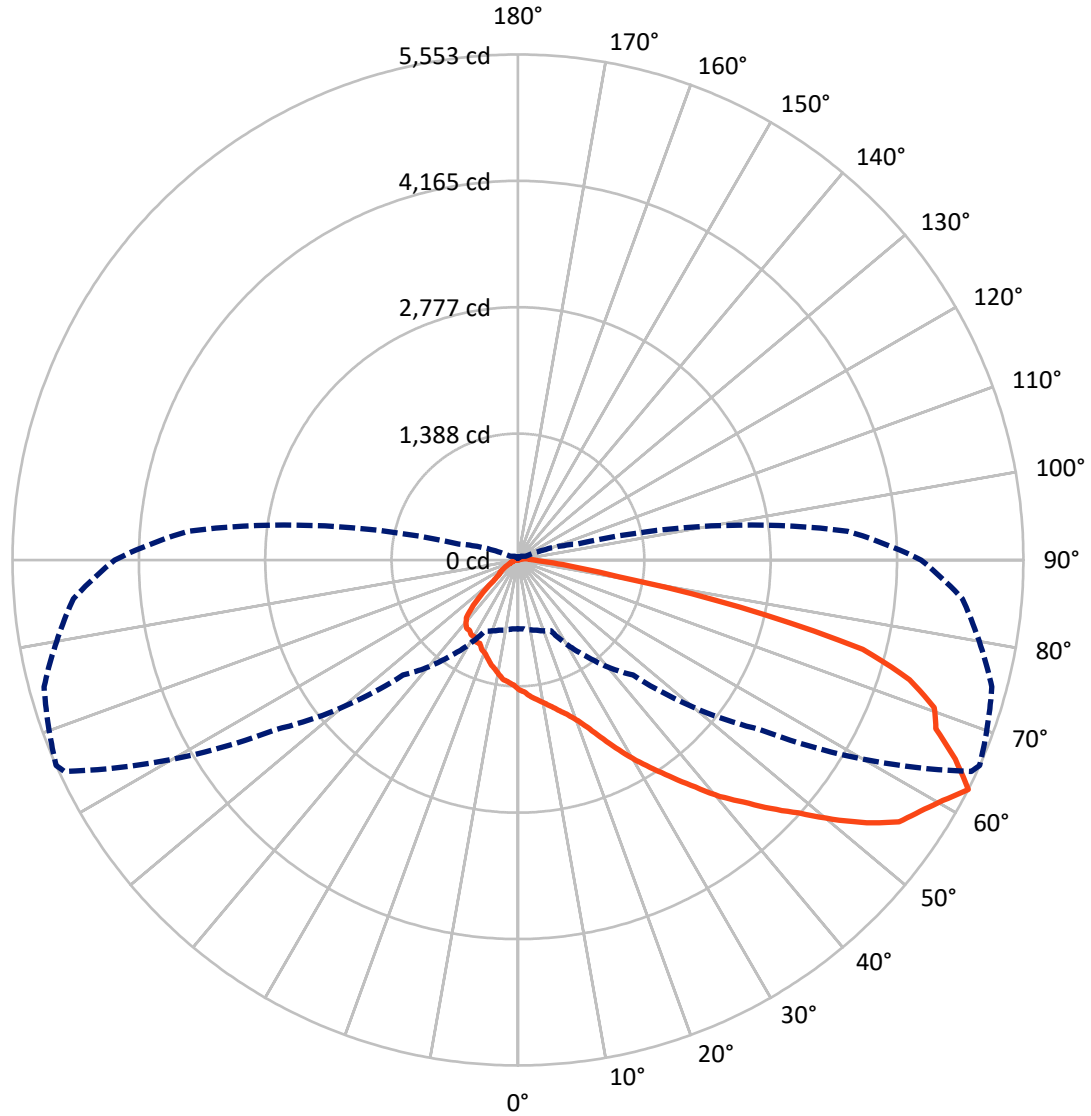
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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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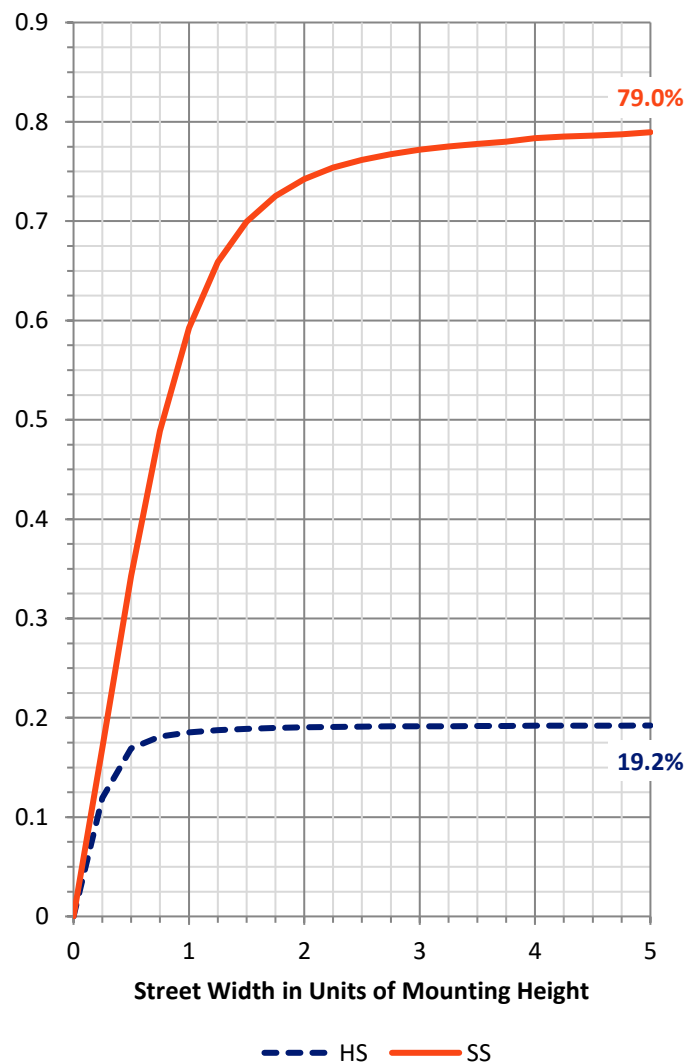
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1538.3	21.7	1560.0
	% Fixture	19.5	0.3	19.8
<b>Street Side</b>	Lumens	6269.8	60.1	6330.0
	% Fixture	79.5	0.8	80.2
<b>Total</b>	Lumens	7808.1	81.8	7890.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.4	1.7
10°-20°	397.0	5.0
20°-30°	668.0	8.5
30°-40°	993.4	12.6
40°-50°	1314.3	16.7
50°-60°	1530.3	19.4
60°-70°	1527.8	19.4
70°-80°	1025.2	13.0
80°-90°	216.6	2.7
90°-100°	66.0	0.8
100°-110°	11.5	0.1
110°-120°	0.8	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7808.1	99.0
0°-180°	7890.0	100.0

**Coefficient of Utilization**



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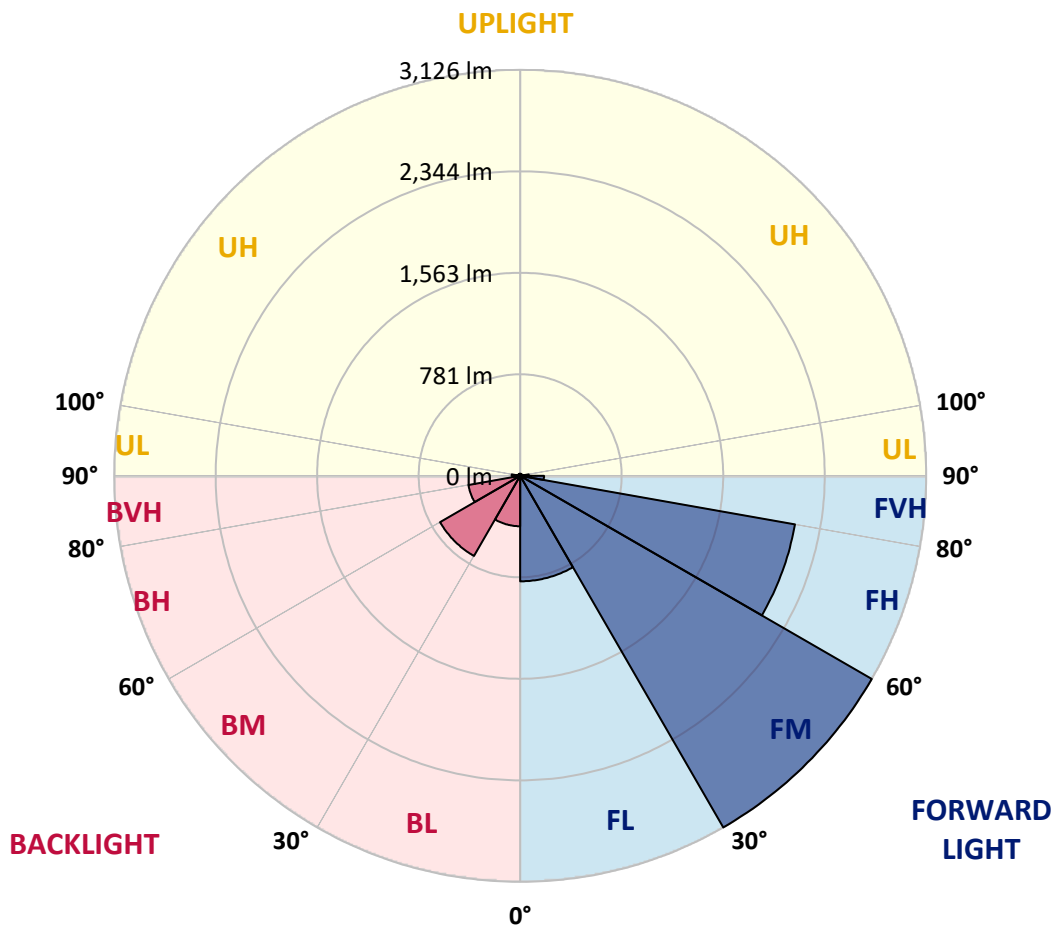
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7050-HSS-CRTK2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.3	10.3			
FM (30°-60°)	3125.8	39.6			
FH (60°-80°)	2148.5	27.2			G2/5000
FVH (80°-90°)	183.3	2.3			G2/225
BL (0°-30°)	388.1	4.9	B1/500		
BM (30°-60°)	712.3	9.0	B1/1000		
BH (60°-80°)	404.5	5.1	B1/500		G1/500
BVH (80°-90°)	33.3	0.4			G1/100
UL (90°-100°)	66.0	0.8		U3/500	
UH (100°-180°)	15.9	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°	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5
2.5°	1521.7	1512.9	1515.8	1501.3	1486.7	1478.0	1469.2	1454.6	1454.6	1443.0	1428.4
5°	1629.5	1632.5	1629.5	1612.0	1594.6	1568.3	1536.3	1510.0	1510.0	1483.8	1448.8
7.5°	1702.4	1699.5	1699.5	1679.1	1667.4	1652.9	1615.0	1556.7	1553.7	1518.8	1475.0
10°	1731.6	1734.5	1746.1	1717.0	1705.3	1684.9	1664.5	1606.2	1600.4	1542.1	1472.1
12.5°	1795.7	1798.6	1792.8	1769.5	1754.9	1740.3	1708.2	1658.7	1652.9	1588.7	1492.5
15°	1871.5	1871.5	1862.7	1839.4	1830.7	1810.3	1772.4	1725.7	1719.9	1647.0	1530.4
17.5°	1912.3	1918.1	1918.1	1886.1	1889.0	1880.2	1859.8	1798.6	1789.9	1722.8	1582.9
20°	1932.7	1935.6	1941.5	1941.5	1938.5	1935.6	1947.3	1891.9	1886.1	1807.4	1644.1
22.5°	1991.0	1996.8	2011.4	2002.7	2011.4	2023.1	2026.0	2023.1	2014.3	1929.8	1746.1
25°	2017.2	2034.7	2055.1	2081.4	2107.6	2125.1	2165.9	2186.3	2180.5	2098.9	1906.5
27.5°	1988.1	2005.6	2078.5	2128.0	2209.6	2259.2	2335.0	2367.1	2364.1	2297.1	2072.6
30°	2037.7	2043.5	2075.5	2145.5	2250.5	2387.5	2492.4	2542.0	2553.6	2492.4	2247.5
32.5°	1964.8	1985.2	2075.5	2206.7	2364.1	2509.9	2611.9	2722.7	2737.3	2711.0	2477.8
35°	1958.9	1973.5	2023.1	2165.9	2367.1	2638.2	2778.1	2929.7	2941.3	2950.1	2711.0
37.5°	1877.3	1897.7	1996.8	2177.6	2454.5	2722.7	2918.0	3136.6	3165.8	3200.8	2906.3
40°	1787.0	1801.5	1886.1	2078.5	2434.1	2821.8	3052.1	3387.3	3416.5	3460.2	3165.8
42.5°	1652.9	1684.9	1827.8	2034.7	2422.4	2851.0	3186.2	3608.9	3635.1	3696.3	3384.4
45°	1533.3	1547.9	1658.7	1886.1	2329.2	2903.4	3299.9	3868.3	3894.6	3923.7	3556.4
47.5°	1440.1	1457.5	1562.5	1766.5	2235.9	2891.8	3404.8	4124.9	4154.0	4221.1	3769.2
50°	1142.7	1186.4	1451.7	1649.9	2081.4	2868.5	3495.2	4410.5	4477.6	4503.8	3990.8
52.5°	982.4	997.0	1134.0	1545.0	1929.8	2783.9	3573.9	4722.5	4798.2	4748.7	4288.1
55°	915.3	924.1	991.1	1338.0	1792.8	2611.9	3638.0	5022.7	5078.1	4920.7	4506.7
57.5°	865.8	880.4	909.5	1084.4	1632.5	2323.3	3641.0	5188.9	5209.3	5063.5	4611.7
60°	801.7	807.5	868.7	944.5	1451.7	2023.1	3541.8	5273.4	5363.8	5229.7	4824.5
62.5°	755.0	760.8	798.7	860.0	1279.7	1787.0	3250.3	5497.9	5553.3	5390.0	4903.2
65°	696.7	705.5	737.5	798.7	1160.2	1644.1	3104.6	5439.6	5279.2	5352.1	4993.6
67.5°	635.5	641.3	676.3	722.9	988.2	1507.1	2743.1	5069.4	4952.7	5162.6	4751.6
70°	571.4	577.2	609.3	641.3	813.3	1338.0	2285.4	4754.5	4853.6	4865.3	4524.2
72.5°	504.3	510.1	539.3	565.5	673.4	1125.2	1816.1	4439.7	4500.9	4323.1	3996.6
75°	437.3	440.2	463.5	489.7	559.7	906.6	1300.1	3681.8	3915.0	4130.7	3448.6
77.5°	352.7	358.6	381.9	390.6	448.9	731.7	842.5	2189.2	2495.3	3614.7	3095.8
80°	259.4	262.4	285.7	282.8	335.2	533.5	530.5	1040.7	1119.4	2233.0	2273.8
82.5°	172.0	177.8	198.2	192.4	227.4	323.6	332.3	559.7	597.6	865.8	997.0
85°	137.0	139.9	151.6	139.9	151.6	163.2	183.7	338.2	344.0	513.1	510.1
87.5°	110.8	113.7	125.3	116.6	119.5	125.3	145.8	215.7	221.5	323.6	335.2
90°	87.5	90.4	104.9	96.2	96.2	104.9	122.4	160.3	169.1	253.6	274.0
92.5°	58.3	58.3	67.0	64.1	64.1	75.8	107.9	119.5	128.3	236.1	247.8
95°	43.7	43.7	46.6	46.6	46.6	55.4	81.6	113.7	125.3	230.3	224.5
97.5°	29.2	29.2	32.1	32.1	32.1	35.0	46.6	93.3	104.9	186.6	183.7
100°	20.4	20.4	20.4	17.5	17.5	17.5	26.2	61.2	70.0	119.5	119.5
102.5°	14.6	11.7	11.7	11.7	8.7	8.7	11.7	29.2	32.1	64.1	61.2
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.7	11.7	26.2	26.2
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	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	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	0.0	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.9
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	2.9
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°	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5	1425.5
2.5°	1419.7	1410.9	1390.5	1373.0	1358.4	1343.9	1320.5	1311.8	1306.0	1314.7	1314.7
5°	1428.4	1405.1	1370.1	1340.9	1314.7	1282.6	1247.7	1227.3	1209.8	1218.5	1218.5
7.5°	1443.0	1410.9	1367.2	1317.6	1250.6	1195.2	1151.5	1125.2	1110.7	1119.4	1125.2
10°	1434.2	1399.2	1340.9	1265.2	1186.4	1128.1	1072.8	1031.9	1017.4	1011.5	1017.4
12.5°	1443.0	1402.2	1303.0	1212.7	1136.9	1043.6	976.6	932.8	915.3	915.3	915.3
15°	1472.1	1410.9	1279.7	1174.8	1058.2	967.8	897.8	851.2	845.4	825.0	825.0
17.5°	1512.9	1419.7	1271.0	1116.5	988.2	894.9	813.3	766.7	752.1	755.0	755.0
20°	1553.7	1437.1	1253.5	1066.9	924.1	813.3	728.8	685.0	650.1	638.4	644.2
22.5°	1623.7	1486.7	1238.9	1040.7	851.2	746.3	653.0	580.1	521.8	504.3	495.6
25°	1725.7	1565.4	1259.3	979.5	807.5	670.5	559.7	457.7	387.7	370.2	367.3
27.5°	1912.3	1687.8	1282.6	979.5	737.5	603.4	446.0	338.2	282.8	265.3	271.1
30°	2087.2	1854.0	1349.7	927.0	708.4	483.9	332.3	253.6	204.1	183.7	189.5
32.5°	2233.0	2011.4	1443.0	915.3	623.8	358.6	242.0	177.8	142.8	131.2	134.1
35°	2442.8	2145.5	1515.8	874.5	513.1	262.4	169.1	125.3	110.8	104.9	104.9
37.5°	2644.0	2308.8	1588.7	865.8	379.0	192.4	113.7	102.0	99.1	90.4	90.4
40°	2836.4	2474.9	1620.8	816.2	268.2	125.3	96.2	93.3	90.4	81.6	81.6
42.5°	3072.5	2635.2	1649.9	752.1	186.6	93.3	84.5	87.5	84.5	75.8	72.9
45°	3253.2	2743.1	1658.7	588.8	119.5	87.5	78.7	81.6	78.7	70.0	70.0
47.5°	3404.8	2888.9	1623.7	402.3	99.1	81.6	72.9	75.8	72.9	67.0	64.1
50°	3559.3	3023.0	1591.6	215.7	93.3	78.7	70.0	64.1	67.0	61.2	58.3
52.5°	3769.2	3122.1	1507.1	131.2	87.5	72.9	64.1	58.3	58.3	52.5	55.4
55°	4057.8	3366.9	1349.7	122.4	84.5	70.0	61.2	52.5	52.5	46.6	46.6
57.5°	4186.1	3463.1	1096.1	110.8	81.6	70.0	55.4	46.6	40.8	37.9	35.0
60°	4343.5	3606.0	862.9	102.0	75.8	67.0	49.6	40.8	32.1	29.2	29.2
62.5°	4430.9	3635.1	673.4	93.3	72.9	58.3	43.7	32.1	26.2	20.4	20.4
65°	4474.7	3614.7	448.9	84.5	67.0	55.4	37.9	26.2	17.5	14.6	14.6
67.5°	4308.5	3506.9	259.4	78.7	64.1	49.6	32.1	20.4	14.6	11.7	8.7
70°	4025.7	3192.0	163.2	70.0	61.2	43.7	29.2	17.5	11.7	8.7	5.8
72.5°	3693.4	2606.1	119.5	64.1	58.3	37.9	23.3	14.6	8.7	5.8	5.8
75°	3372.8	2270.9	102.0	55.4	49.6	32.1	20.4	11.7	8.7	5.8	2.9
77.5°	2413.7	1547.9	90.4	49.6	43.7	26.2	14.6	11.7	5.8	2.9	2.9
80°	1714.1	909.5	81.6	40.8	35.0	20.4	14.6	8.7	5.8	2.9	2.9
82.5°	822.1	472.2	78.7	35.0	26.2	17.5	11.7	8.7	5.8	2.9	2.9
85°	373.1	201.1	58.3	32.1	23.3	17.5	11.7	8.7	5.8	5.8	2.9
87.5°	227.4	104.9	46.6	26.2	17.5	14.6	8.7	5.8	5.8	5.8	5.8
90°	212.8	137.0	35.0	20.4	14.6	11.7	8.7	2.9	0.0	0.0	0.0
92.5°	204.1	157.4	26.2	14.6	8.7	8.7	2.9	0.0	0.0	0.0	0.0
95°	192.4	148.7	29.2	8.7	14.6	5.8	2.9	0.0	0.0	0.0	0.0
97.5°	151.6	116.6	32.1	8.7	72.9	5.8	2.9	0.0	0.0	0.0	0.0
100°	96.2	72.9	23.3	8.7	87.5	5.8	0.0	0.0	0.0	0.0	0.0
102.5°	55.4	40.8	11.7	8.7	26.2	2.9	0.0	0.0	0.0	0.0	0.0
105°	23.3	20.4	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	5.8	2.9	2.9	2.9	2.9	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: P690844  
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7050-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	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	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	2.9	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)