

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: P690851

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

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
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  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8776 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

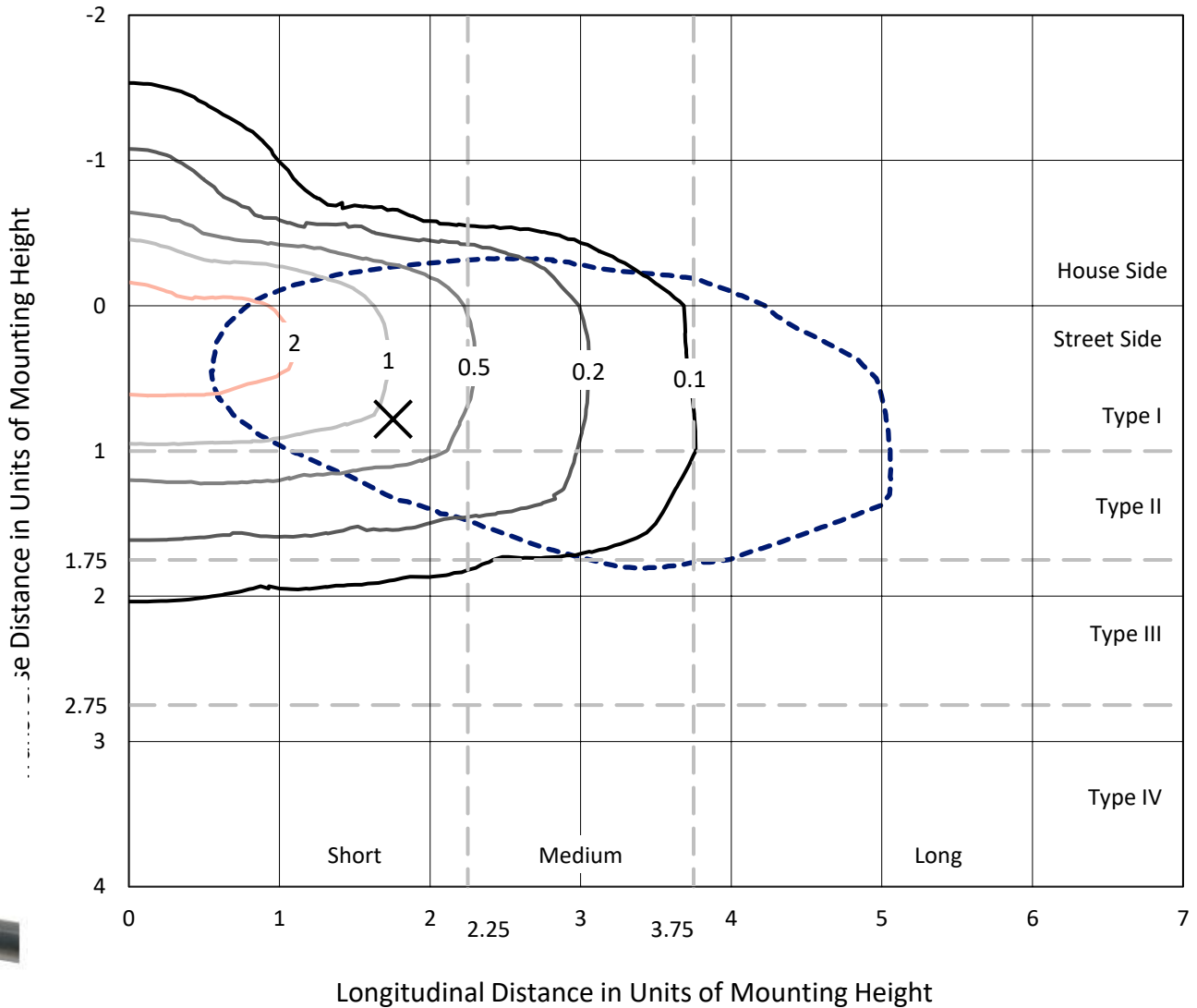
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

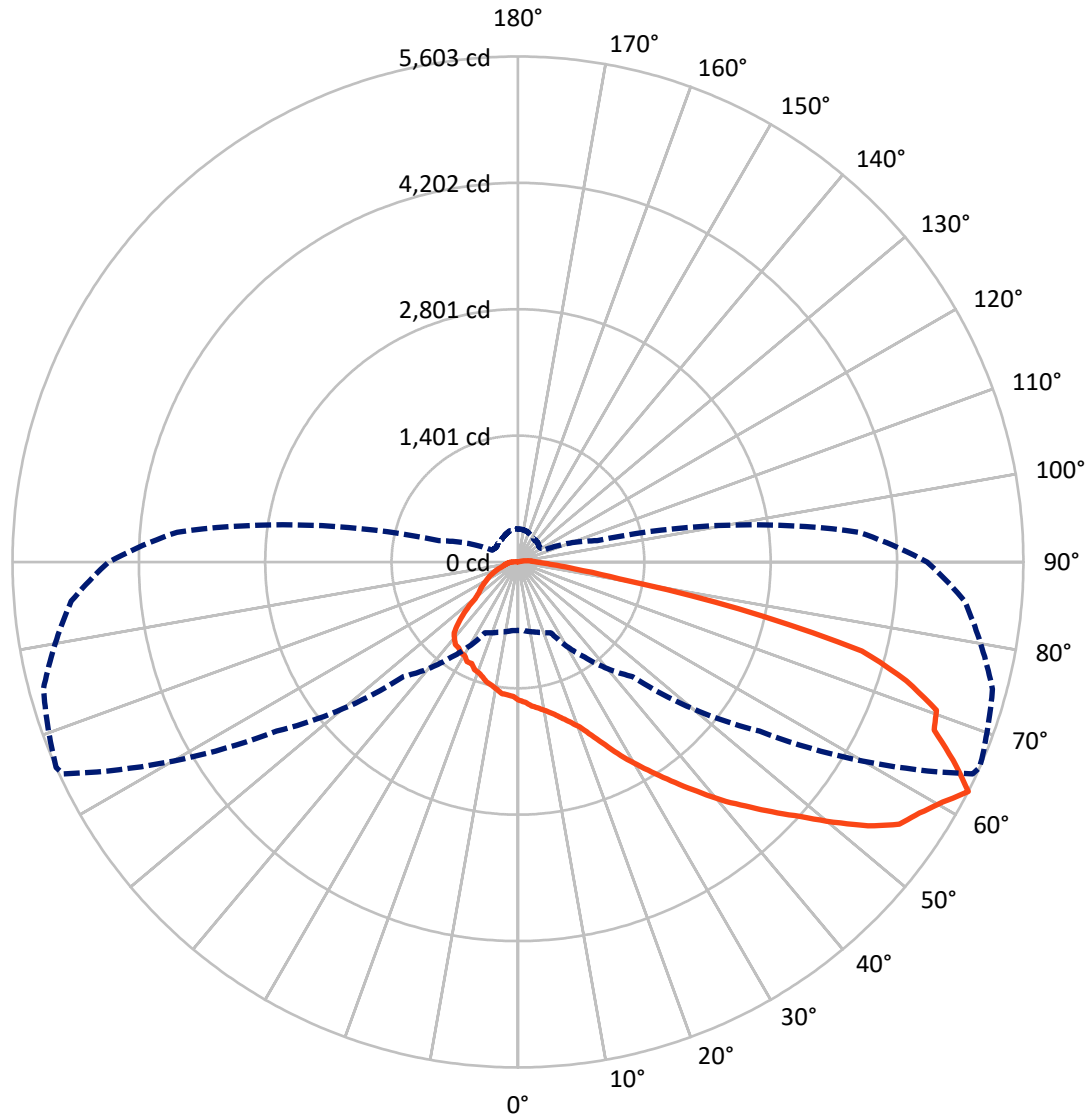
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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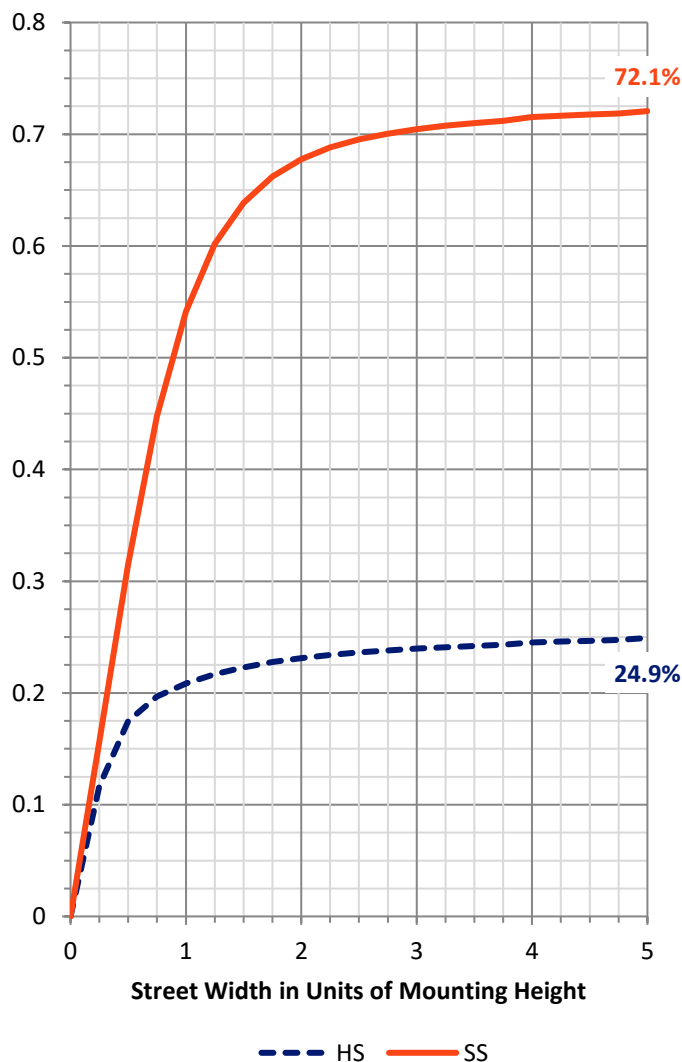
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2284.3	63.1	2347.4
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	6366.1	62.5	6428.6
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	8650.4	125.6	8776.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	1.7
10°-20°	441.2	5.0
20°-30°	746.7	8.5
30°-40°	1092.4	12.4
40°-50°	1427.9	16.3
50°-60°	1661.5	18.9
60°-70°	1662.2	18.9
70°-80°	1146.9	13.1
80°-90°	324.2	3.7
90°-100°	106.9	1.2
100°-110°	14.6	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	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°	8650.4	98.6
0°-180°	8776.0	100.0

**Coefficient of Utilization**

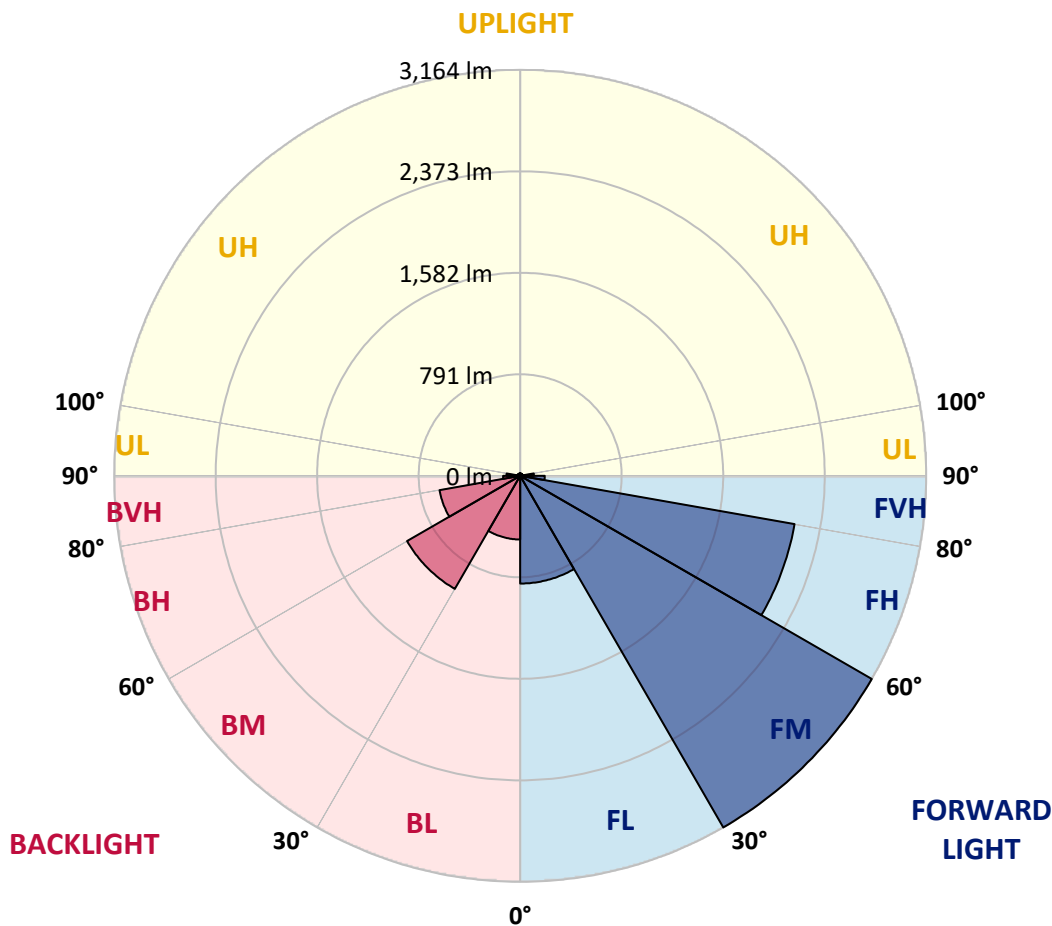


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.5	9.6			
FM (30°-60°)	3164.0	36.1			
FH (60°-80°)	2171.1	24.7			G2/5000
FVH (80°-90°)	191.5	2.2			G2/225
BL (0°-30°)	495.8	5.6	B1/500		
BM (30°-60°)	1017.8	11.6	B2/2500		
BH (60°-80°)	638.0	7.3	B2/1000		G2/1000
BVH (80°-90°)	132.7	1.5			G2/225
UL (90°-100°)	106.9	1.2		U3/500	
UH (100°-180°)	18.7	0.2		U2/50	

**BUG Rating: B2-U3-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3
2.5°	1612.0	1609.1	1609.1	1594.5	1580.0	1577.1	1568.3	1556.6	1556.6	1547.9	1533.3
5°	1708.2	1705.3	1708.2	1687.8	1667.4	1649.9	1620.8	1606.2	1603.3	1582.9	1553.7
7.5°	1775.3	1772.4	1769.4	1752.0	1743.2	1725.7	1684.9	1641.2	1635.4	1614.9	1577.1
10°	1801.5	1804.4	1819.0	1789.9	1772.4	1757.8	1734.5	1682.0	1676.2	1629.5	1571.2
12.5°	1871.5	1874.4	1865.6	1830.7	1824.8	1813.2	1775.3	1731.5	1725.7	1667.4	1585.8
15°	1944.3	1944.3	1932.7	1912.3	1897.7	1886.0	1839.4	1792.8	1789.9	1719.9	1623.7
17.5°	1976.4	1982.2	1985.2	1958.9	1953.1	1950.2	1926.9	1868.6	1862.7	1795.7	1676.2
20°	1996.8	1999.7	2002.6	1999.7	2002.6	1999.7	2011.4	1964.8	1950.2	1880.2	1734.5
22.5°	2037.6	2043.5	2063.9	2063.9	2072.6	2093.0	2084.3	2090.1	2084.3	1999.7	1833.6
25°	2058.0	2066.8	2093.0	2125.1	2163.0	2186.3	2218.4	2241.7	2244.6	2168.8	1985.2
27.5°	2026.0	2046.4	2113.4	2163.0	2250.4	2311.6	2387.4	2425.3	2431.2	2358.3	2148.4
30°	2066.8	2066.8	2107.6	2177.6	2285.4	2428.2	2544.9	2603.2	2609.0	2553.6	2311.6
32.5°	1991.0	2008.5	2101.8	2235.9	2390.4	2553.6	2667.3	2781.0	2795.5	2778.1	2544.9
35°	1982.2	1991.0	2049.3	2189.2	2396.2	2670.2	2827.6	2976.3	3005.4	3011.3	2769.3
37.5°	1900.6	1912.3	2020.1	2195.0	2477.8	2751.8	2953.0	3197.8	3224.1	3264.9	2964.6
40°	1798.6	1816.1	1903.5	2098.8	2454.5	2848.0	3087.1	3431.0	3468.9	3518.5	3221.1
42.5°	1664.5	1696.6	1845.2	2055.1	2442.8	2880.1	3215.3	3664.2	3699.2	3751.7	3436.9
45°	1550.8	1559.6	1679.1	1897.7	2349.5	2923.8	3334.8	3926.6	3949.9	3976.1	3611.8
47.5°	1448.8	1466.3	1568.3	1772.4	2250.4	2915.1	3439.8	4174.4	4215.2	4293.9	3824.6
50°	1145.6	1186.4	1475.0	1664.5	2098.8	2888.8	3527.2	4465.9	4532.9	4562.1	4066.5
52.5°	991.1	1002.8	1148.5	1559.6	1929.8	2801.4	3603.0	4783.6	4859.4	4792.4	4358.0
55°	915.3	927.0	994.0	1346.8	1798.6	2623.6	3661.3	5083.9	5130.5	4973.1	4573.7
57.5°	874.5	883.3	918.2	1090.2	1638.3	2340.8	3667.2	5232.5	5250.0	5115.9	4684.5
60°	804.6	813.3	874.5	950.3	1460.4	2040.5	3565.1	5317.1	5407.4	5290.8	4897.3
62.5°	757.9	763.7	804.6	865.8	1288.5	1795.7	3267.8	5559.0	5602.8	5445.3	4970.2
65°	699.6	705.4	743.3	798.7	1177.7	1658.7	3139.5	5459.9	5299.6	5407.4	5066.4
67.5°	632.6	641.3	676.3	722.9	994.0	1524.6	2769.3	5089.7	4976.0	5215.1	4815.7
70°	571.4	577.2	615.1	641.3	816.2	1349.7	2300.0	4801.1	4920.6	4917.7	4588.3
72.5°	504.3	510.1	542.2	565.5	682.1	1142.7	1824.8	4468.8	4503.8	4378.4	4060.7
75°	434.3	437.3	466.4	489.7	559.7	915.3	1332.2	3696.3	3938.3	4186.0	3512.7
77.5°	349.8	358.6	381.9	393.5	448.9	731.7	868.7	2189.2	2501.1	3681.7	3139.5
80°	262.4	262.4	279.8	285.7	332.3	545.1	548.0	1055.3	1134.0	2340.8	2332.1
82.5°	166.2	174.9	192.4	189.5	224.5	311.9	346.9	585.9	629.7	927.0	1034.8
85°	134.1	137.0	148.7	139.9	148.7	169.1	195.3	370.2	384.8	565.5	562.6
87.5°	110.8	113.7	122.4	116.6	119.5	128.3	151.6	247.8	253.6	364.4	376.0
90°	84.5	87.5	99.1	96.2	93.3	104.9	125.3	189.5	198.2	288.6	309.0
92.5°	55.4	55.4	64.1	64.1	64.1	75.8	110.8	145.8	151.6	262.4	276.9
95°	40.8	40.8	43.7	46.6	43.7	55.4	81.6	131.2	142.8	244.9	239.0
97.5°	26.2	26.2	29.2	32.1	29.2	35.0	46.6	93.3	104.9	189.5	186.6
100°	17.5	17.5	17.5	17.5	17.5	17.5	26.2	61.2	70.0	119.5	116.6
102.5°	11.7	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	14.6	26.2	26.2
107.5°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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	0.0
155°	0.0	0.0	0.0	2.9	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	0.0
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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3
2.5°	1527.5	1518.7	1504.2	1489.6	1480.9	1472.1	1457.5	1445.9	1445.9	1460.4	1460.4
5°	1533.3	1515.8	1486.7	1475.0	1460.4	1440.0	1416.7	1399.2	1390.5	1402.1	1405.1
7.5°	1547.9	1521.7	1492.5	1466.3	1416.7	1378.8	1358.4	1335.1	1332.2	1343.8	1349.7
10°	1536.2	1510.0	1475.0	1425.5	1373.0	1343.8	1305.9	1276.8	1276.8	1268.1	1273.9
12.5°	1547.9	1512.9	1443.0	1390.5	1343.8	1279.7	1233.1	1203.9	1201.0	1209.8	1209.8
15°	1577.1	1524.6	1434.2	1370.1	1294.3	1230.2	1183.5	1151.5	1160.2	1142.7	1145.6
17.5°	1612.0	1533.3	1434.2	1323.4	1238.9	1177.7	1113.6	1075.7	1078.6	1081.5	1084.4
20°	1655.8	1556.6	1419.6	1288.5	1186.4	1099.0	1026.1	997.0	988.2	994.0	997.0
22.5°	1722.8	1609.1	1413.8	1271.0	1113.6	1029.0	964.9	906.6	900.8	900.8	900.8
25°	1833.6	1687.8	1440.0	1212.7	1075.7	947.4	874.5	819.1	792.9	795.8	798.7
27.5°	2002.6	1813.2	1466.3	1215.6	988.2	874.5	784.2	722.9	708.4	711.3	714.2
30°	2180.5	1982.2	1533.3	1157.3	938.7	763.7	670.5	626.7	609.2	600.5	603.4
32.5°	2317.5	2130.9	1626.6	1139.8	848.3	644.2	585.9	550.9	527.6	518.9	518.9
35°	2536.1	2276.7	1702.4	1096.1	755.0	568.4	521.8	483.9	472.2	466.4	466.4
37.5°	2722.7	2437.0	1781.1	1078.6	641.3	510.1	451.8	428.5	428.5	422.7	419.8
40°	2923.8	2606.1	1824.8	1026.1	553.9	448.9	390.6	387.7	396.4	396.4	396.4
42.5°	3165.8	2781.0	1871.5	964.9	486.8	379.0	346.9	370.2	390.6	396.4	396.4
45°	3346.5	2891.7	1891.9	833.7	419.8	329.4	341.1	364.4	390.6	399.4	396.4
47.5°	3501.0	3052.1	1862.7	673.4	361.5	320.7	335.2	355.6	387.7	399.4	399.4
50°	3655.5	3189.1	1842.3	486.8	338.1	320.7	335.2	344.0	379.0	393.5	393.5
52.5°	3882.9	3296.9	1760.7	408.1	320.7	323.6	341.1	341.1	373.1	390.6	399.4
55°	4174.4	3544.7	1606.2	381.9	314.8	320.7	344.0	344.0	367.3	384.8	390.6
57.5°	4293.9	3632.2	1340.9	358.6	309.0	320.7	335.2	341.1	370.2	381.9	379.0
60°	4451.3	3775.0	1099.0	335.2	297.3	314.8	323.6	344.0	367.3	370.2	367.3
62.5°	4535.8	3792.5	909.5	311.9	288.6	306.1	309.0	332.3	355.6	364.4	367.3
65°	4582.5	3775.0	673.4	288.6	279.8	294.4	297.3	317.7	341.1	346.9	349.8
67.5°	4413.4	3655.5	466.4	265.3	271.1	279.8	285.7	306.1	323.6	341.1	346.9
70°	4110.2	3308.6	332.3	236.1	256.5	265.3	276.9	297.3	314.8	338.1	344.0
72.5°	3775.0	2664.4	244.9	201.1	236.1	247.8	268.2	282.8	309.0	338.1	346.9
75°	3460.2	2337.9	195.3	172.0	201.1	227.4	253.6	274.0	311.9	413.9	428.5
77.5°	2454.5	1580.0	174.9	151.6	172.0	198.2	233.2	268.2	434.3	492.6	495.6
80°	1781.1	929.9	157.4	134.1	148.7	160.3	212.8	329.4	481.0	454.8	454.8
82.5°	892.0	498.5	148.7	119.5	128.3	131.2	189.5	419.8	387.7	405.2	408.1
85°	431.4	242.0	122.4	104.9	110.8	107.9	177.8	399.4	367.3	370.2	364.4
87.5°	271.1	148.7	96.2	87.5	90.4	87.5	169.1	381.9	384.8	314.8	320.7
90°	244.9	174.9	75.8	70.0	61.2	72.9	151.6	355.6	376.0	227.4	189.5
92.5°	236.1	189.5	55.4	49.6	43.7	58.3	113.7	288.6	230.3	96.2	58.3
95°	209.9	166.2	46.6	35.0	40.8	49.6	72.9	192.4	154.5	0.0	0.0
97.5°	157.4	122.4	37.9	23.3	131.2	43.7	40.8	125.3	43.7	0.0	0.0
100°	99.1	75.8	29.2	17.5	148.7	29.2	26.2	72.9	0.0	0.0	0.0
102.5°	55.4	40.8	14.6	11.7	64.1	14.6	17.5	17.5	0.0	0.0	0.0
105°	23.3	20.4	5.8	5.8	5.8	2.9	8.7	0.0	0.0	0.0	0.0
107.5°	5.8	8.7	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: P690851  
 CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7050

**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	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	5.8	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	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	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	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°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	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)