

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: P691464

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-5TLD-U-T5R-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6678 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G1

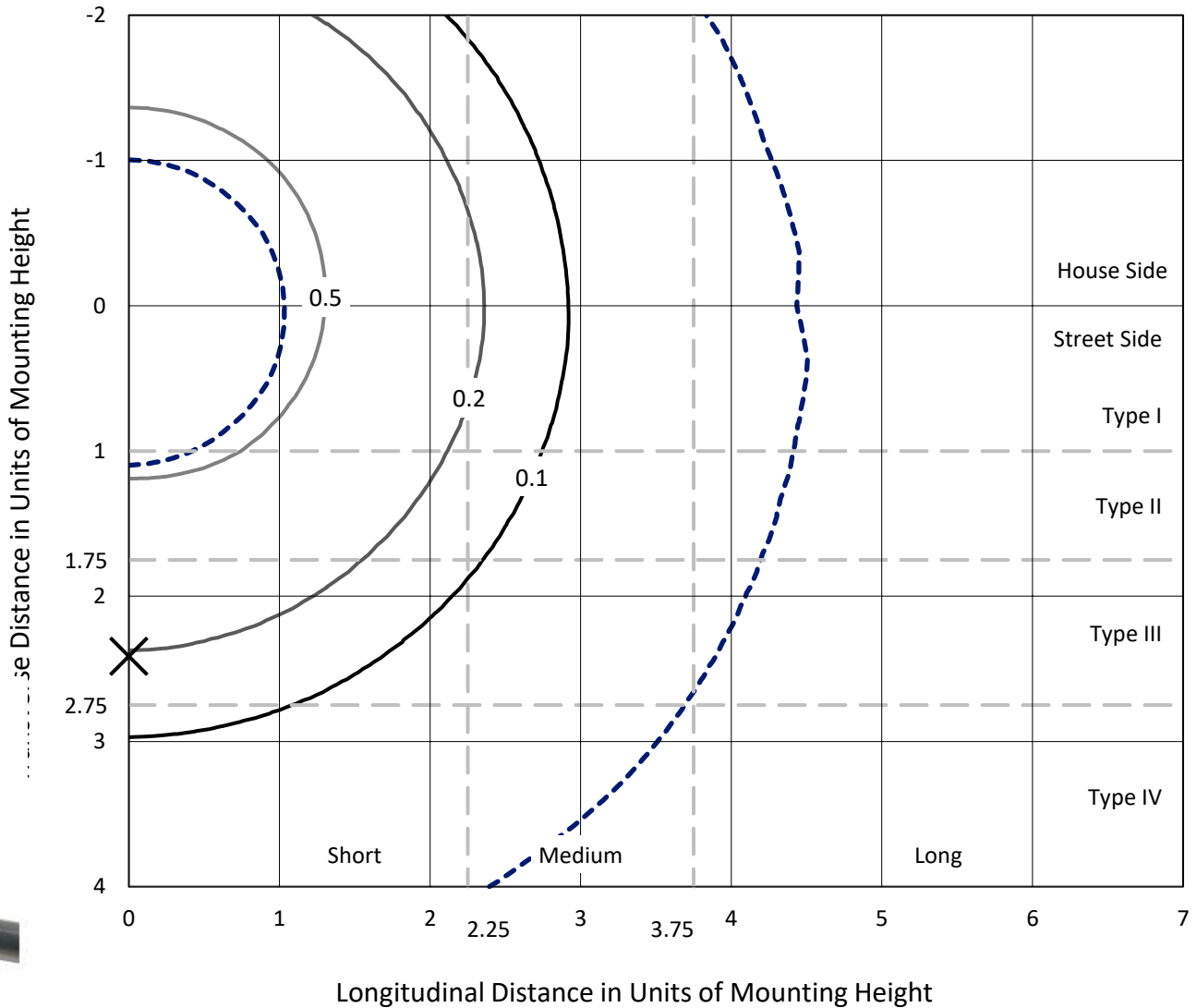
Input Watts (W): 42.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P691464  
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

### Iso-Footcandle Lines of Horizontal Illumination

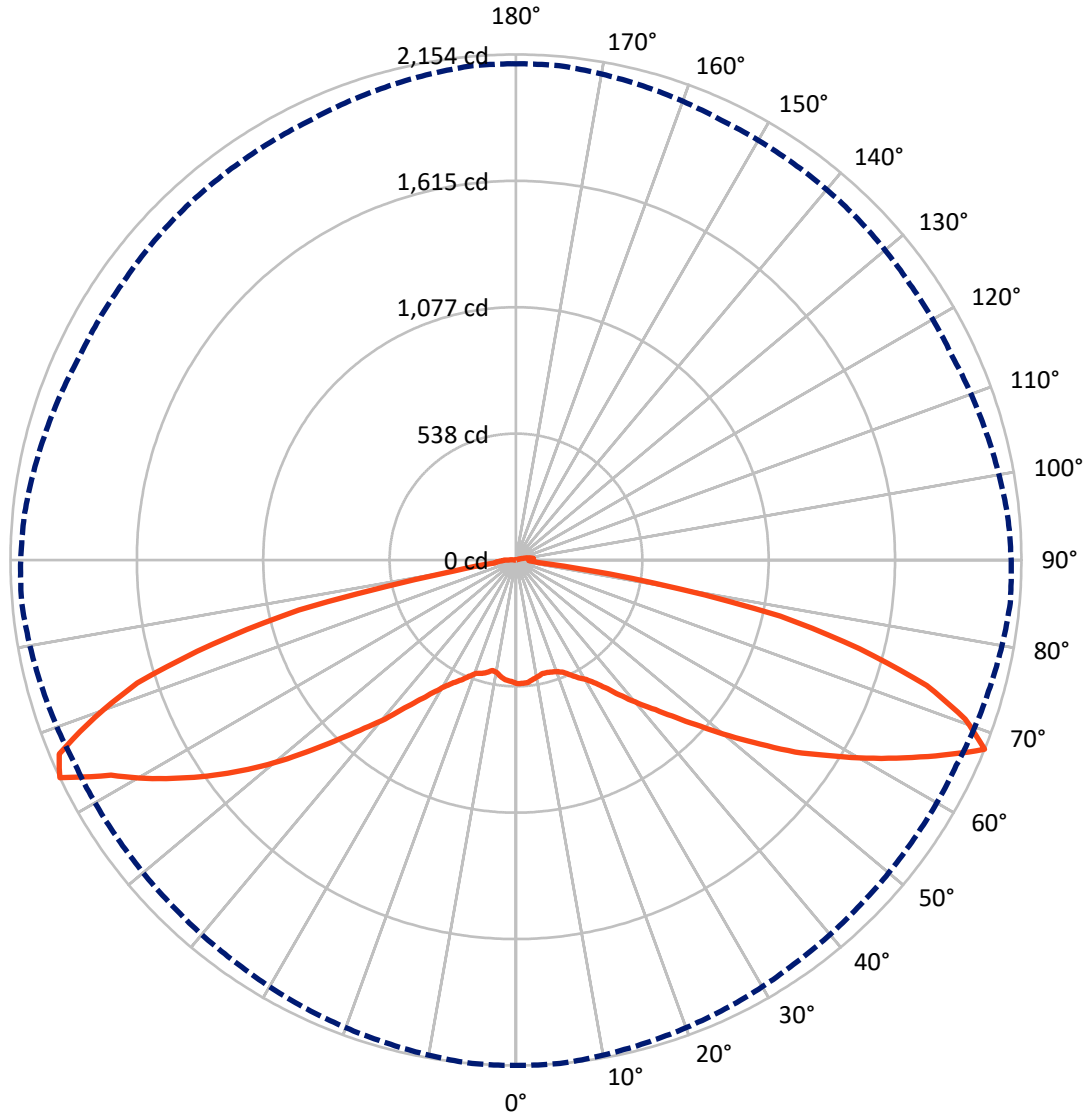
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P691464  
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691464  
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

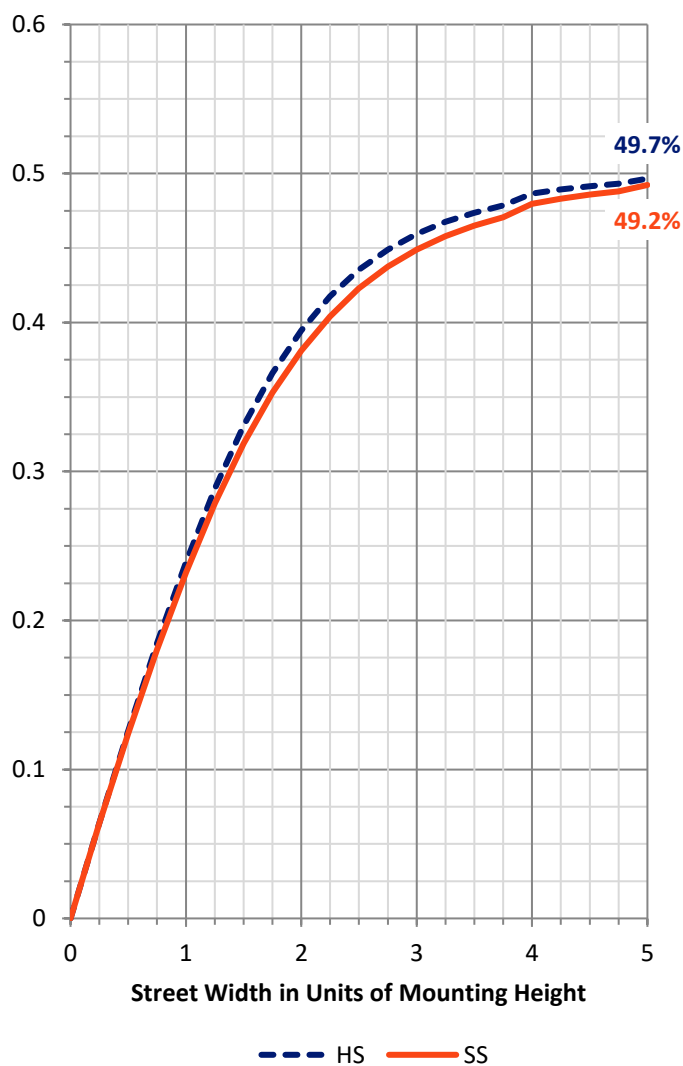
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3306.4	31.3	3337.7
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	3295.9	44.3	3340.3
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	6602.3	75.7	6678.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	0.7
10°-20°	145.3	2.2
20°-30°	262.7	3.9
30°-40°	453.0	6.8
40°-50°	803.6	12.0
50°-60°	1368.0	20.5
60°-70°	1960.0	29.4
70°-80°	1425.1	21.3
80°-90°	135.3	2.0
90°-100°	61.1	0.9
100°-110°	14.6	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6602.3	98.9
0°-180°	6678.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691464

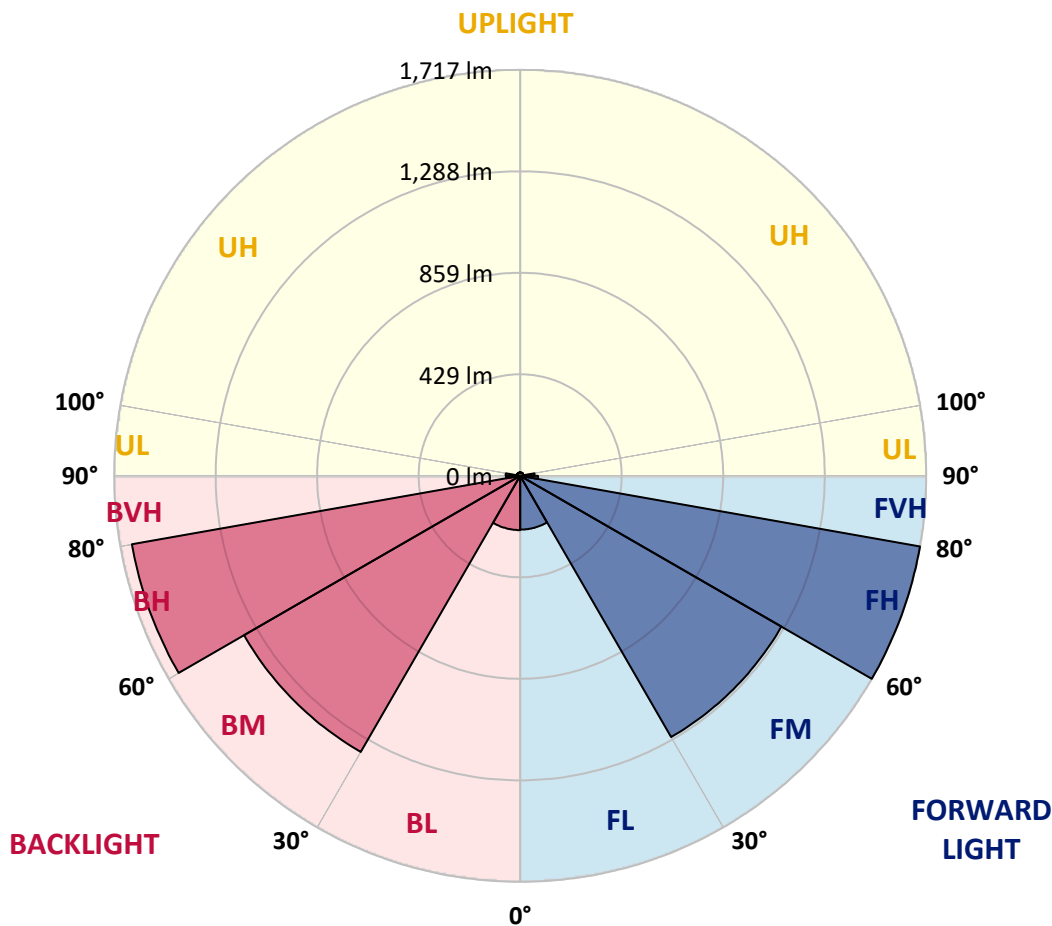
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.6	3.4			
FM (30°-60°)	1275.8	19.1			
FH (60°-80°)	1717.4	25.7			G1/1800
FVH (80°-90°)	75.2	1.1			G1/100
BL (0°-30°)	229.7	3.4	B1/500		
BM (30°-60°)	1348.8	20.2	B2/2500		
BH (60°-80°)	1667.8	25.0	B3/2500		G1/1800
BVH (80°-90°)	60.1	0.9			G1/100
UL (90°-100°)	61.1	0.9		U3/500	
UH (100°-180°)	14.6	0.2		U2/50	

**BUG Rating: B3-U3-G1**

Type V Short





REPORT NUMBER: P691464

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4
2.5°	526.4	526.4	526.4	526.4	526.4	526.4	524.4	520.2	520.2	520.2	520.2
5°	524.4	524.4	524.4	524.4	526.4	526.4	526.4	522.3	522.3	522.3	522.3
7.5°	513.9	513.9	516.0	516.0	518.1	520.2	518.1	518.1	518.1	520.2	520.2
10°	505.6	505.6	507.7	507.7	509.8	509.8	513.9	513.9	516.0	518.1	518.1
12.5°	497.3	497.3	499.4	503.5	505.6	507.7	509.8	511.9	516.0	518.1	518.1
15°	497.3	497.3	497.3	501.5	507.7	511.9	513.9	518.1	522.3	524.4	526.4
17.5°	501.5	501.5	501.5	505.6	509.8	516.0	522.3	524.4	528.5	532.7	532.7
20°	507.7	507.7	509.8	513.9	520.2	524.4	528.5	534.8	538.9	543.1	545.2
22.5°	520.2	522.3	522.3	524.4	530.6	536.8	541.0	545.2	551.4	555.6	559.7
25°	543.1	541.0	541.0	545.2	549.3	555.6	557.6	561.8	568.0	574.3	576.4
27.5°	568.0	566.0	566.0	570.1	574.3	578.5	580.5	586.8	593.0	599.3	601.3
30°	590.9	590.9	593.0	597.2	601.3	607.6	609.7	615.9	620.1	628.4	628.4
32.5°	626.3	628.4	630.5	632.5	636.7	643.0	649.2	651.3	655.4	661.7	665.8
35°	674.2	678.3	678.3	680.4	690.8	697.1	692.9	699.1	705.4	713.7	717.9
37.5°	736.6	734.5	740.7	749.1	751.2	757.4	755.3	759.5	767.8	778.2	784.4
40°	803.2	805.3	805.3	807.3	813.6	815.7	824.0	830.2	838.5	853.1	857.3
42.5°	871.8	876.0	880.2	882.2	892.6	894.7	901.0	909.3	919.7	930.1	934.3
45°	957.1	955.1	965.5	969.6	980.0	992.5	992.5	996.7	1013.3	1023.7	1030.0
47.5°	1059.1	1063.3	1069.5	1075.8	1092.4	1094.5	1104.9	1111.1	1121.5	1131.9	1134.0
50°	1177.7	1177.7	1184.0	1196.4	1206.8	1217.2	1223.5	1231.8	1240.1	1256.8	1265.1
52.5°	1302.6	1304.6	1313.0	1325.4	1342.1	1344.2	1350.4	1365.0	1371.2	1375.4	1389.9
55°	1444.0	1437.8	1444.0	1462.8	1481.5	1479.4	1481.5	1498.1	1508.5	1516.9	1521.0
57.5°	1573.1	1573.1	1579.3	1593.9	1598.0	1604.3	1606.3	1620.9	1633.4	1643.8	1645.9
60°	1714.5	1712.5	1716.6	1729.1	1743.7	1743.7	1741.6	1756.2	1768.6	1770.7	1785.3
62.5°	1856.0	1849.8	1854.0	1862.3	1870.6	1862.3	1870.6	1883.1	1893.5	1901.8	1906.0
65°	2003.8	1995.4	1997.5	1989.2	1976.7	1966.3	1985.0	2020.4	2051.6	2068.3	2070.4
67.5°	2153.6	2153.6	2130.7	2109.9	2089.1	2076.6	2070.4	2070.4	2091.2	2114.0	2109.9
70°	2030.8	2035.0	2016.3	2001.7	1968.4	1958.0	1951.7	1930.9	1941.3	1947.6	1933.0
72.5°	1831.1	1808.2	1799.9	1793.6	1768.6	1749.9	1729.1	1714.5	1708.3	1712.5	1695.8
75°	1512.7	1558.5	1533.5	1521.0	1504.4	1496.1	1442.0	1425.3	1423.2	1439.9	1439.9
77.5°	1150.7	1175.6	1159.0	1165.2	1140.3	1136.1	1115.3	1096.6	1082.0	1077.8	1036.2
80°	597.2	615.9	620.1	640.9	636.7	624.2	609.7	555.6	541.0	549.3	509.8
82.5°	108.2	112.4	114.4	116.5	108.2	112.4	114.4	104.0	110.3	108.2	104.0
85°	62.4	62.4	64.5	64.5	60.3	56.2	60.3	58.3	58.3	62.4	62.4
87.5°	54.1	56.2	58.3	58.3	52.0	47.9	52.0	52.0	54.1	56.2	56.2
90°	56.2	56.2	60.3	60.3	54.1	49.9	56.2	58.3	58.3	58.3	60.3
92.5°	74.9	72.8	74.9	74.9	68.7	64.5	72.8	72.8	72.8	72.8	74.9
95°	72.8	70.7	72.8	70.7	66.6	62.4	68.7	70.7	70.7	70.7	72.8
97.5°	62.4	62.4	62.4	62.4	56.2	54.1	62.4	62.4	60.3	60.3	62.4
100°	47.9	45.8	45.8	45.8	43.7	43.7	47.9	45.8	43.7	45.8	47.9
102.5°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	29.1	29.1	29.1	33.3
105°	18.7	18.7	16.6	16.6	16.6	16.6	16.6	14.6	14.6	14.6	18.7
107.5°	6.2	6.2	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	6.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691464  
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
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	0.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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





REPORT NUMBER: P691464

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4	526.4
2.5°	522.3	522.3	524.4	522.3	522.3	520.2	518.1	516.0	518.1	518.1
5°	522.3	524.4	522.3	520.2	518.1	516.0	516.0	511.9	511.9	513.9
7.5°	520.2	524.4	520.2	518.1	511.9	509.8	507.7	503.5	503.5	503.5
10°	518.1	518.1	516.0	507.7	503.5	497.3	495.2	491.1	489.0	486.9
12.5°	518.1	518.1	511.9	505.6	499.4	491.1	489.0	484.8	482.7	480.7
15°	524.4	526.4	522.3	513.9	503.5	501.5	495.2	493.1	491.1	495.2
17.5°	534.8	532.7	528.5	520.2	513.9	511.9	503.5	503.5	501.5	505.6
20°	545.2	541.0	536.8	532.7	524.4	520.2	520.2	513.9	516.0	511.9
22.5°	557.6	559.7	553.5	547.2	541.0	538.9	536.8	536.8	534.8	534.8
25°	578.5	578.5	574.3	568.0	563.9	559.7	557.6	559.7	555.6	561.8
27.5°	603.4	601.3	601.3	597.2	590.9	588.9	586.8	588.9	586.8	586.8
30°	628.4	632.5	628.4	626.3	622.1	622.1	620.1	620.1	622.1	620.1
32.5°	667.9	670.0	670.0	667.9	663.8	661.7	661.7	663.8	667.9	665.8
35°	719.9	722.0	726.2	730.3	730.3	726.2	722.0	719.9	722.0	722.0
37.5°	788.6	790.7	794.8	794.8	792.8	790.7	792.8	796.9	788.6	788.6
40°	859.4	857.3	861.4	865.6	867.7	865.6	863.5	867.7	871.8	878.1
42.5°	938.4	942.6	944.7	953.0	957.1	957.1	955.1	961.3	963.4	963.4
45°	1032.1	1042.5	1038.3	1052.9	1065.3	1067.4	1061.2	1065.3	1061.2	1065.3
47.5°	1140.3	1148.6	1156.9	1169.4	1175.6	1179.8	1177.7	1181.9	1186.0	1186.0
50°	1263.0	1269.3	1283.8	1300.5	1310.9	1310.9	1302.6	1310.9	1319.2	1317.1
52.5°	1392.0	1404.5	1419.1	1433.6	1442.0	1444.0	1444.0	1450.3	1448.2	1448.2
55°	1527.3	1537.7	1556.4	1564.7	1575.1	1579.3	1579.3	1581.4	1579.3	1579.3
57.5°	1656.3	1668.8	1683.3	1700.0	1710.4	1714.5	1710.4	1710.4	1710.4	1706.2
60°	1789.5	1797.8	1812.3	1824.8	1831.1	1839.4	1839.4	1837.3	1835.2	1833.1
62.5°	1912.2	1916.4	1920.5	1922.6	1928.9	1945.5	1945.5	1955.9	1955.9	1953.8
65°	2072.4	2053.7	2037.1	2041.2	2055.8	2070.4	2082.8	2124.5	2145.3	2153.6
67.5°	2103.6	2076.6	2051.6	2049.5	2057.9	2062.0	2068.3	2091.2	2114.0	2114.0
70°	1920.5	1903.9	1881.0	1891.4	1897.6	1891.4	1899.7	1914.3	1935.1	1916.4
72.5°	1683.3	1656.3	1672.9	1683.3	1672.9	1664.6	1668.8	1666.7	1681.3	1695.8
75°	1421.2	1365.0	1365.0	1365.0	1369.1	1350.4	1350.4	1352.5	1379.5	1342.1
77.5°	1052.9	1013.3	1002.9	961.3	957.1	932.2	948.8	938.4	963.4	948.8
80°	491.1	474.4	468.2	426.6	418.2	351.6	376.6	335.0	347.5	312.1
82.5°	102.0	99.9	97.8	87.4	79.1	68.7	81.1	91.6	93.6	91.6
85°	64.5	66.6	66.6	62.4	58.3	52.0	62.4	77.0	81.1	81.1
87.5°	56.2	58.3	58.3	56.2	52.0	45.8	52.0	58.3	60.3	58.3
90°	60.3	62.4	60.3	58.3	54.1	47.9	54.1	56.2	45.8	47.9
92.5°	72.8	72.8	70.7	70.7	68.7	60.3	66.6	54.1	20.8	6.2
95°	70.7	68.7	68.7	66.6	64.5	54.1	54.1	14.6	0.0	0.0
97.5°	60.3	56.2	56.2	54.1	54.1	45.8	33.3	0.0	0.0	0.0
100°	45.8	39.5	39.5	37.5	37.5	31.2	12.5	0.0	0.0	0.0
102.5°	31.2	25.0	22.9	20.8	20.8	18.7	2.1	0.0	0.0	0.0
105°	16.6	10.4	8.3	6.2	6.2	4.2	0.0	0.0	0.0	0.0
107.5°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691464  
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)