

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: P690912

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690912  
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-C01-5TLD-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: 9353 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2

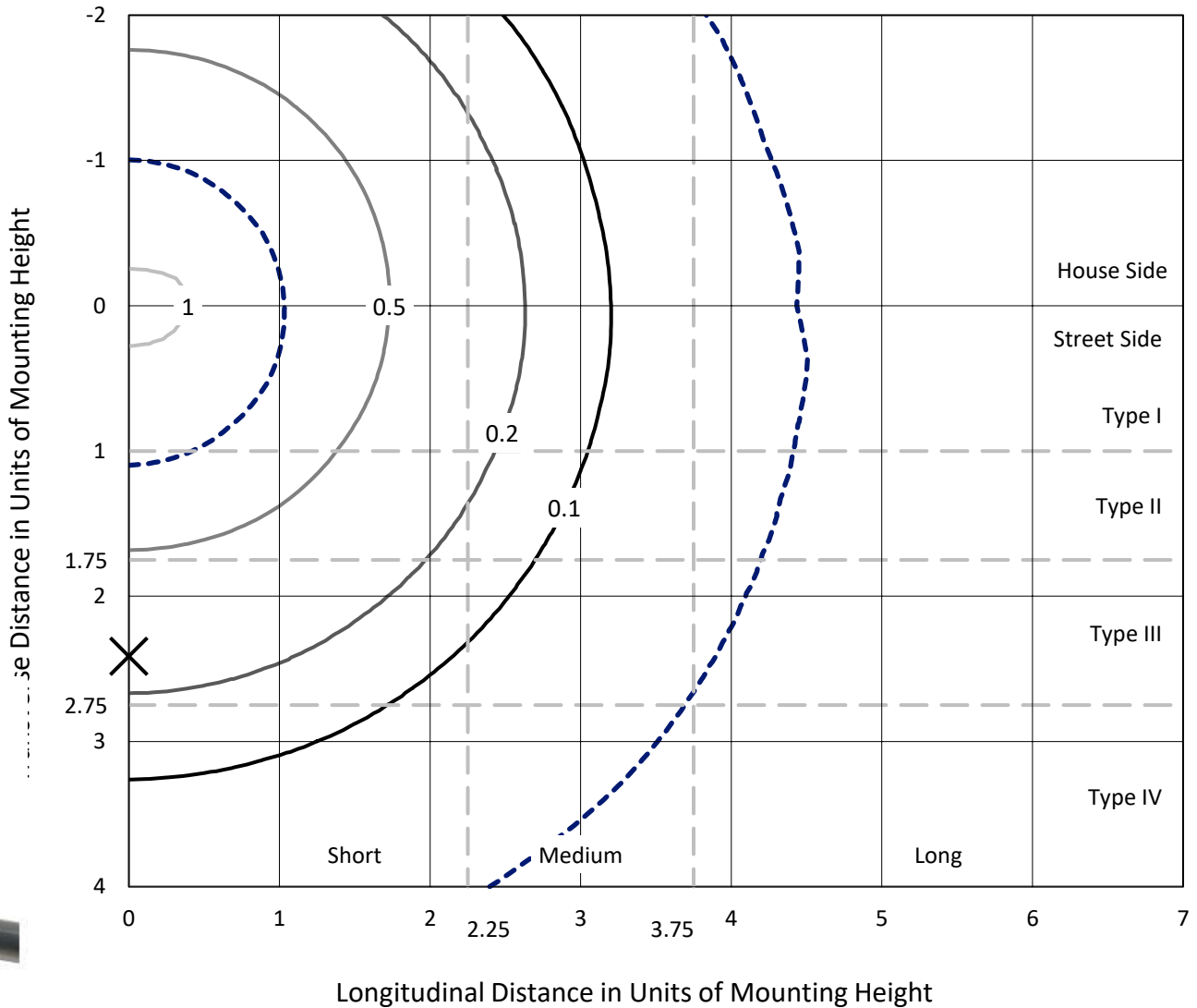
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

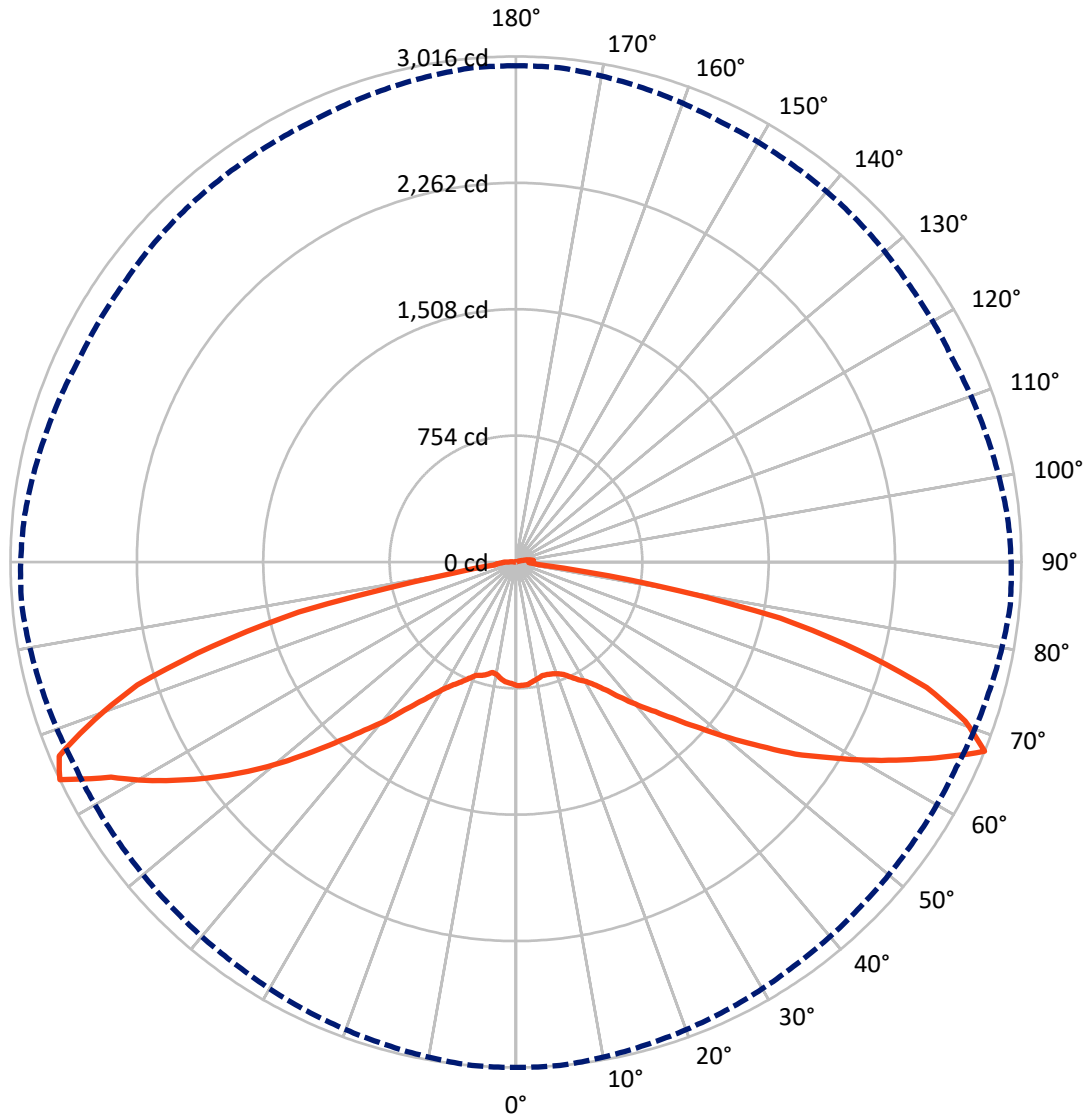
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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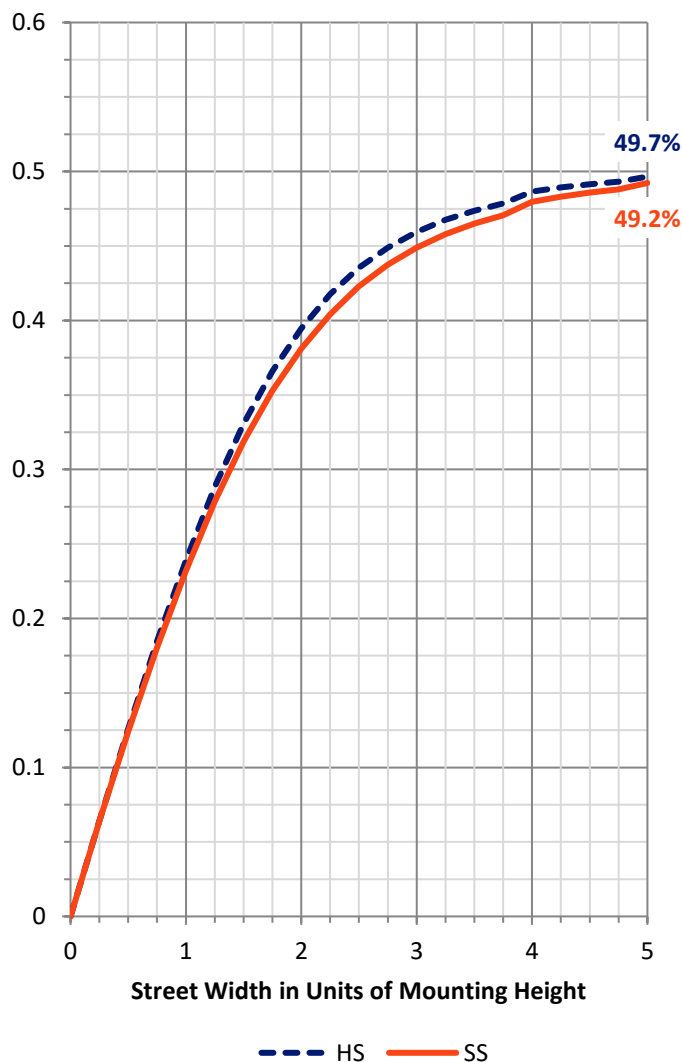
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4630.8	43.9	4674.7
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	4616.2	62.1	4678.3
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	9247.0	106.0	9353.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	0.7
10°-20°	203.5	2.2
20°-30°	367.9	3.9
30°-40°	634.4	6.8
40°-50°	1125.5	12.0
50°-60°	1916.0	20.5
60°-70°	2745.1	29.4
70°-80°	1996.0	21.3
80°-90°	189.5	2.0
90°-100°	85.5	0.9
100°-110°	20.4	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°	9247.0	98.9
0°-180°	9353.0	100.0

**Coefficient of Utilization**



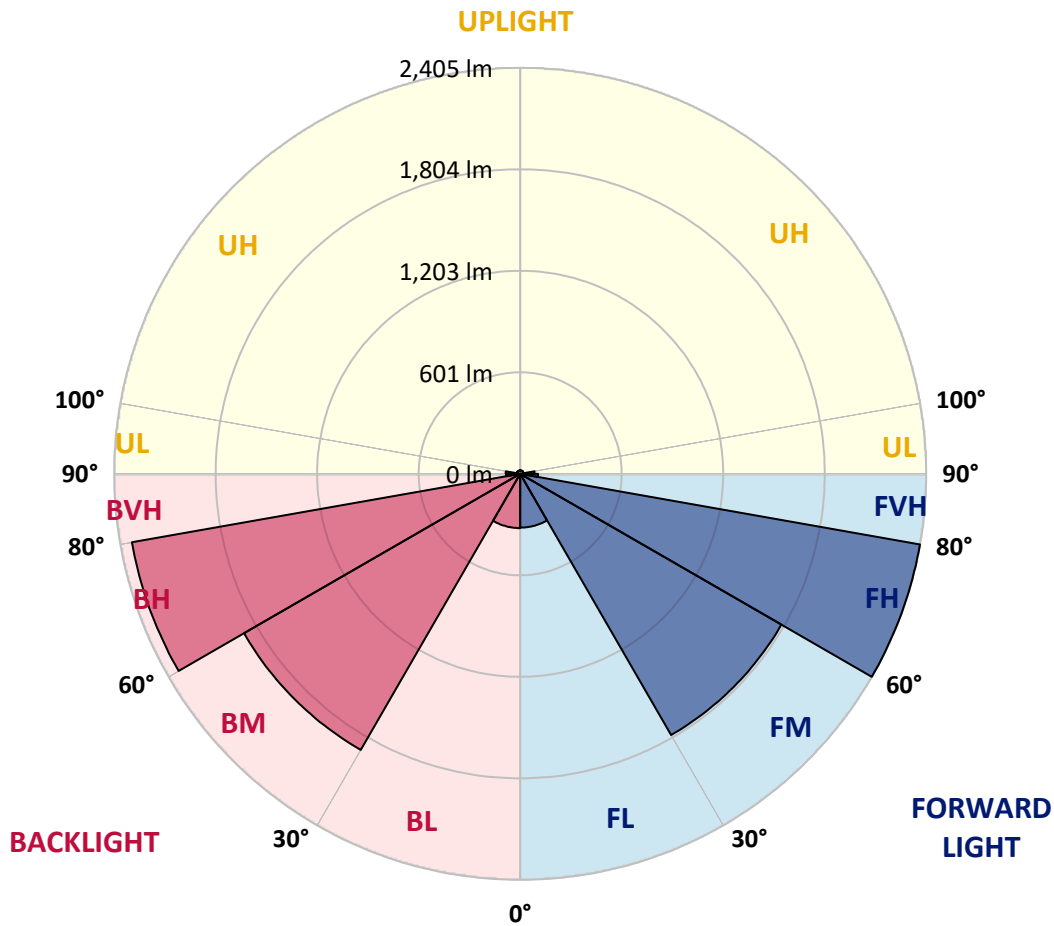
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.7	3.4			
FM (30°-60°)	1786.9	19.1			
FH (60°-80°)	2405.3	25.7			G2/5000
FVH (80°-90°)	105.3	1.1			G2/225
BL (0°-30°)	321.7	3.4	B1/500		
BM (30°-60°)	1889.1	20.2	B2/2500		
BH (60°-80°)	2335.8	25.0	B3/2500		G2/5000
BVH (80°-90°)	84.2	0.9			G1/100
UL (90°-100°)	85.5	0.9		U3/500	
UH (100°-180°)	20.4	0.2		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	737.3	737.3	737.3	737.3	737.3	737.3	734.4	728.6	728.6	728.6	728.6
5°	734.4	734.4	734.4	734.4	737.3	737.3	737.3	731.5	731.5	731.5	731.5
7.5°	719.8	719.8	722.7	722.7	725.6	728.6	725.6	725.6	725.6	728.6	728.6
10°	708.2	708.2	711.1	711.1	714.0	714.0	719.8	719.8	722.7	725.6	725.6
12.5°	696.5	696.5	699.4	705.2	708.2	711.1	714.0	716.9	722.7	725.6	725.6
15°	696.5	696.5	696.5	702.3	711.1	716.9	719.8	725.6	731.5	734.4	737.3
17.5°	702.3	702.3	702.3	708.2	714.0	722.7	731.5	734.4	740.2	746.0	746.0
20°	711.1	711.1	714.0	719.8	728.6	734.4	740.2	749.0	754.8	760.6	763.5
22.5°	728.6	731.5	731.5	734.4	743.1	751.9	757.7	763.5	772.3	778.1	783.9
25°	760.6	757.7	757.7	763.5	769.4	778.1	781.0	786.8	795.6	804.3	807.2
27.5°	795.6	792.7	792.7	798.5	804.3	810.2	813.1	821.8	830.6	839.3	842.2
30°	827.6	827.6	830.6	836.4	842.2	851.0	853.9	862.6	868.4	880.1	880.1
32.5°	877.2	880.1	883.0	885.9	891.8	900.5	909.2	912.2	918.0	926.7	932.6
35°	944.2	950.0	950.0	953.0	967.5	976.3	970.4	979.2	987.9	999.6	1005.4
37.5°	1031.6	1028.7	1037.5	1049.1	1052.0	1060.8	1057.9	1063.7	1075.4	1089.9	1098.7
40°	1124.9	1127.8	1127.8	1130.7	1139.5	1142.4	1154.0	1162.8	1174.4	1194.8	1200.7
42.5°	1221.1	1226.9	1232.7	1235.6	1250.2	1253.1	1261.9	1273.5	1288.1	1302.7	1308.5
45°	1340.6	1337.6	1352.2	1358.0	1372.6	1390.1	1390.1	1395.9	1419.2	1433.8	1442.6
47.5°	1483.3	1489.2	1497.9	1506.7	1530.0	1532.9	1547.5	1556.2	1570.8	1585.3	1588.3
50°	1649.5	1649.5	1658.2	1675.7	1690.3	1704.8	1713.6	1725.2	1736.9	1760.2	1771.9
52.5°	1824.3	1827.2	1838.9	1856.4	1879.7	1882.6	1891.3	1911.7	1920.5	1926.3	1946.7
55°	2022.5	2013.7	2022.5	2048.7	2074.9	2072.0	2074.9	2098.3	2112.8	2124.5	2130.3
57.5°	2203.2	2203.2	2211.9	2232.3	2238.1	2246.9	2249.8	2270.2	2287.7	2302.3	2305.2
60°	2401.3	2398.4	2404.3	2421.7	2442.1	2442.1	2439.2	2459.6	2477.1	2480.0	2500.4
62.5°	2599.5	2590.8	2596.6	2608.2	2619.9	2608.2	2619.9	2637.4	2652.0	2663.6	2669.4
65°	2806.4	2794.8	2797.7	2786.0	2768.5	2754.0	2780.2	2829.7	2873.4	2896.8	2899.7
67.5°	3016.2	3016.2	2984.2	2955.0	2925.9	2908.4	2899.7	2899.7	2928.8	2960.9	2955.0
70°	2844.3	2850.1	2823.9	2803.5	2756.9	2742.3	2733.6	2704.4	2719.0	2727.7	2707.3
72.5°	2564.5	2532.5	2520.8	2512.1	2477.1	2450.9	2421.7	2401.3	2392.6	2398.4	2375.1
75°	2118.7	2182.8	2147.8	2130.3	2107.0	2095.3	2019.6	1996.3	1993.3	2016.7	2016.7
77.5°	1611.6	1646.5	1623.2	1632.0	1597.0	1591.2	1562.0	1535.8	1515.4	1509.6	1451.3
80°	836.4	862.6	868.4	897.6	891.8	874.3	853.9	778.1	757.7	769.4	714.0
82.5°	151.5	157.4	160.3	163.2	151.5	157.4	160.3	145.7	154.5	151.5	145.7
85°	87.4	87.4	90.3	90.3	84.5	78.7	84.5	81.6	81.6	87.4	87.4
87.5°	75.8	78.7	81.6	81.6	72.9	67.0	72.9	72.9	75.8	78.7	78.7
90°	78.7	78.7	84.5	84.5	75.8	69.9	78.7	81.6	81.6	81.6	84.5
92.5°	104.9	102.0	104.9	104.9	96.2	90.3	102.0	102.0	102.0	102.0	104.9
95°	102.0	99.1	102.0	99.1	93.3	87.4	96.2	99.1	99.1	99.1	102.0
97.5°	87.4	87.4	87.4	87.4	78.7	75.8	87.4	87.4	84.5	84.5	87.4
100°	67.0	64.1	64.1	64.1	61.2	61.2	67.0	64.1	61.2	64.1	67.0
102.5°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	40.8	40.8	40.8	46.6
105°	26.2	26.2	23.3	23.3	23.3	23.3	23.3	20.4	20.4	20.4	26.2
107.5°	8.7	8.7	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9	8.7
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°	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





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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3	737.3
2.5°	731.5	731.5	734.4	731.5	731.5	728.6	725.6	722.7	725.6	725.6
5°	731.5	734.4	731.5	728.6	725.6	722.7	722.7	716.9	716.9	719.8
7.5°	728.6	734.4	728.6	725.6	716.9	714.0	711.1	705.2	705.2	705.2
10°	725.6	725.6	722.7	711.1	705.2	696.5	693.6	687.8	684.8	681.9
12.5°	725.6	725.6	716.9	708.2	699.4	687.8	684.8	679.0	676.1	673.2
15°	734.4	737.3	731.5	719.8	705.2	702.3	693.6	690.7	687.8	693.6
17.5°	749.0	746.0	740.2	728.6	719.8	716.9	705.2	705.2	702.3	708.2
20°	763.5	757.7	751.9	746.0	734.4	728.6	728.6	719.8	722.7	716.9
22.5°	781.0	783.9	775.2	766.4	757.7	754.8	751.9	751.9	749.0	749.0
25°	810.2	810.2	804.3	795.6	789.8	783.9	781.0	783.9	778.1	786.8
27.5°	845.1	842.2	842.2	836.4	827.6	824.7	821.8	824.7	821.8	821.8
30°	880.1	885.9	880.1	877.2	871.4	871.4	868.4	868.4	871.4	868.4
32.5°	935.5	938.4	938.4	935.5	929.6	926.7	926.7	929.6	935.5	932.6
35°	1008.3	1011.2	1017.1	1022.9	1022.9	1017.1	1011.2	1008.3	1011.2	1011.2
37.5°	1104.5	1107.4	1113.2	1113.2	1110.3	1107.4	1110.3	1116.2	1104.5	1104.5
40°	1203.6	1200.7	1206.5	1212.3	1215.2	1212.3	1209.4	1215.2	1221.1	1229.8
42.5°	1314.3	1320.2	1323.1	1334.7	1340.6	1340.6	1337.6	1346.4	1349.3	1349.3
45°	1445.5	1460.0	1454.2	1474.6	1492.1	1495.0	1486.3	1492.1	1486.3	1492.1
47.5°	1597.0	1608.7	1620.3	1637.8	1646.5	1652.4	1649.5	1655.3	1661.1	1661.1
50°	1768.9	1777.7	1798.1	1821.4	1836.0	1836.0	1824.3	1836.0	1847.6	1844.7
52.5°	1949.6	1967.1	1987.5	2007.9	2019.6	2022.5	2022.5	2031.2	2028.3	2028.3
55°	2139.1	2153.6	2179.9	2191.5	2206.1	2211.9	2211.9	2214.8	2211.9	2211.9
57.5°	2319.7	2337.2	2357.6	2380.9	2395.5	2401.3	2395.5	2395.5	2395.5	2389.7
60°	2506.2	2517.9	2538.3	2555.8	2564.5	2576.2	2576.2	2573.3	2570.4	2567.4
62.5°	2678.2	2684.0	2689.8	2692.8	2701.5	2724.8	2724.8	2739.4	2739.4	2736.5
65°	2902.6	2876.4	2853.0	2858.9	2879.3	2899.7	2917.2	2975.4	3004.6	3016.2
67.5°	2946.3	2908.4	2873.4	2870.5	2882.2	2888.0	2896.8	2928.8	2960.9	2960.9
70°	2689.8	2666.5	2634.5	2649.0	2657.8	2649.0	2660.7	2681.1	2710.2	2684.0
72.5°	2357.6	2319.7	2343.1	2357.6	2343.1	2331.4	2337.2	2334.3	2354.7	2375.1
75°	1990.4	1911.7	1911.7	1911.7	1917.6	1891.3	1891.3	1894.3	1932.1	1879.7
77.5°	1474.6	1419.2	1404.7	1346.4	1340.6	1305.6	1328.9	1314.3	1349.3	1328.9
80°	687.8	664.4	655.7	597.4	585.8	492.5	527.5	469.2	486.7	437.1
82.5°	142.8	139.9	137.0	122.4	110.7	96.2	113.7	128.2	131.1	128.2
85°	90.3	93.3	93.3	87.4	81.6	72.9	87.4	107.8	113.7	113.7
87.5°	78.7	81.6	81.6	78.7	72.9	64.1	72.9	81.6	84.5	81.6
90°	84.5	87.4	84.5	81.6	75.8	67.0	75.8	78.7	64.1	67.0
92.5°	102.0	102.0	99.1	99.1	96.2	84.5	93.3	75.8	29.1	8.7
95°	99.1	96.2	96.2	93.3	90.3	75.8	75.8	20.4	0.0	0.0
97.5°	84.5	78.7	78.7	75.8	75.8	64.1	46.6	0.0	0.0	0.0
100°	64.1	55.4	55.4	52.5	52.5	43.7	17.5	0.0	0.0	0.0
102.5°	43.7	35.0	32.1	29.1	29.1	26.2	2.9	0.0	0.0	0.0
105°	23.3	14.6	11.7	8.7	8.7	5.8	0.0	0.0	0.0	0.0
107.5°	8.7	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: P690912  
 CATALOG NUMBER: CRTK2-C01-5TLD-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)