

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: P691004

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691004  
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-D-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: 9359 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2

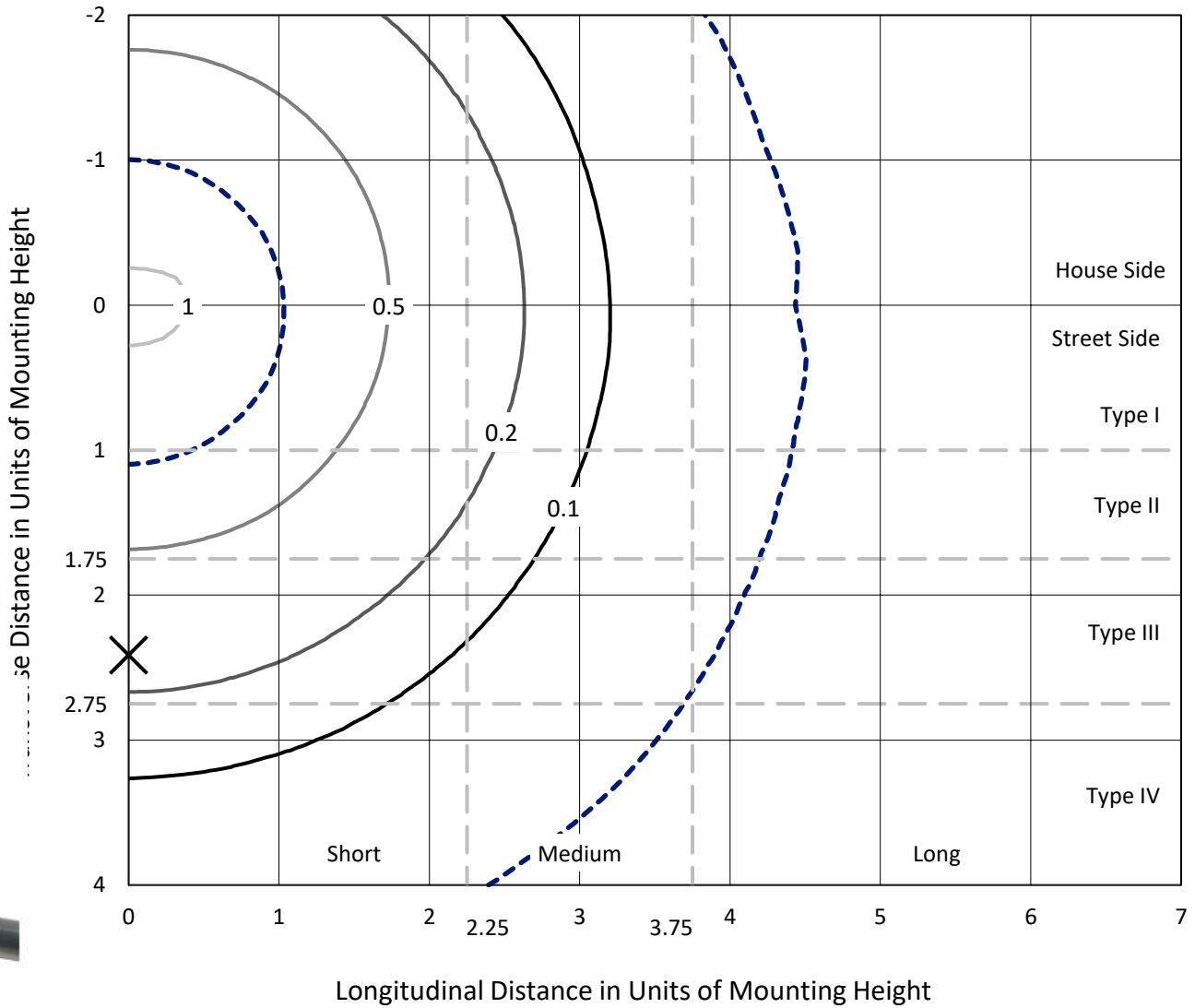
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

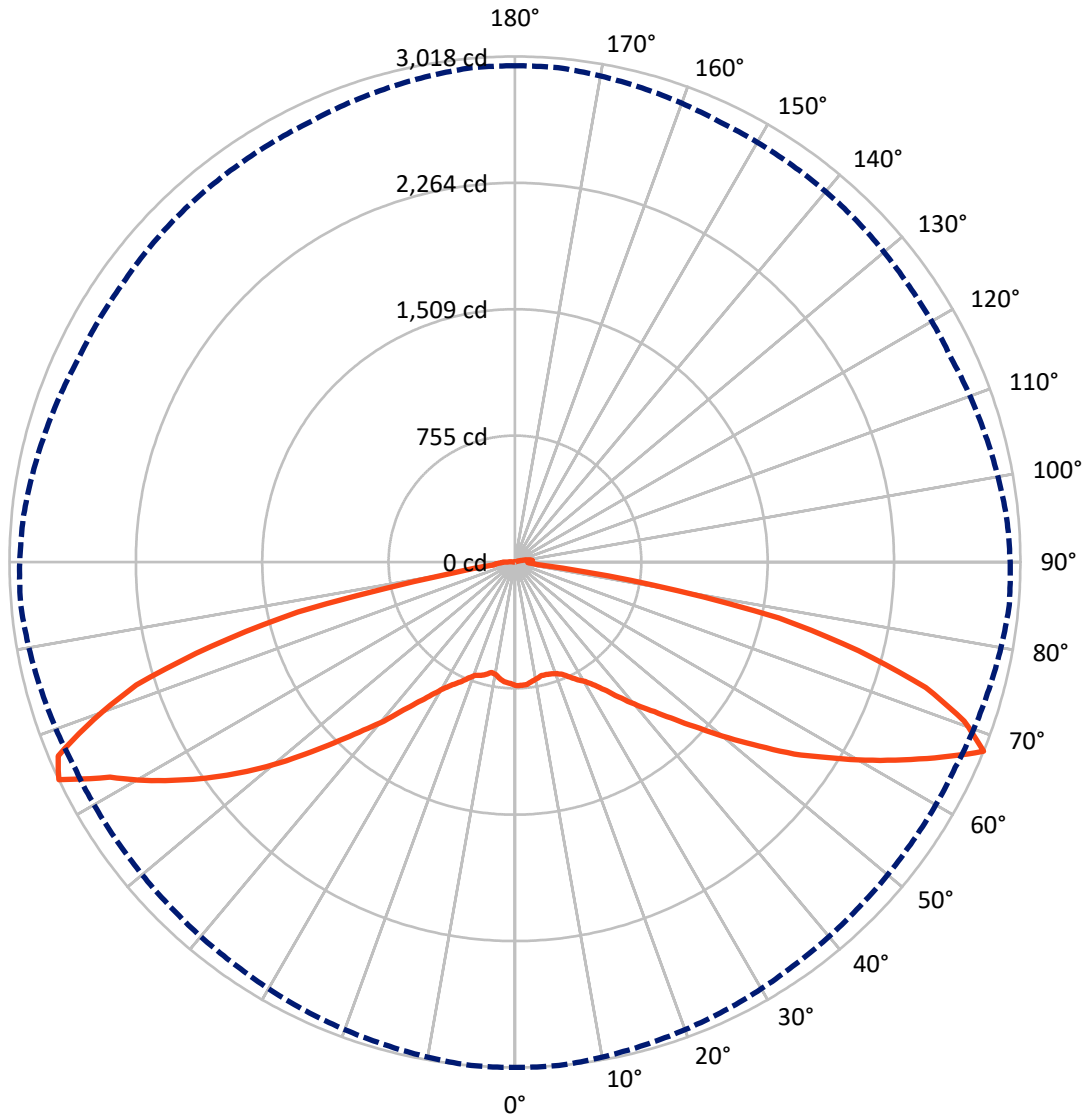
✕ Max cd  
 - - - 1/2 Max cd



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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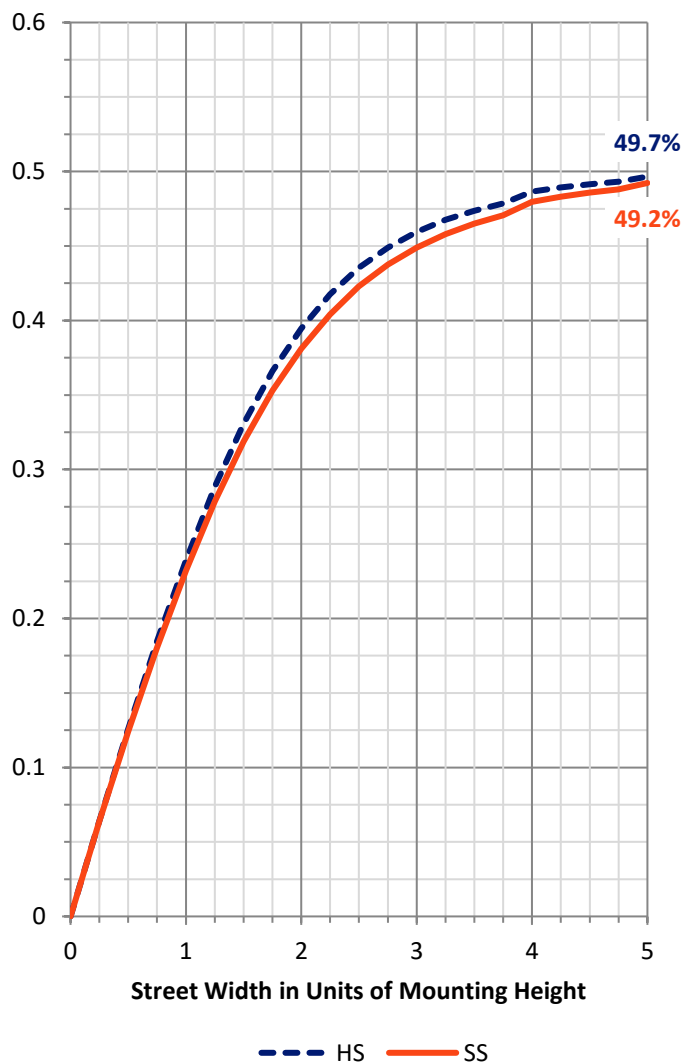
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4633.8	43.9	4677.7
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	4619.1	62.1	4681.3
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	9253.0	106.0	9359.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.1	0.7
10°-20°	203.7	2.2
20°-30°	368.1	3.9
30°-40°	634.8	6.8
40°-50°	1126.2	12.0
50°-60°	1917.3	20.5
60°-70°	2746.9	29.4
70°-80°	1997.3	21.3
80°-90°	189.6	2.0
90°-100°	85.6	0.9
100°-110°	20.5	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°	9253.0	98.9
0°-180°	9359.0	100.0

**Coefficient of Utilization**

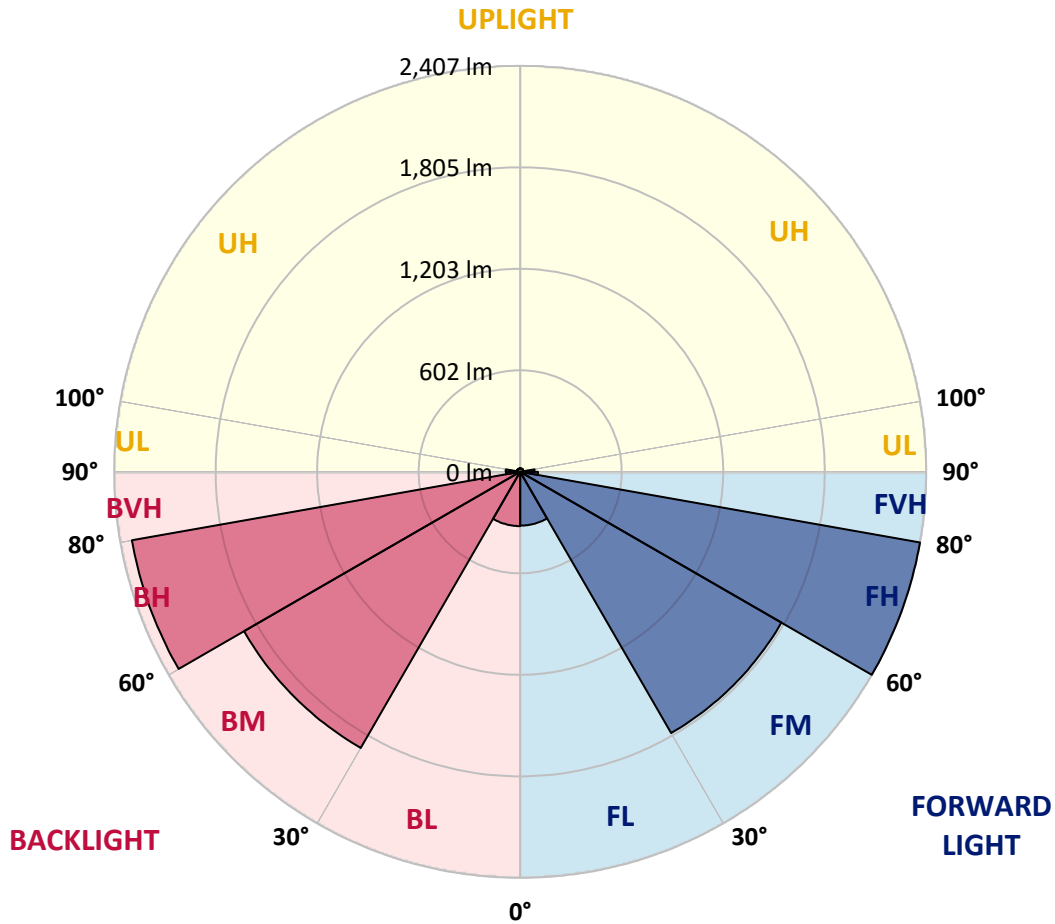


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.0	3.4			
FM (30°-60°)	1788.0	19.1			
FH (60°-80°)	2406.8	25.7			G2/5000
FVH (80°-90°)	105.3	1.1			G2/225
BL (0°-30°)	321.9	3.4	B1/500		
BM (30°-60°)	1890.3	20.2	B2/2500		
BH (60°-80°)	2337.3	25.0	B3/2500		G2/5000
BVH (80°-90°)	84.3	0.9			G1/100
UL (90°-100°)	85.6	0.9		U3/500	
UH (100°-180°)	20.5	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°	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8
2.5°	737.8	737.8	737.8	737.8	737.8	737.8	734.9	729.0	729.0	729.0	729.0
5°	734.9	734.9	734.9	734.9	737.8	737.8	737.8	731.9	731.9	731.9	731.9
7.5°	720.3	720.3	723.2	723.2	726.1	729.0	726.1	726.1	726.1	729.0	729.0
10°	708.6	708.6	711.5	711.5	714.4	714.4	720.3	720.3	723.2	726.1	726.1
12.5°	697.0	697.0	699.9	705.7	708.6	711.5	714.4	717.4	723.2	726.1	726.1
15°	697.0	697.0	697.0	702.8	711.5	717.4	720.3	726.1	731.9	734.9	737.8
17.5°	702.8	702.8	702.8	708.6	714.4	723.2	731.9	734.9	740.7	746.5	746.5
20°	711.5	711.5	714.4	720.3	729.0	734.9	740.7	749.4	755.3	761.1	764.0
22.5°	729.0	731.9	731.9	734.9	743.6	752.4	758.2	764.0	772.8	778.6	784.4
25°	761.1	758.2	758.2	764.0	769.9	778.6	781.5	787.4	796.1	804.8	807.8
27.5°	796.1	793.2	793.2	799.0	804.8	810.7	813.6	822.3	831.1	839.8	842.8
30°	828.2	828.2	831.1	836.9	842.8	851.5	854.4	863.2	869.0	880.7	880.7
32.5°	877.7	880.7	883.6	886.5	892.3	901.1	909.8	912.7	918.6	927.3	933.2
35°	944.8	950.7	950.7	953.6	968.1	976.9	971.1	979.8	988.6	1000.2	1006.1
37.5°	1032.3	1029.4	1038.1	1049.8	1052.7	1061.5	1058.5	1064.4	1076.0	1090.6	1099.4
40°	1125.6	1128.5	1128.5	1131.5	1140.2	1143.1	1154.8	1163.5	1175.2	1195.6	1201.4
42.5°	1221.9	1227.7	1233.5	1236.4	1251.0	1253.9	1262.7	1274.3	1288.9	1303.5	1309.3
45°	1341.4	1338.5	1353.1	1358.9	1373.5	1391.0	1391.0	1396.8	1420.1	1434.7	1443.5
47.5°	1484.3	1490.1	1498.9	1507.6	1531.0	1533.9	1548.5	1557.2	1571.8	1586.4	1589.3
50°	1650.5	1650.5	1659.3	1676.8	1691.3	1705.9	1714.7	1726.3	1738.0	1761.3	1773.0
52.5°	1825.5	1828.4	1840.1	1857.6	1880.9	1883.8	1892.6	1913.0	1921.7	1927.6	1948.0
55°	2023.8	2015.0	2023.8	2050.0	2076.3	2073.4	2076.3	2099.6	2114.2	2125.8	2131.7
57.5°	2204.6	2204.6	2213.3	2233.7	2239.6	2248.3	2251.2	2271.7	2289.1	2303.7	2306.6
60°	2402.9	2400.0	2405.8	2423.3	2443.7	2443.7	2440.8	2461.2	2478.7	2481.6	2502.0
62.5°	2601.2	2592.4	2598.3	2609.9	2621.6	2609.9	2621.6	2639.1	2653.7	2665.3	2671.2
65°	2808.2	2796.6	2799.5	2787.8	2770.3	2755.7	2782.0	2831.5	2875.3	2898.6	2901.5
67.5°	3018.2	3018.2	2986.1	2956.9	2927.8	2910.3	2901.5	2901.5	2930.7	2962.8	2956.9
70°	2846.1	2852.0	2825.7	2805.3	2758.6	2744.1	2735.3	2706.2	2720.7	2729.5	2709.1
72.5°	2566.2	2534.1	2522.4	2513.7	2478.7	2452.5	2423.3	2402.9	2394.1	2400.0	2376.6
75°	2120.0	2184.2	2149.2	2131.7	2108.3	2096.7	2020.9	1997.5	1994.6	2017.9	2017.9
77.5°	1612.6	1647.6	1624.3	1633.0	1598.0	1592.2	1563.0	1536.8	1516.4	1510.5	1452.2
80°	836.9	863.2	869.0	898.2	892.3	874.8	854.4	778.6	758.2	769.9	714.4
82.5°	151.6	157.5	160.4	163.3	151.6	157.5	160.4	145.8	154.6	151.6	145.8
85°	87.5	87.5	90.4	90.4	84.6	78.7	84.6	81.7	81.7	87.5	87.5
87.5°	75.8	78.7	81.7	81.7	72.9	67.1	72.9	72.9	75.8	78.7	78.7
90°	78.7	78.7	84.6	84.6	75.8	70.0	78.7	81.7	81.7	81.7	84.6
92.5°	105.0	102.1	105.0	105.0	96.2	90.4	102.1	102.1	102.1	102.1	105.0
95°	102.1	99.1	102.1	99.1	93.3	87.5	96.2	99.1	99.1	99.1	102.1
97.5°	87.5	87.5	87.5	87.5	78.7	75.8	87.5	87.5	84.6	84.6	87.5
100°	67.1	64.2	64.2	64.2	61.2	61.2	67.1	64.2	61.2	64.2	67.1
102.5°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	40.8	40.8	40.8	46.7
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°	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8
2.5°	731.9	731.9	734.9	731.9	731.9	729.0	726.1	723.2	726.1	726.1
5°	731.9	734.9	731.9	729.0	726.1	723.2	723.2	717.4	717.4	720.3
7.5°	729.0	734.9	729.0	726.1	717.4	714.4	711.5	705.7	705.7	705.7
10°	726.1	726.1	723.2	711.5	705.7	697.0	694.0	688.2	685.3	682.4
12.5°	726.1	726.1	717.4	708.6	699.9	688.2	685.3	679.5	676.5	673.6
15°	734.9	737.8	731.9	720.3	705.7	702.8	694.0	691.1	688.2	694.0
17.5°	749.4	746.5	740.7	729.0	720.3	717.4	705.7	705.7	702.8	708.6
20°	764.0	758.2	752.4	746.5	734.9	729.0	729.0	720.3	723.2	717.4
22.5°	781.5	784.4	775.7	766.9	758.2	755.3	752.4	752.4	749.4	749.4
25°	810.7	810.7	804.8	796.1	790.3	784.4	781.5	784.4	778.6	787.4
27.5°	845.7	842.8	842.8	836.9	828.2	825.3	822.3	825.3	822.3	822.3
30°	880.7	886.5	880.7	877.7	871.9	871.9	869.0	869.0	871.9	869.0
32.5°	936.1	939.0	939.0	936.1	930.2	927.3	927.3	930.2	936.1	933.2
35°	1009.0	1011.9	1017.7	1023.6	1023.6	1017.7	1011.9	1009.0	1011.9	1011.9
37.5°	1105.2	1108.1	1114.0	1114.0	1111.0	1108.1	1111.0	1116.9	1105.2	1105.2
40°	1204.4	1201.4	1207.3	1213.1	1216.0	1213.1	1210.2	1216.0	1221.9	1230.6
42.5°	1315.2	1321.0	1323.9	1335.6	1341.4	1341.4	1338.5	1347.2	1350.2	1350.2
45°	1446.4	1461.0	1455.1	1475.6	1493.0	1496.0	1487.2	1493.0	1487.2	1493.0
47.5°	1598.0	1609.7	1621.4	1638.9	1647.6	1653.4	1650.5	1656.4	1662.2	1662.2
50°	1770.1	1778.8	1799.2	1822.6	1837.2	1837.2	1825.5	1837.2	1848.8	1845.9
52.5°	1950.9	1968.4	1988.8	2009.2	2020.9	2023.8	2023.8	2032.5	2029.6	2029.6
55°	2140.4	2155.0	2181.3	2192.9	2207.5	2213.3	2213.3	2216.2	2213.3	2213.3
57.5°	2321.2	2338.7	2359.1	2382.5	2397.0	2402.9	2397.0	2397.0	2397.0	2391.2
60°	2507.9	2519.5	2539.9	2557.4	2566.2	2577.8	2577.8	2574.9	2572.0	2569.1
62.5°	2679.9	2685.7	2691.6	2694.5	2703.2	2726.6	2726.6	2741.1	2741.1	2738.2
65°	2904.4	2878.2	2854.9	2860.7	2881.1	2901.5	2919.0	2977.4	3006.5	3018.2
67.5°	2948.2	2910.3	2875.3	2872.4	2884.0	2889.9	2898.6	2930.7	2962.8	2962.8
70°	2691.6	2668.2	2636.2	2650.7	2659.5	2650.7	2662.4	2682.8	2712.0	2685.7
72.5°	2359.1	2321.2	2344.6	2359.1	2344.6	2332.9	2338.7	2335.8	2356.2	2376.6
75°	1991.7	1913.0	1913.0	1913.0	1918.8	1892.6	1892.6	1895.5	1933.4	1880.9
77.5°	1475.6	1420.1	1405.6	1347.2	1341.4	1306.4	1329.7	1315.2	1350.2	1329.7
80°	688.2	664.9	656.1	597.8	586.1	492.8	527.8	469.5	487.0	437.4
82.5°	142.9	140.0	137.1	122.5	110.8	96.2	113.7	128.3	131.2	128.3
85°	90.4	93.3	93.3	87.5	81.7	72.9	87.5	107.9	113.7	113.7
87.5°	78.7	81.7	81.7	78.7	72.9	64.2	72.9	81.7	84.6	81.7
90°	84.6	87.5	84.6	81.7	75.8	67.1	75.8	78.7	64.2	67.1
92.5°	102.1	102.1	99.1	99.1	96.2	84.6	93.3	75.8	29.2	8.7
95°	99.1	96.2	96.2	93.3	90.4	75.8	75.8	20.4	0.0	0.0
97.5°	84.6	78.7	78.7	75.8	75.8	64.2	46.7	0.0	0.0	0.0
100°	64.2	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	29.2	29.2	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: P691004  
 CATALOG NUMBER: CRTK2-C01-D-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)