

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: P691832

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691832  
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-C01H-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**

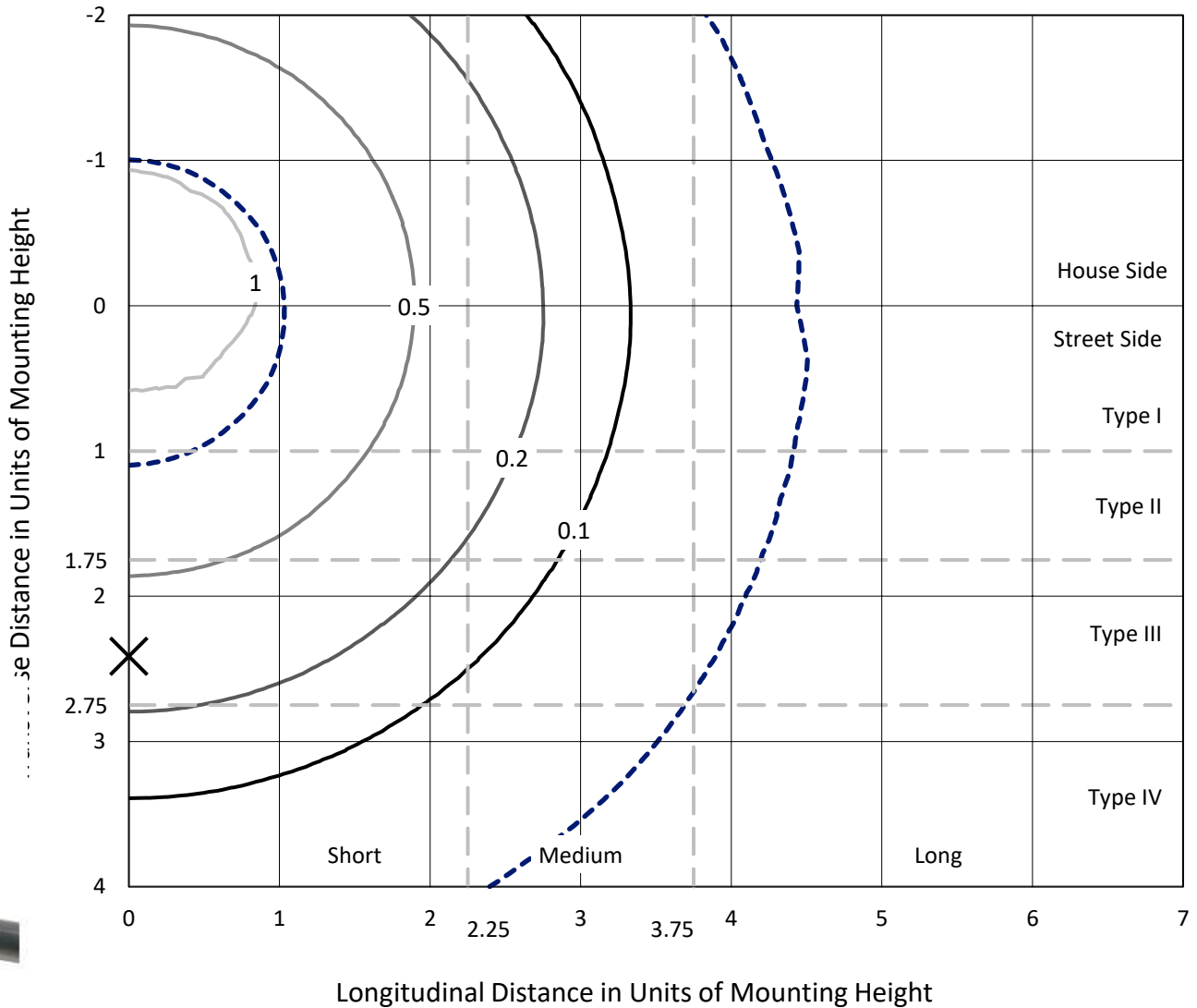
Lumens per Lamp: N/A  
Luminaire Lumens: 10855 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B4 - U3 - G2  
  
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P691832  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

### Iso-Footcandle Lines of Horizontal Illumination

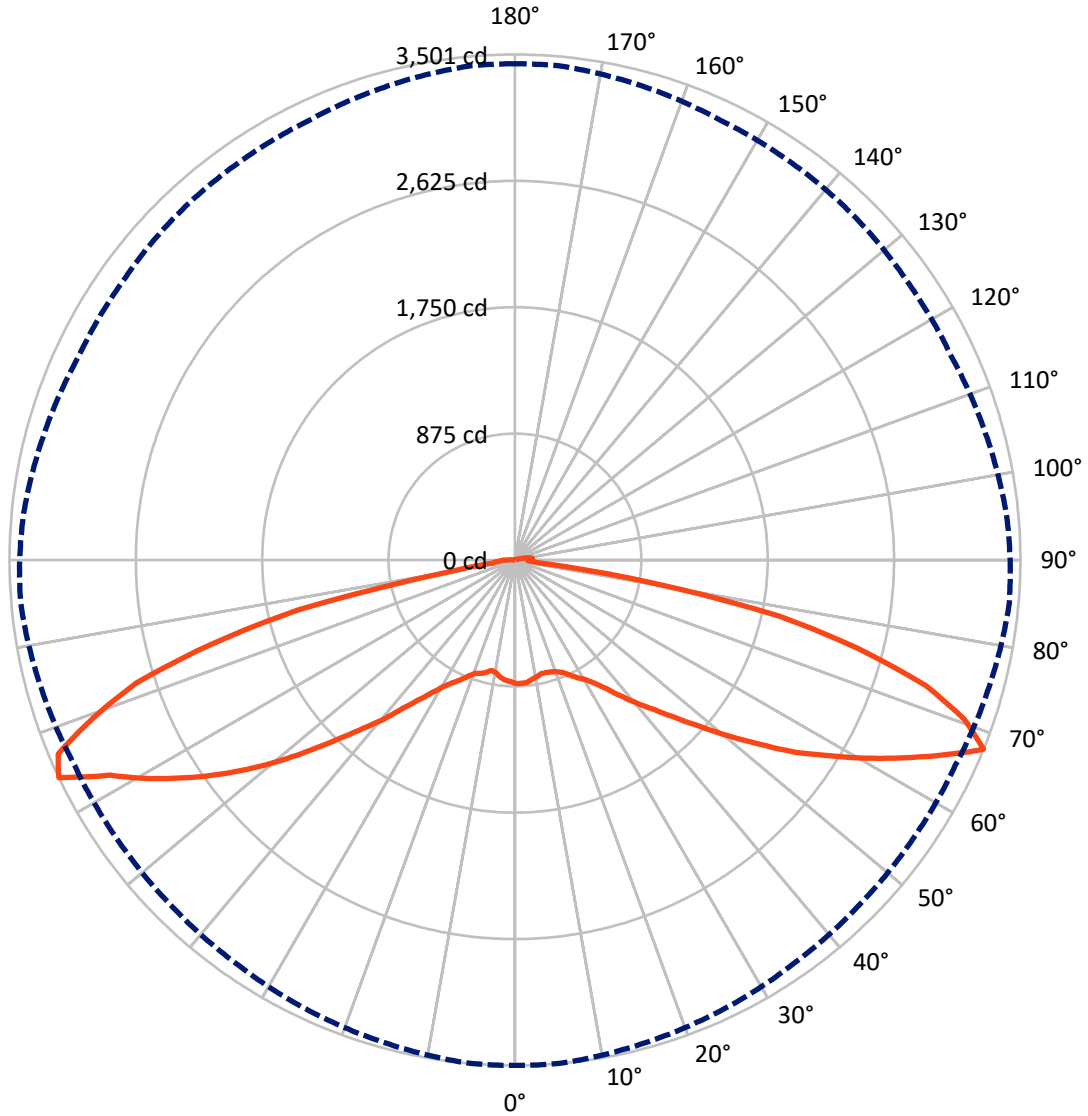
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P691832  
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P691832  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

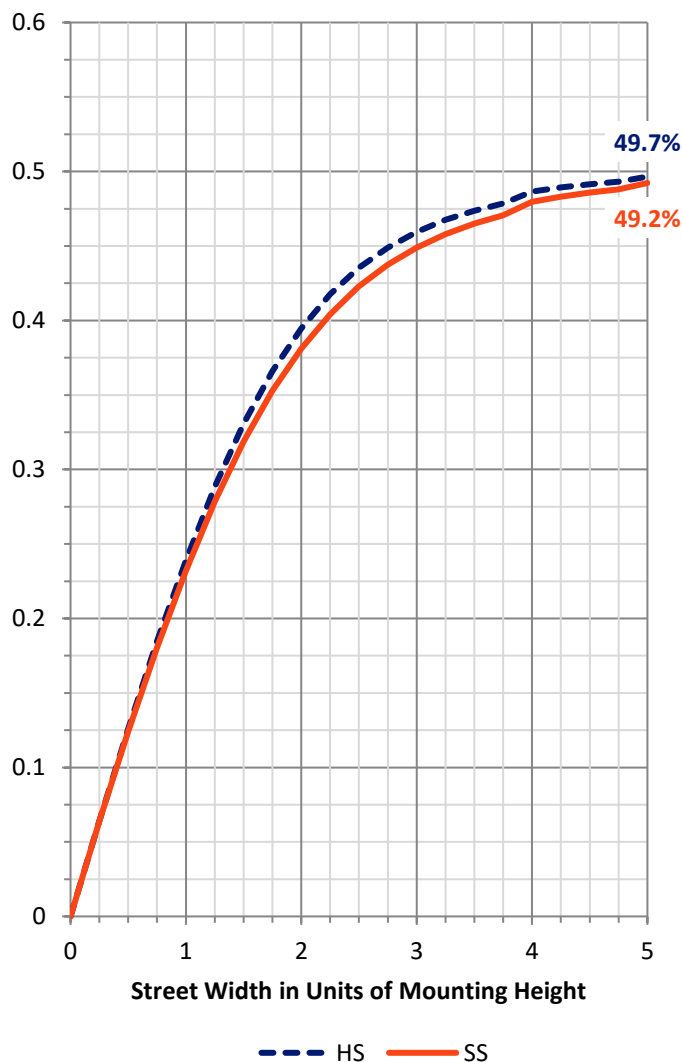
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5374.5	50.9	5425.4
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	5357.5	72.1	5429.6
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	10732.0	123.0	10855.0
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.1	0.7
10°-20°	236.2	2.2
20°-30°	427.0	3.9
30°-40°	736.3	6.8
40°-50°	1306.2	12.0
50°-60°	2223.7	20.5
60°-70°	3186.0	29.4
70°-80°	2316.5	21.3
80°-90°	219.9	2.0
90°-100°	99.3	0.9
100°-110°	23.7	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°	10732.0	98.9
0°-180°	10855.0	100.0

**Coefficient of Utilization**

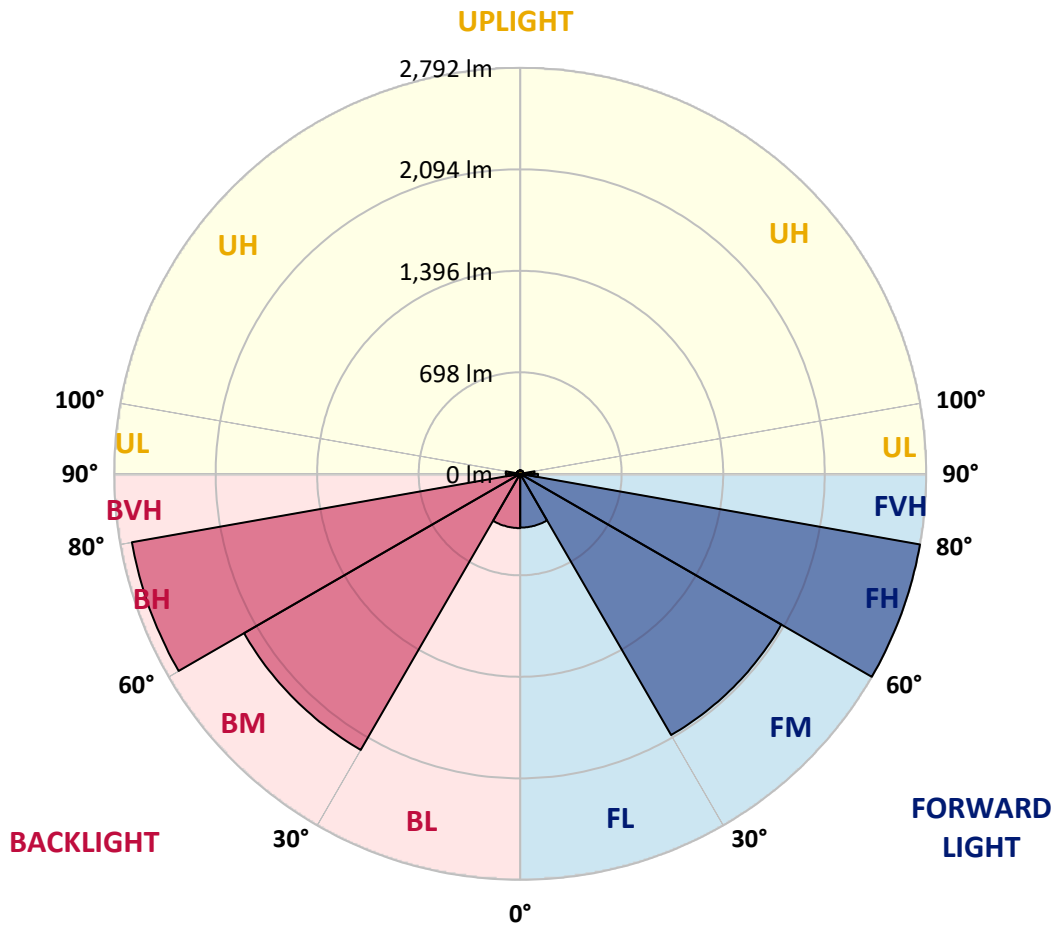


REPORT NUMBER: P691832  
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.9	3.4			
FM (30°-60°)	2073.8	19.1			
FH (60°-80°)	2791.6	25.7			G2/5000
FVH (80°-90°)	122.2	1.1			G2/225
BL (0°-30°)	373.4	3.4	B1/500		
BM (30°-60°)	2192.5	20.2	B2/2500		
BH (60°-80°)	2710.9	25.0	B4/5000		G2/5000
BVH (80°-90°)	97.8	0.9			G1/100
UL (90°-100°)	99.3	0.9		U3/500	
UH (100°-180°)	23.7	0.2		U2/50	

**BUG Rating: B4-U3-G2**  
 Type V Short





REPORT NUMBER: P691832

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7
2.5°	855.7	855.7	855.7	855.7	855.7	855.7	852.3	845.6	845.6	845.6	845.6
5°	852.3	852.3	852.3	852.3	855.7	855.7	855.7	848.9	848.9	848.9	848.9
7.5°	835.4	835.4	838.8	838.8	842.2	845.6	842.2	842.2	842.2	845.6	845.6
10°	821.9	821.9	825.3	825.3	828.6	828.6	835.4	835.4	838.8	842.2	842.2
12.5°	808.4	808.4	811.7	818.5	821.9	825.3	828.6	832.0	838.8	842.2	842.2
15°	808.4	808.4	808.4	815.1	825.3	832.0	835.4	842.2	848.9	852.3	855.7
17.5°	815.1	815.1	815.1	821.9	828.6	838.8	848.9	852.3	859.1	865.9	865.9
20°	825.3	825.3	828.6	835.4	845.6	852.3	859.1	869.2	876.0	882.8	886.1
22.5°	845.6	848.9	848.9	852.3	862.5	872.6	879.4	886.1	896.3	903.1	909.8
25°	882.8	879.4	879.4	886.1	892.9	903.1	906.4	913.2	923.4	933.5	936.9
27.5°	923.4	920.0	920.0	926.7	933.5	940.3	943.6	953.8	963.9	974.1	977.5
30°	960.6	960.6	963.9	970.7	977.5	987.6	991.0	1001.1	1007.9	1021.4	1021.4
32.5°	1018.1	1021.4	1024.8	1028.2	1035.0	1045.1	1055.3	1058.6	1065.4	1075.6	1082.3
35°	1095.8	1102.6	1102.6	1106.0	1122.9	1133.1	1126.3	1136.4	1146.6	1160.1	1166.9
37.5°	1197.3	1193.9	1204.1	1217.6	1221.0	1231.1	1227.8	1234.5	1248.0	1265.0	1275.1
40°	1305.5	1308.9	1308.9	1312.3	1322.5	1325.8	1339.4	1349.5	1363.0	1386.7	1393.5
42.5°	1417.2	1423.9	1430.7	1434.1	1451.0	1454.4	1464.5	1478.0	1495.0	1511.9	1518.6
45°	1555.8	1552.4	1569.4	1576.1	1593.0	1613.3	1613.3	1620.1	1647.2	1664.1	1674.2
47.5°	1721.6	1728.3	1738.5	1748.6	1775.7	1779.1	1796.0	1806.1	1823.0	1839.9	1843.3
50°	1914.3	1914.3	1924.5	1944.8	1961.7	1978.6	1988.8	2002.3	2015.8	2042.9	2056.4
52.5°	2117.3	2120.7	2134.2	2154.5	2181.5	2184.9	2195.1	2218.8	2228.9	2235.7	2259.3
55°	2347.3	2337.1	2347.3	2377.7	2408.2	2404.8	2408.2	2435.2	2452.1	2465.7	2472.4
57.5°	2557.0	2557.0	2567.1	2590.8	2597.6	2607.7	2611.1	2634.8	2655.1	2672.0	2675.4
60°	2787.0	2783.6	2790.3	2810.6	2834.3	2834.3	2830.9	2854.6	2874.9	2878.3	2902.0
62.5°	3017.0	3006.8	3013.6	3027.1	3040.6	3027.1	3040.6	3060.9	3077.8	3091.4	3098.1
65°	3257.1	3243.6	3247.0	3233.4	3213.1	3196.2	3226.7	3284.2	3334.9	3361.9	3365.3
67.5°	3500.6	3500.6	3463.4	3429.6	3395.8	3375.5	3365.3	3365.3	3399.2	3436.4	3429.6
70°	3301.1	3307.8	3277.4	3253.7	3199.6	3182.7	3172.5	3138.7	3155.6	3165.8	3142.1
72.5°	2976.4	2939.2	2925.6	2915.5	2874.9	2844.5	2810.6	2787.0	2776.8	2783.6	2756.5
75°	2458.9	2533.3	2492.7	2472.4	2445.4	2431.8	2343.9	2316.8	2313.5	2340.5	2340.5
77.5°	1870.4	1911.0	1883.9	1894.1	1853.5	1846.7	1812.9	1782.4	1758.8	1752.0	1684.4
80°	970.7	1001.1	1007.9	1041.7	1035.0	1014.7	991.0	903.1	879.4	892.9	828.6
82.5°	175.9	182.6	186.0	189.4	175.9	182.6	186.0	169.1	179.3	175.9	169.1
85°	101.5	101.5	104.8	104.8	98.1	91.3	98.1	94.7	94.7	101.5	101.5
87.5°	87.9	91.3	94.7	94.7	84.6	77.8	84.6	84.6	87.9	91.3	91.3
90°	91.3	91.3	98.1	98.1	87.9	81.2	91.3	94.7	94.7	94.7	98.1
92.5°	121.8	118.4	121.8	121.8	111.6	104.8	118.4	118.4	118.4	118.4	121.8
95°	118.4	115.0	118.4	115.0	108.2	101.5	111.6	115.0	115.0	115.0	118.4
97.5°	101.5	101.5	101.5	101.5	91.3	87.9	101.5	101.5	98.1	98.1	101.5
100°	77.8	74.4	74.4	74.4	71.0	71.0	77.8	74.4	71.0	74.4	77.8
102.5°	50.7	50.7	50.7	50.7	50.7	50.7	50.7	47.4	47.4	47.4	54.1
105°	30.4	30.4	27.1	27.1	27.1	27.1	27.1	23.7	23.7	23.7	30.4
107.5°	10.1	10.1	6.8	6.8	6.8	6.8	6.8	3.4	3.4	3.4	10.1
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: P691832  
 CATALOG NUMBER: CRTK2-C01H-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: P691832

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7050

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7	855.7
2.5°	848.9	848.9	852.3	848.9	848.9	845.6	842.2	838.8	842.2	842.2
5°	848.9	852.3	848.9	845.6	842.2	838.8	838.8	832.0	832.0	835.4
7.5°	845.6	852.3	845.6	842.2	832.0	828.6	825.3	818.5	818.5	818.5
10°	842.2	842.2	838.8	825.3	818.5	808.4	805.0	798.2	794.8	791.4
12.5°	842.2	842.2	832.0	821.9	811.7	798.2	794.8	788.1	784.7	781.3
15°	852.3	855.7	848.9	835.4	818.5	815.1	805.0	801.6	798.2	805.0
17.5°	869.2	865.9	859.1	845.6	835.4	832.0	818.5	818.5	815.1	821.9
20°	886.1	879.4	872.6	865.9	852.3	845.6	845.6	835.4	838.8	832.0
22.5°	906.4	909.8	899.7	889.5	879.4	876.0	872.6	872.6	869.2	869.2
25°	940.3	940.3	933.5	923.4	916.6	909.8	906.4	909.8	903.1	913.2
27.5°	980.9	977.5	977.5	970.7	960.6	957.2	953.8	957.2	953.8	953.8
30°	1021.4	1028.2	1021.4	1018.1	1011.3	1011.3	1007.9	1007.9	1011.3	1007.9
32.5°	1085.7	1089.1	1089.1	1085.7	1078.9	1075.6	1075.6	1078.9	1085.7	1082.3
35°	1170.3	1173.6	1180.4	1187.2	1187.2	1180.4	1173.6	1170.3	1173.6	1173.6
37.5°	1281.9	1285.3	1292.0	1292.0	1288.6	1285.3	1288.6	1295.4	1281.9	1281.9
40°	1396.9	1393.5	1400.2	1407.0	1410.4	1407.0	1403.6	1410.4	1417.2	1427.3
42.5°	1525.4	1532.2	1535.5	1549.1	1555.8	1555.8	1552.4	1562.6	1566.0	1566.0
45°	1677.6	1694.5	1687.7	1711.4	1731.7	1735.1	1724.9	1731.7	1724.9	1731.7
47.5°	1853.5	1867.0	1880.5	1900.8	1911.0	1917.7	1914.3	1921.1	1927.9	1927.9
50°	2053.0	2063.2	2086.8	2113.9	2130.8	2130.8	2117.3	2130.8	2144.3	2141.0
52.5°	2262.7	2283.0	2306.7	2330.4	2343.9	2347.3	2347.3	2357.4	2354.0	2354.0
55°	2482.6	2499.5	2529.9	2543.4	2560.4	2567.1	2567.1	2570.5	2567.1	2567.1
57.5°	2692.3	2712.6	2736.2	2763.3	2780.2	2787.0	2780.2	2780.2	2780.2	2773.4
60°	2908.7	2922.3	2945.9	2966.2	2976.4	2989.9	2989.9	2986.5	2983.1	2979.8
62.5°	3108.3	3115.0	3121.8	3125.2	3135.3	3162.4	3162.4	3179.3	3179.3	3175.9
65°	3368.7	3338.3	3311.2	3318.0	3341.7	3365.3	3385.6	3453.3	3487.1	3500.6
67.5°	3419.4	3375.5	3334.9	3331.5	3345.0	3351.8	3361.9	3399.2	3436.4	3436.4
70°	3121.8	3094.8	3057.5	3074.5	3084.6	3074.5	3088.0	3111.7	3145.5	3115.0
72.5°	2736.2	2692.3	2719.3	2736.2	2719.3	2705.8	2712.6	2709.2	2732.9	2756.5
75°	2310.1	2218.8	2218.8	2218.8	2225.5	2195.1	2195.1	2198.5	2242.4	2181.5
77.5°	1711.4	1647.2	1630.2	1562.6	1555.8	1515.2	1542.3	1525.4	1566.0	1542.3
80°	798.2	771.2	761.0	693.4	679.8	571.6	612.2	544.5	564.8	507.3
82.5°	165.7	162.3	159.0	142.1	128.5	111.6	131.9	148.8	152.2	148.8
85°	104.8	108.2	108.2	101.5	94.7	84.6	101.5	125.1	131.9	131.9
87.5°	91.3	94.7	94.7	91.3	84.6	74.4	84.6	94.7	98.1	94.7
90°	98.1	101.5	98.1	94.7	87.9	77.8	87.9	91.3	74.4	77.8
92.5°	118.4	118.4	115.0	115.0	111.6	98.1	108.2	87.9	33.8	10.1
95°	115.0	111.6	111.6	108.2	104.8	87.9	87.9	23.7	0.0	0.0
97.5°	98.1	91.3	91.3	87.9	87.9	74.4	54.1	0.0	0.0	0.0
100°	74.4	64.3	64.3	60.9	60.9	50.7	20.3	0.0	0.0	0.0
102.5°	50.7	40.6	37.2	33.8	33.8	30.4	3.4	0.0	0.0	0.0
105°	27.1	16.9	13.5	10.1	10.1	6.8	0.0	0.0	0.0	0.0
107.5°	10.1	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: P691832  
 CATALOG NUMBER: CRTK2-C01H-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)