

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: P690899

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5894 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - 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

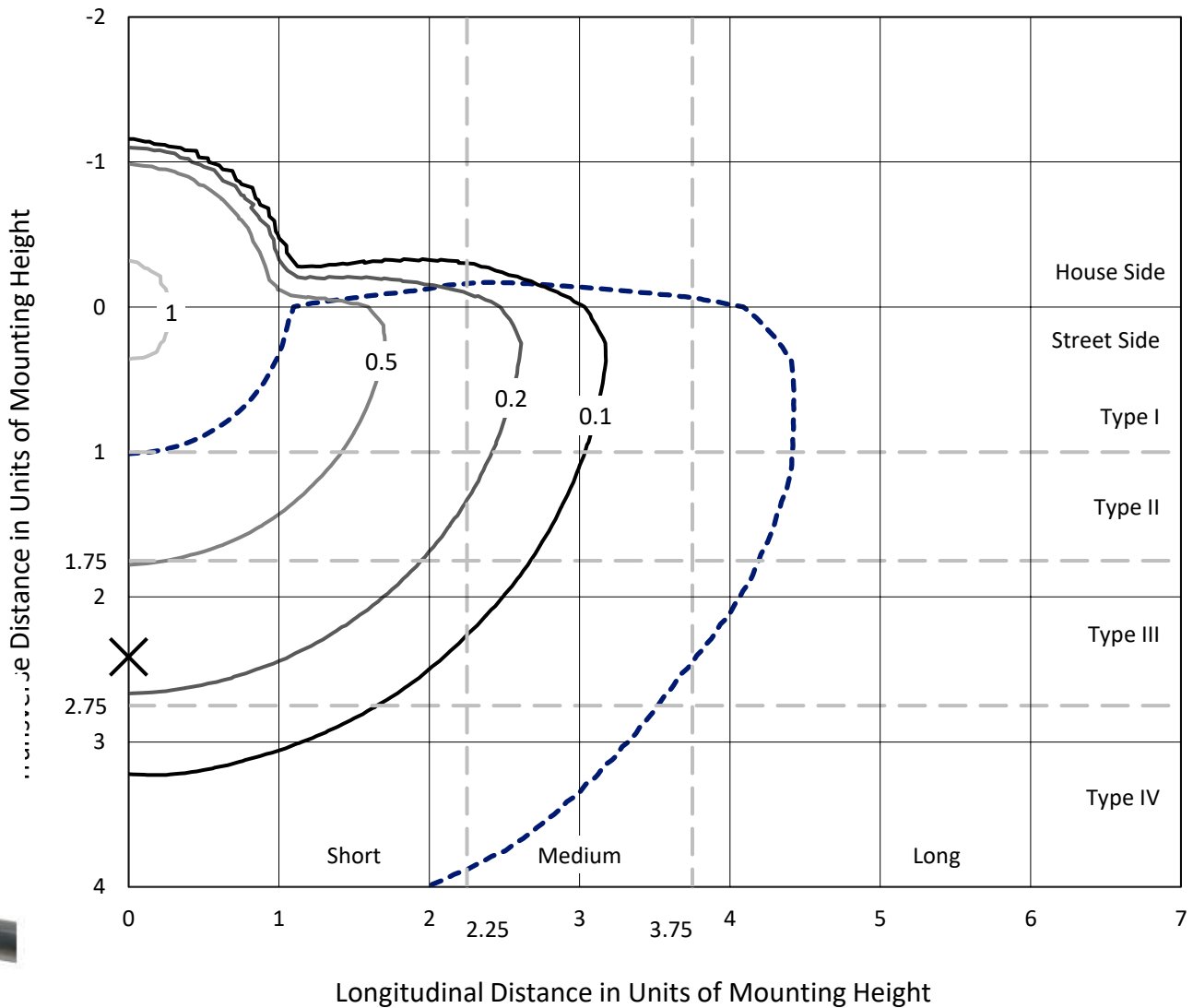


REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

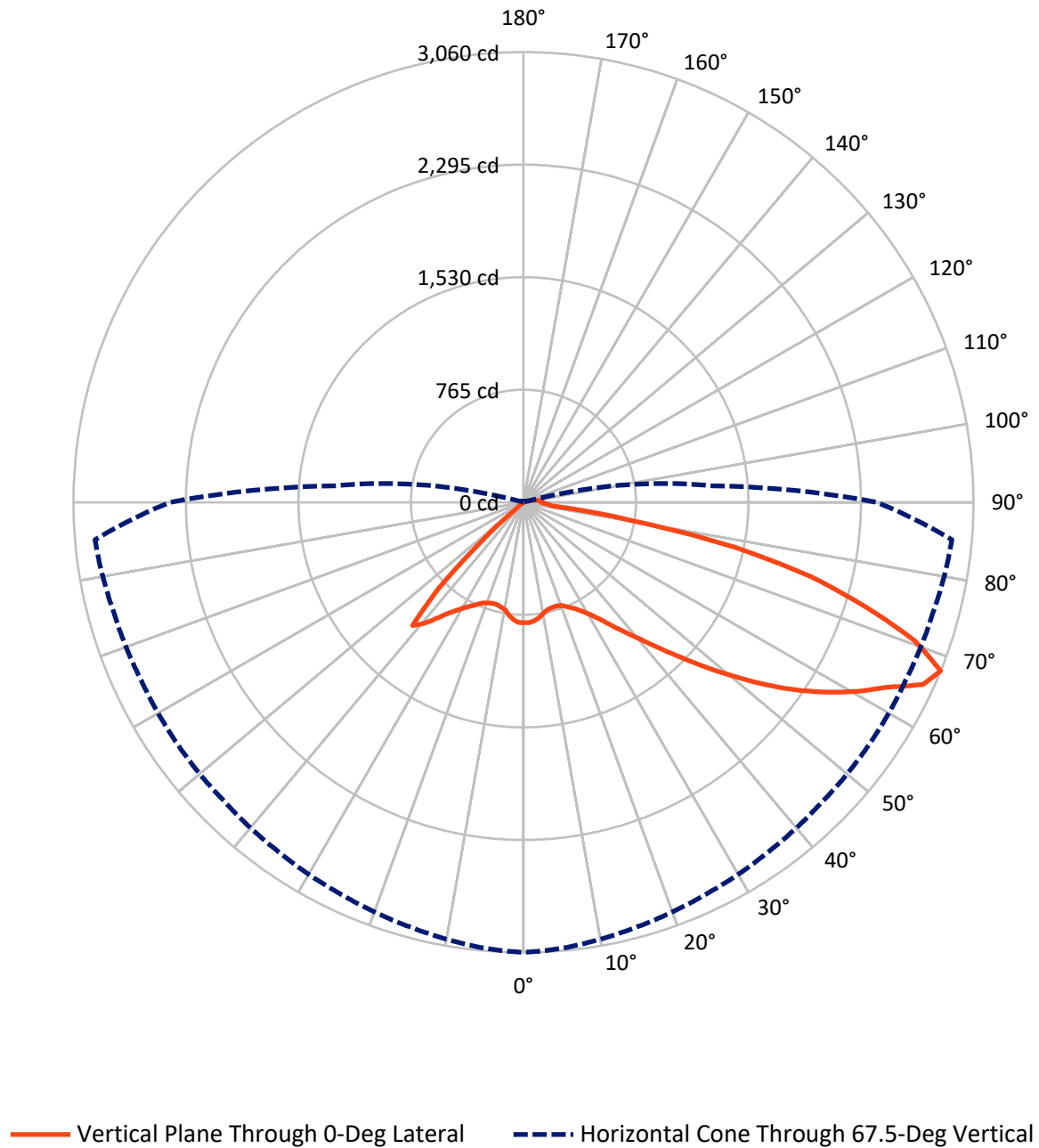


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

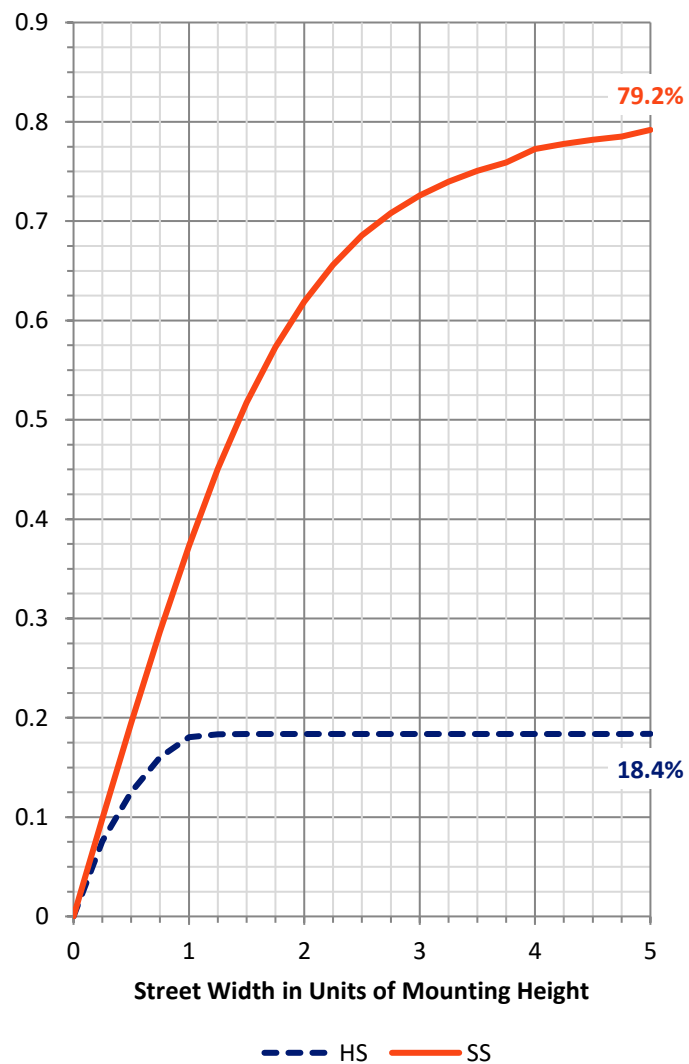
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.1	4.4	1094.5
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4717.6	81.9	4799.5
	% Fixture	80.0	1.4	81.4
Total	Lumens	5807.7	86.3	5894.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.3
10°-20°	203.6	3.5
20°-30°	358.6	6.1
30°-40°	613.1	10.4
40°-50°	842.5	14.3
50°-60°	1041.3	17.7
60°-70°	1455.2	24.7
70°-80°	1063.0	18.0
80°-90°	156.1	2.6
90°-100°	68.8	1.2
100°-110°	15.7	0.3
110°-120°	1.0	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5807.7	98.5
0°-180°	5894.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690899

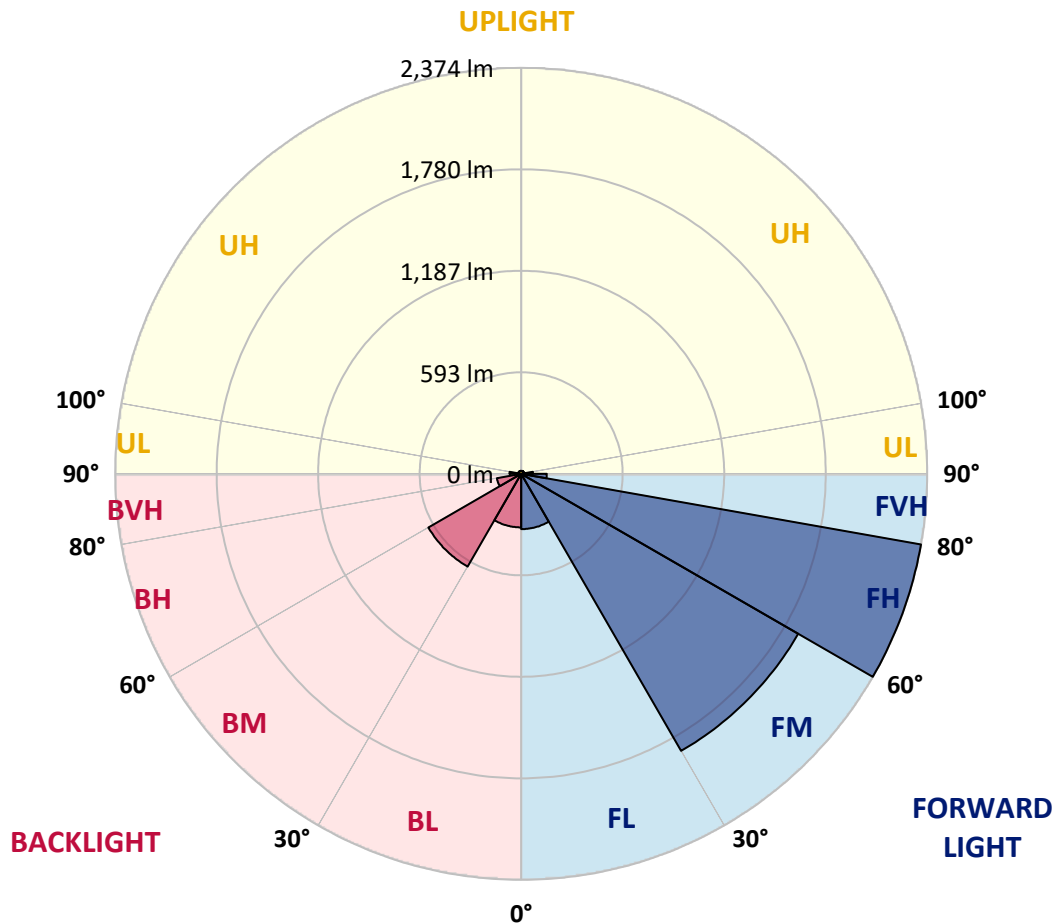
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.2	5.5			
FM	(30°-60°)	1870.5	31.7			
FH	(60°-80°)	2373.9	40.3			G2/5000
FVH	(80°-90°)	150.0	2.5			G2/225
BL	(0°-30°)	313.4	5.3	B1/500		
BM	(30°-60°)	626.4	10.6	B1/1000		
BH	(60°-80°)	144.2	2.4	B1/500		G1/500
BVH	(80°-90°)	6.1	0.1			G0/10
UL	(90°-100°)	68.8	1.2		U3/500	
UH	(100°-180°)	17.5	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3
2.5°	818.3	818.3	818.3	818.3	821.1	818.3	815.4	809.6	809.6	809.6	809.6
5°	806.7	806.7	809.6	809.6	806.7	803.9	798.1	798.1	795.2	795.2	795.2
7.5°	789.4	789.4	789.4	792.3	786.6	777.9	775.0	772.2	769.3	766.4	763.5
10°	763.5	763.5	763.5	760.6	754.9	746.2	740.5	734.7	734.7	731.8	728.9
12.5°	746.2	746.2	746.2	743.3	734.7	728.9	720.3	714.5	711.7	711.7	708.8
15°	740.5	740.5	740.5	737.6	728.9	723.2	714.5	708.8	703.0	700.1	697.2
17.5°	740.5	740.5	740.5	734.7	731.8	723.2	714.5	708.8	705.9	703.0	700.1
20°	749.1	752.0	749.1	746.2	737.6	731.8	723.2	714.5	711.7	711.7	708.8
22.5°	772.2	769.3	769.3	766.4	757.8	749.1	743.3	737.6	731.8	731.8	728.9
25°	798.1	801.0	801.0	795.2	789.4	780.8	772.2	763.5	760.6	757.8	754.9
27.5°	835.5	835.5	838.4	832.7	824.0	818.3	809.6	803.9	798.1	792.3	789.4
30°	881.6	884.5	884.5	878.8	870.1	858.6	852.8	844.2	835.5	835.5	826.9
32.5°	942.1	947.9	945.0	939.3	930.6	919.1	913.3	904.7	898.9	890.3	884.5
35°	1025.7	1028.6	1025.7	1019.9	1005.5	994.0	988.2	982.5	976.7	965.2	953.7
37.5°	1117.9	1120.8	1123.7	1117.9	1100.6	1083.3	1077.6	1068.9	1066.0	1051.6	1045.9
40°	1224.5	1230.3	1227.4	1218.7	1204.3	1187.0	1184.2	1175.5	1166.9	1158.2	1143.8
42.5°	1354.2	1354.2	1351.3	1345.5	1334.0	1313.8	1308.1	1299.4	1293.7	1276.4	1253.3
45°	1504.0	1506.9	1498.2	1489.6	1486.7	1469.4	1455.0	1446.4	1429.1	1408.9	1383.0
47.5°	1679.7	1676.9	1665.3	1656.7	1653.8	1639.4	1627.9	1610.6	1587.5	1564.5	1515.5
50°	1861.2	1861.2	1841.1	1832.4	1838.2	1818.0	1803.6	1783.5	1760.4	1737.4	1665.3
52.5°	2057.2	2048.5	2028.4	2031.2	2022.6	2002.4	1985.1	1970.7	1947.7	1927.5	1812.3
55°	2253.1	2241.6	2209.9	2212.8	2198.3	2175.3	2163.8	2146.5	2140.7	2117.7	1953.4
57.5°	2434.6	2420.2	2385.6	2382.7	2371.2	2345.3	2339.5	2319.4	2304.9	2293.4	2060.0
60°	2610.4	2595.9	2564.3	2552.7	2529.7	2503.8	2506.6	2495.1	2486.5	2474.9	2178.2
62.5°	2768.8	2751.5	2722.7	2699.7	2668.0	2644.9	2647.8	2642.0	2647.8	2644.9	2279.0
65°	2984.9	2967.6	2924.4	2884.1	2838.0	2803.4	2800.5	2809.2	2869.7	2875.4	2434.6
67.5°	3059.8	3042.5	2987.8	2938.8	2901.4	2875.4	2869.7	2866.8	2884.1	2924.4	2402.9
70°	2823.6	2812.0	2760.2	2725.6	2688.1	2670.9	2653.6	2662.2	2679.5	2676.6	2204.1
72.5°	2437.5	2500.9	2434.6	2402.9	2394.3	2348.2	2359.7	2351.0	2362.6	2359.7	1959.2
75°	2016.8	1999.5	1985.1	2039.9	1999.5	1965.0	1985.1	2005.3	2025.5	2002.4	1717.2
77.5°	1466.5	1478.0	1472.3	1492.5	1529.9	1512.6	1501.1	1550.1	1558.7	1480.9	1334.0
80°	737.6	783.7	798.1	832.7	852.8	815.4	783.7	852.8	841.3	752.0	677.1
82.5°	193.0	195.9	224.7	265.1	270.8	265.1	270.8	265.1	230.5	146.9	123.9
85°	161.3	161.3	198.8	242.0	250.7	239.1	239.1	224.7	178.6	92.2	74.9
87.5°	132.5	138.3	178.6	219.0	224.7	213.2	210.3	193.0	155.6	80.7	63.4
90°	118.1	123.9	161.3	195.9	198.8	187.3	184.4	172.9	141.2	80.7	63.4
92.5°	129.7	132.5	158.5	178.6	178.6	170.0	167.1	158.5	138.3	100.8	77.8
95°	115.2	118.1	129.7	138.3	135.4	126.8	132.5	123.9	115.2	95.1	72.0
97.5°	95.1	98.0	100.8	100.8	98.0	92.2	98.0	95.1	89.3	77.8	57.6
100°	72.0	72.0	72.0	74.9	72.0	69.1	72.0	66.3	63.4	54.7	40.3
102.5°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	43.2	40.3	34.6	23.0
105°	28.8	28.8	25.9	28.8	28.8	25.9	25.9	23.0	17.3	14.4	8.6
107.5°	11.5	11.5	8.6	8.6	8.6	8.6	5.8	2.9	2.9	2.9	2.9
110°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0

REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9	2.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3
2.5°	809.6	809.6	809.6	809.6	809.6	809.6	812.5	815.4	818.3	818.3
5°	795.2	795.2	795.2	792.3	795.2	798.1	801.0	801.0	803.9	803.9
7.5°	766.4	763.5	763.5	763.5	766.4	772.2	772.2	775.0	777.9	777.9
10°	728.9	728.9	728.9	728.9	731.8	737.6	737.6	743.3	743.3	743.3
12.5°	708.8	708.8	705.9	703.0	708.8	708.8	717.4	720.3	723.2	728.9
15°	697.2	694.4	697.2	697.2	700.1	703.0	705.9	711.7	714.5	717.4
17.5°	697.2	697.2	697.2	700.1	703.0	703.0	705.9	711.7	714.5	717.4
20°	708.8	708.8	705.9	705.9	708.8	708.8	714.5	720.3	723.2	726.1
22.5°	726.1	723.2	723.2	720.3	723.2	726.1	731.8	737.6	737.6	737.6
25°	749.1	746.2	746.2	746.2	752.0	752.0	757.8	763.5	763.5	763.5
27.5°	786.6	780.8	777.9	777.9	777.9	780.8	786.6	789.4	792.3	792.3
30°	818.3	812.5	809.6	806.7	809.6	812.5	818.3	824.0	824.0	824.0
32.5°	875.9	861.5	852.8	855.7	855.7	858.6	864.4	864.4	867.2	867.2
35°	942.1	927.7	913.3	916.2	916.2	919.1	919.1	919.1	924.9	919.1
37.5°	1025.7	1002.7	991.1	994.0	988.2	988.2	988.2	988.2	985.4	991.1
40°	1115.0	1080.4	1068.9	1071.8	1068.9	1066.0	1066.0	1068.9	1066.0	1068.9
42.5°	1100.6	956.6	991.1	1031.5	1060.3	1080.4	1103.5	1115.0	1115.0	1126.5
45°	962.3	567.6	607.9	662.7	708.8	757.8	780.8	798.1	809.6	832.7
47.5°	835.5	204.6	233.4	270.8	319.8	319.8	360.1	377.4	383.2	403.4
50°	812.5	31.7	25.9	28.8	31.7	34.6	37.5	46.1	46.1	57.6
52.5°	884.5	28.8	17.3	11.5	11.5	8.6	5.8	5.8	5.8	8.6
55°	965.2	31.7	17.3	11.5	8.6	8.6	2.9	2.9	2.9	2.9
57.5°	1034.3	28.8	14.4	11.5	8.6	5.8	0.0	0.0	0.0	0.0
60°	1109.3	31.7	17.3	11.5	8.6	5.8	0.0	0.0	0.0	0.0
62.5°	1175.5	31.7	17.3	11.5	8.6	2.9	0.0	0.0	0.0	0.0
65°	1270.6	34.6	17.3	11.5	5.8	0.0	0.0	0.0	0.0	0.0
67.5°	1287.9	34.6	17.3	8.6	2.9	0.0	0.0	0.0	0.0	0.0
70°	1149.6	28.8	11.5	5.8	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	988.2	17.3	8.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	795.2	14.4	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	533.0	11.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	239.1	8.6	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
82.5°	51.9	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	34.6	5.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
87.5°	31.7	2.9	2.9	2.9	0.0	0.0	0.0	2.9	0.0	0.0
90°	31.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	37.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	34.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	25.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.3	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P690899

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	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°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.9	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°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)