

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: P691833

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691833
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-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6008 lumens
Efficiency: N/A
Efficacy: 80.2 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): 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

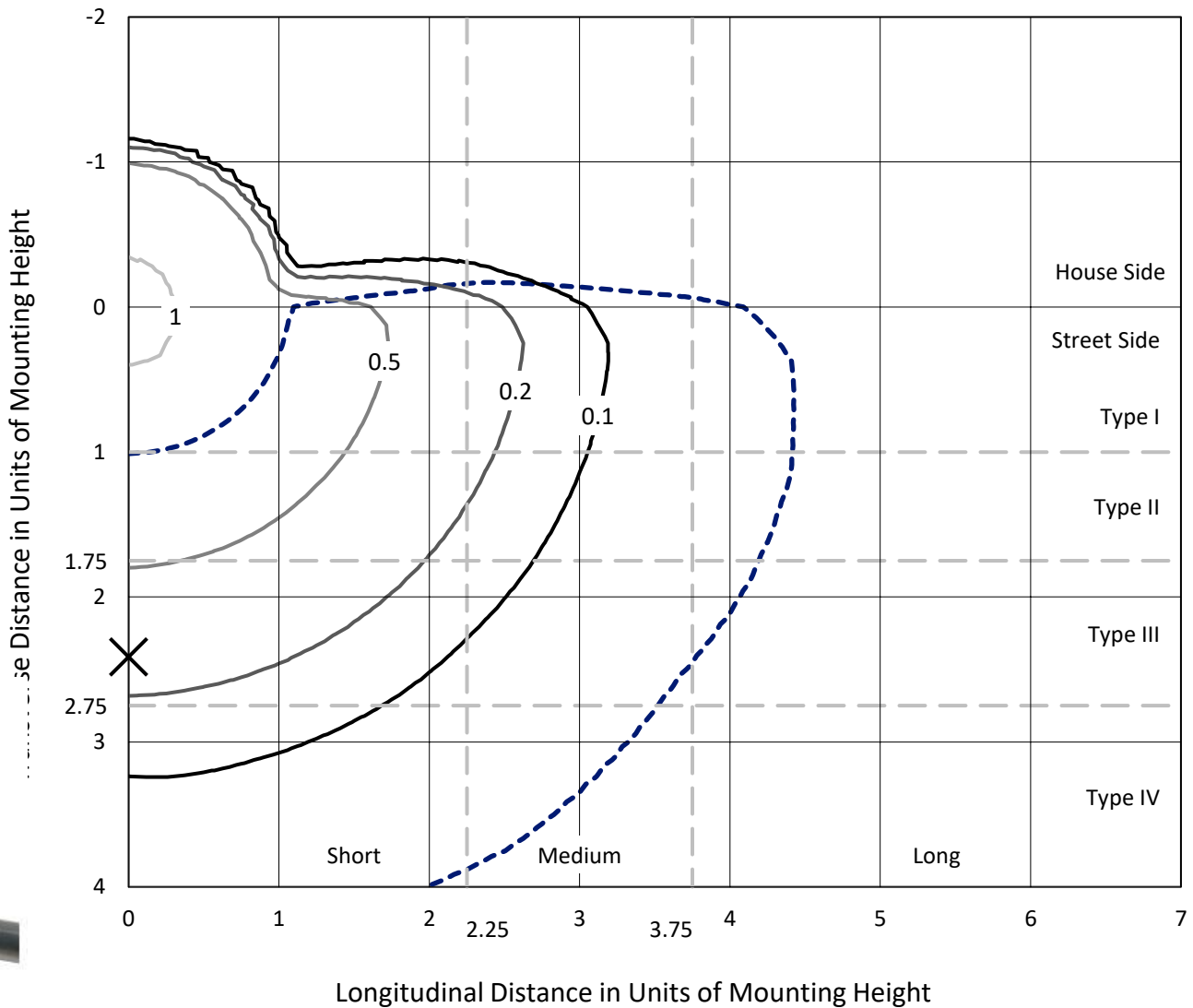


REPORT NUMBER: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

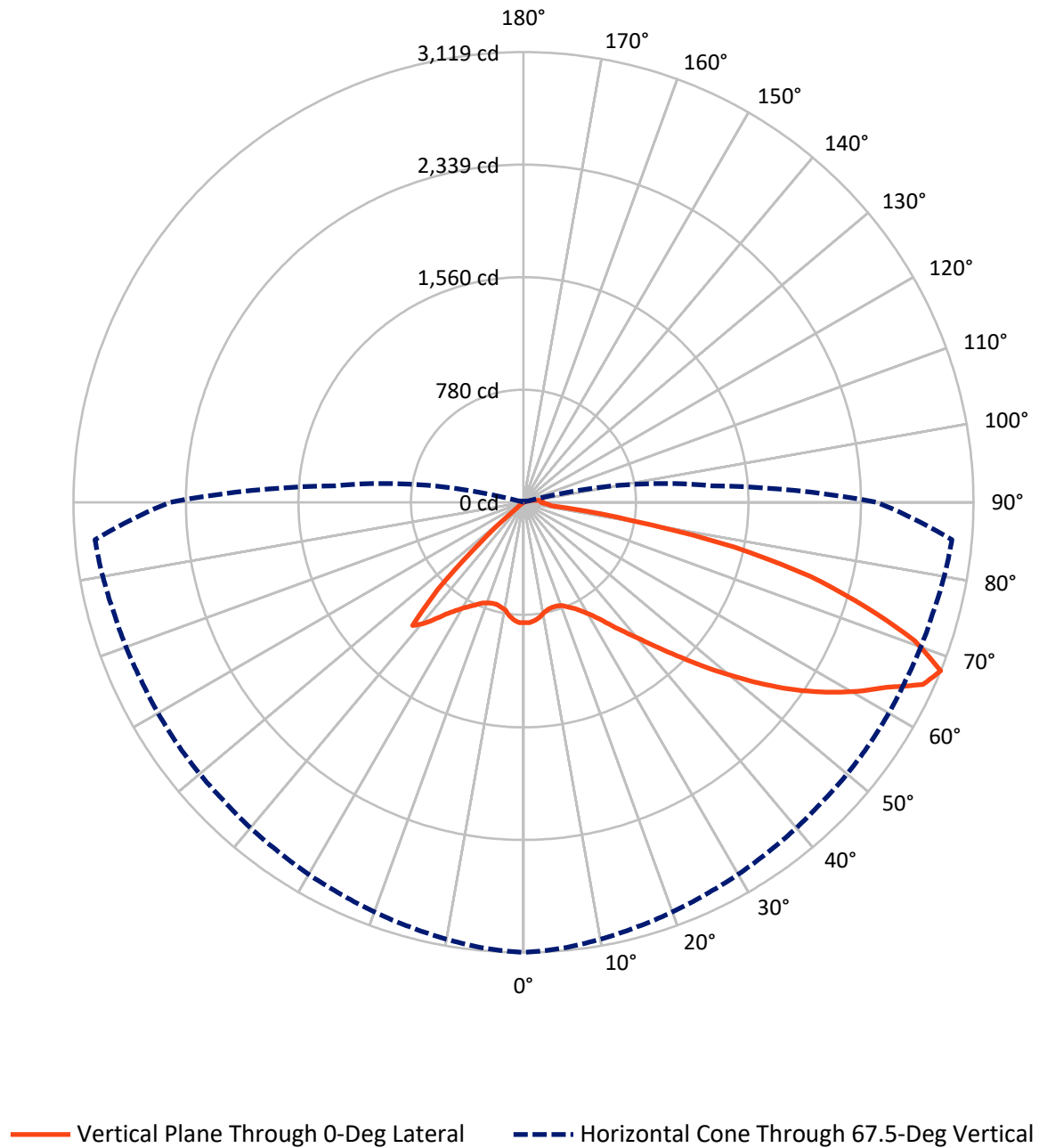


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

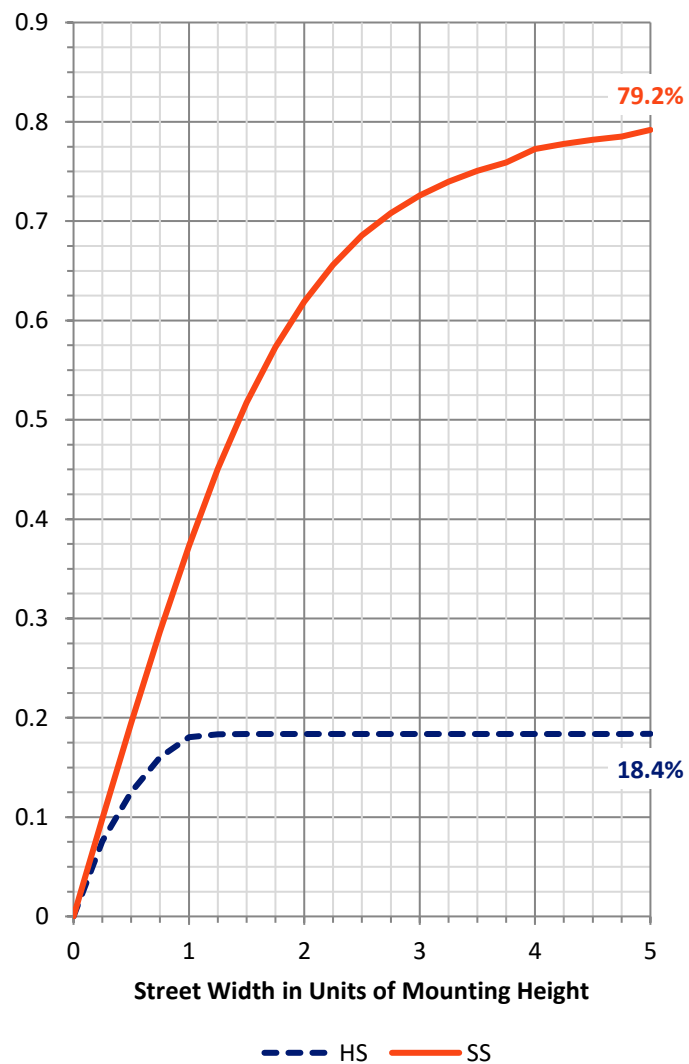
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1111.2	4.4	1115.6
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4808.9	83.5	4892.3
	% Fixture	80.0	1.4	81.4
Total	Lumens	5920.0	87.9	6008.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	1.3
10°-20°	207.5	3.5
20°-30°	365.6	6.1
30°-40°	624.9	10.4
40°-50°	858.8	14.3
50°-60°	1061.4	17.7
60°-70°	1483.3	24.7
70°-80°	1083.5	18.0
80°-90°	159.1	2.6
90°-100°	70.1	1.2
100°-110°	16.0	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°	5920.0	98.5
0°-180°	6008.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691833

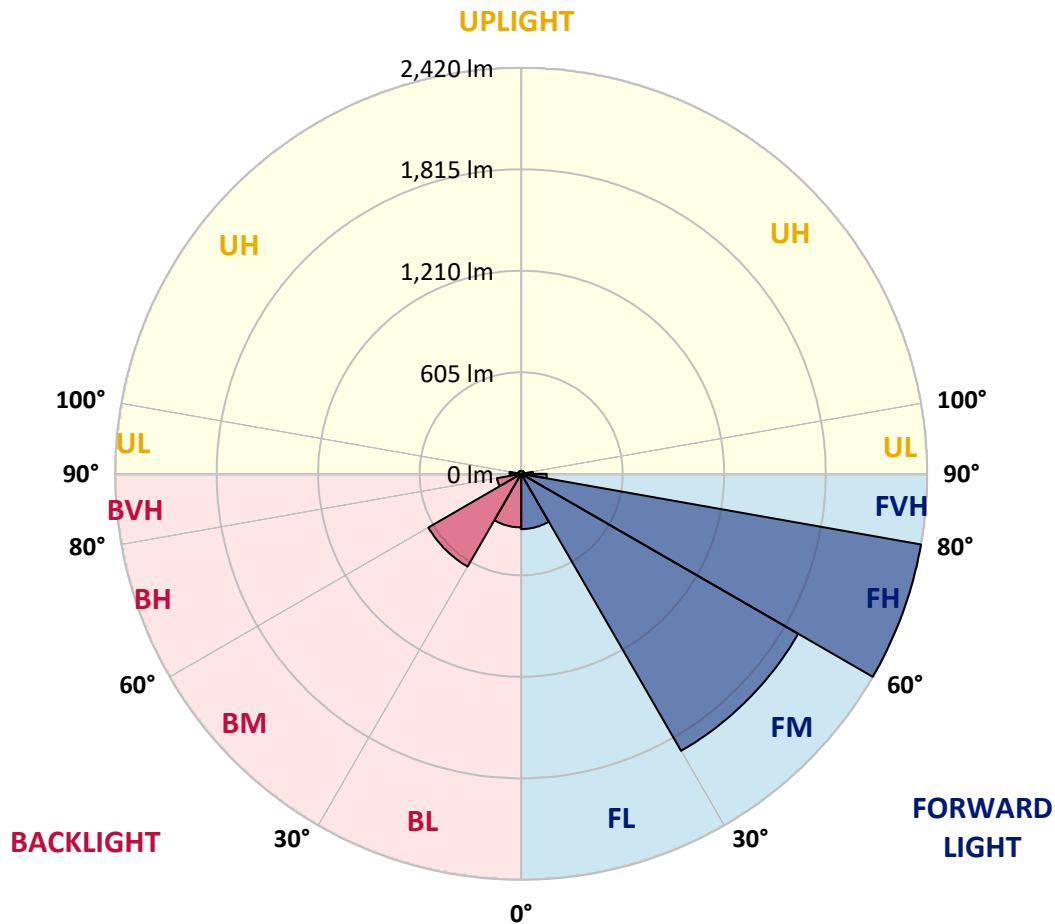
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.5	5.5			
FM	(30°-60°)	1906.6	31.7			
FH	(60°-80°)	2419.8	40.3			G2/5000
FVH	(80°-90°)	152.9	2.5			G2/225
BL	(0°-30°)	319.5	5.3	B1/500		
BM	(30°-60°)	638.5	10.6	B1/1000		
BH	(60°-80°)	147.0	2.4	B1/500		G1/500
BVH	(80°-90°)	6.2	0.1			G0/10
UL	(90°-100°)	70.1	1.2		U3/500	
UH	(100°-180°)	17.8	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



REPORT NUMBER: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1
2.5°	834.1	834.1	834.1	834.1	837.0	834.1	831.1	825.3	825.3	825.3	825.3
5°	822.3	822.3	825.3	825.3	822.3	819.4	813.5	813.5	810.6	810.6	810.6
7.5°	804.7	804.7	804.7	807.7	801.8	793.0	790.0	787.1	784.2	781.2	778.3
10°	778.3	778.3	778.3	775.3	769.5	760.7	754.8	748.9	748.9	746.0	743.0
12.5°	760.7	760.7	760.7	757.7	748.9	743.0	734.2	728.4	725.4	725.4	722.5
15°	754.8	754.8	754.8	751.9	743.0	737.2	728.4	722.5	716.6	713.7	710.7
17.5°	754.8	754.8	754.8	748.9	746.0	737.2	728.4	722.5	719.5	716.6	713.7
20°	763.6	766.5	763.6	760.7	751.9	746.0	737.2	728.4	725.4	725.4	722.5
22.5°	787.1	784.2	784.2	781.2	772.4	763.6	757.7	751.9	746.0	746.0	743.0
25°	813.5	816.5	816.5	810.6	804.7	795.9	787.1	778.3	775.3	772.4	769.5
27.5°	851.7	851.7	854.6	848.8	840.0	834.1	825.3	819.4	813.5	807.7	804.7
30°	898.7	901.6	901.6	895.8	886.9	875.2	869.3	860.5	851.7	851.7	842.9
32.5°	960.4	966.2	963.3	957.4	948.6	936.9	931.0	922.2	916.3	907.5	901.6
35°	1045.5	1048.5	1045.5	1039.7	1025.0	1013.2	1007.4	1001.5	995.6	983.9	972.1
37.5°	1139.5	1142.5	1145.4	1139.5	1121.9	1104.3	1098.4	1089.6	1086.7	1072.0	1066.1
40°	1248.2	1254.1	1251.1	1242.3	1227.6	1210.0	1207.1	1198.3	1189.5	1180.6	1166.0
42.5°	1380.3	1380.3	1377.4	1371.5	1359.8	1339.2	1333.4	1324.5	1318.7	1301.1	1277.6
45°	1533.1	1536.0	1527.2	1518.4	1515.4	1497.8	1483.1	1474.3	1456.7	1436.2	1409.7
47.5°	1712.2	1709.3	1697.5	1688.7	1685.8	1671.1	1659.4	1641.7	1618.2	1594.7	1544.8
50°	1897.2	1897.2	1876.7	1867.9	1873.8	1853.2	1838.5	1817.9	1794.5	1771.0	1697.5
52.5°	2097.0	2088.1	2067.6	2070.5	2061.7	2041.2	2023.5	2008.8	1985.4	1964.8	1847.3
55°	2296.7	2284.9	2252.6	2255.6	2240.9	2217.4	2205.6	2188.0	2182.1	2158.6	1991.2
57.5°	2481.7	2467.0	2431.8	2428.8	2417.1	2390.6	2384.8	2364.2	2349.5	2337.8	2099.9
60°	2660.8	2646.2	2613.9	2602.1	2578.6	2552.2	2555.1	2543.4	2534.6	2522.8	2220.3
62.5°	2822.4	2804.8	2775.4	2751.9	2719.6	2696.1	2699.0	2693.2	2699.0	2696.1	2323.1
65°	3042.6	3025.0	2981.0	2939.9	2892.9	2857.6	2854.7	2863.5	2925.2	2931.0	2481.7
67.5°	3119.0	3101.4	3045.6	2995.7	2957.5	2931.0	2925.2	2922.2	2939.9	2981.0	2449.4
70°	2878.2	2866.4	2813.6	2778.3	2740.1	2722.5	2704.9	2713.7	2731.3	2728.4	2246.7
72.5°	2484.6	2549.2	2481.7	2449.4	2440.6	2393.6	2405.3	2396.5	2408.3	2405.3	1997.1
75°	2055.8	2038.2	2023.5	2079.3	2038.2	2003.0	2023.5	2044.1	2064.7	2041.2	1750.4
77.5°	1494.9	1506.6	1500.8	1521.3	1559.5	1541.9	1530.1	1580.1	1588.9	1509.6	1359.8
80°	751.9	798.8	813.5	848.8	869.3	831.1	798.8	869.3	857.6	766.5	690.2
82.5°	196.8	199.7	229.1	270.2	276.1	270.2	276.1	270.2	235.0	149.8	126.3
85°	164.5	164.5	202.6	246.7	255.5	243.8	243.8	229.1	182.1	94.0	76.4
87.5°	135.1	141.0	182.1	223.2	229.1	217.3	214.4	196.8	158.6	82.2	64.6
90°	120.4	126.3	164.5	199.7	202.6	190.9	188.0	176.2	143.9	82.2	64.6
92.5°	132.2	135.1	161.5	182.1	182.1	173.3	170.3	161.5	141.0	102.8	79.3
95°	117.5	120.4	132.2	141.0	138.0	129.2	135.1	126.3	117.5	96.9	73.4
97.5°	96.9	99.9	102.8	102.8	99.9	94.0	99.9	96.9	91.0	79.3	58.7
100°	73.4	73.4	73.4	76.4	73.4	70.5	73.4	67.5	64.6	55.8	41.1
102.5°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	44.1	41.1	35.2	23.5
105°	29.4	29.4	26.4	29.4	29.4	26.4	26.4	23.5	17.6	14.7	8.8
107.5°	11.7	11.7	8.8	8.8	8.8	8.8	5.9	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: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-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: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1	834.1
2.5°	825.3	825.3	825.3	825.3	825.3	825.3	828.2	831.1	834.1	834.1
5°	810.6	810.6	810.6	807.7	810.6	813.5	816.5	816.5	819.4	819.4
7.5°	781.2	778.3	778.3	778.3	781.2	787.1	787.1	790.0	793.0	793.0
10°	743.0	743.0	743.0	743.0	746.0	751.9	751.9	757.7	757.7	757.7
12.5°	722.5	722.5	719.5	716.6	722.5	722.5	731.3	734.2	737.2	743.0
15°	710.7	707.8	710.7	710.7	713.7	716.6	719.5	725.4	728.4	731.3
17.5°	710.7	710.7	710.7	713.7	716.6	716.6	719.5	725.4	728.4	731.3
20°	722.5	722.5	719.5	719.5	722.5	722.5	728.4	734.2	737.2	740.1
22.5°	740.1	737.2	737.2	734.2	737.2	740.1	746.0	751.9	751.9	751.9
25°	763.6	760.7	760.7	760.7	766.5	766.5	772.4	778.3	778.3	778.3
27.5°	801.8	795.9	793.0	793.0	793.0	795.9	801.8	804.7	807.7	807.7
30°	834.1	828.2	825.3	822.3	825.3	828.2	834.1	840.0	840.0	840.0
32.5°	892.8	878.1	869.3	872.3	872.3	875.2	881.1	881.1	884.0	884.0
35°	960.4	945.7	931.0	933.9	933.9	936.9	936.9	936.9	942.7	936.9
37.5°	1045.5	1022.0	1010.3	1013.2	1007.4	1007.4	1007.4	1007.4	1004.4	1010.3
40°	1136.6	1101.3	1089.6	1092.5	1089.6	1086.7	1086.7	1089.6	1086.7	1089.6
42.5°	1121.9	975.1	1010.3	1051.4	1080.8	1101.3	1124.8	1136.6	1136.6	1148.3
45°	980.9	578.6	619.7	675.5	722.5	772.4	795.9	813.5	825.3	848.8
47.5°	851.7	208.5	237.9	276.1	326.0	326.0	367.1	384.7	390.6	411.2
50°	828.2	32.3	26.4	29.4	32.3	35.2	38.2	47.0	47.0	58.7
52.5°	901.6	29.4	17.6	11.7	11.7	8.8	5.9	5.9	5.9	8.8
55°	983.9	32.3	17.6	11.7	8.8	8.8	2.9	2.9	2.9	2.9
57.5°	1054.4	29.4	14.7	11.7	8.8	5.9	0.0	0.0	0.0	0.0
60°	1130.7	32.3	17.6	11.7	8.8	5.9	0.0	0.0	0.0	0.0
62.5°	1198.3	32.3	17.6	11.7	8.8	2.9	0.0	0.0	0.0	0.0
65°	1295.2	35.2	17.6	11.7	5.9	0.0	0.0	0.0	0.0	0.0
67.5°	1312.8	35.2	17.6	8.8	2.9	0.0	0.0	0.0	0.0	0.0
70°	1171.8	29.4	11.7	5.9	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	1007.4	17.6	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	810.6	14.7	5.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	543.3	11.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	243.8	8.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
82.5°	52.9	5.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.2	5.9	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
87.5°	32.3	2.9	2.9	2.9	0.0	0.0	0.0	2.9	0.0	0.0
90°	32.3	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	38.2	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	35.2	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	26.4	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.8	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: P691833

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-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)