

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: P691948

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10474 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G3

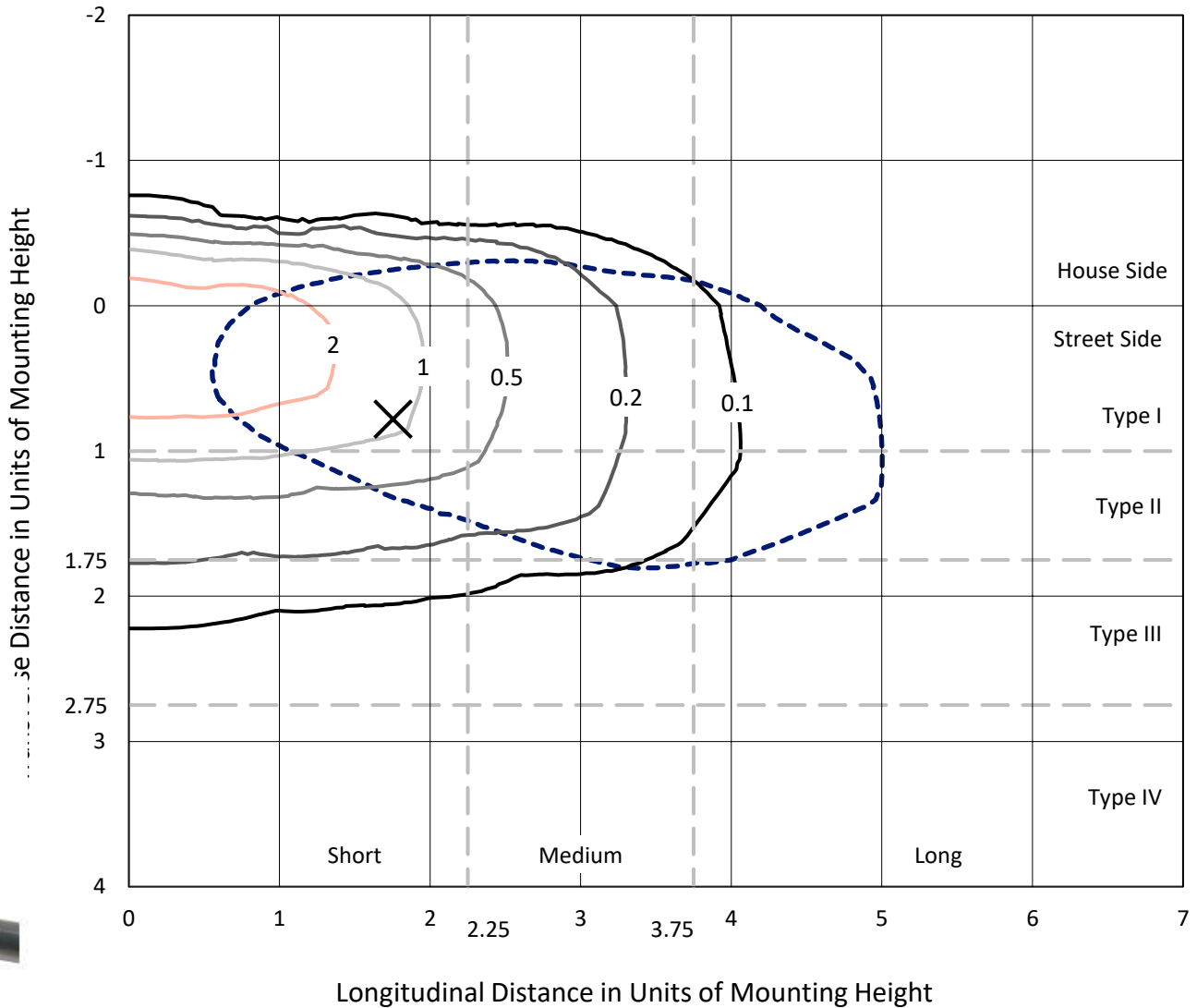
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691948
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

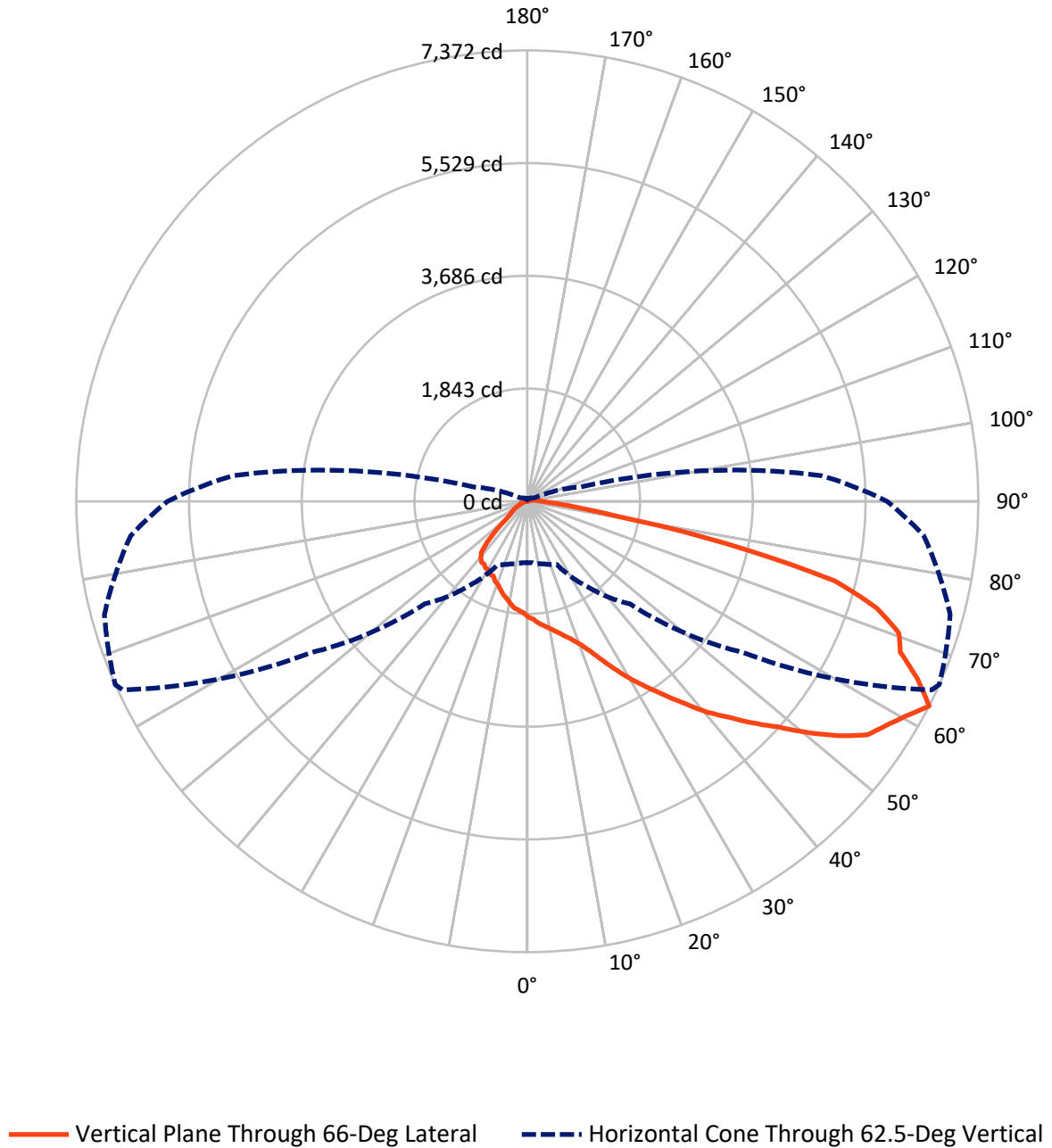
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

REPORT NUMBER: P691948
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691948

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

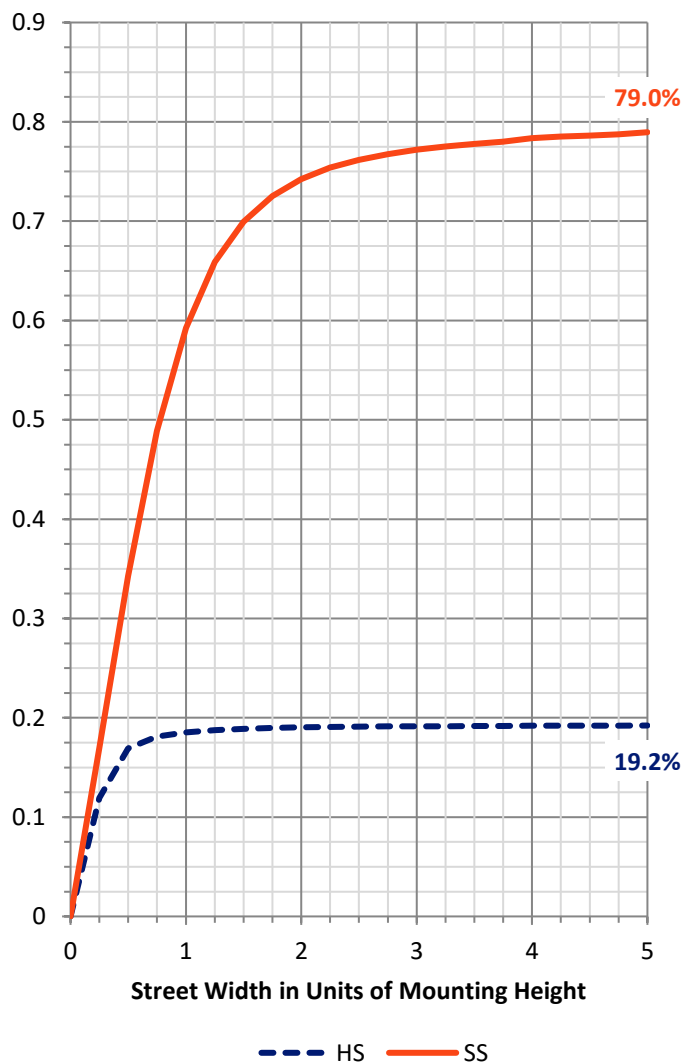
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2042.1	28.8	2070.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	8323.2	79.9	8403.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	10365.3	108.7	10474.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	1.7
10°-20°	527.0	5.0
20°-30°	886.8	8.5
30°-40°	1318.7	12.6
40°-50°	1744.8	16.7
50°-60°	2031.5	19.4
60°-70°	2028.1	19.4
70°-80°	1361.0	13.0
80°-90°	287.6	2.7
90°-100°	87.6	0.8
100°-110°	15.3	0.1
110°-120°	1.1	0.0
120°-130°	1.3	0.0
130°-140°	1.2	0.0
140°-150°	1.0	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	10365.3	99.0
0°-180°	10474.0	100.0

Coefficient of Utilization



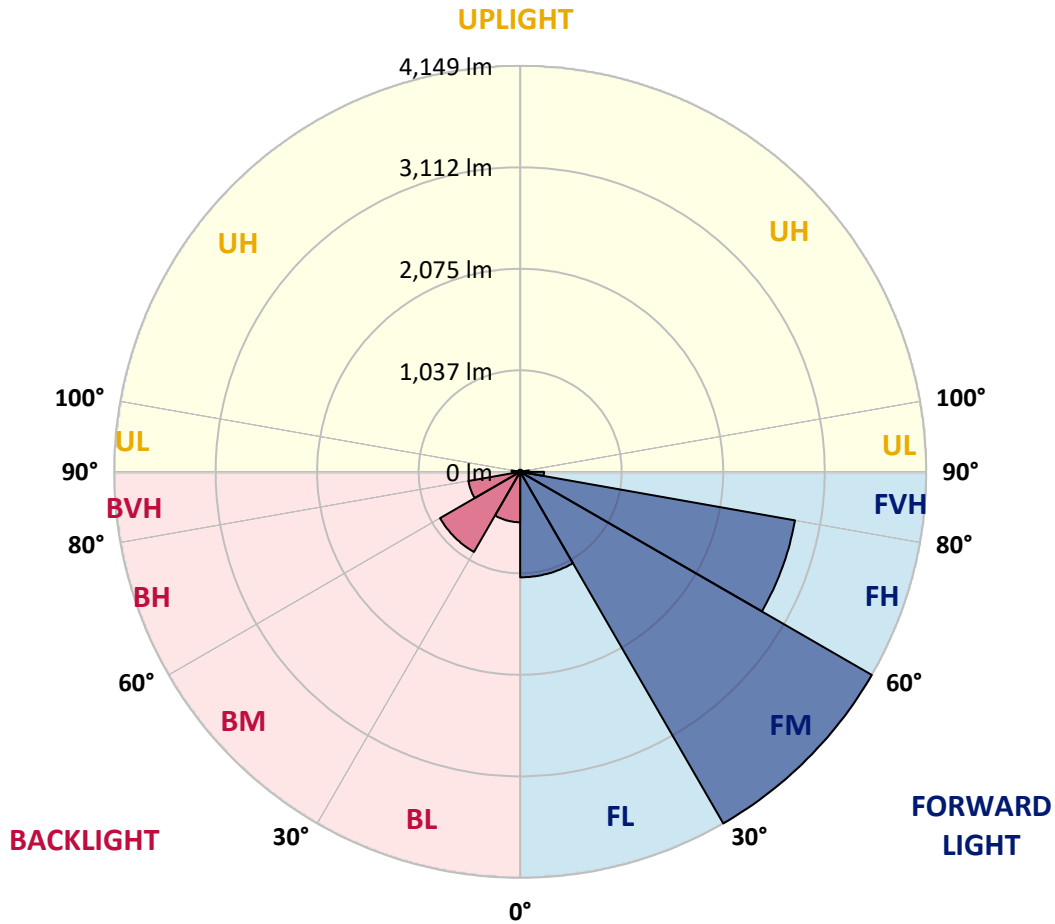
REPORT NUMBER: P691948
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.3	10.3			
FM (30°-60°)	4149.5	39.6			
FH (60°-80°)	2852.1	27.2			G2/5000
FVH (80°-90°)	243.3	2.3			G3/500
BL (0°-30°)	515.2	4.9	B2/1000		
BM (30°-60°)	945.6	9.0	B1/1000		
BH (60°-80°)	537.0	5.1	B2/1000		G2/1000
BVH (80°-90°)	44.2	0.4			G1/100
UL (90°-100°)	87.6	0.8		U3/500	
UH (100°-180°)	21.1	0.2		U2/50	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P691948

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3
2.5°	2020.0	2008.4	2012.3	1992.9	1973.6	1962.0	1950.4	1931.0	1931.0	1915.5	1896.2
5°	2163.2	2167.1	2163.2	2140.0	2116.8	2082.0	2039.4	2004.6	2004.6	1969.7	1923.3
7.5°	2260.0	2256.1	2256.1	2229.0	2213.5	2194.2	2143.9	2066.5	2062.6	2016.2	1958.1
10°	2298.7	2302.5	2318.0	2279.3	2263.8	2236.7	2209.7	2132.3	2124.5	2047.1	1954.2
12.5°	2383.8	2387.7	2379.9	2349.0	2329.6	2310.3	2267.7	2201.9	2194.2	2109.0	1981.3
15°	2484.4	2484.4	2472.8	2441.8	2430.2	2403.1	2352.8	2290.9	2283.2	2186.4	2031.6
17.5°	2538.6	2546.3	2546.3	2503.8	2507.6	2496.0	2468.9	2387.7	2376.1	2287.1	2101.3
20°	2565.7	2569.5	2577.3	2577.3	2573.4	2569.5	2585.0	2511.5	2503.8	2399.3	2182.6
22.5°	2643.1	2650.8	2670.2	2658.6	2670.2	2685.6	2689.5	2685.6	2674.0	2561.8	2318.0
25°	2677.9	2701.1	2728.2	2763.0	2797.9	2821.1	2875.3	2902.3	2894.6	2786.3	2530.8
27.5°	2639.2	2662.4	2759.2	2825.0	2933.3	2999.1	3099.7	3142.3	3138.4	3049.4	2751.4
30°	2705.0	2712.7	2755.3	2848.2	2987.5	3169.4	3308.7	3374.5	3389.9	3308.7	2983.6
32.5°	2608.2	2635.3	2755.3	2929.4	3138.4	3331.9	3467.3	3614.4	3633.7	3598.9	3289.3
35°	2600.5	2619.9	2685.6	2875.3	3142.3	3502.2	3687.9	3889.1	3904.6	3916.2	3598.9
37.5°	2492.1	2519.2	2650.8	2890.7	3258.4	3614.4	3873.7	4163.9	4202.6	4249.0	3858.2
40°	2372.2	2391.5	2503.8	2759.2	3231.3	3746.0	4051.7	4496.7	4535.4	4593.5	4202.6
42.5°	2194.2	2236.7	2426.4	2701.1	3215.8	3784.7	4229.7	4790.8	4825.6	4906.9	4492.8
45°	2035.5	2054.9	2201.9	2503.8	3092.0	3854.3	4380.6	5135.2	5170.0	5208.7	4721.2
47.5°	1911.7	1934.9	2074.2	2345.1	2968.1	3838.8	4519.9	5475.8	5514.5	5603.5	5003.6
50°	1517.0	1575.0	1927.2	2190.3	2763.0	3807.9	4639.9	5855.0	5944.0	5978.8	5297.8
52.5°	1304.1	1323.5	1505.4	2051.0	2561.8	3695.7	4744.4	6269.1	6369.7	6303.9	5692.5
55°	1215.1	1226.7	1315.7	1776.2	2379.9	3467.3	4829.5	6667.7	6741.2	6532.2	5982.7
57.5°	1149.3	1168.7	1207.4	1439.6	2167.1	3084.2	4833.4	6888.2	6915.3	6721.8	6122.0
60°	1064.2	1071.9	1153.2	1253.8	1927.2	2685.6	4701.8	7000.5	7120.4	6942.4	6404.5
62.5°	1002.3	1010.0	1060.3	1141.6	1698.8	2372.2	4314.8	7298.4	7372.0	7155.3	6509.0
65°	924.9	936.5	979.1	1060.3	1540.2	2182.6	4121.3	7221.0	7008.2	7104.9	6629.0
67.5°	843.6	851.4	897.8	959.7	1311.9	2000.7	3641.5	6729.6	6574.8	6853.4	6307.8
70°	758.5	766.2	808.8	851.4	1079.7	1776.2	3033.9	6311.6	6443.2	6458.7	6005.9
72.5°	669.5	677.2	715.9	750.7	893.9	1493.7	2410.9	5893.7	5975.0	5738.9	5305.5
75°	580.5	584.3	615.3	650.1	743.0	1203.5	1725.9	4887.6	5197.1	5483.5	4578.0
77.5°	468.2	476.0	506.9	518.6	595.9	971.3	1118.4	2906.2	3312.5	4798.5	4109.7
80°	344.4	348.3	379.2	375.4	445.0	708.2	704.3	1381.5	1486.0	2964.3	3018.4
82.5°	228.3	236.1	263.1	255.4	301.8	429.5	441.2	743.0	793.3	1149.3	1323.5
85°	181.9	185.8	201.2	185.8	201.2	216.7	243.8	448.9	456.6	681.1	677.2
87.5°	147.1	150.9	166.4	154.8	158.7	166.4	193.5	286.4	294.1	429.5	445.0
90°	116.1	120.0	139.3	127.7	127.7	139.3	162.5	212.8	224.4	336.7	363.8
92.5°	77.4	77.4	89.0	85.1	85.1	100.6	143.2	158.7	170.3	313.5	328.9
95°	58.0	58.0	61.9	61.9	61.9	73.5	108.4	150.9	166.4	305.7	298.0
97.5°	38.7	38.7	42.6	42.6	42.6	46.4	61.9	123.8	139.3	247.7	243.8
100°	27.1	27.1	27.1	23.2	23.2	23.2	34.8	81.3	92.9	158.7	158.7
102.5°	19.3	15.5	15.5	15.5	11.6	11.6	15.5	38.7	42.6	85.1	81.3
105°	3.9	3.9	7.7	7.7	7.7	3.9	3.9	15.5	15.5	34.8	34.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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: P691948
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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	3.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	3.9
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: P691948

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3	1892.3
2.5°	1884.6	1873.0	1845.9	1822.7	1803.3	1784.0	1753.0	1741.4	1733.7	1745.3	1745.3
5°	1896.2	1865.2	1818.8	1780.1	1745.3	1702.7	1656.3	1629.2	1606.0	1617.6	1617.6
7.5°	1915.5	1873.0	1814.9	1749.1	1660.1	1586.6	1528.6	1493.7	1474.4	1486.0	1493.7
10°	1903.9	1857.5	1780.1	1679.5	1575.0	1497.6	1424.1	1369.9	1350.6	1342.8	1350.6
12.5°	1915.5	1861.4	1729.8	1609.8	1509.2	1385.4	1296.4	1238.3	1215.1	1215.1	1215.1
15°	1954.2	1873.0	1698.8	1559.5	1404.7	1284.8	1191.9	1130.0	1122.2	1095.2	1095.2
17.5°	2008.4	1884.6	1687.2	1482.1	1311.9	1188.0	1079.7	1017.8	998.4	1002.3	1002.3
20°	2062.6	1907.8	1664.0	1416.3	1226.7	1079.7	967.4	909.4	863.0	847.5	855.2
22.5°	2155.5	1973.6	1644.7	1381.5	1130.0	990.7	866.8	770.1	692.7	669.5	657.9
25°	2290.9	2078.1	1671.8	1300.3	1071.9	890.1	743.0	607.6	514.7	491.5	487.6
27.5°	2538.6	2240.6	1702.7	1300.3	979.1	801.0	592.1	448.9	375.4	352.2	359.9
30°	2770.8	2461.2	1791.7	1230.6	940.4	642.4	441.2	336.7	270.9	243.8	251.5
32.5°	2964.3	2670.2	1915.5	1215.1	828.1	476.0	321.2	236.1	189.6	174.1	178.0
35°	3242.9	2848.2	2012.3	1160.9	681.1	348.3	224.4	166.4	147.1	139.3	139.3
37.5°	3509.9	3064.9	2109.0	1149.3	503.1	255.4	150.9	135.4	131.6	120.0	120.0
40°	3765.3	3285.5	2151.6	1083.5	356.0	166.4	127.7	123.8	120.0	108.4	108.4
42.5°	4078.8	3498.3	2190.3	998.4	247.7	123.8	112.2	116.1	112.2	100.6	96.7
45°	4318.7	3641.5	2201.9	781.7	158.7	116.1	104.5	108.4	104.5	92.9	92.9
47.5°	4519.9	3835.0	2155.5	534.0	131.6	108.4	96.7	100.6	96.7	89.0	85.1
50°	4725.0	4013.0	2112.9	286.4	123.8	104.5	92.9	85.1	89.0	81.3	77.4
52.5°	5003.6	4144.6	2000.7	174.1	116.1	96.7	85.1	77.4	77.4	69.7	73.5
55°	5386.8	4469.6	1791.7	162.5	112.2	92.9	81.3	69.7	69.7	61.9	61.9
57.5°	5557.0	4597.3	1455.0	147.1	108.4	92.9	73.5	61.9	54.2	50.3	46.4
60°	5766.0	4786.9	1145.5	135.4	100.6	89.0	65.8	54.2	42.6	38.7	38.7
62.5°	5882.1	4825.6	893.9	123.8	96.7	77.4	58.0	42.6	34.8	27.1	27.1
65°	5940.1	4798.5	595.9	112.2	89.0	73.5	50.3	34.8	23.2	19.3	19.3
67.5°	5719.6	4655.4	344.4	104.5	85.1	65.8	42.6	27.1	19.3	15.5	11.6
70°	5344.2	4237.4	216.7	92.9	81.3	58.0	38.7	23.2	15.5	11.6	7.7
72.5°	4903.0	3459.6	158.7	85.1	77.4	50.3	31.0	19.3	11.6	7.7	7.7
75°	4477.4	3014.6	135.4	73.5	65.8	42.6	27.1	15.5	11.6	7.7	3.9
77.5°	3204.2	2054.9	120.0	65.8	58.0	34.8	19.3	15.5	7.7	3.9	3.9
80°	2275.4	1207.4	108.4	54.2	46.4	27.1	19.3	11.6	7.7	3.9	3.9
82.5°	1091.3	626.9	104.5	46.4	34.8	23.2	15.5	11.6	7.7	3.9	3.9
85°	495.3	267.0	77.4	42.6	31.0	23.2	15.5	11.6	7.7	7.7	3.9
87.5°	301.8	139.3	61.9	34.8	23.2	19.3	11.6	7.7	7.7	7.7	7.7
90°	282.5	181.9	46.4	27.1	19.3	15.5	11.6	3.9	0.0	0.0	0.0
92.5°	270.9	209.0	34.8	19.3	11.6	11.6	3.9	0.0	0.0	0.0	0.0
95°	255.4	197.4	38.7	11.6	19.3	7.7	3.9	0.0	0.0	0.0	0.0
97.5°	201.2	154.8	42.6	11.6	96.7	7.7	3.9	0.0	0.0	0.0	0.0
100°	127.7	96.7	31.0	11.6	116.1	7.7	0.0	0.0	0.0	0.0	0.0
102.5°	73.5	54.2	15.5	11.6	34.8	3.9	0.0	0.0	0.0	0.0	0.0
105°	31.0	27.1	7.7	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
107.5°	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
110°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691948
 CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
115°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
117.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
120°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
125°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
130°	3.9	3.9	3.9	7.7	3.9	3.9	3.9	0.0	0.0	0.0	0.0
132.5°	3.9	3.9	3.9	7.7	3.9	3.9	3.9	0.0	0.0	0.0	0.0
135°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
137.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
152.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
155°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
157.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
160°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
162.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
165°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
167.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
170°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
172.5°	3.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.9	3.9	3.9	3.9	3.9	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

(END OF REPORT)