

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: P691932

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691932
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-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10099.9 lumens
Efficiency: N/A
Efficacy: 127.8 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

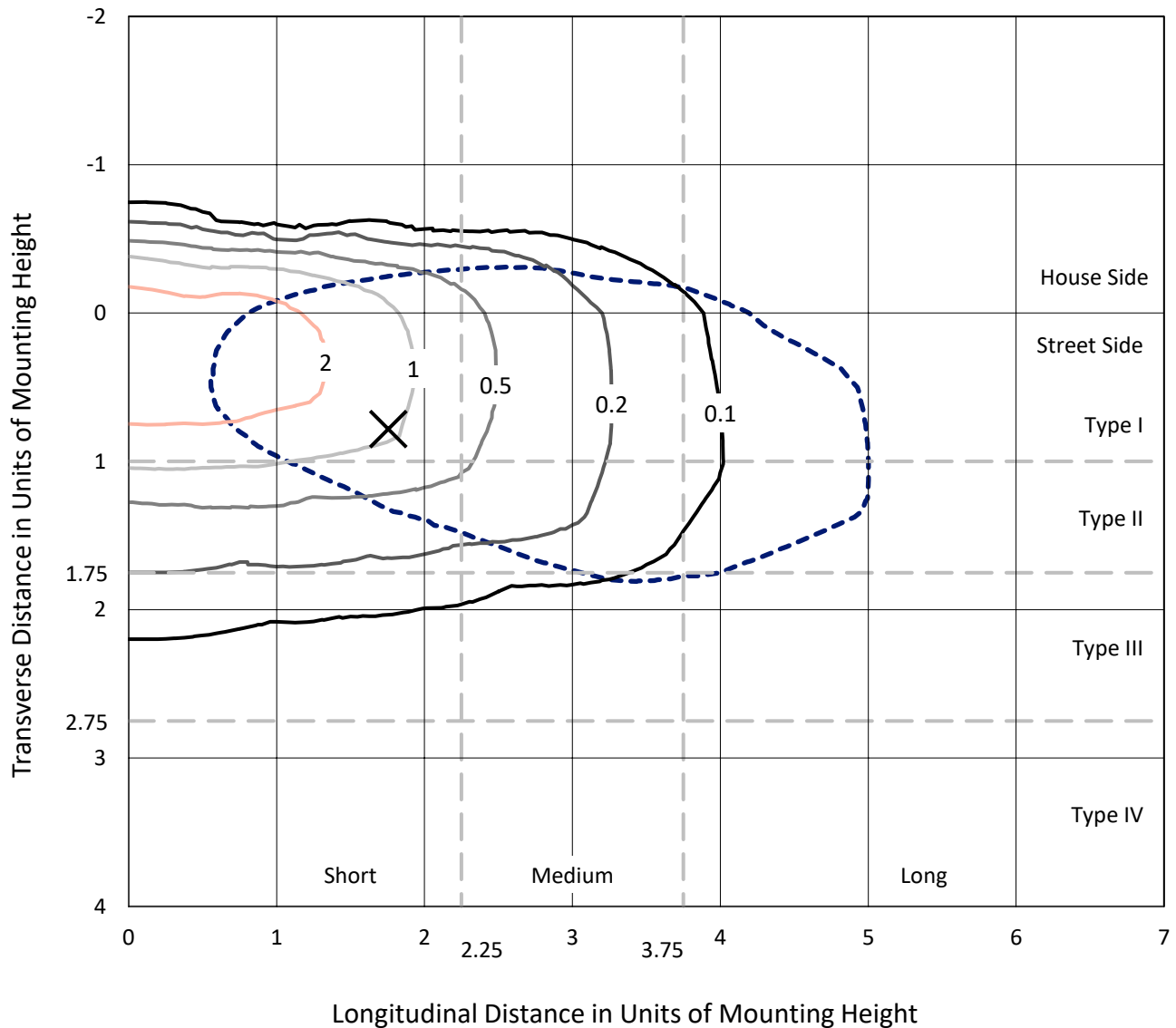


REPORT NUMBER: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

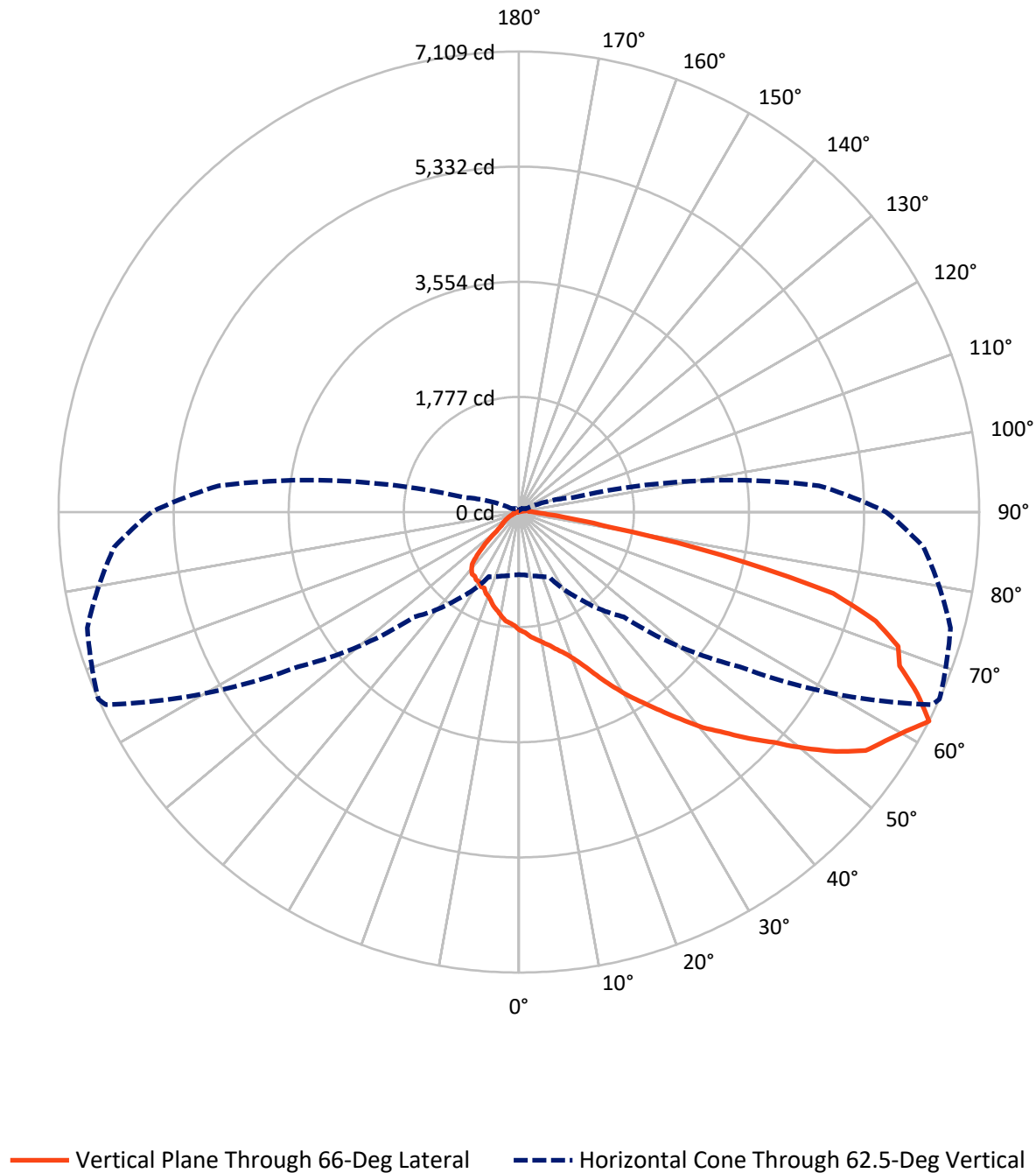


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type II - Short - N/A

REPORT NUMBER: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

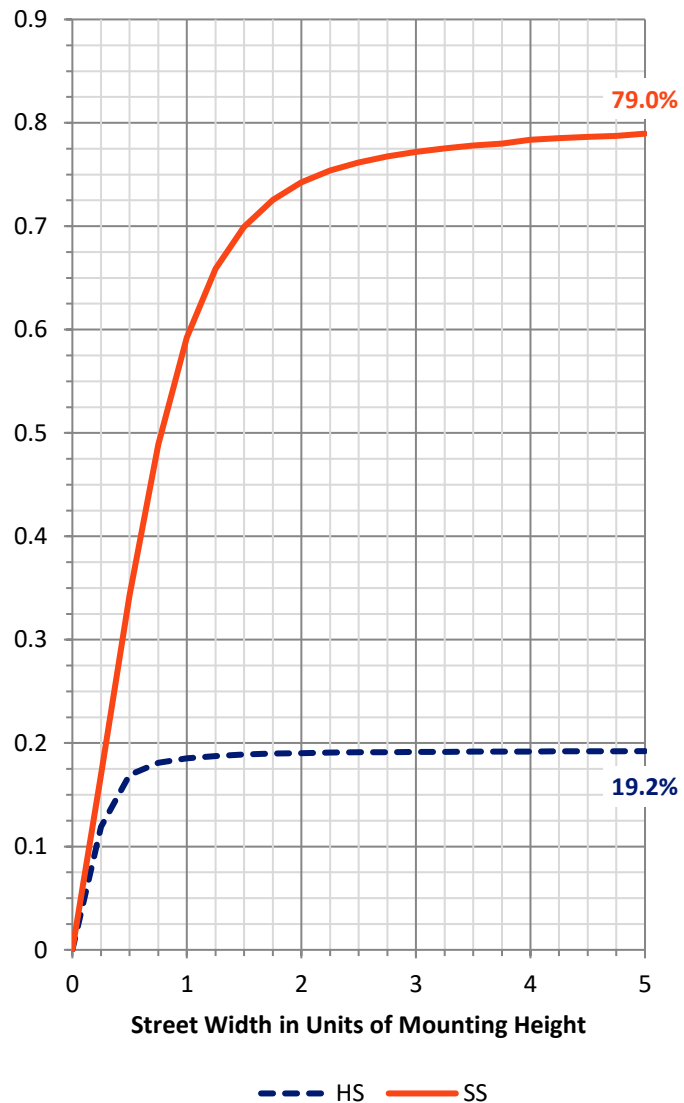
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1969.2	27.7	1996.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	8026.0	77.0	8103.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	9995.2	104.7	10099.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	1.7
10°-20°	508.2	5.0
20°-30°	855.1	8.5
30°-40°	1271.6	12.6
40°-50°	1682.5	16.7
50°-60°	1959.0	19.4
60°-70°	1955.7	19.4
70°-80°	1312.4	13.0
80°-90°	277.3	2.7
90°-100°	84.4	0.8
100°-110°	14.7	0.1
110°-120°	1.1	0.0
120°-130°	1.3	0.0
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	9995.2	99.0
0°-180°	10099.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691932

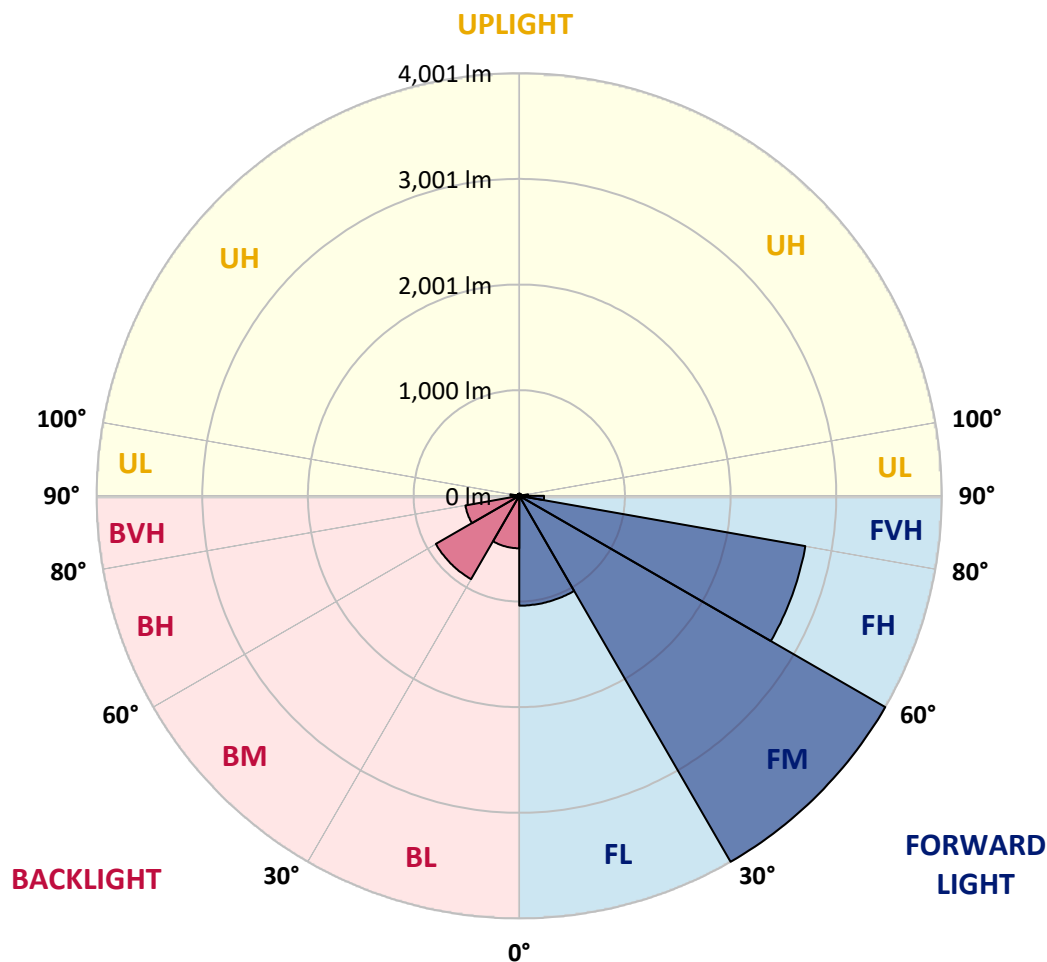
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1039.8	10.3			
FM	(30°-60°)	4001.3	39.6			
FH	(60°-80°)	2750.3	27.2			G2/5000
FVH	(80°-90°)	234.7	2.3			G3/500
BL	(0°-30°)	496.8	4.9	B1/500		
BM	(30°-60°)	911.8	9.0	B1/1000		
BH	(60°-80°)	517.8	5.1	B2/1000		G2/1000
BVH	(80°-90°)	42.7	0.4			G1/100
UL	(90°-100°)	84.4	0.8		U3/500	
UH	(100°-180°)	20.3	0.2		U2/50	

BUG Rating: B2-U3-G3

Type II Short



REPORT NUMBER: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8
2.5°	1947.9	1936.7	1940.4	1921.8	1903.1	1891.9	1880.7	1862.1	1862.1	1847.2	1828.5
5°	2086.0	2089.7	2086.0	2063.6	2041.2	2007.6	1966.6	1933.0	1933.0	1899.4	1854.6
7.5°	2179.3	2175.5	2175.5	2149.4	2134.5	2115.8	2067.3	1992.7	1989.0	1944.2	1888.2
10°	2216.6	2220.3	2235.2	2197.9	2183.0	2156.9	2130.8	2056.1	2048.7	1974.0	1884.5
12.5°	2298.7	2302.4	2294.9	2265.1	2246.4	2227.8	2186.7	2123.3	2115.8	2033.7	1910.6
15°	2395.7	2395.7	2384.5	2354.7	2343.5	2317.3	2268.8	2209.1	2201.7	2108.4	1959.1
17.5°	2447.9	2455.4	2455.4	2414.4	2418.1	2406.9	2380.8	2302.4	2291.2	2205.4	2026.3
20°	2474.1	2477.8	2485.3	2485.3	2481.5	2477.8	2492.7	2421.8	2414.4	2313.6	2104.6
22.5°	2548.7	2556.2	2574.8	2563.6	2574.8	2589.7	2593.5	2589.7	2578.5	2470.3	2235.2
25°	2582.3	2604.7	2630.8	2664.4	2698.0	2720.3	2772.6	2798.7	2791.2	2686.8	2440.5
27.5°	2545.0	2567.4	2660.6	2724.1	2828.6	2892.0	2989.0	3030.1	3026.3	2940.5	2653.2
30°	2608.4	2615.9	2656.9	2746.5	2880.8	3056.2	3190.5	3254.0	3268.9	3190.5	2877.1
32.5°	2515.1	2541.2	2656.9	2824.8	3026.3	3212.9	3343.5	3485.3	3504.0	3470.4	3171.9
35°	2507.6	2526.3	2589.7	2772.6	3030.1	3377.1	3556.2	3750.3	3765.2	3776.4	3470.4
37.5°	2403.2	2429.3	2556.2	2787.5	3142.0	3485.3	3735.3	4015.2	4052.5	4097.3	3720.4
40°	2287.5	2306.1	2414.4	2660.6	3115.9	3612.2	3907.0	4336.1	4373.5	4429.4	4052.5
42.5°	2115.8	2156.9	2339.7	2604.7	3101.0	3649.5	4078.7	4619.7	4653.3	4731.7	4332.4
45°	1962.8	1981.5	2123.3	2414.4	2981.6	3716.7	4224.2	4951.9	4985.4	5022.8	4552.6
47.5°	1843.4	1865.8	2000.1	2261.4	2862.2	3701.8	4358.5	5280.2	5317.6	5403.4	4825.0
50°	1462.8	1518.8	1858.3	2112.1	2664.4	3671.9	4474.2	5645.9	5731.8	5765.3	5108.6
52.5°	1257.6	1276.2	1451.6	1977.8	2470.3	3563.7	4575.0	6045.2	6142.2	6078.8	5489.2
55°	1171.7	1182.9	1268.7	1712.8	2294.9	3343.5	4657.1	6429.6	6500.5	6299.0	5769.1
57.5°	1108.3	1126.9	1164.3	1388.2	2089.7	2974.1	4660.8	6642.3	6668.4	6481.8	5903.4
60°	1026.2	1033.7	1112.0	1209.0	1858.3	2589.7	4533.9	6750.5	6866.2	6694.5	6175.8
62.5°	966.5	974.0	1022.5	1100.8	1638.2	2287.5	4160.8	7037.8	7108.7	6899.8	6276.6
65°	891.9	903.1	944.1	1022.5	1485.2	2104.6	3974.2	6963.2	6758.0	6851.2	6392.3
67.5°	813.5	821.0	865.7	925.4	1265.0	1929.2	3511.5	6489.3	6340.0	6608.7	6082.5
70°	731.4	738.9	779.9	821.0	1041.1	1712.8	2925.6	6086.3	6213.1	6228.1	5791.5
72.5°	645.6	653.0	690.3	723.9	862.0	1440.4	2324.8	5683.3	5761.6	5534.0	5116.0
75°	559.7	563.5	593.3	626.9	716.5	1160.5	1664.3	4713.0	5011.6	5287.7	4414.5
77.5°	451.5	459.0	488.8	500.0	574.7	936.6	1078.4	2802.4	3194.3	4627.2	3963.0
80°	332.1	335.8	365.7	362.0	429.1	682.9	679.2	1332.2	1432.9	2858.4	2910.7
82.5°	220.2	227.6	253.7	246.3	291.1	414.2	425.4	716.5	765.0	1108.3	1276.2
85°	175.4	179.1	194.0	179.1	194.0	209.0	235.1	432.9	440.3	656.8	653.0
87.5°	141.8	145.5	160.5	149.3	153.0	160.5	186.6	276.1	283.6	414.2	429.1
90°	111.9	115.7	134.3	123.1	123.1	134.3	156.7	205.2	216.4	324.7	350.8
92.5°	74.6	74.6	85.8	82.1	82.1	97.0	138.1	153.0	164.2	302.3	317.2
95°	56.0	56.0	59.7	59.7	59.7	70.9	104.5	145.5	160.5	294.8	287.3
97.5°	37.3	37.3	41.0	41.0	41.0	44.8	59.7	119.4	134.3	238.8	235.1
100°	26.1	26.1	26.1	22.4	22.4	22.4	33.6	78.4	89.6	153.0	153.0
102.5°	18.7	14.9	14.9	14.9	11.2	11.2	14.9	37.3	41.0	82.1	78.4
105°	3.7	3.7	7.5	7.5	7.5	3.7	3.7	14.9	14.9	33.6	33.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-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	3.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7
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: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8
2.5°	1817.3	1806.1	1780.0	1757.6	1738.9	1720.3	1690.4	1679.2	1671.8	1683.0	1683.0
5°	1828.5	1798.6	1753.9	1716.5	1683.0	1641.9	1597.1	1571.0	1548.6	1559.8	1559.8
7.5°	1847.2	1806.1	1750.1	1686.7	1600.9	1530.0	1474.0	1440.4	1421.7	1432.9	1440.4
10°	1836.0	1791.2	1716.5	1619.5	1518.8	1444.1	1373.2	1321.0	1302.3	1294.9	1302.3
12.5°	1847.2	1794.9	1668.0	1552.4	1455.3	1335.9	1250.1	1194.1	1171.7	1171.7	1171.7
15°	1884.5	1806.1	1638.2	1503.8	1354.6	1238.9	1149.3	1089.6	1082.2	1056.0	1056.0
17.5°	1936.7	1817.3	1627.0	1429.2	1265.0	1145.6	1041.1	981.4	962.8	966.5	966.5
20°	1989.0	1839.7	1604.6	1365.8	1182.9	1041.1	932.9	876.9	832.2	817.2	824.7
22.5°	2078.5	1903.1	1585.9	1332.2	1089.6	955.3	835.9	742.6	668.0	645.6	634.4
25°	2209.1	2003.9	1612.1	1253.8	1033.7	858.3	716.5	585.9	496.3	473.9	470.2
27.5°	2447.9	2160.6	1641.9	1253.8	944.1	772.4	570.9	432.9	362.0	339.6	347.0
30°	2671.8	2373.3	1727.7	1186.7	906.8	619.4	425.4	324.7	261.2	235.1	242.6
32.5°	2858.4	2574.8	1847.2	1171.7	798.6	459.0	309.7	227.6	182.8	167.9	171.7
35°	3127.1	2746.5	1940.4	1119.5	656.8	335.8	216.4	160.5	141.8	134.3	134.3
37.5°	3384.6	2955.4	2033.7	1108.3	485.1	246.3	145.5	130.6	126.9	115.7	115.7
40°	3630.9	3168.1	2074.8	1044.9	343.3	160.5	123.1	119.4	115.7	104.5	104.5
42.5°	3933.1	3373.4	2112.1	962.8	238.8	119.4	108.2	111.9	108.2	97.0	93.3
45°	4164.5	3511.5	2123.3	753.8	153.0	111.9	100.8	104.5	100.8	89.6	89.6
47.5°	4358.5	3698.0	2078.5	515.0	126.9	104.5	93.3	97.0	93.3	85.8	82.1
50°	4556.3	3869.7	2037.5	276.1	119.4	100.8	89.6	82.1	85.8	78.4	74.6
52.5°	4825.0	3996.6	1929.2	167.9	111.9	93.3	82.1	74.6	74.6	67.2	70.9
55°	5194.4	4310.0	1727.7	156.7	108.2	89.6	78.4	67.2	67.2	59.7	59.7
57.5°	5358.6	4433.2	1403.1	141.8	104.5	89.6	70.9	59.7	52.2	48.5	44.8
60°	5560.1	4616.0	1104.6	130.6	97.0	85.8	63.4	52.2	41.0	37.3	37.3
62.5°	5672.1	4653.3	862.0	119.4	93.3	74.6	56.0	41.0	33.6	26.1	26.1
65°	5728.0	4627.2	574.7	108.2	85.8	70.9	48.5	33.6	22.4	18.7	18.7
67.5°	5515.3	4489.1	332.1	100.8	82.1	63.4	41.0	26.1	18.7	14.9	11.2
70°	5153.4	4086.1	209.0	89.6	78.4	56.0	37.3	22.4	14.9	11.2	7.5
72.5°	4728.0	3336.1	153.0	82.1	74.6	48.5	29.9	18.7	11.2	7.5	7.5
75°	4317.5	2906.9	130.6	70.9	63.4	41.0	26.1	14.9	11.2	7.5	3.7
77.5°	3089.8	1981.5	115.7	63.4	56.0	33.6	18.7	14.9	7.5	3.7	3.7
80°	2194.2	1164.3	104.5	52.2	44.8	26.1	18.7	11.2	7.5	3.7	3.7
82.5°	1052.3	604.5	100.8	44.8	33.6	22.4	14.9	11.2	7.5	3.7	3.7
85°	477.6	257.5	74.6	41.0	29.9	22.4	14.9	11.2	7.5	7.5	3.7
87.5°	291.1	134.3	59.7	33.6	22.4	18.7	11.2	7.5	7.5	7.5	7.5
90°	272.4	175.4	44.8	26.1	18.7	14.9	11.2	3.7	0.0	0.0	0.0
92.5°	261.2	201.5	33.6	18.7	11.2	11.2	3.7	0.0	0.0	0.0	0.0
95°	246.3	190.3	37.3	11.2	18.7	7.5	3.7	0.0	0.0	0.0	0.0
97.5°	194.0	149.3	41.0	11.2	93.3	7.5	3.7	0.0	0.0	0.0	0.0
100°	123.1	93.3	29.9	11.2	111.9	7.5	0.0	0.0	0.0	0.0	0.0
102.5°	70.9	52.2	14.9	11.2	33.6	3.7	0.0	0.0	0.0	0.0	0.0
105°	29.9	26.1	7.5	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
107.5°	7.5	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691932

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
120°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
130°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	0.0	0.0	0.0	0.0
132.5°	3.7	3.7	3.7	7.5	3.7	3.7	3.7	0.0	0.0	0.0	0.0
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
162.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
165°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
167.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
170°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
172.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.7	3.7	3.7	3.7	3.7	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)