

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: P691304

Luminaire Tested: **CRTK2-C015-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691304
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-C015-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: 4014 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

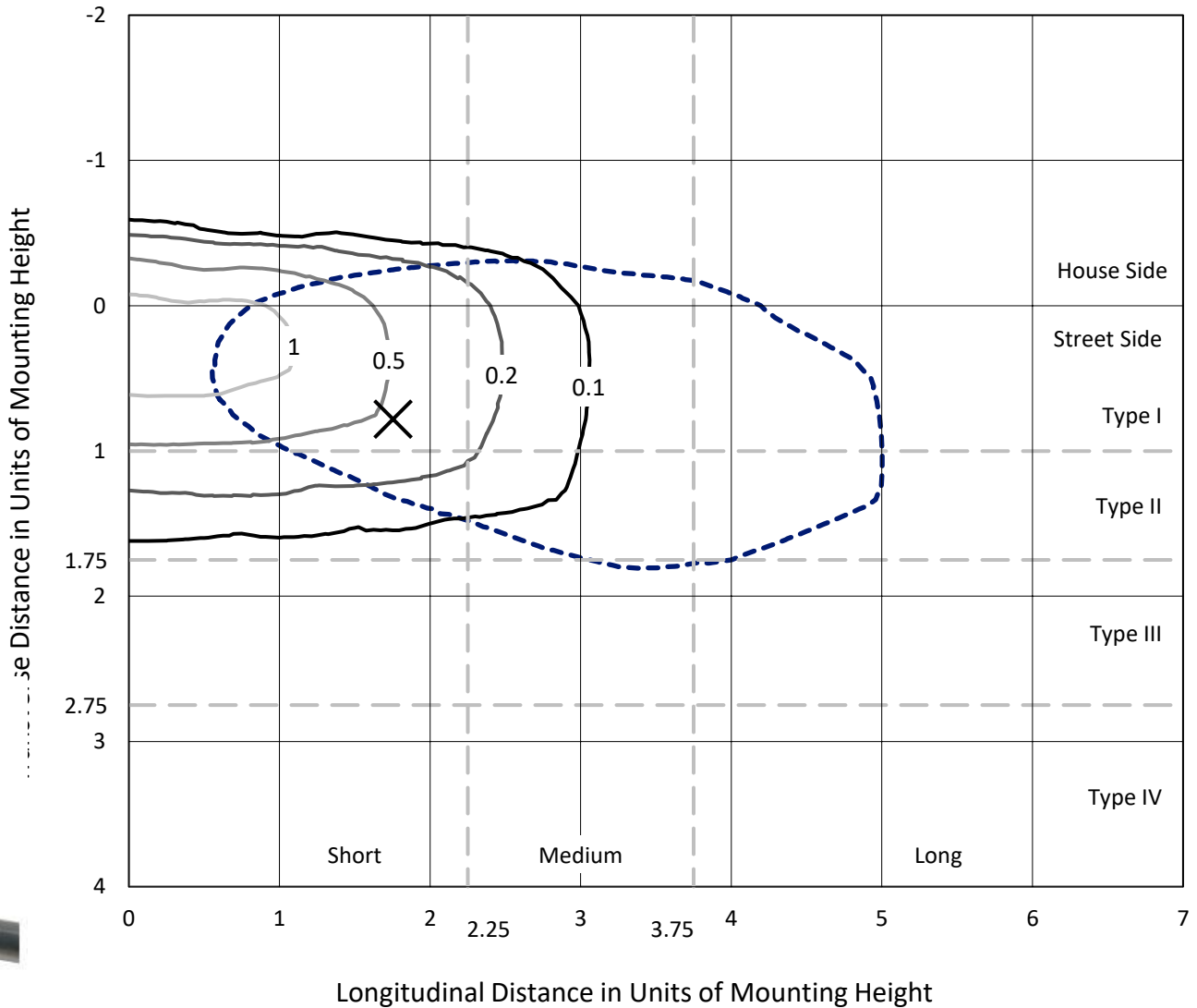
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691304
 CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

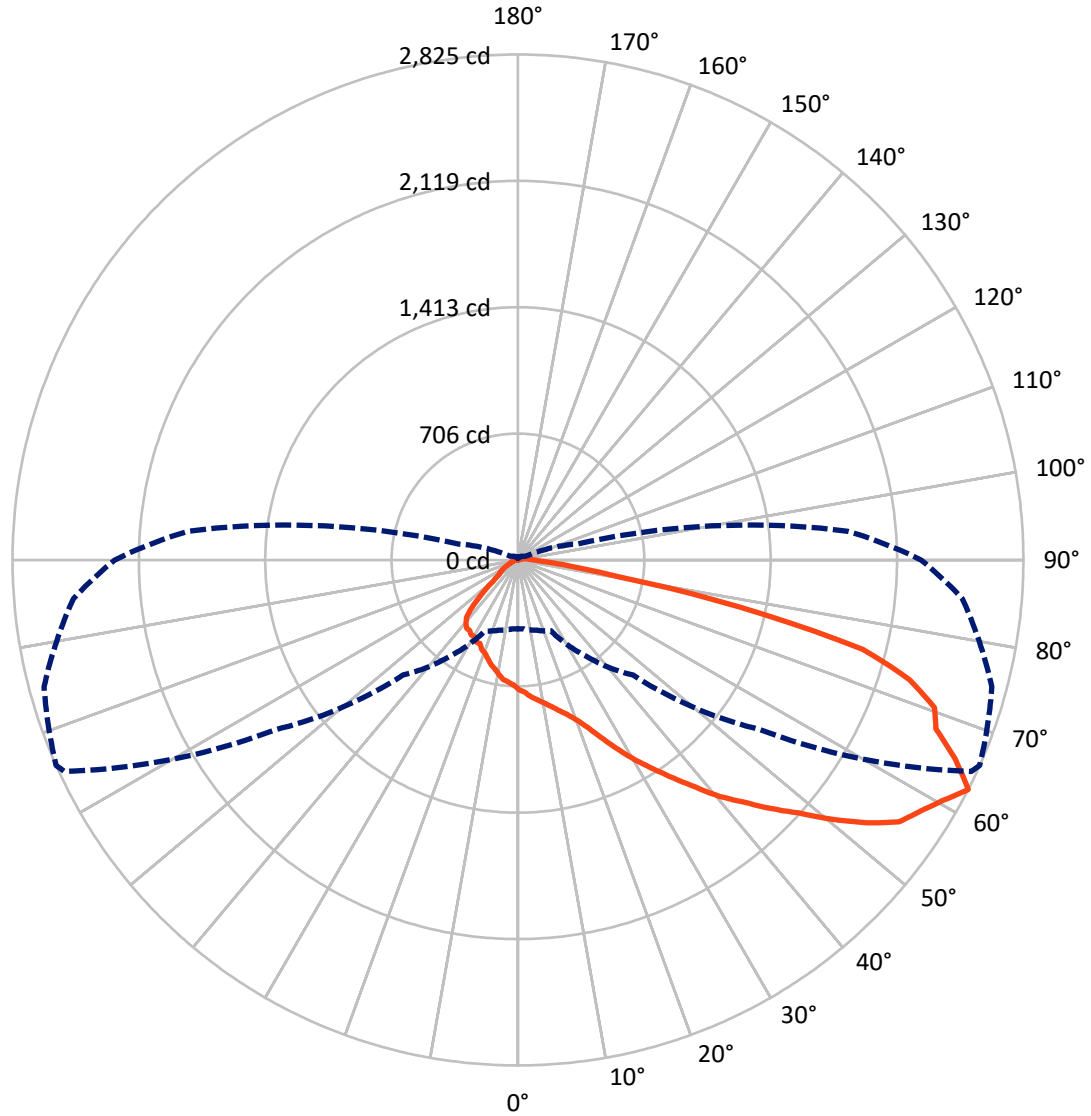
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P691304
CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P691304

CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

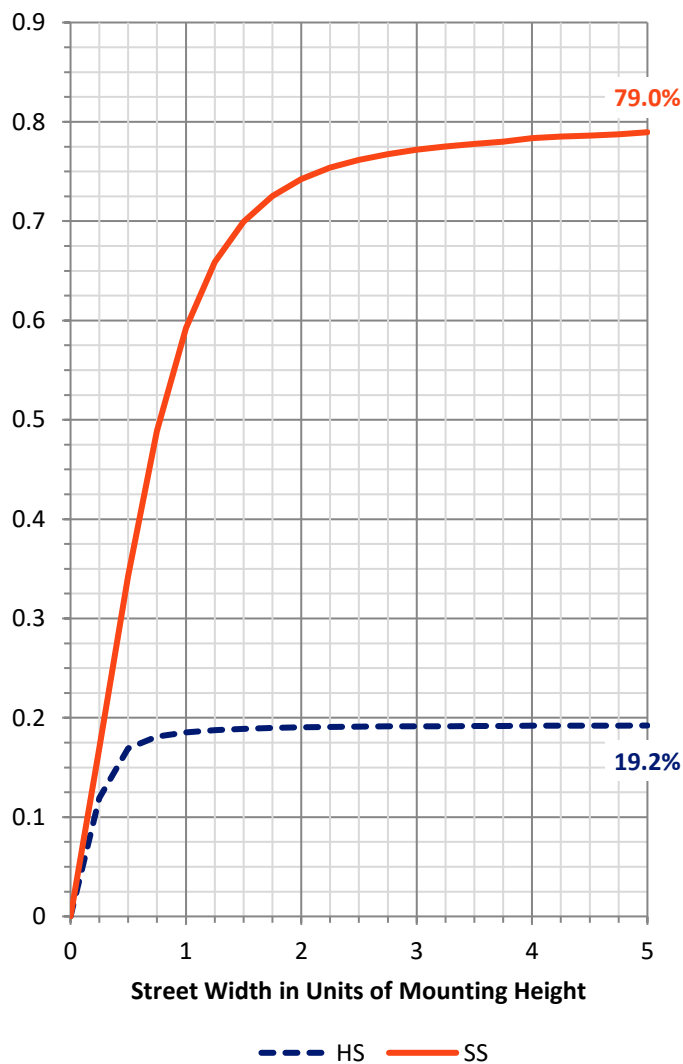
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.6	11.1	793.7
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3189.8	30.6	3220.4
	% Fixture	79.5	0.8	80.2
Total	Lumens	3972.4	41.7	4014.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.7
10°-20°	202.0	5.0
20°-30°	339.8	8.5
30°-40°	505.4	12.6
40°-50°	668.7	16.7
50°-60°	778.6	19.4
60°-70°	777.2	19.4
70°-80°	521.6	13.0
80°-90°	110.2	2.7
90°-100°	33.6	0.8
100°-110°	5.9	0.1
110°-120°	0.4	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3972.4	99.0
0°-180°	4014.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691304

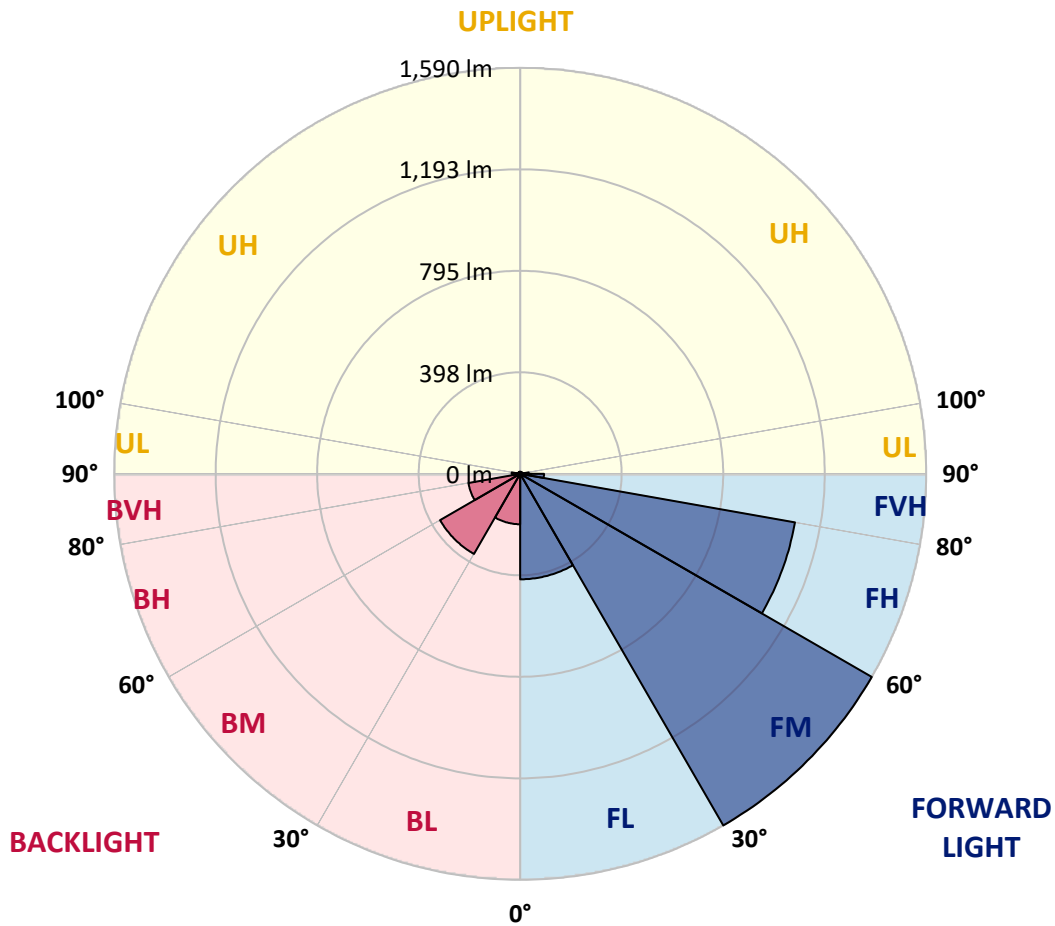
CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.2	10.3			
FM (30°-60°)	1590.2	39.6			
FH (60°-80°)	1093.0	27.2			G1/1800
FVH (80°-90°)	93.3	2.3			G1/100
BL (0°-30°)	197.5	4.9	B1/500		
BM (30°-60°)	362.4	9.0	B1/1000		
BH (60°-80°)	205.8	5.1	B1/500		G1/500
BVH (80°-90°)	17.0	0.4			G1/100
UL (90°-100°)	33.6	0.8		U2/50	
UH (100°-180°)	8.1	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P691304

CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	774.1	769.7	771.2	763.8	756.4	751.9	747.5	740.0	740.0	734.1	726.7
5°	829.0	830.5	829.0	820.1	811.2	797.9	781.6	768.2	768.2	754.9	737.1
7.5°	866.1	864.6	864.6	854.2	848.3	840.9	821.6	791.9	790.5	772.7	750.4
10°	880.9	882.4	888.3	873.5	867.6	857.2	846.8	817.2	814.2	784.5	748.9
12.5°	913.6	915.0	912.1	900.2	892.8	885.4	869.1	843.9	840.9	808.3	759.3
15°	952.1	952.1	947.7	935.8	931.3	921.0	901.7	878.0	875.0	837.9	778.6
17.5°	972.9	975.8	975.8	959.5	961.0	956.6	946.2	915.0	910.6	876.5	805.3
20°	983.3	984.7	987.7	987.7	986.2	984.7	990.7	962.5	959.5	919.5	836.4
22.5°	1012.9	1015.9	1023.3	1018.8	1023.3	1029.2	1030.7	1029.2	1024.8	981.8	888.3
25°	1026.3	1035.2	1045.5	1058.9	1072.2	1081.1	1101.9	1112.3	1109.3	1067.8	969.9
27.5°	1011.4	1020.3	1057.4	1082.6	1124.1	1149.4	1187.9	1204.2	1202.7	1168.6	1054.4
30°	1036.6	1039.6	1055.9	1091.5	1144.9	1214.6	1268.0	1293.2	1299.1	1268.0	1143.4
32.5°	999.6	1010.0	1055.9	1122.7	1202.7	1276.9	1328.8	1385.2	1392.6	1379.2	1260.6
35°	996.6	1004.0	1029.2	1101.9	1204.2	1342.2	1413.3	1490.5	1496.4	1500.8	1379.2
37.5°	955.1	965.5	1015.9	1107.8	1248.7	1385.2	1484.5	1595.8	1610.6	1628.4	1478.6
40°	909.1	916.5	959.5	1057.4	1238.3	1435.6	1552.7	1723.3	1738.1	1760.4	1610.6
42.5°	840.9	857.2	929.9	1035.2	1232.4	1450.4	1621.0	1836.0	1849.4	1880.5	1721.8
45°	780.1	787.5	843.9	959.5	1184.9	1477.1	1678.8	1968.0	1981.3	1996.2	1809.3
47.5°	732.6	741.5	794.9	898.7	1137.5	1471.2	1732.2	2098.5	2113.3	2147.4	1917.6
50°	581.4	603.6	738.6	839.4	1058.9	1459.3	1778.2	2243.8	2278.0	2291.3	2030.3
52.5°	499.8	507.2	576.9	786.0	981.8	1416.3	1818.2	2402.5	2441.1	2415.9	2181.6
55°	465.7	470.1	504.2	680.7	912.1	1328.8	1850.8	2555.3	2583.5	2503.4	2292.8
57.5°	440.5	447.9	462.7	551.7	830.5	1182.0	1852.3	2639.8	2650.2	2576.0	2346.2
60°	407.8	410.8	441.9	480.5	738.6	1029.2	1801.9	2682.8	2728.8	2660.6	2454.4
62.5°	384.1	387.1	406.4	437.5	651.1	909.1	1653.6	2797.0	2825.2	2742.1	2494.5
65°	354.4	358.9	375.2	406.4	590.3	836.4	1579.4	2767.4	2685.8	2722.9	2540.4
67.5°	323.3	326.3	344.1	367.8	502.8	766.7	1395.5	2579.0	2519.7	2626.5	2417.4
70°	290.7	293.6	310.0	326.3	413.8	680.7	1162.7	2418.8	2469.3	2475.2	2301.7
72.5°	256.6	259.5	274.4	287.7	342.6	572.5	923.9	2258.7	2289.8	2199.3	2033.2
75°	222.5	223.9	235.8	249.2	284.7	461.2	661.4	1873.1	1991.7	2101.5	1754.4
77.5°	179.4	182.4	194.3	198.7	228.4	372.2	428.6	1113.8	1269.5	1839.0	1575.0
80°	132.0	133.5	145.3	143.9	170.5	271.4	269.9	529.4	569.5	1136.0	1156.8
82.5°	87.5	90.5	100.8	97.9	115.7	164.6	169.1	284.7	304.0	440.5	507.2
85°	69.7	71.2	77.1	71.2	77.1	83.1	93.4	172.0	175.0	261.0	259.5
87.5°	56.4	57.8	63.8	59.3	60.8	63.8	74.2	109.7	112.7	164.6	170.5
90°	44.5	46.0	53.4	48.9	48.9	53.4	62.3	81.6	86.0	129.0	139.4
92.5°	29.7	29.7	34.1	32.6	32.6	38.6	54.9	60.8	65.3	120.1	126.1
95°	22.2	22.2	23.7	23.7	23.7	28.2	41.5	57.8	63.8	117.2	114.2
97.5°	14.8	14.8	16.3	16.3	16.3	17.8	23.7	47.5	53.4	94.9	93.4
100°	10.4	10.4	10.4	8.9	8.9	8.9	13.3	31.1	35.6	60.8	60.8
102.5°	7.4	5.9	5.9	5.9	4.4	4.4	5.9	14.8	16.3	32.6	31.1
105°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	5.9	5.9	13.3	13.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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: P691304
 CATALOG NUMBER: CRTK2-C015-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	1.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5
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: P691304

CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2	725.2
2.5°	722.2	717.8	707.4	698.5	691.1	683.7	671.8	667.4	664.4	668.9	668.9
5°	726.7	714.8	697.0	682.2	668.9	652.5	634.7	624.4	615.5	619.9	619.9
7.5°	734.1	717.8	695.5	670.3	636.2	608.0	585.8	572.5	565.0	569.5	572.5
10°	729.7	711.9	682.2	643.6	603.6	573.9	545.8	525.0	517.6	514.6	517.6
12.5°	734.1	713.3	662.9	616.9	578.4	530.9	496.8	474.6	465.7	465.7	465.7
15°	748.9	717.8	651.1	597.7	538.3	492.4	456.8	433.0	430.1	419.7	419.7
17.5°	769.7	722.2	646.6	568.0	502.8	455.3	413.8	390.0	382.6	384.1	384.1
20°	790.5	731.1	637.7	542.8	470.1	413.8	370.8	348.5	330.7	324.8	327.8
22.5°	826.1	756.4	630.3	529.4	433.0	379.7	332.2	295.1	265.5	256.6	252.1
25°	878.0	796.4	640.7	498.3	410.8	341.1	284.7	232.8	197.2	188.3	186.9
27.5°	972.9	858.7	652.5	498.3	375.2	307.0	226.9	172.0	143.9	135.0	137.9
30°	1061.9	943.2	686.6	471.6	360.4	246.2	169.1	129.0	103.8	93.4	96.4
32.5°	1136.0	1023.3	734.1	465.7	317.4	182.4	123.1	90.5	72.7	66.7	68.2
35°	1242.8	1091.5	771.2	444.9	261.0	133.5	86.0	63.8	56.4	53.4	53.4
37.5°	1345.1	1174.6	808.3	440.5	192.8	97.9	57.8	51.9	50.4	46.0	46.0
40°	1443.0	1259.1	824.6	415.3	136.4	63.8	48.9	47.5	46.0	41.5	41.5
42.5°	1563.1	1340.7	839.4	382.6	94.9	47.5	43.0	44.5	43.0	38.6	37.1
45°	1655.1	1395.5	843.9	299.6	60.8	44.5	40.0	41.5	40.0	35.6	35.6
47.5°	1732.2	1469.7	826.1	204.7	50.4	41.5	37.1	38.6	37.1	34.1	32.6
50°	1810.8	1537.9	809.7	109.7	47.5	40.0	35.6	32.6	34.1	31.1	29.7
52.5°	1917.6	1588.3	766.7	66.7	44.5	37.1	32.6	29.7	29.7	26.7	28.2
55°	2064.4	1712.9	686.6	62.3	43.0	35.6	31.1	26.7	26.7	23.7	23.7
57.5°	2129.6	1761.9	557.6	56.4	41.5	35.6	28.2	23.7	20.8	19.3	17.8
60°	2209.7	1834.5	439.0	51.9	38.6	34.1	25.2	20.8	16.3	14.8	14.8
62.5°	2254.2	1849.4	342.6	47.5	37.1	29.7	22.2	16.3	13.3	10.4	10.4
65°	2276.5	1839.0	228.4	43.0	34.1	28.2	19.3	13.3	8.9	7.4	7.4
67.5°	2191.9	1784.1	132.0	40.0	32.6	25.2	16.3	10.4	7.4	5.9	4.4
70°	2048.1	1623.9	83.1	35.6	31.1	22.2	14.8	8.9	5.9	4.4	3.0
72.5°	1879.0	1325.8	60.8	32.6	29.7	19.3	11.9	7.4	4.4	3.0	3.0
75°	1715.9	1155.3	51.9	28.2	25.2	16.3	10.4	5.9	4.4	3.0	1.5
77.5°	1228.0	787.5	46.0	25.2	22.2	13.3	7.4	5.9	3.0	1.5	1.5
80°	872.0	462.7	41.5	20.8	17.8	10.4	7.4	4.4	3.0	1.5	1.5
82.5°	418.2	240.3	40.0	17.8	13.3	8.9	5.9	4.4	3.0	1.5	1.5
85°	189.8	102.3	29.7	16.3	11.9	8.9	5.9	4.4	3.0	3.0	1.5
87.5°	115.7	53.4	23.7	13.3	8.9	7.4	4.4	3.0	3.0	3.0	3.0
90°	108.3	69.7	17.8	10.4	7.4	5.9	4.4	1.5	0.0	0.0	0.0
92.5°	103.8	80.1	13.3	7.4	4.4	4.4	1.5	0.0	0.0	0.0	0.0
95°	97.9	75.6	14.8	4.4	7.4	3.0	1.5	0.0	0.0	0.0	0.0
97.5°	77.1	59.3	16.3	4.4	37.1	3.0	1.5	0.0	0.0	0.0	0.0
100°	48.9	37.1	11.9	4.4	44.5	3.0	0.0	0.0	0.0	0.0	0.0
102.5°	28.2	20.8	5.9	4.4	13.3	1.5	0.0	0.0	0.0	0.0	0.0
105°	11.9	10.4	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
107.5°	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691304
 CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
120°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	1.5	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
170°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.5	1.5	1.5	1.5	1.5	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)