

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: P691035

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

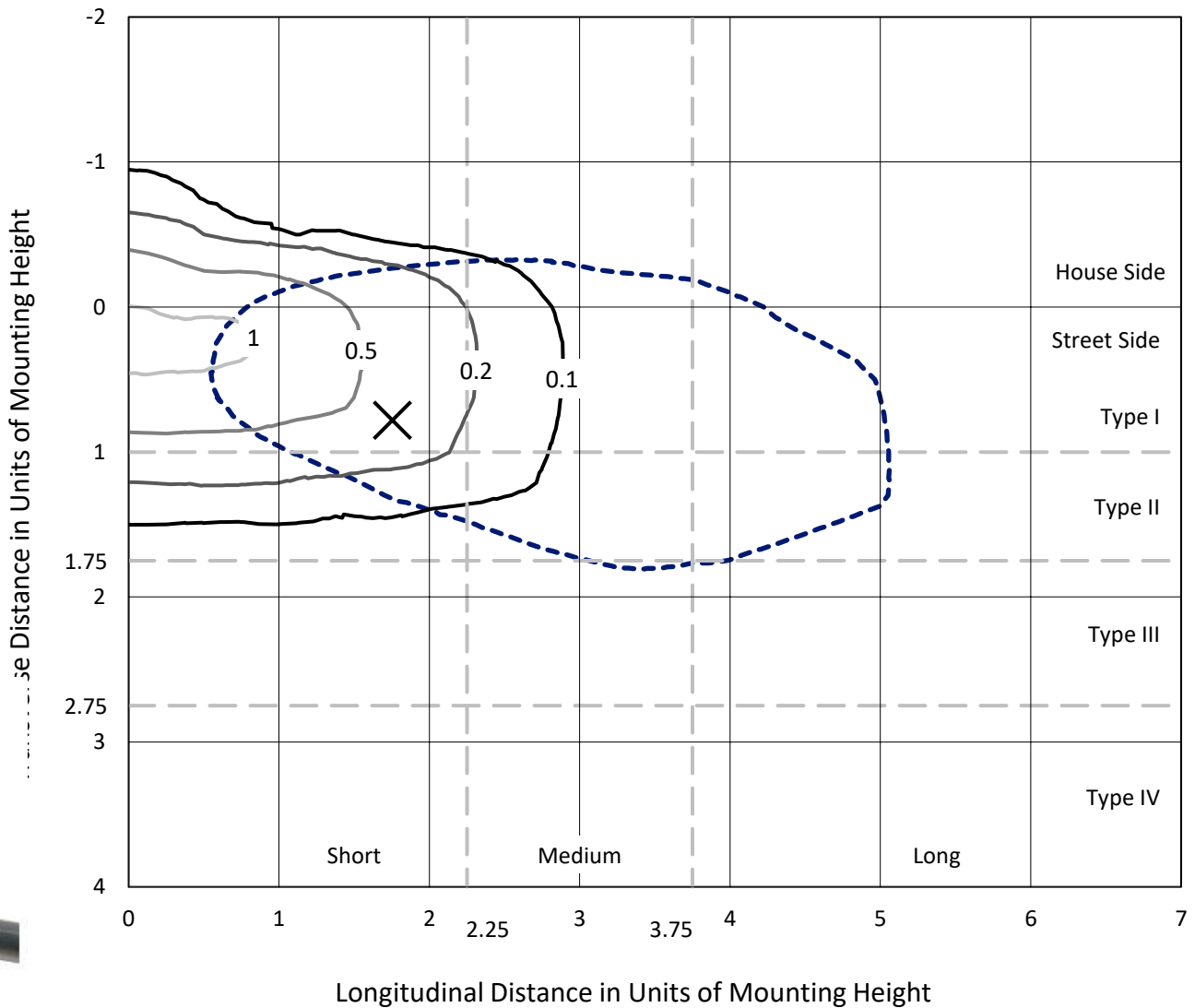
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691035
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

Iso-Footcandle Lines of Horizontal Illumination

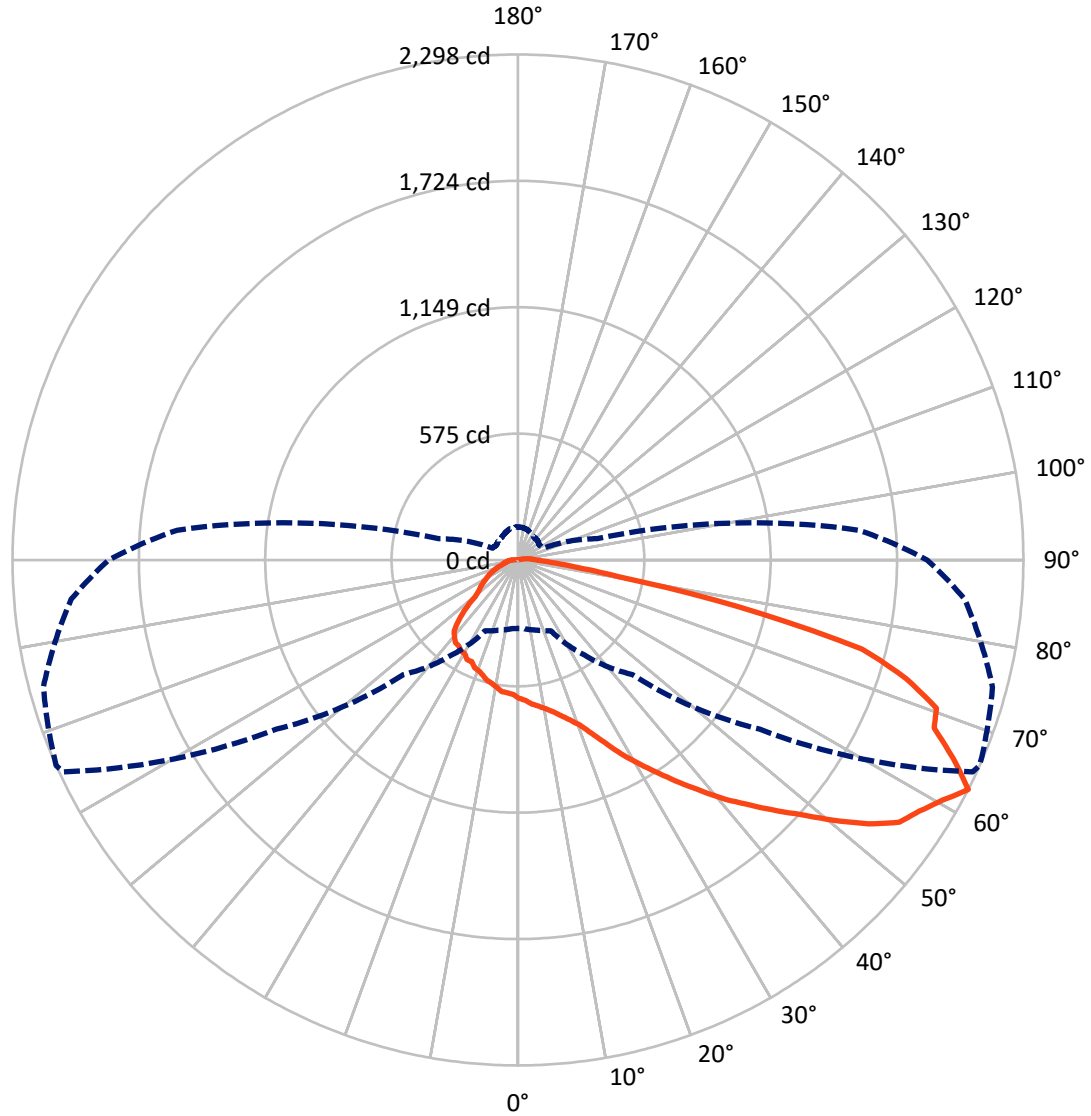
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P691035
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P691035
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

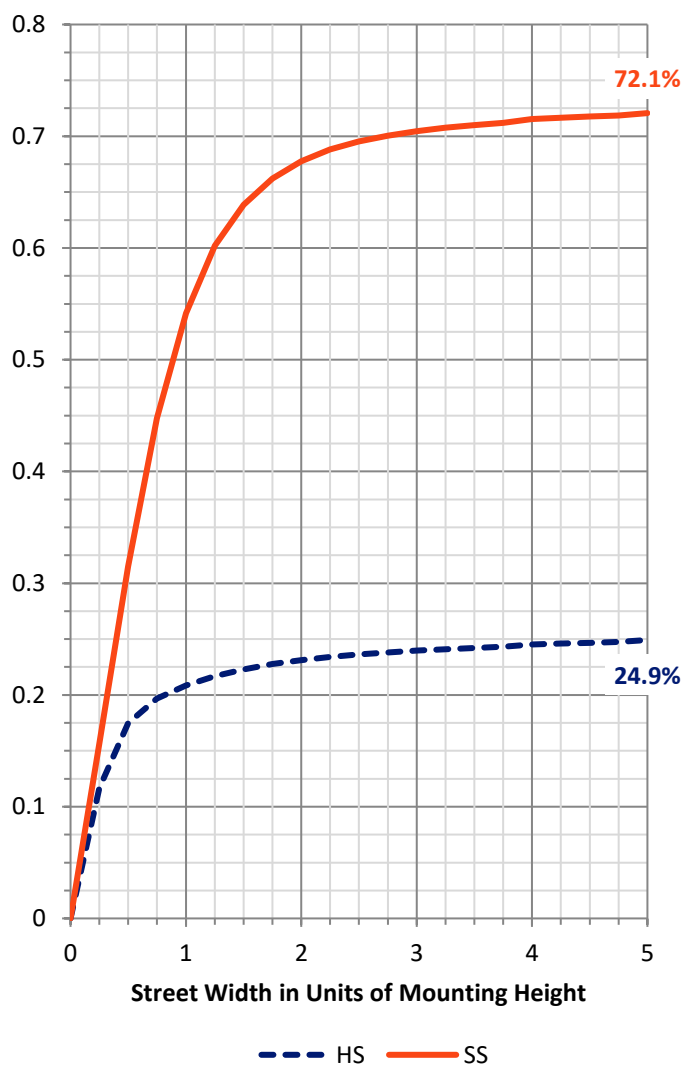
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	937.0	25.9	962.9
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2611.4	25.6	2637.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	3548.5	51.5	3600.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.7
10°-20°	181.0	5.0
20°-30°	306.3	8.5
30°-40°	448.1	12.4
40°-50°	585.7	16.3
50°-60°	681.6	18.9
60°-70°	681.9	18.9
70°-80°	470.5	13.1
80°-90°	133.0	3.7
90°-100°	43.8	1.2
100°-110°	6.0	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3548.5	98.6
0°-180°	3600.0	100.0

Coefficient of Utilization

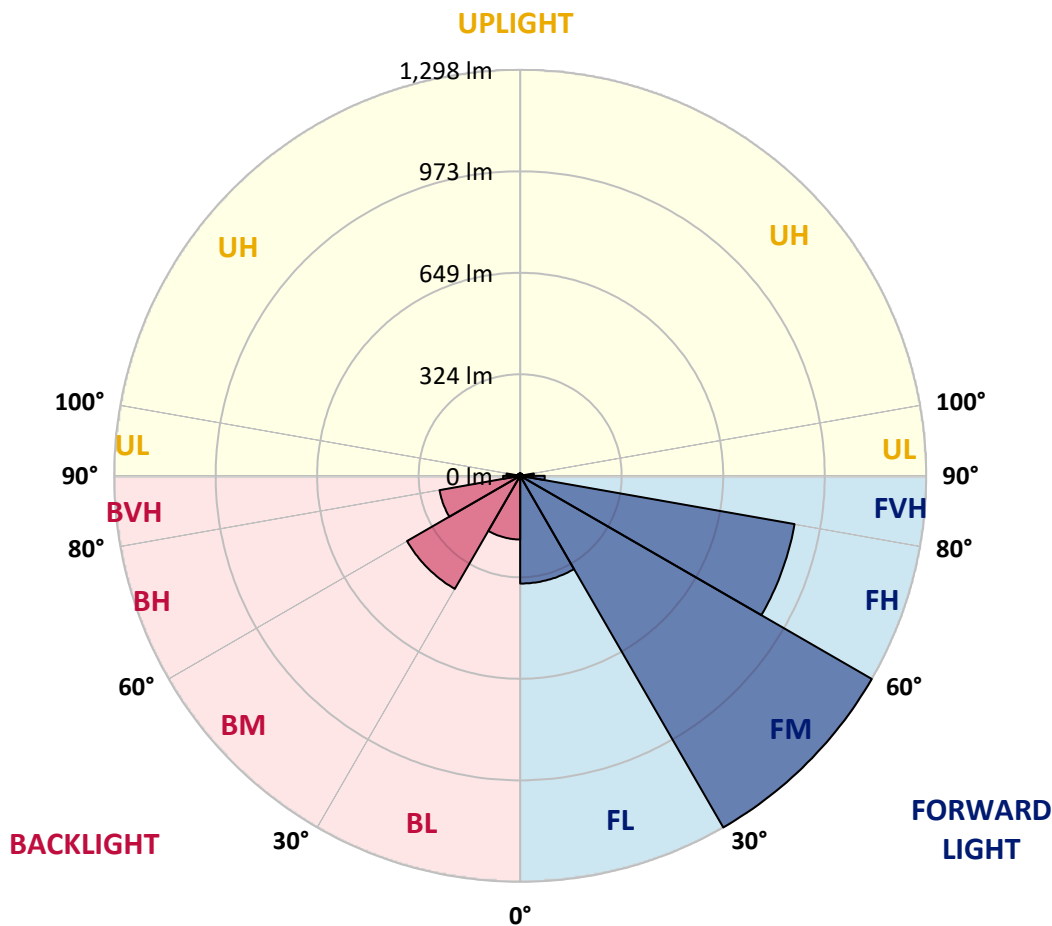


REPORT NUMBER: P691035
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.4	9.6			
FM (30°-60°)	1297.9	36.1			
FH (60°-80°)	890.6	24.7			G1/1800
FVH (80°-90°)	78.5	2.2			G1/100
BL (0°-30°)	203.4	5.6	B1/500		
BM (30°-60°)	417.5	11.6	B1/1000		
BH (60°-80°)	261.7	7.3	B1/500		G1/500
BVH (80°-90°)	54.4	1.5			G1/100
UL (90°-100°)	43.8	1.2		U2/50	
UH (100°-180°)	7.7	0.2		U1/10	

BUG Rating: B1-U2-G1
 Type II Short





REPORT NUMBER: P691035

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0
2.5°	661.3	660.1	660.1	654.1	648.1	646.9	643.3	638.6	638.6	635.0	629.0
5°	700.7	699.5	700.7	692.4	684.0	676.8	664.9	658.9	657.7	649.3	637.4
7.5°	728.2	727.0	725.8	718.7	715.1	707.9	691.2	673.2	670.8	662.5	646.9
10°	739.0	740.2	746.2	734.2	727.0	721.1	711.5	690.0	687.6	668.4	644.5
12.5°	767.7	768.9	765.3	751.0	748.6	743.8	728.2	710.3	707.9	684.0	650.5
15°	797.6	797.6	792.8	784.4	778.5	773.7	754.5	735.4	734.2	705.5	666.1
17.5°	810.7	813.1	814.3	803.6	801.2	800.0	790.4	766.5	764.1	736.6	687.6
20°	819.1	820.3	821.5	820.3	821.5	820.3	825.1	806.0	800.0	771.3	711.5
22.5°	835.9	838.2	846.6	846.6	850.2	858.6	855.0	857.4	855.0	820.3	752.2
25°	844.2	847.8	858.6	871.7	887.3	896.8	910.0	919.6	920.8	889.7	814.3
27.5°	831.1	839.4	866.9	887.3	923.1	948.3	979.4	994.9	997.3	967.4	881.3
30°	847.8	847.8	864.6	893.3	937.5	996.1	1043.9	1067.8	1070.2	1047.5	948.3
32.5°	816.7	823.9	862.2	917.2	980.5	1047.5	1094.1	1140.8	1146.8	1139.6	1043.9
35°	813.1	816.7	840.6	898.0	982.9	1095.3	1159.9	1220.9	1232.9	1235.2	1136.0
37.5°	779.7	784.4	828.7	900.4	1016.4	1128.8	1211.3	1311.8	1322.5	1339.3	1216.1
40°	737.8	745.0	780.8	861.0	1006.9	1168.3	1266.3	1407.4	1423.0	1443.3	1321.3
42.5°	682.8	695.9	756.9	843.0	1002.1	1181.4	1319.0	1503.1	1517.5	1539.0	1409.8
45°	636.2	639.7	688.8	778.5	963.8	1199.4	1368.0	1610.7	1620.3	1631.1	1481.6
47.5°	594.3	601.5	643.3	727.0	923.1	1195.8	1411.0	1712.4	1729.1	1761.4	1568.9
50°	469.9	486.7	605.1	682.8	861.0	1185.0	1446.9	1831.9	1859.5	1871.4	1668.1
52.5°	406.6	411.4	471.1	639.7	791.6	1149.2	1478.0	1962.3	1993.4	1965.9	1787.7
55°	375.5	380.3	407.8	552.5	737.8	1076.2	1501.9	2085.5	2104.6	2040.0	1876.2
57.5°	358.7	362.3	376.7	447.2	672.0	960.2	1504.3	2146.4	2153.6	2098.6	1921.6
60°	330.0	333.6	358.7	389.8	599.1	837.1	1462.4	2181.1	2218.2	2170.4	2008.9
62.5°	310.9	313.3	330.0	355.1	528.5	736.6	1340.5	2280.4	2298.3	2233.7	2038.8
65°	287.0	289.4	304.9	327.6	483.1	680.4	1287.9	2239.7	2173.9	2218.2	2078.3
67.5°	259.5	263.1	277.4	296.6	407.8	625.4	1136.0	2087.8	2041.2	2139.3	1975.4
70°	234.4	236.8	252.3	263.1	334.8	553.6	943.5	1969.5	2018.5	2017.3	1882.2
72.5°	206.9	209.3	222.4	232.0	279.8	468.7	748.6	1833.1	1847.5	1796.1	1665.7
75°	178.2	179.4	191.3	200.9	229.6	375.5	546.5	1516.3	1615.5	1717.2	1440.9
77.5°	143.5	147.1	156.6	161.4	184.2	300.1	356.3	898.0	1026.0	1510.3	1287.9
80°	107.6	107.6	114.8	117.2	136.3	223.6	224.8	432.9	465.2	960.2	956.6
82.5°	68.2	71.7	78.9	77.7	92.1	127.9	142.3	240.4	258.3	380.3	424.5
85°	55.0	56.2	61.0	57.4	61.0	69.4	80.1	151.9	157.8	232.0	230.8
87.5°	45.4	46.6	50.2	47.8	49.0	52.6	62.2	101.6	104.0	149.5	154.3
90°	34.7	35.9	40.7	39.5	38.3	43.0	51.4	77.7	81.3	118.4	126.8
92.5°	22.7	22.7	26.3	26.3	26.3	31.1	45.4	59.8	62.2	107.6	113.6
95°	16.7	16.7	17.9	19.1	17.9	22.7	33.5	53.8	58.6	100.4	98.1
97.5°	10.8	10.8	12.0	13.2	12.0	14.3	19.1	38.3	43.0	77.7	76.5
100°	7.2	7.2	7.2	7.2	7.2	7.2	10.8	25.1	28.7	49.0	47.8
102.5°	4.8	4.8	4.8	4.8	3.6	3.6	4.8	12.0	13.2	26.3	25.1
105°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	4.8	6.0	10.8	10.8
107.5°	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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: P691035
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

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	0.0
125°	0.0	0.0	0.0	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	1.2
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	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.2	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	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	1.2	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: P691035

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0
2.5°	626.6	623.0	617.0	611.0	607.5	603.9	597.9	593.1	593.1	599.1	599.1
5°	629.0	621.8	609.9	605.1	599.1	590.7	581.2	574.0	570.4	575.2	576.4
7.5°	635.0	624.2	612.2	601.5	581.2	565.6	557.2	547.7	546.5	551.3	553.6
10°	630.2	619.4	605.1	584.7	563.2	551.3	535.7	523.8	523.8	520.2	522.6
12.5°	635.0	620.6	591.9	570.4	551.3	525.0	505.8	493.9	492.7	496.3	496.3
15°	646.9	625.4	588.3	562.0	530.9	504.6	485.5	472.3	475.9	468.7	469.9
17.5°	661.3	629.0	588.3	542.9	508.2	483.1	456.8	441.2	442.4	443.6	444.8
20°	679.2	638.6	582.3	528.5	486.7	450.8	420.9	409.0	405.4	407.8	409.0
22.5°	706.7	660.1	580.0	521.4	456.8	422.1	395.8	371.9	369.5	369.5	369.5
25°	752.2	692.4	590.7	497.4	441.2	388.6	358.7	336.0	325.3	326.5	327.6
27.5°	821.5	743.8	601.5	498.6	405.4	358.7	321.7	296.6	290.6	291.8	293.0
30°	894.4	813.1	629.0	474.7	385.0	313.3	275.0	257.1	249.9	246.3	247.5
32.5°	950.7	874.1	667.2	467.6	348.0	264.3	240.4	226.0	216.4	212.9	212.9
35°	1040.3	933.9	698.3	449.6	309.7	233.2	214.0	198.5	193.7	191.3	191.3
37.5°	1116.9	999.7	730.6	442.4	263.1	209.3	185.3	175.8	175.8	173.4	172.2
40°	1199.4	1069.0	748.6	420.9	227.2	184.2	160.2	159.0	162.6	162.6	162.6
42.5°	1298.6	1140.8	767.7	395.8	199.7	155.5	142.3	151.9	160.2	162.6	162.6
45°	1372.8	1186.2	776.1	342.0	172.2	135.1	139.9	149.5	160.2	163.8	162.6
47.5°	1436.1	1252.0	764.1	276.2	148.3	131.5	137.5	145.9	159.0	163.8	163.8
50°	1499.5	1308.2	755.7	199.7	138.7	131.5	137.5	141.1	155.5	161.4	161.4
52.5°	1592.8	1352.4	722.3	167.4	131.5	132.7	139.9	139.9	153.1	160.2	163.8
55°	1712.4	1454.1	658.9	156.6	129.1	131.5	141.1	141.1	150.7	157.8	160.2
57.5°	1761.4	1490.0	550.1	147.1	126.8	131.5	137.5	139.9	151.9	156.6	155.5
60°	1826.0	1548.5	450.8	137.5	122.0	129.1	132.7	141.1	150.7	151.9	150.7
62.5°	1860.6	1555.7	373.1	127.9	118.4	125.6	126.8	136.3	145.9	149.5	150.7
65°	1879.8	1548.5	276.2	118.4	114.8	120.8	122.0	130.3	139.9	142.3	143.5
67.5°	1810.4	1499.5	191.3	108.8	111.2	114.8	117.2	125.6	132.7	139.9	142.3
70°	1686.1	1357.2	136.3	96.9	105.2	108.8	113.6	122.0	129.1	138.7	141.1
72.5°	1548.5	1093.0	100.4	82.5	96.9	101.6	110.0	116.0	126.8	138.7	142.3
75°	1419.4	959.0	80.1	70.6	82.5	93.3	104.0	112.4	127.9	169.8	175.8
77.5°	1006.9	648.1	71.7	62.2	70.6	81.3	95.7	110.0	178.2	202.1	203.3
80°	730.6	381.5	64.6	55.0	61.0	65.8	87.3	135.1	197.3	186.5	186.5
82.5°	365.9	204.5	61.0	49.0	52.6	53.8	77.7	172.2	159.0	166.2	167.4
85°	177.0	99.3	50.2	43.0	45.4	44.2	72.9	163.8	150.7	151.9	149.5
87.5°	111.2	61.0	39.5	35.9	37.1	35.9	69.4	156.6	157.8	129.1	131.5
90°	100.4	71.7	31.1	28.7	25.1	29.9	62.2	145.9	154.3	93.3	77.7
92.5°	96.9	77.7	22.7	20.3	17.9	23.9	46.6	118.4	94.5	39.5	23.9
95°	86.1	68.2	19.1	14.3	16.7	20.3	29.9	78.9	63.4	0.0	0.0
97.5°	64.6	50.2	15.5	9.6	53.8	17.9	16.7	51.4	17.9	0.0	0.0
100°	40.7	31.1	12.0	7.2	61.0	12.0	10.8	29.9	0.0	0.0	0.0
102.5°	22.7	16.7	6.0	4.8	26.3	6.0	7.2	7.2	0.0	0.0	0.0
105°	9.6	8.4	2.4	2.4	2.4	1.2	3.6	0.0	0.0	0.0	0.0
107.5°	2.4	3.6	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691035
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
120°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
165°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.2	1.2	1.2	1.2	1.2	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)