

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: P691027

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691027
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-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3558 lumens
Efficiency: N/A
Efficacy: 153.4 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 (A_{in}): 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



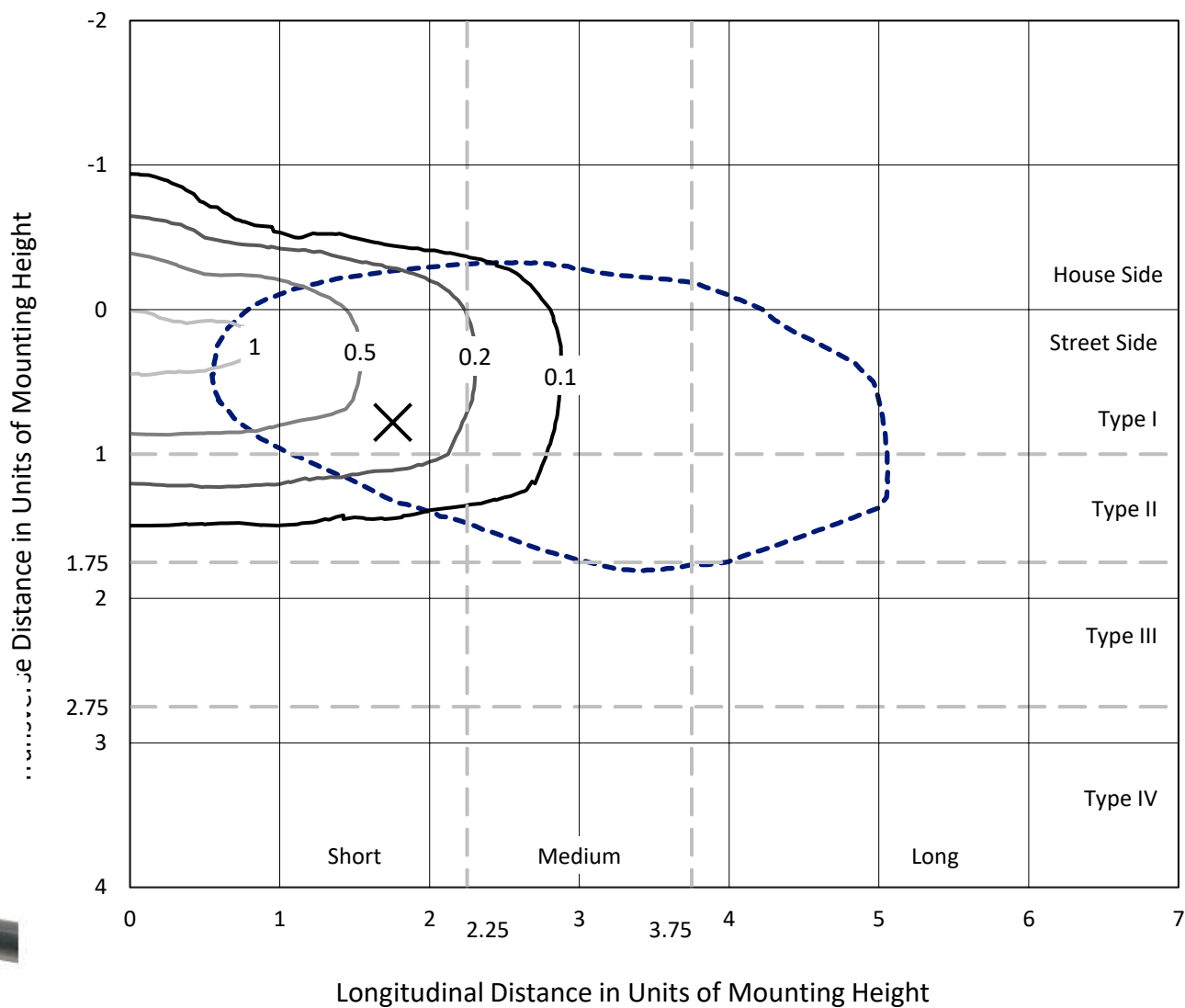
REPORT NUMBER: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

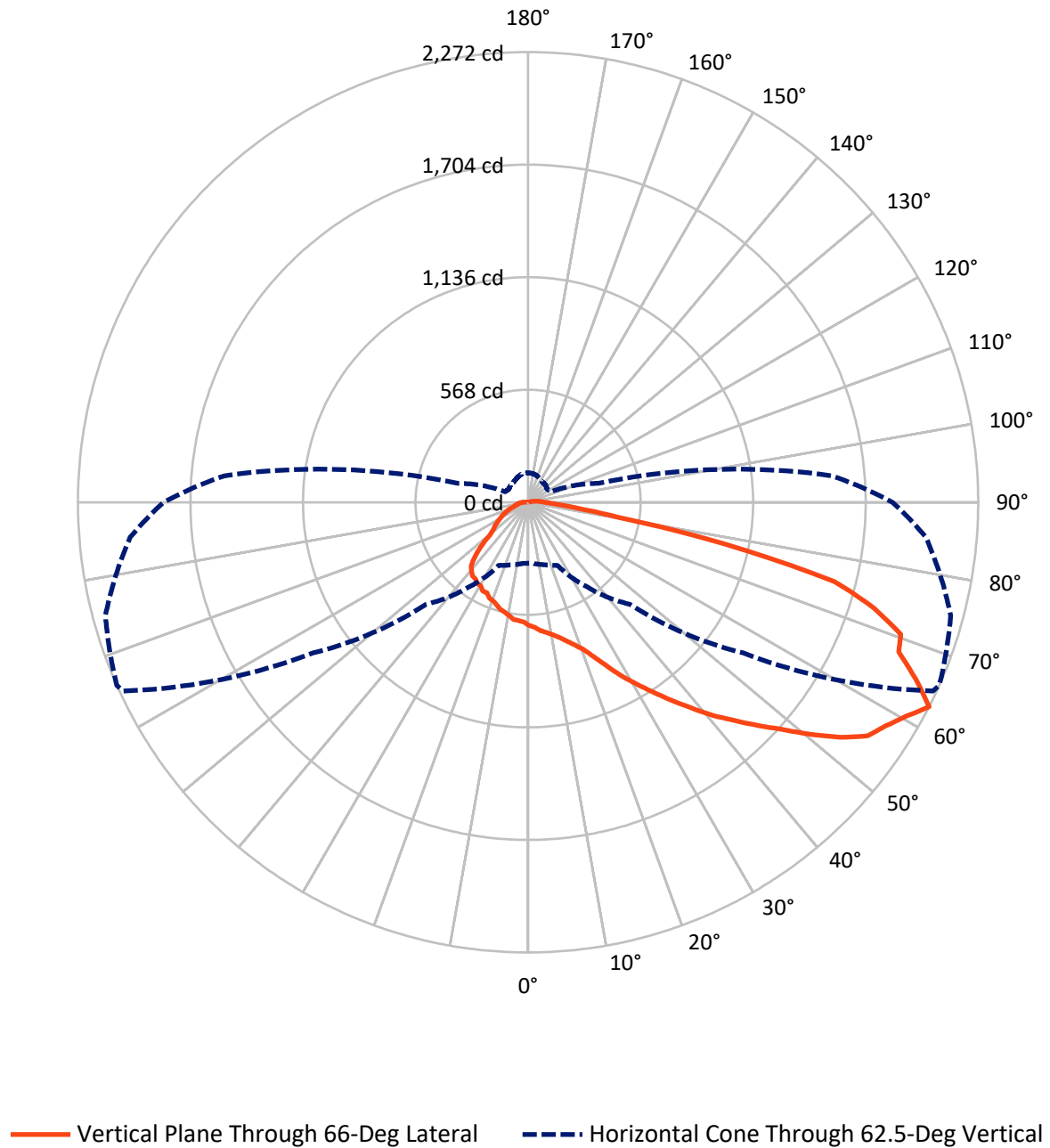
--- 1/2 Max cd



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

REPORT NUMBER: P691027
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

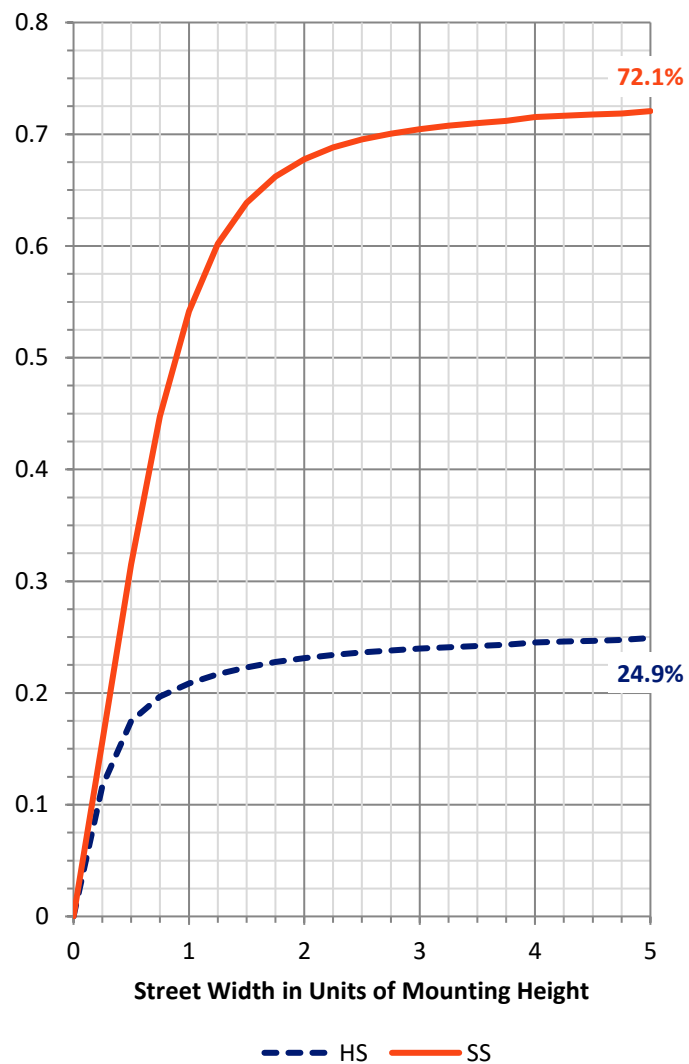
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	926.1	25.6	951.7
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2581.0	25.3	2606.3
	% Fixture	72.5	0.7	73.3
Total	Lumens	3507.1	50.9	3558.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.7
10°-20°	178.9	5.0
20°-30°	302.7	8.5
30°-40°	442.9	12.4
40°-50°	578.9	16.3
50°-60°	673.6	18.9
60°-70°	673.9	18.9
70°-80°	465.0	13.1
80°-90°	131.4	3.7
90°-100°	43.3	1.2
100°-110°	5.9	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°	3507.1	98.6
0°-180°	3558.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691027

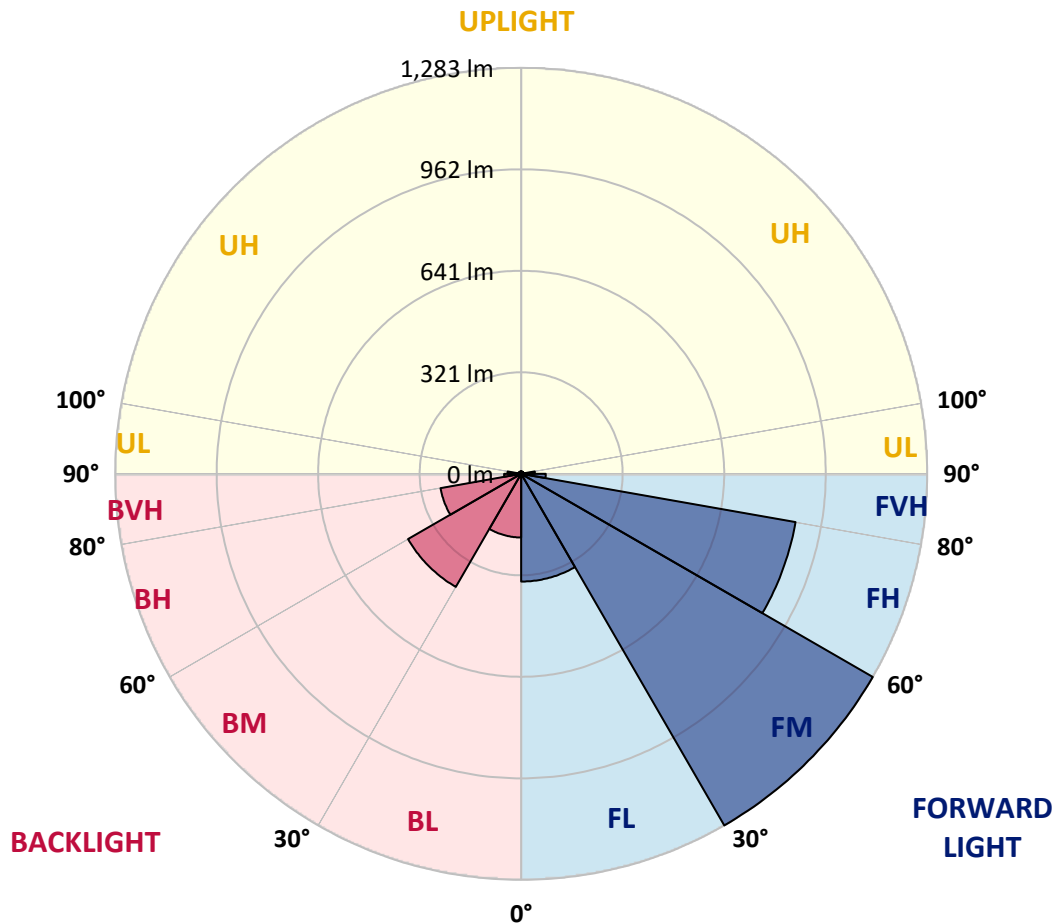
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	340.4	9.6			
FM	(30°-60°)	1282.8	36.1			
FH	(60°-80°)	880.2	24.7			G1/1800
FVH	(80°-90°)	77.6	2.2			G1/100
BL	(0°-30°)	201.0	5.6	B1/500		
BM	(30°-60°)	412.6	11.6	B1/1000		
BH	(60°-80°)	258.7	7.3	B1/500		G1/500
BVH	(80°-90°)	53.8	1.5			G1/100
UL	(90°-100°)	43.3	1.2		U2/50	
UH	(100°-180°)	7.6	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



REPORT NUMBER: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6
2.5°	653.6	652.4	652.4	646.5	640.6	639.4	635.8	631.1	631.1	627.6	621.6
5°	692.6	691.4	692.6	684.3	676.0	668.9	657.1	651.2	650.0	641.7	629.9
7.5°	719.7	718.6	717.4	710.3	706.7	699.6	683.1	665.4	663.0	654.7	639.4
10°	730.4	731.6	737.5	725.6	718.6	712.6	703.2	681.9	679.6	660.6	637.0
12.5°	758.7	759.9	756.4	742.2	739.8	735.1	719.7	702.0	699.6	676.0	642.9
15°	788.3	788.3	783.6	775.3	769.4	764.6	745.7	726.8	725.6	697.3	658.3
17.5°	801.3	803.6	804.8	794.2	791.8	790.6	781.2	757.6	755.2	728.0	679.6
20°	809.6	810.7	811.9	810.7	811.9	810.7	815.5	796.6	790.6	762.3	703.2
22.5°	826.1	828.5	836.7	836.7	840.3	848.6	845.0	847.4	845.0	810.7	743.4
25°	834.4	837.9	848.6	861.6	876.9	886.4	899.4	908.8	910.0	879.3	804.8
27.5°	821.4	829.6	856.8	876.9	912.4	937.2	967.9	983.3	985.7	956.1	871.0
30°	837.9	837.9	854.5	882.8	926.6	984.5	1031.7	1055.4	1057.7	1035.3	937.2
32.5°	807.2	814.3	852.1	906.5	969.1	1035.3	1081.4	1127.5	1133.4	1126.3	1031.7
35°	803.6	807.2	830.8	887.6	971.5	1082.6	1146.4	1206.7	1218.5	1220.8	1122.7
37.5°	770.6	775.3	819.0	889.9	1004.6	1115.7	1197.2	1296.5	1307.1	1323.7	1201.9
40°	729.2	736.3	771.7	850.9	995.1	1154.7	1251.6	1391.0	1406.4	1426.5	1305.9
42.5°	674.8	687.8	748.1	833.2	990.4	1167.7	1303.6	1485.6	1499.8	1521.0	1393.4
45°	628.7	632.3	680.7	769.4	952.6	1185.4	1352.0	1591.9	1601.4	1612.0	1464.3
47.5°	587.4	594.5	635.8	718.6	912.4	1181.8	1394.6	1692.4	1708.9	1740.8	1550.6
50°	464.5	481.0	598.0	674.8	850.9	1171.2	1430.0	1810.6	1837.8	1849.6	1648.7
52.5°	401.8	406.6	465.6	632.3	782.4	1135.7	1460.8	1939.4	1970.1	1942.9	1766.8
55°	371.1	375.8	403.0	546.0	729.2	1063.7	1484.4	2061.1	2080.0	2016.2	1854.3
57.5°	354.6	358.1	372.3	442.0	664.2	949.0	1486.8	2121.4	2128.5	2074.1	1899.2
60°	326.2	329.7	354.6	385.3	592.1	827.3	1445.4	2155.7	2192.3	2145.0	1985.5
62.5°	307.3	309.6	326.2	351.0	522.4	728.0	1324.8	2253.8	2271.5	2207.7	2015.0
65°	283.6	286.0	301.4	323.8	477.5	672.5	1272.8	2213.6	2148.6	2192.3	2054.0
67.5°	256.5	260.0	274.2	293.1	403.0	618.1	1122.7	2063.5	2017.4	2114.3	1952.4
70°	231.6	234.0	249.4	260.0	330.9	547.2	932.5	1946.5	1994.9	1993.8	1860.2
72.5°	204.5	206.8	219.8	229.3	276.5	463.3	739.8	1811.8	1825.9	1775.1	1646.3
75°	176.1	177.3	189.1	198.5	226.9	371.1	540.1	1498.6	1596.7	1697.1	1424.1
77.5°	141.8	145.4	154.8	159.5	182.0	296.6	352.2	887.6	1014.0	1492.7	1272.8
80°	106.4	106.4	113.5	115.8	134.7	221.0	222.2	427.8	459.7	949.0	945.5
82.5°	67.4	70.9	78.0	76.8	91.0	126.5	140.6	237.5	255.3	375.8	419.6
85°	54.4	55.5	60.3	56.7	60.3	68.5	79.2	150.1	156.0	229.3	228.1
87.5°	44.9	46.1	49.6	47.3	48.5	52.0	61.5	100.5	102.8	147.7	152.5
90°	34.3	35.5	40.2	39.0	37.8	42.5	50.8	76.8	80.4	117.0	125.3
92.5°	22.5	22.5	26.0	26.0	26.0	30.7	44.9	59.1	61.5	106.4	112.3
95°	16.5	16.5	17.7	18.9	17.7	22.5	33.1	53.2	57.9	99.3	96.9
97.5°	10.6	10.6	11.8	13.0	11.8	14.2	18.9	37.8	42.5	76.8	75.6
100°	7.1	7.1	7.1	7.1	7.1	7.1	10.6	24.8	28.4	48.5	47.3
102.5°	4.7	4.7	4.7	4.7	3.5	3.5	4.7	11.8	13.0	26.0	24.8
105°	1.2	1.2	2.4	2.4	2.4	1.2	1.2	4.7	5.9	10.6	10.6
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: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

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: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6
2.5°	619.3	615.7	609.8	603.9	600.4	596.8	590.9	586.2	586.2	592.1	592.1
5°	621.6	614.6	602.7	598.0	592.1	583.8	574.4	567.3	563.7	568.5	569.6
7.5°	627.6	616.9	605.1	594.5	574.4	559.0	550.7	541.3	540.1	544.8	547.2
10°	622.8	612.2	598.0	577.9	556.6	544.8	529.5	517.6	517.6	514.1	516.5
12.5°	627.6	613.4	585.0	563.7	544.8	518.8	499.9	488.1	486.9	490.5	490.5
15°	639.4	618.1	581.5	555.5	524.7	498.7	479.8	466.8	470.4	463.3	464.5
17.5°	653.6	621.6	581.5	536.6	502.3	477.5	451.5	436.1	437.3	438.5	439.6
20°	671.3	631.1	575.6	522.4	481.0	445.6	416.0	404.2	400.6	403.0	404.2
22.5°	698.5	652.4	573.2	515.3	451.5	417.2	391.2	367.6	365.2	365.2	365.2
25°	743.4	684.3	583.8	491.6	436.1	384.1	354.6	332.1	321.5	322.6	323.8
27.5°	811.9	735.1	594.5	492.8	400.6	354.6	317.9	293.1	287.2	288.4	289.6
30°	884.0	803.6	621.6	469.2	380.6	309.6	271.8	254.1	247.0	243.5	244.6
32.5°	939.6	863.9	659.5	462.1	343.9	261.2	237.5	223.4	213.9	210.4	210.4
35°	1028.2	923.0	690.2	444.4	306.1	230.5	211.5	196.2	191.5	189.1	189.1
37.5°	1103.8	988.0	722.1	437.3	260.0	206.8	183.2	173.7	173.7	171.4	170.2
40°	1185.4	1056.6	739.8	416.0	224.5	182.0	158.4	157.2	160.7	160.7	160.7
42.5°	1283.5	1127.5	758.7	391.2	197.4	153.6	140.6	150.1	158.4	160.7	160.7
45°	1356.7	1172.4	767.0	338.0	170.2	133.5	138.3	147.7	158.4	161.9	160.7
47.5°	1419.4	1237.4	755.2	273.0	146.5	130.0	135.9	144.2	157.2	161.9	161.9
50°	1482.0	1292.9	746.9	197.4	137.1	130.0	135.9	139.5	153.6	159.5	159.5
52.5°	1574.2	1336.7	713.8	165.5	130.0	131.2	138.3	138.3	151.3	158.4	161.9
55°	1692.4	1437.1	651.2	154.8	127.6	130.0	139.5	139.5	148.9	156.0	158.4
57.5°	1740.8	1472.6	543.6	145.4	125.3	130.0	135.9	138.3	150.1	154.8	153.6
60°	1804.7	1530.5	445.6	135.9	120.5	127.6	131.2	139.5	148.9	150.1	148.9
62.5°	1838.9	1537.6	368.7	126.5	117.0	124.1	125.3	134.7	144.2	147.7	148.9
65°	1857.8	1530.5	273.0	117.0	113.5	119.4	120.5	128.8	138.3	140.6	141.8
67.5°	1789.3	1482.0	189.1	107.5	109.9	113.5	115.8	124.1	131.2	138.3	140.6
70°	1666.4	1341.4	134.7	95.7	104.0	107.5	112.3	120.5	127.6	137.1	139.5
72.5°	1530.5	1080.2	99.3	81.5	95.7	100.5	108.7	114.6	125.3	137.1	140.6
75°	1402.8	947.8	79.2	69.7	81.5	92.2	102.8	111.1	126.5	167.8	173.7
77.5°	995.1	640.6	70.9	61.5	69.7	80.4	94.5	108.7	176.1	199.7	200.9
80°	722.1	377.0	63.8	54.4	60.3	65.0	86.3	133.5	195.0	184.4	184.4
82.5°	361.6	202.1	60.3	48.5	52.0	53.2	76.8	170.2	157.2	164.3	165.5
85°	174.9	98.1	49.6	42.5	44.9	43.7	72.1	161.9	148.9	150.1	147.7
87.5°	109.9	60.3	39.0	35.5	36.6	35.5	68.5	154.8	156.0	127.6	130.0
90°	99.3	70.9	30.7	28.4	24.8	29.5	61.5	144.2	152.5	92.2	76.8
92.5°	95.7	76.8	22.5	20.1	17.7	23.6	46.1	117.0	93.4	39.0	23.6
95°	85.1	67.4	18.9	14.2	16.5	20.1	29.5	78.0	62.6	0.0	0.0
97.5°	63.8	49.6	15.4	9.5	53.2	17.7	16.5	50.8	17.7	0.0	0.0
100°	40.2	30.7	11.8	7.1	60.3	11.8	10.6	29.5	0.0	0.0	0.0
102.5°	22.5	16.5	5.9	4.7	26.0	5.9	7.1	7.1	0.0	0.0	0.0
105°	9.5	8.3	2.4	2.4	2.4	1.2	3.5	0.0	0.0	0.0	0.0
107.5°	2.4	3.5	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: P691027

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7040

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)