

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: P691330

Luminaire Tested: **CRTK2-C015-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3690 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - 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



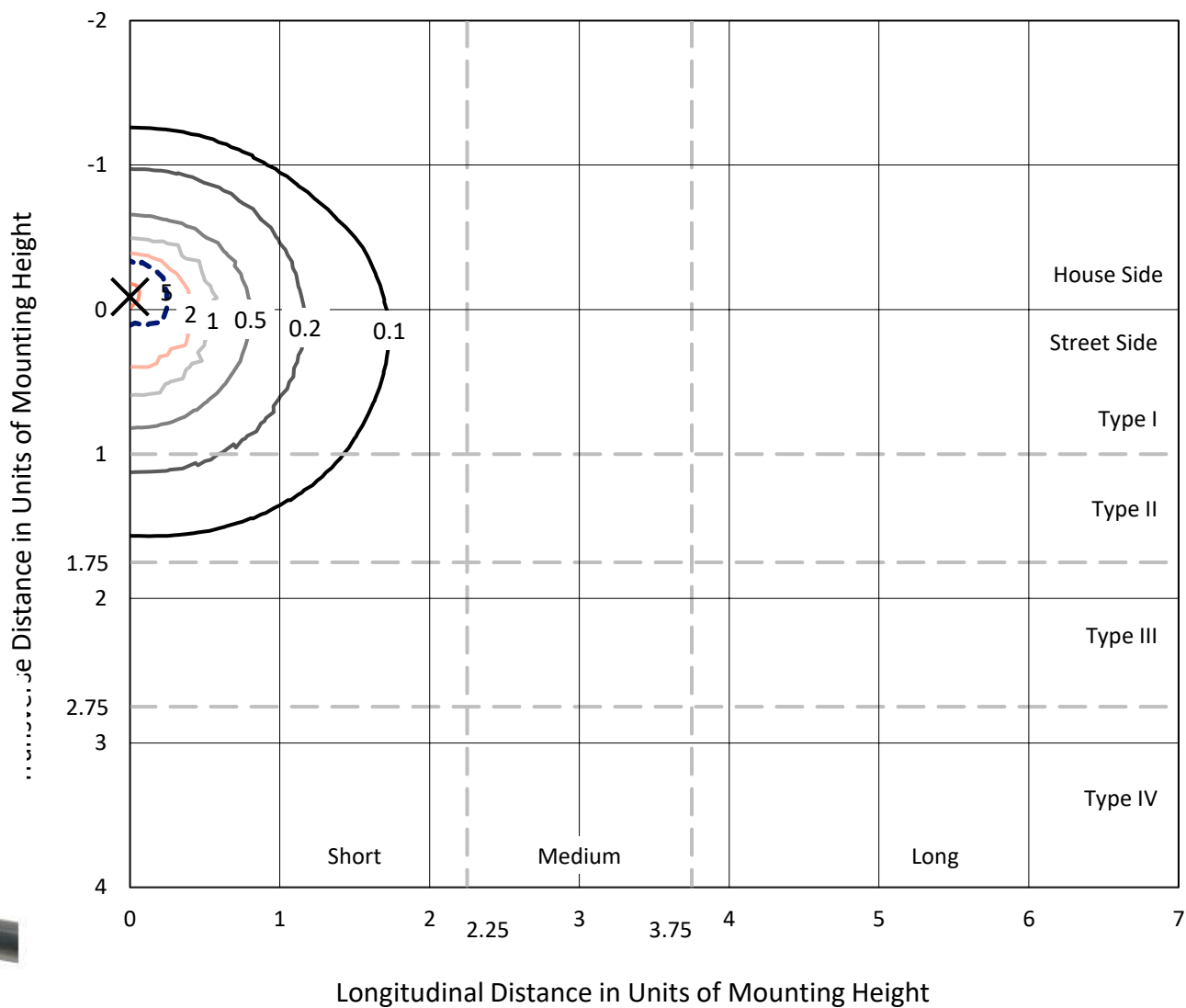
REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



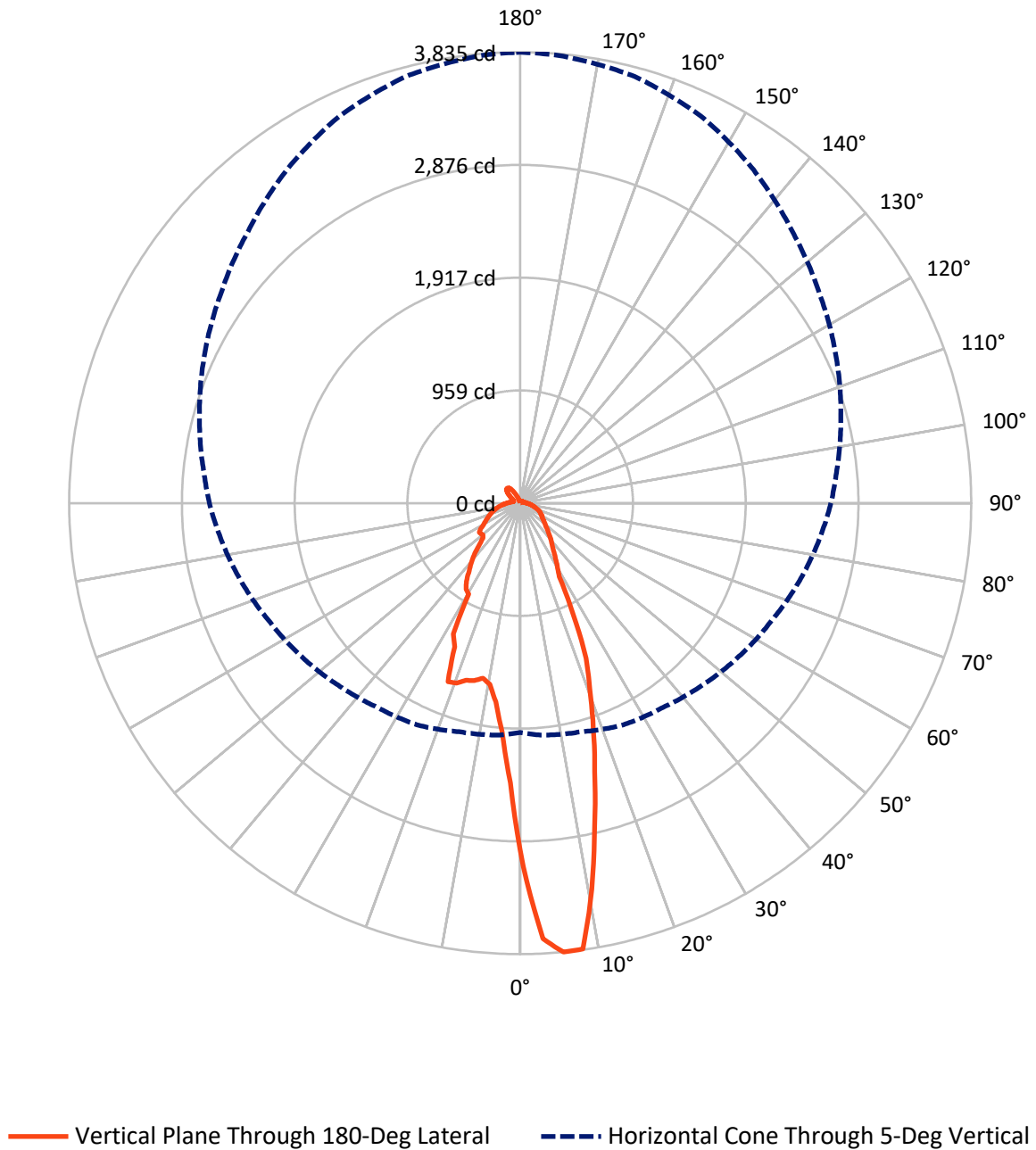
Based on 25 foot mounting height. Maximum calculated value = 6 fc

Type I - Short - N/A

REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

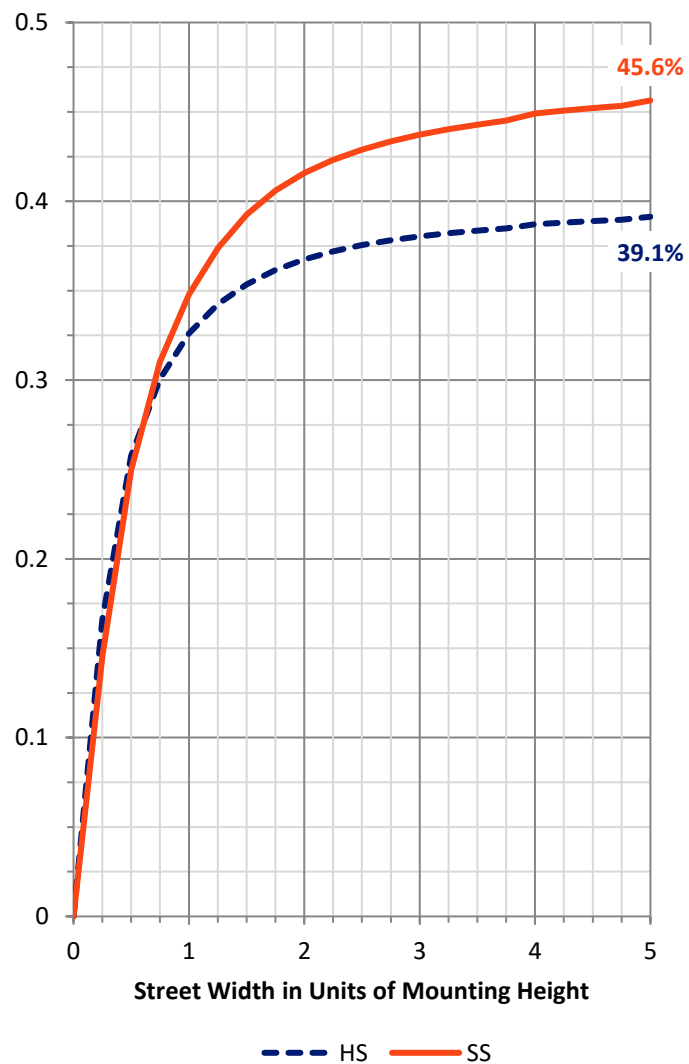
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1483.1	159.0	1642.1
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1730.7	317.2	2047.9
	% Fixture	46.9	8.6	55.5
Total	Lumens	3213.8	476.2	3690.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.0	6.7
10°-20°	532.0	14.4
20°-30°	585.7	15.9
30°-40°	430.4	11.7
40°-50°	360.6	9.8
50°-60°	361.8	9.8
60°-70°	309.9	8.4
70°-80°	230.9	6.3
80°-90°	154.5	4.2
90°-100°	91.8	2.5
100°-110°	53.3	1.4
110°-120°	49.6	1.3
120°-130°	71.9	1.9
130°-140°	96.7	2.6
140°-150°	78.3	2.1
150°-160°	30.9	0.8
160°-170°	3.8	0.1
170°-180°	0.0	0.0
0°-90°	3213.8	87.1
0°-180°	3690.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691330

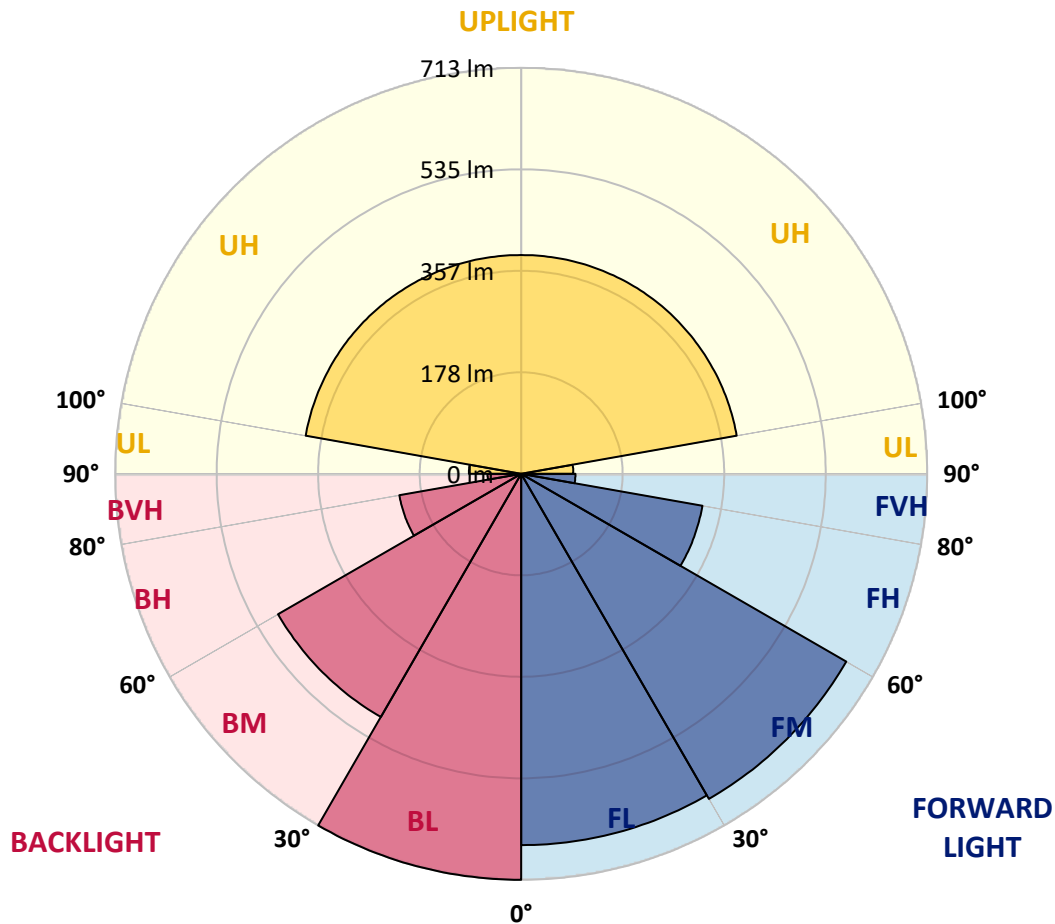
CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.4	17.7			
FM	(30°-60°)	659.6	17.9			
FH	(60°-80°)	323.4	8.8			G0/660
FVH	(80°-90°)	95.4	2.6			G1/100
BL	(0°-30°)	713.3	19.3	B2/1000		
BM	(30°-60°)	493.3	13.4	B1/1000		
BH	(60°-80°)	217.4	5.9	B1/500		G1/500
BVH	(80°-90°)	59.1	1.6			G1/100
UL	(90°-100°)	91.8	2.5		U3/500	
UH	(100°-180°)	384.4	10.4		U3/500	

BUG Rating: B2-U3-G1

Type I Short



REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9
2.5°	2379.7	2414.8	2432.4	2485.2	2502.8	2536.5	2587.7	2639.0	2725.5	2790.0	2839.8
5°	1950.3	1979.6	2011.9	2079.3	2118.8	2189.2	2271.2	2359.2	2470.5	2583.4	2642.0
7.5°	1699.8	1707.1	1754.0	1836.0	1907.8	1982.6	2072.0	2148.2	2224.3	2316.7	2375.3
10°	1562.0	1572.3	1603.1	1666.1	1727.6	1789.1	1859.5	1918.1	1995.8	2073.4	2108.6
12.5°	1521.0	1525.4	1551.8	1588.4	1628.0	1667.5	1721.7	1774.5	1843.4	1910.8	1934.2
15°	1557.6	1557.6	1562.0	1576.7	1597.2	1628.0	1669.0	1714.4	1777.4	1827.2	1852.2
17.5°	1575.2	1576.7	1588.4	1591.3	1610.4	1623.6	1660.2	1695.4	1755.4	1796.5	1809.7
20°	1622.1	1622.1	1623.6	1630.9	1633.8	1641.2	1657.3	1676.3	1726.1	1748.1	1745.2
22.5°	1636.8	1630.9	1654.3	1696.8	1695.4	1696.8	1682.2	1686.6	1714.4	1705.6	1685.1
25°	1343.7	1336.4	1362.7	1389.1	1427.2	1475.6	1595.7	1689.5	1724.7	1696.8	1651.4
27.5°	1249.9	1217.7	1210.4	1147.3	1090.2	996.4	987.6	929.0	923.1	959.8	993.5
30°	888.0	889.4	888.0	882.1	877.7	882.1	886.5	876.3	879.2	902.6	892.4
32.5°	866.0	866.0	860.1	857.2	844.0	839.6	832.3	813.2	816.2	833.8	829.4
35°	807.4	804.5	805.9	798.6	775.2	756.1	753.2	737.1	737.1	747.3	742.9
37.5°	719.5	715.1	732.7	731.2	712.1	704.8	697.5	687.2	687.2	696.0	687.2
40°	650.6	647.7	666.7	672.6	660.9	663.8	665.3	656.5	665.3	666.7	655.0
42.5°	577.3	575.9	592.0	590.5	580.3	578.8	577.3	571.5	586.1	597.8	589.1
45°	490.9	486.5	498.2	502.6	499.7	495.3	493.8	493.8	502.6	508.5	499.7
47.5°	433.7	435.2	444.0	454.2	457.2	460.1	458.6	455.7	461.6	463.0	455.7
50°	414.7	416.1	429.3	441.1	449.9	455.7	455.7	451.3	455.7	451.3	441.1
52.5°	423.5	423.5	441.1	458.6	473.3	483.6	485.0	479.2	479.2	467.4	451.3
55°	426.4	429.3	452.8	482.1	508.5	536.3	549.5	545.1	549.5	524.6	498.2
57.5°	398.6	405.9	429.3	464.5	499.7	543.6	571.5	574.4	572.9	551.0	518.7
60°	361.9	367.8	383.9	414.7	448.4	483.6	511.4	517.3	523.1	512.9	483.6
62.5°	337.0	340.0	353.1	375.1	398.6	417.6	427.9	426.4	432.3	429.3	407.4
65°	315.0	316.5	331.2	348.7	363.4	382.4	385.4	385.4	389.8	383.9	366.3
67.5°	291.6	291.6	303.3	319.4	337.0	353.1	357.5	359.0	364.9	359.0	345.8
70°	271.1	271.1	281.3	294.5	307.7	323.8	328.2	329.7	337.0	329.7	316.5
72.5°	252.0	252.0	260.8	272.5	284.3	297.5	301.9	303.3	309.2	301.9	291.6
75°	231.5	233.0	240.3	250.6	260.8	272.5	278.4	278.4	282.8	274.0	265.2
77.5°	211.0	212.5	219.8	228.6	237.4	249.1	252.0	253.5	257.9	249.1	240.3
80°	190.5	193.4	199.3	206.6	215.4	224.2	230.1	230.1	233.0	224.2	218.3
82.5°	171.4	174.4	178.8	184.6	193.4	202.2	208.1	208.1	209.5	202.2	194.9
85°	152.4	155.3	159.7	164.1	171.4	180.2	186.1	186.1	187.6	180.2	174.4
87.5°	134.8	137.7	140.7	145.1	150.9	159.7	165.6	165.6	165.6	159.7	153.9
90°	117.2	118.7	121.6	126.0	131.9	139.2	143.6	145.1	145.1	137.7	134.8
92.5°	104.0	104.0	107.0	109.9	115.8	121.6	126.0	127.5	127.5	123.1	118.7
95°	89.4	90.8	92.3	95.2	99.6	104.0	109.9	109.9	109.9	107.0	104.0
97.5°	79.1	77.7	79.1	80.6	85.0	87.9	92.3	93.8	93.8	90.8	89.4
100°	67.4	68.9	68.9	70.3	71.8	73.3	76.2	77.7	77.7	76.2	76.2
102.5°	63.0	61.5	61.5	61.5	61.5	61.5	63.0	63.0	64.5	63.0	61.5
105°	58.6	58.6	58.6	58.6	57.1	57.1	57.1	57.1	55.7	54.2	54.2
107.5°	57.1	57.1	57.1	57.1	55.7	55.7	54.2	54.2	52.8	51.3	49.8
110°	57.1	57.1	57.1	57.1	55.7	54.2	54.2	52.8	51.3	49.8	48.4

REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	60.1	60.1	60.1	60.1	57.1	55.7	54.2	54.2	51.3	49.8	48.4
115°	65.9	65.9	64.5	64.5	63.0	60.1	58.6	57.1	55.7	52.8	51.3
117.5°	71.8	71.8	71.8	71.8	70.3	67.4	64.5	63.0	61.5	57.1	55.7
120°	82.1	82.1	82.1	83.5	80.6	77.7	74.7	71.8	70.3	65.9	63.0
122.5°	95.2	93.8	96.7	98.2	96.7	92.3	87.9	85.0	82.1	76.2	73.3
125°	108.4	108.4	111.4	115.8	115.8	111.4	105.5	101.1	98.2	89.4	85.0
127.5°	124.6	124.6	128.9	136.3	137.7	133.3	127.5	121.6	117.2	105.5	101.1
130°	139.2	139.2	148.0	156.8	161.2	156.8	150.9	143.6	137.7	124.6	117.2
132.5°	150.9	152.4	162.6	174.4	180.2	178.8	171.4	165.6	159.7	143.6	134.8
135°	162.6	164.1	175.8	190.5	197.8	197.8	192.0	184.6	177.3	159.7	149.5
137.5°	168.5	170.0	184.6	199.3	208.1	211.0	208.1	200.7	193.4	174.4	161.2
140°	168.5	171.4	186.1	200.7	209.5	213.9	213.9	206.6	199.3	181.7	168.5
142.5°	164.1	167.0	180.2	194.9	203.7	209.5	211.0	205.1	197.8	180.2	167.0
145°	155.3	156.8	170.0	183.2	192.0	199.3	202.2	197.8	189.0	174.4	161.2
147.5°	140.7	140.7	152.4	162.6	174.4	181.7	186.1	183.2	175.8	162.6	150.9
150°	120.2	120.2	128.9	139.2	149.5	158.3	162.6	162.6	155.3	145.1	133.3
152.5°	95.2	96.7	102.6	111.4	121.6	128.9	134.8	134.8	130.4	121.6	111.4
155°	73.3	73.3	77.7	83.5	92.3	99.6	104.0	104.0	101.1	93.8	87.9
157.5°	52.8	52.8	55.7	61.5	67.4	73.3	77.7	77.7	74.7	70.3	65.9
160°	35.2	35.2	36.6	41.0	45.4	49.8	52.8	54.2	52.8	49.8	45.4
162.5°	19.0	19.0	20.5	23.4	26.4	30.8	32.2	33.7	33.7	30.8	29.3
165°	5.9	5.9	5.9	8.8	10.3	13.2	14.7	16.1	16.1	16.1	14.7
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	4.4	4.4	4.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9	3088.9
2.5°	2886.7	2995.1	3115.3	3238.3	3364.4	3483.1	3582.7	3661.8	3704.3	3714.6	3708.7
5°	2694.7	2822.2	2962.9	3106.5	3270.6	3459.6	3632.5	3757.1	3821.5	3831.8	3834.7
7.5°	2420.7	2532.1	2669.8	2835.4	3042.0	3244.2	3510.9	3697.0	3801.0	3828.9	3828.9
10°	2132.0	2230.2	2316.7	2461.7	2642.0	2831.0	3058.1	3229.6	3335.1	3368.8	3339.5
12.5°	1969.4	2011.9	2070.5	2177.5	2290.3	2433.9	2630.2	2741.6	2810.5	2831.0	2813.4
15°	1865.3	1887.3	1912.2	1957.7	2036.8	2126.2	2241.9	2310.8	2353.3	2378.2	2369.4
17.5°	1815.5	1815.5	1811.1	1821.4	1841.9	1882.9	1962.1	1987.0	2006.0	2016.3	2010.4
20°	1739.3	1715.9	1696.8	1667.5	1655.8	1654.3	1673.4	1699.8	1698.3	1699.8	1688.0
22.5°	1663.1	1614.8	1567.9	1523.9	1474.1	1449.2	1431.6	1440.4	1433.1	1440.4	1433.1
25°	1626.5	1528.3	1434.5	1327.6	1238.2	1169.3	1123.9	1096.1	1049.2	1066.7	1050.6
27.5°	1009.6	968.6	929.0	849.9	775.2	748.8	726.8	715.1	706.3	710.7	707.7
30°	874.8	841.1	810.3	769.3	712.1	677.0	650.6	627.2	619.8	621.3	619.8
32.5°	811.8	785.4	747.3	704.8	653.5	609.6	578.8	556.8	545.1	552.4	546.6
35°	726.8	700.4	668.2	628.6	584.7	545.1	515.8	495.3	482.1	485.0	483.6
37.5°	671.1	646.2	618.4	575.9	537.8	499.7	470.4	449.9	436.7	439.6	436.7
40°	638.9	611.0	581.7	543.6	505.5	466.0	438.1	414.7	401.5	401.5	401.5
42.5°	572.9	551.0	526.0	486.5	452.8	419.1	391.2	373.7	359.0	360.5	357.5
45°	489.4	473.3	454.2	427.9	400.0	373.7	350.2	337.0	325.3	326.8	325.3
47.5°	446.9	432.3	410.3	389.8	364.9	341.4	320.9	304.8	296.0	297.5	294.5
50°	430.8	413.2	388.3	360.5	337.0	313.6	293.1	281.3	272.5	274.0	272.5
52.5°	436.7	408.8	373.7	340.0	312.1	288.7	272.5	259.4	253.5	255.0	252.0
55°	474.8	426.4	373.7	331.2	296.0	269.6	253.5	238.8	233.0	233.0	233.0
57.5°	487.9	435.2	369.3	320.9	282.8	256.4	237.4	222.7	216.9	216.9	216.9
60°	457.2	411.8	351.7	306.3	271.1	246.2	230.1	219.8	215.4	215.4	215.4
62.5°	391.2	361.9	316.5	279.9	253.5	231.5	215.4	202.2	197.8	196.4	196.4
65°	354.6	326.8	288.7	257.9	234.5	216.9	202.2	192.0	186.1	186.1	186.1
67.5°	331.2	304.8	269.6	240.3	218.3	199.3	186.1	175.8	172.9	171.4	171.4
70°	304.8	279.9	244.7	218.3	197.8	181.7	168.5	159.7	156.8	156.8	155.3
72.5°	278.4	255.0	221.3	196.4	177.3	162.6	150.9	143.6	140.7	139.2	139.2
75°	253.5	230.1	199.3	175.8	158.3	145.1	134.8	127.5	124.6	124.6	124.6
77.5°	230.1	208.1	178.8	156.8	142.1	128.9	120.2	114.3	111.4	111.4	111.4
80°	208.1	186.1	159.7	139.2	124.6	114.3	107.0	101.1	98.2	99.6	98.2
82.5°	184.6	167.0	142.1	123.1	111.4	101.1	93.8	89.4	86.5	87.9	86.5
85°	165.6	148.0	124.6	108.4	96.7	87.9	82.1	77.7	74.7	76.2	74.7
87.5°	146.5	130.4	109.9	95.2	85.0	77.7	70.3	67.4	65.9	65.9	64.5
90°	126.0	111.4	93.8	82.1	71.8	65.9	60.1	57.1	55.7	54.2	54.2
92.5°	111.4	99.6	83.5	73.3	64.5	60.1	54.2	51.3	49.8	49.8	49.8
95°	98.2	87.9	74.7	65.9	60.1	54.2	49.8	48.4	46.9	46.9	45.4
97.5°	85.0	76.2	67.4	60.1	54.2	49.8	45.4	44.0	42.5	42.5	42.5
100°	71.8	65.9	58.6	52.8	48.4	45.4	41.0	39.6	38.1	38.1	38.1
102.5°	60.1	55.7	49.8	45.4	42.5	39.6	36.6	35.2	33.7	33.7	33.7
105°	52.8	48.4	45.4	41.0	38.1	35.2	33.7	30.8	29.3	29.3	29.3
107.5°	48.4	45.4	42.5	39.6	36.6	33.7	30.8	27.8	26.4	26.4	26.4
110°	46.9	44.0	41.0	38.1	35.2	32.2	30.8	26.4	24.9	24.9	24.9

REPORT NUMBER: P691330

CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	46.9	45.4	42.5	39.6	36.6	33.7	30.8	24.9	23.4	23.4	23.4
115°	49.8	46.9	44.0	41.0	38.1	35.2	32.2	24.9	23.4	23.4	23.4
117.5°	54.2	51.3	46.9	44.0	41.0	36.6	32.2	26.4	23.4	23.4	23.4
120°	61.5	57.1	52.8	48.4	44.0	39.6	33.7	26.4	22.0	23.4	23.4
122.5°	70.3	65.9	58.6	52.8	48.4	42.5	35.2	27.8	22.0	23.4	23.4
125°	82.1	76.2	67.4	60.1	52.8	45.4	36.6	27.8	22.0	23.4	24.9
127.5°	95.2	86.5	76.2	65.9	57.1	48.4	39.6	29.3	22.0	24.9	24.9
130°	109.9	99.6	86.5	73.3	63.0	51.3	41.0	29.3	23.4	23.4	23.4
132.5°	126.0	111.4	93.8	79.1	65.9	52.8	41.0	29.3	23.4	23.4	23.4
135°	137.7	120.2	101.1	83.5	68.9	54.2	42.5	29.3	22.0	22.0	22.0
137.5°	148.0	127.5	107.0	86.5	70.3	54.2	41.0	27.8	22.0	20.5	20.5
140°	153.9	130.4	107.0	86.5	68.9	52.8	38.1	26.4	19.0	19.0	19.0
142.5°	153.9	128.9	105.5	83.5	64.5	49.8	36.6	23.4	17.6	17.6	17.6
145°	148.0	123.1	99.6	79.1	60.1	45.4	32.2	22.0	16.1	16.1	16.1
147.5°	137.7	112.8	90.8	71.8	52.8	39.6	27.8	17.6	13.2	13.2	13.2
150°	123.1	99.6	79.1	61.5	45.4	32.2	23.4	14.7	10.3	10.3	10.3
152.5°	102.6	83.5	64.5	51.3	36.6	26.4	17.6	11.7	8.8	8.8	8.8
155°	80.6	65.9	51.3	39.6	27.8	19.0	13.2	8.8	5.9	5.9	5.9
157.5°	61.5	49.8	38.1	29.3	20.5	14.7	10.3	5.9	4.4	4.4	4.4
160°	42.5	33.7	26.4	20.5	13.2	10.3	7.3	4.4	2.9	2.9	2.9
162.5°	27.8	22.0	16.1	11.7	8.8	5.9	4.4	2.9	1.5	1.5	1.5
165°	13.2	10.3	8.8	5.9	4.4	2.9	1.5	1.5	0.0	0.0	0.0
167.5°	4.4	2.9	2.9	1.5	1.5	1.5	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

(END OF REPORT)