

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: P691229

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3625 lumens
Efficiency: N/A
Efficacy: 110.9 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): 32.7
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



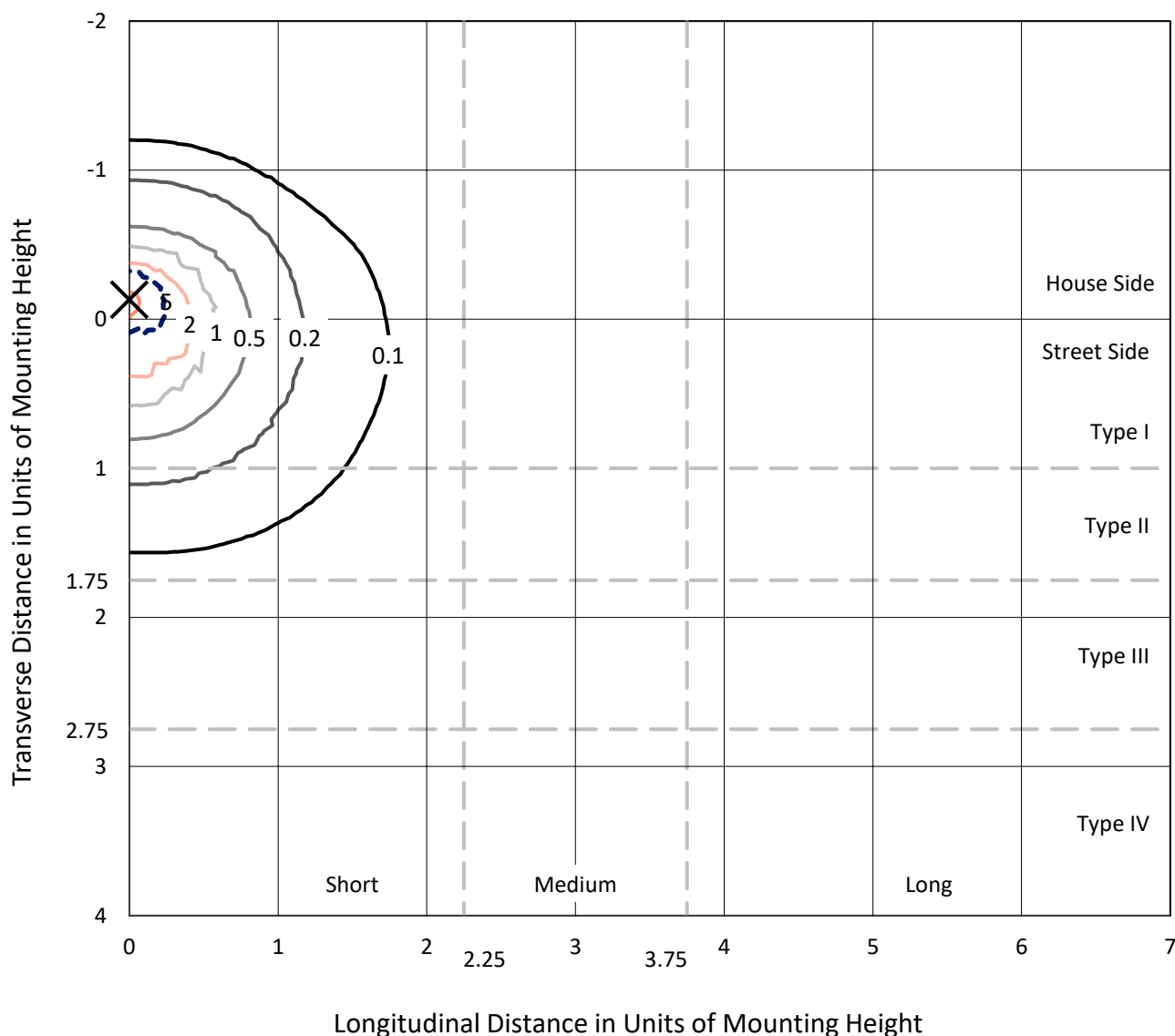
REPORT NUMBER: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



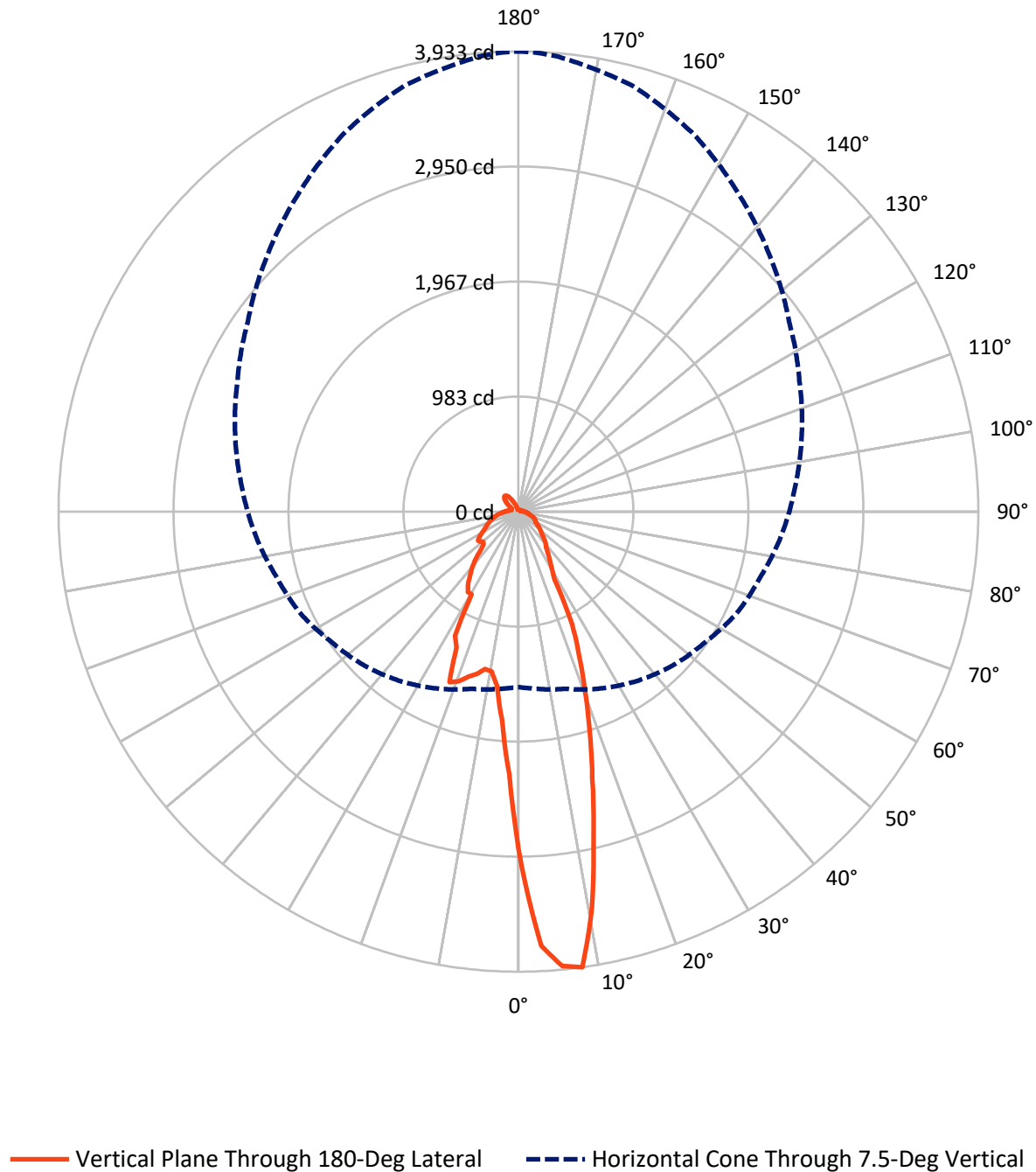
Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type I - Short - N/A

REPORT NUMBER: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691229

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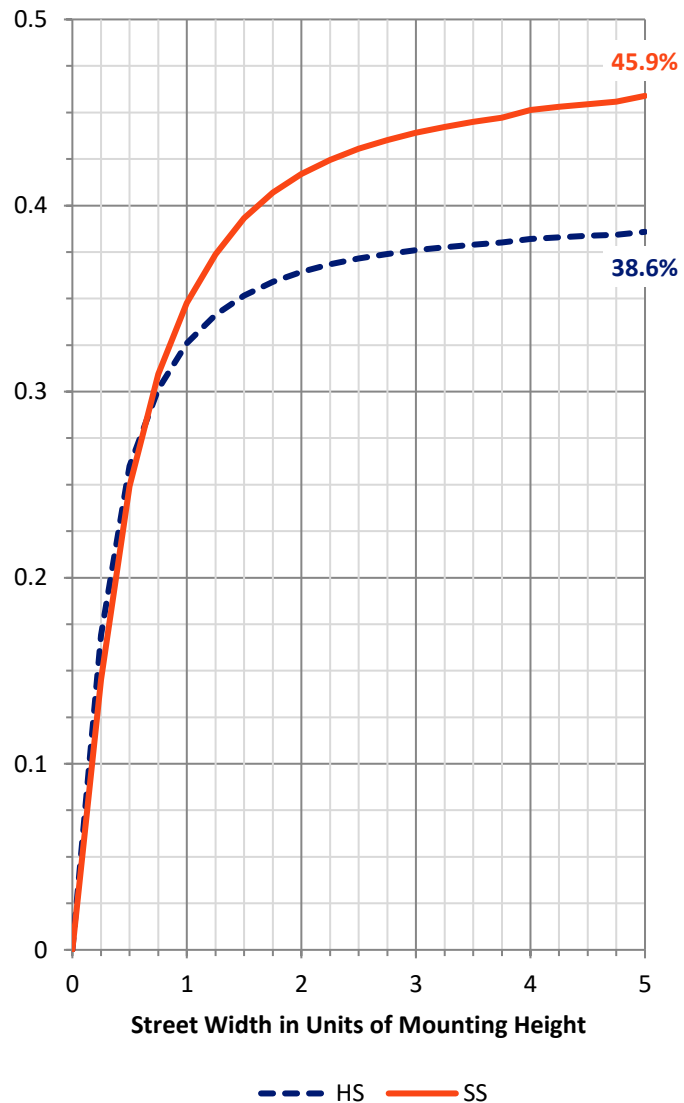
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1435.2	149.7	1584.9
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	1711.5	328.7	2040.1
	% Fixture	47.2	9.1	56.3
Total	Lumens	3146.7	478.3	3625.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	6.7
10°-20°	519.6	14.3
20°-30°	573.7	15.8
30°-40°	416.1	11.5
40°-50°	350.6	9.7
50°-60°	357.9	9.9
60°-70°	305.0	8.4
70°-80°	227.4	6.3
80°-90°	153.5	4.2
90°-100°	91.7	2.5
100°-110°	52.8	1.5
110°-120°	49.3	1.4
120°-130°	71.9	2.0
130°-140°	97.6	2.7
140°-150°	79.5	2.2
150°-160°	31.7	0.9
160°-170°	3.9	0.1
170°-180°	0.0	0.0
0°-90°	3146.7	86.8
0°-180°	3625.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691229

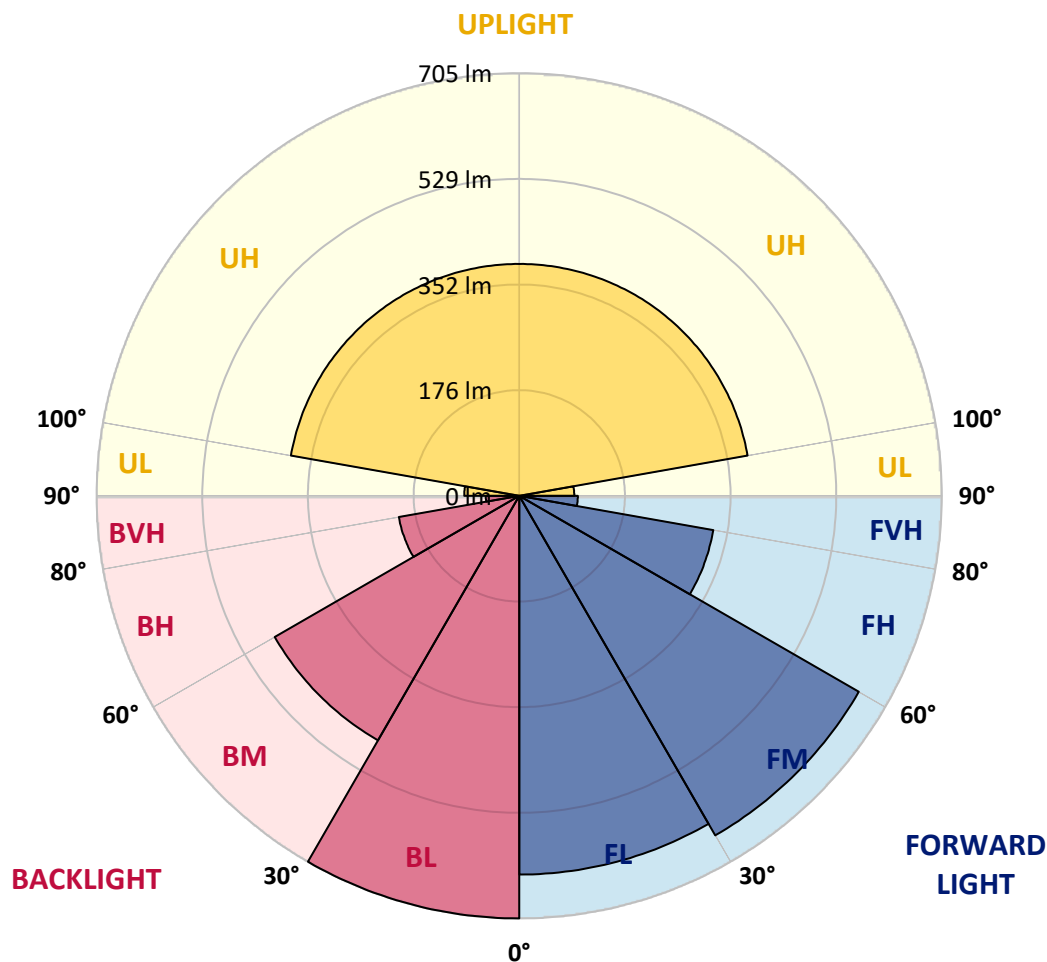
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	631.5	17.4			
FM	(30°-60°)	653.7	18.0			
FH	(60°-80°)	328.6	9.1			G0/660
FVH	(80°-90°)	97.6	2.7			G1/100
BL	(0°-30°)	704.7	19.4	B2/1000		
BM	(30°-60°)	470.8	13.0	B1/1000		
BH	(60°-80°)	203.8	5.6	B1/500		G1/500
BVH	(80°-90°)	55.8	1.5			G1/100
UL	(90°-100°)	91.7	2.5		U3/500	
UH	(100°-180°)	386.6	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short



REPORT NUMBER: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2
2.5°	2249.7	2301.9	2306.6	2363.6	2406.3	2445.8	2474.3	2556.6	2640.4	2719.5	2765.4
5°	1786.1	1811.4	1857.3	1919.0	1998.1	2059.8	2148.4	2263.9	2374.6	2513.9	2581.9
7.5°	1499.8	1518.8	1567.8	1667.5	1767.1	1862.1	1947.5	2058.2	2143.7	2259.2	2316.1
10°	1385.9	1396.9	1438.1	1507.7	1602.6	1681.7	1756.1	1839.9	1915.9	2021.9	2063.0
12.5°	1374.8	1379.5	1412.8	1461.8	1517.2	1582.0	1643.7	1714.9	1795.6	1879.5	1911.1
15°	1434.9	1431.8	1442.8	1471.3	1502.9	1553.6	1610.5	1675.4	1752.9	1814.6	1839.9
17.5°	1477.6	1476.0	1496.6	1509.3	1539.3	1569.4	1626.3	1677.0	1752.9	1801.9	1816.2
20°	1539.3	1542.5	1548.8	1572.6	1585.2	1605.8	1640.6	1670.6	1735.5	1764.0	1760.8
22.5°	1572.6	1571.0	1597.9	1653.2	1667.5	1678.5	1684.9	1697.5	1733.9	1732.3	1708.6
25°	1275.1	1278.3	1284.6	1332.1	1392.2	1490.3	1571.0	1697.5	1765.6	1740.2	1689.6
27.5°	1191.3	1181.8	1148.6	1121.7	1041.0	987.2	936.6	914.4	925.5	944.5	996.7
30°	811.6	813.2	816.3	821.1	829.0	849.6	863.8	865.4	876.5	908.1	897.0
32.5°	813.2	814.8	810.0	814.8	811.6	819.5	817.9	811.6	821.1	849.6	838.5
35°	764.1	761.0	764.1	765.7	748.3	742.0	740.4	735.7	742.0	756.2	746.7
37.5°	688.2	686.6	700.8	708.8	694.5	694.5	691.4	685.0	689.8	702.4	689.8
40°	621.7	623.3	643.9	656.5	651.8	656.5	661.3	659.7	670.8	675.5	659.7
42.5°	549.0	545.8	566.4	575.9	566.4	569.5	568.0	569.5	591.7	601.2	590.1
45°	458.8	463.5	473.0	485.7	484.1	488.9	487.3	490.4	504.7	509.4	501.5
47.5°	408.2	411.3	422.4	436.6	444.6	452.5	452.5	454.0	463.5	465.1	457.2
50°	397.1	400.3	414.5	430.3	443.0	452.5	457.2	455.6	460.4	457.2	446.1
52.5°	416.1	416.1	438.2	457.2	473.0	490.4	496.8	490.4	490.4	477.8	460.4
55°	424.0	425.6	452.5	485.7	515.7	547.4	568.0	566.4	564.8	544.2	512.6
57.5°	398.7	403.4	430.3	468.3	509.4	560.0	590.1	594.8	594.8	568.0	533.1
60°	362.3	365.5	386.0	417.7	458.8	496.8	528.4	531.6	541.1	526.8	495.2
62.5°	332.2	335.4	352.8	376.5	406.6	430.3	439.8	439.8	444.6	439.8	417.7
65°	310.1	311.7	325.9	346.5	367.0	386.0	395.5	392.3	398.7	392.3	374.9
67.5°	289.5	289.5	302.2	318.0	337.0	359.1	365.5	368.6	374.9	367.0	351.2
70°	268.9	270.5	283.2	295.8	313.2	329.1	335.4	337.0	344.9	335.4	324.3
72.5°	251.5	251.5	262.6	275.3	287.9	303.8	308.5	311.7	316.4	306.9	297.4
75°	231.0	232.6	242.1	253.1	264.2	280.0	284.8	286.4	291.1	280.0	270.5
77.5°	212.0	213.6	221.5	231.0	242.1	254.7	259.5	262.6	264.2	254.7	245.2
80°	193.0	194.6	200.9	210.4	219.9	232.6	235.7	237.3	240.5	229.4	223.1
82.5°	175.6	175.6	180.4	188.3	197.8	208.8	213.6	215.2	216.7	207.2	200.9
85°	155.0	155.0	159.8	167.7	175.6	186.7	191.4	193.0	193.0	185.1	178.8
87.5°	137.6	137.6	140.8	147.1	153.5	164.5	169.3	172.4	170.9	164.5	158.2
90°	120.2	120.2	123.4	128.1	134.5	144.0	148.7	150.3	150.3	142.4	137.6
92.5°	104.4	104.4	107.6	112.3	117.1	125.0	129.7	132.9	132.9	126.6	121.8
95°	90.2	90.2	91.8	96.5	101.3	107.6	110.7	113.9	113.9	110.7	106.0
97.5°	77.5	77.5	79.1	82.3	85.4	90.2	93.3	96.5	96.5	94.9	91.8
100°	68.0	68.0	68.0	69.6	72.8	74.4	77.5	80.7	80.7	79.1	77.5
102.5°	61.7	61.7	61.7	61.7	61.7	63.3	63.3	64.9	64.9	64.9	63.3
105°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	57.0	55.4	53.8
107.5°	58.5	57.0	57.0	57.0	57.0	55.4	55.4	55.4	53.8	52.2	50.6
110°	58.5	58.5	58.5	58.5	57.0	55.4	55.4	53.8	52.2	50.6	49.0



REPORT NUMBER: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	61.7	61.7	61.7	60.1	58.5	58.5	57.0	55.4	53.8	50.6	49.0
115°	66.4	66.4	66.4	66.4	64.9	61.7	60.1	58.5	55.4	53.8	52.2
117.5°	74.4	74.4	74.4	74.4	71.2	69.6	66.4	64.9	61.7	58.5	57.0
120°	83.8	83.8	85.4	85.4	83.8	80.7	75.9	74.4	71.2	66.4	63.3
122.5°	98.1	96.5	99.7	99.7	99.7	96.5	90.2	87.0	83.8	77.5	74.4
125°	112.3	112.3	115.5	118.7	120.2	115.5	109.2	104.4	99.7	91.8	87.0
127.5°	128.1	128.1	134.5	140.8	144.0	139.2	131.3	126.6	120.2	109.2	102.8
130°	144.0	144.0	153.5	163.0	167.7	164.5	156.6	150.3	142.4	128.1	120.2
132.5°	158.2	158.2	169.3	181.9	188.3	186.7	178.8	172.4	166.1	148.7	137.6
135°	169.3	170.9	185.1	199.3	207.2	208.8	200.9	193.0	185.1	166.1	153.5
137.5°	175.6	178.8	193.0	210.4	218.3	223.1	218.3	210.4	200.9	180.4	166.1
140°	177.2	178.8	194.6	212.0	219.9	226.2	226.2	216.7	208.8	188.3	172.4
142.5°	172.4	174.0	189.8	205.7	213.6	221.5	223.1	215.2	207.2	188.3	172.4
145°	161.4	164.5	178.8	191.4	202.5	210.4	213.6	208.8	199.3	181.9	167.7
147.5°	147.1	148.7	161.4	172.4	183.5	193.0	197.8	193.0	185.1	169.3	156.6
150°	125.0	126.6	136.1	145.5	158.2	167.7	174.0	170.9	164.5	151.9	139.2
152.5°	101.3	101.3	109.2	117.1	128.1	137.6	144.0	142.4	137.6	126.6	117.1
155°	77.5	77.5	82.3	88.6	98.1	104.4	110.7	110.7	107.6	99.7	91.8
157.5°	55.4	55.4	60.1	64.9	71.2	77.5	82.3	82.3	80.7	74.4	69.6
160°	36.4	36.4	39.6	42.7	49.0	52.2	57.0	57.0	55.4	52.2	49.0
162.5°	19.0	19.0	22.1	23.7	28.5	31.6	34.8	36.4	36.4	33.2	31.6
165°	6.3	6.3	6.3	7.9	11.1	14.2	15.8	17.4	17.4	15.8	15.8
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.7	4.7	4.7	4.7
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: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2	3031.2
2.5°	2814.5	2958.4	3081.8	3211.5	3355.5	3477.3	3600.7	3668.8	3727.3	3716.2	3716.2
5°	2648.3	2792.3	2942.6	3100.8	3295.4	3494.7	3684.6	3820.6	3891.8	3902.9	3901.3
7.5°	2373.1	2507.5	2649.9	2825.5	3053.3	3297.0	3554.9	3768.4	3902.9	3928.2	3933.0
10°	2101.0	2202.2	2322.4	2442.7	2646.8	2869.8	3100.8	3271.7	3403.0	3422.0	3444.1
12.5°	1938.0	1993.4	2070.9	2154.7	2287.6	2450.6	2640.4	2738.5	2822.4	2831.9	2852.4
15°	1854.2	1881.1	1900.0	1930.1	2009.2	2110.4	2197.5	2294.0	2328.8	2352.5	2363.6
17.5°	1820.9	1817.8	1798.8	1798.8	1805.1	1843.1	1898.5	1931.7	1953.8	1964.9	1968.1
20°	1752.9	1724.4	1686.5	1635.8	1608.9	1596.3	1610.5	1618.4	1612.1	1604.2	1618.4
22.5°	1681.7	1621.6	1553.6	1495.0	1425.4	1382.7	1341.6	1327.3	1309.9	1321.0	1321.0
25°	1659.6	1553.6	1444.4	1346.3	1241.9	1170.7	1094.8	1067.9	1041.0	1063.1	1063.1
27.5°	980.9	980.9	919.2	836.9	746.7	708.8	678.7	661.3	650.2	655.0	655.0
30°	878.0	836.9	798.9	746.7	677.1	631.2	591.7	568.0	556.9	553.7	556.9
32.5°	814.8	783.1	737.2	685.0	623.3	572.7	528.4	504.7	487.3	490.4	492.0
35°	729.3	696.1	656.5	607.5	555.3	507.8	468.3	444.6	428.7	428.7	430.3
37.5°	675.5	642.3	604.3	560.0	509.4	463.5	427.2	398.7	384.4	382.9	382.9
40°	642.3	609.1	574.3	530.0	482.5	435.1	398.7	373.4	356.0	356.0	357.5
42.5°	582.2	550.6	520.5	480.9	438.2	397.1	362.3	340.1	322.7	319.6	322.7
45°	490.4	473.0	449.3	422.4	386.0	352.8	321.2	302.2	287.9	287.9	286.4
47.5°	449.3	431.9	406.6	379.7	349.6	316.4	291.1	273.7	261.0	261.0	261.0
50°	433.5	414.5	382.9	352.8	318.0	289.5	267.4	250.0	240.5	240.5	238.9
52.5°	441.4	411.3	370.2	327.5	294.3	265.8	243.6	226.2	218.3	218.3	216.7
55°	484.1	430.3	370.2	318.0	278.4	246.8	224.7	205.7	197.8	197.8	197.8
57.5°	501.5	441.4	367.0	308.5	264.2	231.0	204.1	186.7	178.8	178.8	177.2
60°	469.9	419.2	351.2	295.8	253.1	219.9	194.6	177.2	167.7	167.7	166.1
62.5°	400.3	363.9	311.7	270.5	237.3	207.2	185.1	167.7	159.8	159.8	159.8
65°	359.1	327.5	286.4	250.0	219.9	194.6	174.0	159.8	151.9	151.9	151.9
67.5°	335.4	308.5	267.4	232.6	202.5	178.8	159.8	147.1	140.8	139.2	140.8
70°	310.1	281.6	243.6	210.4	183.5	161.4	144.0	131.3	125.0	125.0	125.0
72.5°	283.2	256.3	219.9	189.8	163.0	145.5	128.1	117.1	110.7	110.7	109.2
75°	257.9	231.0	196.2	167.7	145.5	128.1	113.9	104.4	98.1	98.1	98.1
77.5°	234.1	208.8	175.6	150.3	129.7	115.5	101.3	93.3	88.6	88.6	87.0
80°	212.0	188.3	156.6	134.5	115.5	102.8	90.2	83.8	79.1	79.1	79.1
82.5°	189.8	167.7	139.2	118.7	102.8	90.2	80.7	74.4	71.2	69.6	71.2
85°	169.3	148.7	123.4	104.4	90.2	79.1	71.2	64.9	61.7	61.7	61.7
87.5°	150.3	131.3	109.2	91.8	79.1	69.6	61.7	57.0	55.4	53.8	53.8
90°	129.7	112.3	93.3	79.1	68.0	60.1	52.2	49.0	45.9	45.9	45.9
92.5°	115.5	101.3	83.8	71.2	61.7	55.4	49.0	45.9	42.7	42.7	42.7
95°	101.3	88.6	74.4	64.9	57.0	50.6	45.9	42.7	41.1	41.1	41.1
97.5°	87.0	77.5	66.4	58.5	52.2	47.5	42.7	39.6	38.0	38.0	38.0
100°	72.8	66.4	58.5	52.2	47.5	42.7	38.0	36.4	34.8	34.8	34.8
102.5°	60.1	55.4	49.0	44.3	39.6	36.4	33.2	31.6	30.1	30.1	30.1
105°	52.2	49.0	44.3	39.6	36.4	33.2	30.1	26.9	26.9	26.9	26.9
107.5°	49.0	44.3	41.1	38.0	34.8	30.1	28.5	25.3	23.7	23.7	23.7
110°	47.5	44.3	41.1	36.4	33.2	30.1	26.9	23.7	22.1	22.1	22.1



REPORT NUMBER: P691229

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	47.5	44.3	41.1	38.0	34.8	30.1	28.5	22.1	20.6	20.6	20.6
115°	50.6	47.5	42.7	39.6	34.8	31.6	28.5	22.1	20.6	20.6	20.6
117.5°	53.8	50.6	45.9	42.7	38.0	33.2	28.5	22.1	20.6	20.6	20.6
120°	61.7	57.0	50.6	45.9	41.1	34.8	30.1	22.1	19.0	20.6	20.6
122.5°	69.6	64.9	57.0	50.6	44.3	38.0	30.1	22.1	19.0	20.6	20.6
125°	82.3	74.4	64.9	57.0	47.5	39.6	31.6	22.1	17.4	19.0	20.6
127.5°	96.5	87.0	74.4	63.3	52.2	41.1	31.6	22.1	17.4	19.0	19.0
130°	112.3	99.7	83.8	68.0	55.4	42.7	31.6	22.1	17.4	19.0	19.0
132.5°	128.1	110.7	91.8	74.4	58.5	44.3	31.6	20.6	17.4	17.4	17.4
135°	140.8	120.2	98.1	77.5	60.1	44.3	30.1	20.6	15.8	15.8	15.8
137.5°	151.9	128.1	102.8	79.1	60.1	42.7	28.5	19.0	14.2	14.2	14.2
140°	158.2	131.3	104.4	77.5	57.0	41.1	26.9	17.4	12.7	12.7	12.7
142.5°	158.2	129.7	101.3	75.9	53.8	38.0	23.7	14.2	11.1	11.1	11.1
145°	151.9	123.4	96.5	71.2	49.0	33.2	20.6	12.7	9.5	9.5	9.5
147.5°	142.4	113.9	88.6	64.9	44.3	28.5	17.4	11.1	7.9	7.9	7.9
150°	126.6	101.3	77.5	55.4	38.0	23.7	14.2	9.5	6.3	6.3	6.3
152.5°	106.0	83.8	64.9	45.9	31.6	19.0	12.7	6.3	4.7	4.7	4.7
155°	83.8	66.4	50.6	36.4	23.7	14.2	9.5	6.3	3.2	3.2	3.2
157.5°	63.3	49.0	38.0	26.9	17.4	11.1	6.3	4.7	3.2	3.2	3.2
160°	44.3	34.8	25.3	17.4	11.1	7.9	4.7	3.2	1.6	1.6	1.6
162.5°	28.5	22.1	15.8	11.1	6.3	4.7	3.2	1.6	1.6	1.6	0.0
165°	14.2	11.1	7.9	4.7	3.2	1.6	1.6	1.6	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	1.6	1.6	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

(END OF REPORT)