

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: P691214

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4110 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

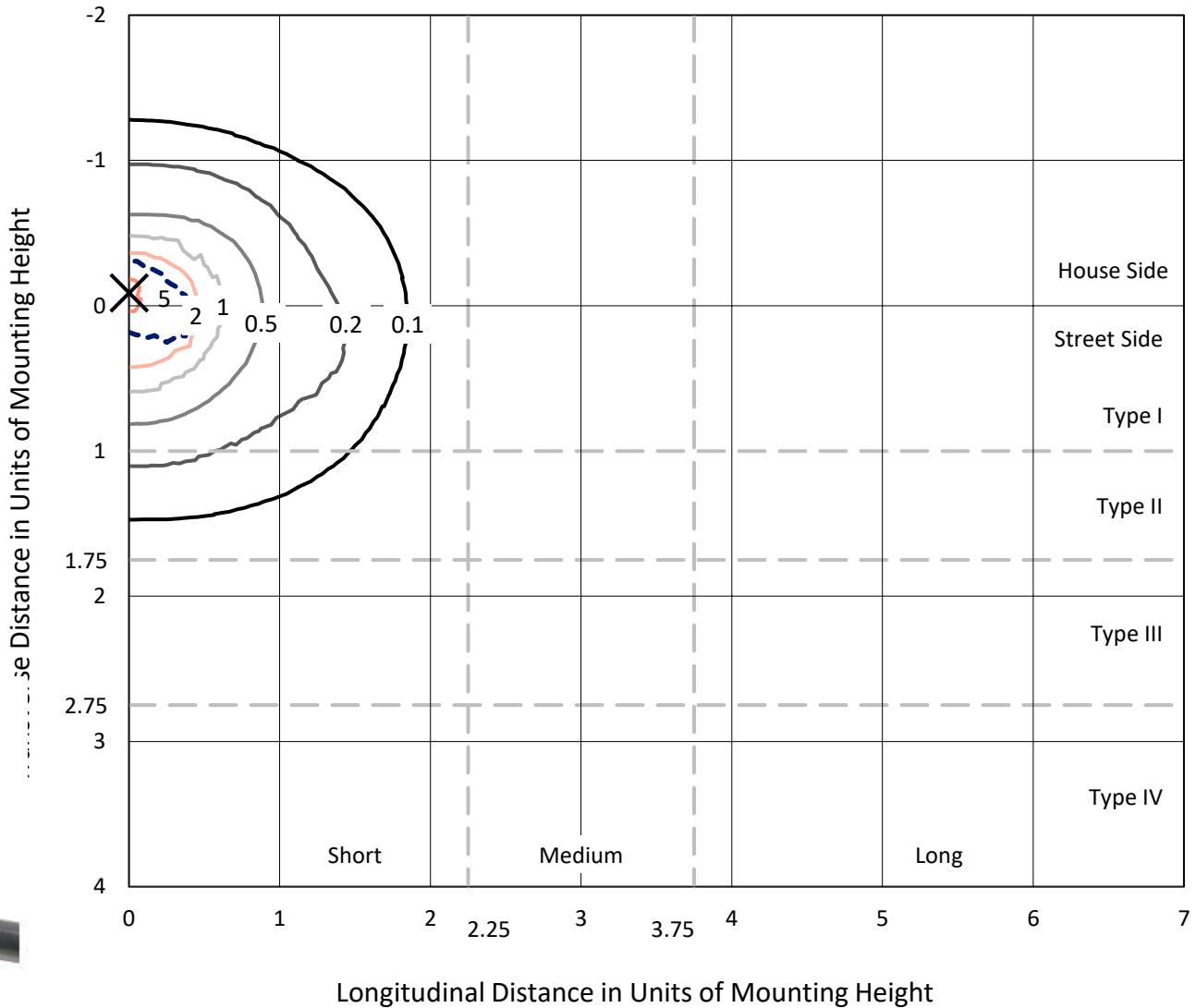
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

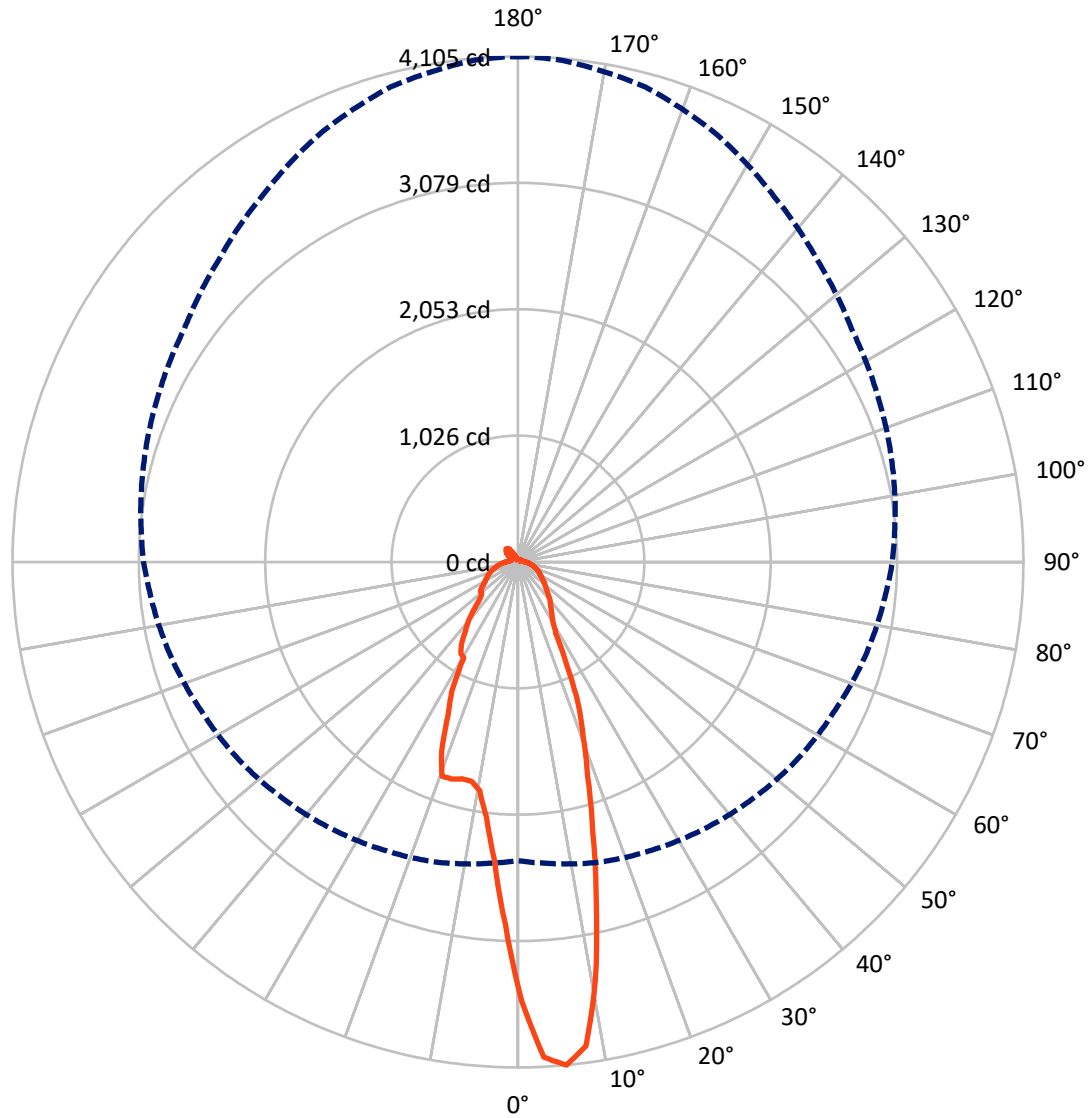
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type I - Short - N/A

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

Luminous Intensity Polar Plot



— Vertical Plane Through 179-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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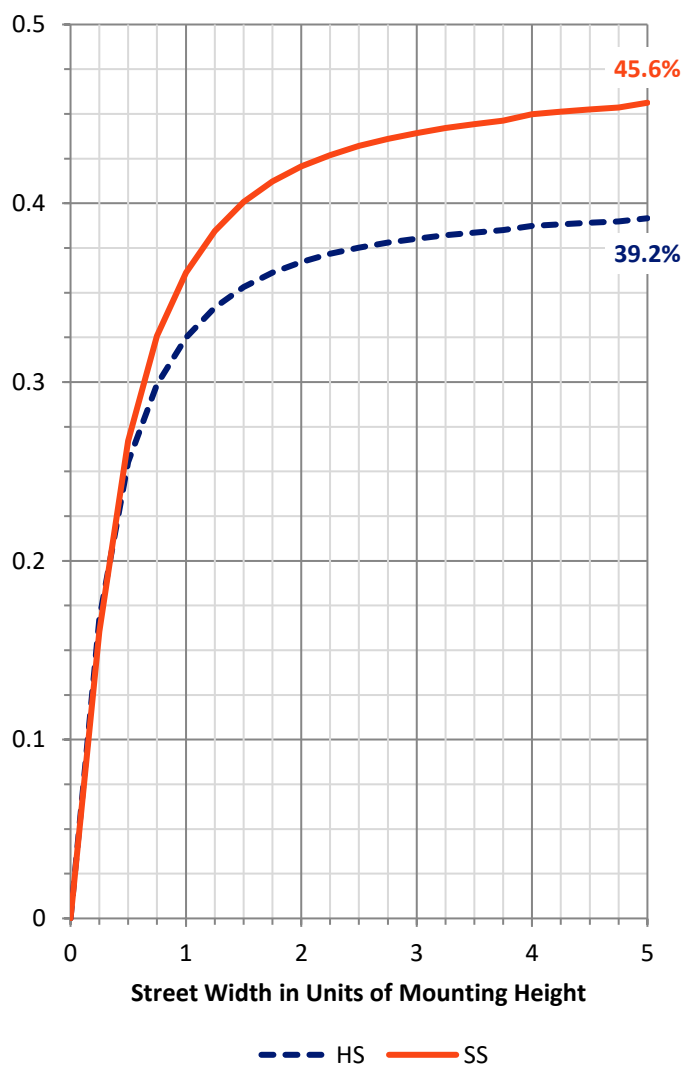
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.9	201.1	1855.0
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1919.7	335.3	2255.0
	% Fixture	46.7	8.2	54.9
Total	Lumens	3573.6	536.4	4110.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	6.8
10°-20°	594.9	14.5
20°-30°	646.3	15.7
30°-40°	478.3	11.6
40°-50°	400.6	9.7
50°-60°	402.8	9.8
60°-70°	342.9	8.3
70°-80°	256.1	6.2
80°-90°	172.9	4.2
90°-100°	103.3	2.5
100°-110°	59.7	1.5
110°-120°	55.0	1.3
120°-130°	79.5	1.9
130°-140°	108.8	2.6
140°-150°	89.6	2.2
150°-160°	36.1	0.9
160°-170°	4.4	0.1
170°-180°	0.0	0.0
0°-90°	3573.6	86.9
0°-180°	4110.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691214

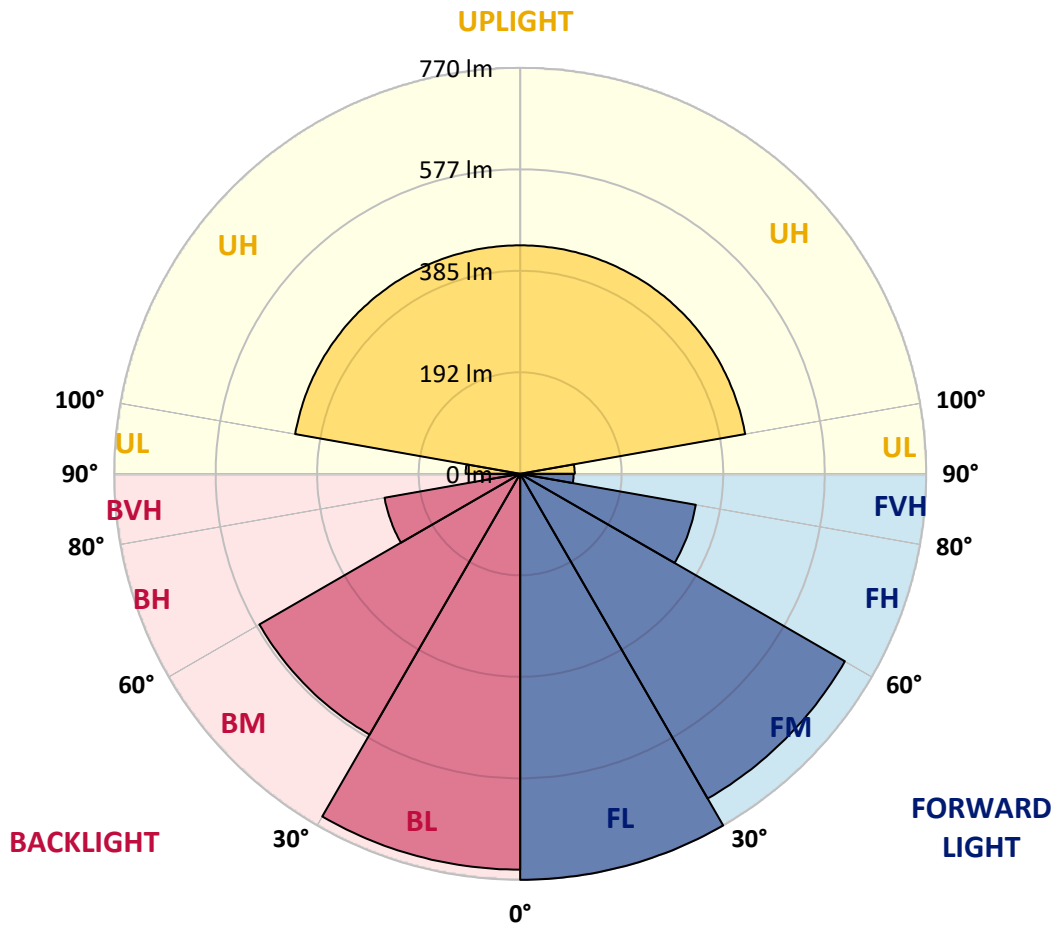
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	769.6	18.7			
FM (30°-60°)	710.8	17.3			
FH (60°-80°)	338.1	8.2			G0/660
FVH (80°-90°)	101.2	2.5			G2/225
BL (0°-30°)	750.4	18.3	B2/1000		
BM (30°-60°)	570.9	13.9	B1/1000		
BH (60°-80°)	261.0	6.3	B1/500		G1/500
BVH (80°-90°)	71.7	1.7			G1/100
UL (90°-100°)	103.3	2.5		U3/500	
UH (100°-180°)	433.1	10.5		U3/500	

BUG Rating: B2-U3-G2

Type I Short





REPORT NUMBER: P691214

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5
2.5°	2940.2	2956.7	2992.9	3011.1	3029.2	3052.3	3086.9	3113.2	3174.2	3230.3	3253.3
5°	2426.0	2455.7	2524.9	2580.9	2643.5	2709.5	2780.3	2843.0	2923.7	2997.9	3040.7
7.5°	2084.8	2109.6	2192.0	2300.7	2411.2	2503.4	2576.0	2623.8	2660.0	2689.7	2721.0
10°	1877.2	1898.6	1981.0	2078.2	2172.2	2257.9	2318.9	2365.0	2378.2	2407.9	2422.7
12.5°	1817.8	1827.7	1885.4	1953.0	2010.7	2094.7	2167.2	2216.7	2238.1	2264.5	2272.7
15°	1819.5	1819.5	1852.5	1895.3	1948.0	2012.3	2093.1	2152.4	2183.7	2198.6	2196.9
17.5°	1844.2	1842.6	1857.4	1892.0	1936.5	2000.8	2083.2	2144.2	2180.4	2185.4	2180.4
20°	1844.2	1845.9	1850.8	1890.4	1933.2	1990.9	2074.9	2126.0	2154.1	2139.2	2122.7
22.5°	1656.3	1654.7	1697.5	1781.6	1897.0	2017.3	2093.1	2155.7	2162.3	2107.9	2063.4
25°	1367.9	1356.4	1381.1	1419.0	1496.5	1636.6	1794.8	2032.1	2173.8	2142.5	2074.9
27.5°	1186.6	1171.8	1193.2	1176.7	1168.5	1158.6	1148.7	1120.7	1138.8	1155.3	1227.8
30°	894.9	898.2	903.2	913.0	932.8	972.4	1013.6	1038.3	1059.7	1102.6	1097.6
32.5°	875.1	873.5	875.1	885.0	894.9	919.6	944.4	957.5	974.0	1015.2	1005.3
35°	809.2	805.9	817.5	822.4	820.7	827.3	852.1	866.9	881.7	908.1	898.2
37.5°	712.0	715.3	740.0	753.2	758.1	773.0	792.7	805.9	824.0	843.8	838.9
40°	639.5	637.8	664.2	682.3	693.8	716.9	746.6	766.4	796.0	812.5	801.0
42.5°	550.5	557.1	576.8	595.0	598.3	609.8	636.2	659.2	695.5	720.2	713.6
45°	463.1	468.1	484.5	499.4	510.9	525.7	545.5	565.3	595.0	614.7	613.1
47.5°	408.7	413.7	426.9	445.0	461.5	482.9	502.7	522.4	550.5	565.3	560.4
50°	387.3	390.6	405.4	425.2	449.9	476.3	502.7	524.1	550.5	560.4	552.1
52.5°	385.7	385.7	403.8	433.4	468.1	504.3	538.9	568.6	593.3	593.3	576.8
55°	362.6	365.9	388.9	428.5	481.2	540.6	601.6	657.6	690.5	684.0	652.6
57.5°	329.6	331.3	356.0	393.9	449.9	522.4	604.8	675.7	715.3	723.5	690.5
60°	309.8	311.5	328.0	364.2	412.0	469.7	545.5	601.6	641.1	665.8	639.5
62.5°	293.4	293.4	309.8	334.6	374.1	417.0	459.8	497.7	529.0	547.2	532.3
65°	275.2	275.2	286.8	309.8	341.2	382.4	415.3	443.3	471.4	484.5	471.4
67.5°	257.1	257.1	268.6	290.1	318.1	352.7	385.7	412.0	440.0	449.9	440.0
70°	239.0	239.0	250.5	268.6	295.0	328.0	352.7	380.7	407.1	413.7	405.4
72.5°	220.8	220.8	232.4	248.9	271.9	303.2	326.3	347.7	372.5	377.4	369.2
75°	204.4	204.4	212.6	229.1	250.5	278.5	301.6	321.4	341.2	341.2	334.6
77.5°	186.2	187.9	194.5	209.3	229.1	255.5	276.9	295.0	311.5	311.5	303.2
80°	168.1	169.8	176.3	189.5	207.7	232.4	252.2	268.6	283.5	283.5	275.2
82.5°	150.0	151.6	158.2	169.8	186.2	209.3	229.1	245.6	258.8	257.1	248.9
85°	133.5	135.1	140.1	150.0	164.8	187.9	206.0	220.8	232.4	230.7	224.1
87.5°	117.0	118.7	123.6	131.8	145.0	166.5	184.6	197.8	207.7	206.0	199.4
90°	102.2	102.2	107.1	115.4	126.9	145.0	161.5	173.0	182.9	179.6	173.0
92.5°	89.0	90.6	93.9	100.5	110.4	126.9	141.7	151.6	161.5	159.9	153.3
95°	79.1	79.1	82.4	87.3	95.6	108.8	123.6	131.8	138.4	138.4	133.5
97.5°	69.2	70.9	72.5	75.8	82.4	92.3	103.8	112.1	117.0	117.0	113.7
100°	62.6	64.3	64.3	67.6	70.9	77.5	85.7	92.3	97.2	97.2	95.6
102.5°	59.3	59.3	59.3	61.0	62.6	65.9	70.9	74.2	77.5	79.1	77.5
105°	56.0	56.0	56.0	57.7	57.7	61.0	62.6	65.9	67.6	67.6	65.9
107.5°	54.4	54.4	56.0	56.0	56.0	57.7	61.0	61.0	62.6	61.0	61.0
110°	56.0	56.0	56.0	56.0	56.0	57.7	59.3	59.3	59.3	59.3	57.7



REPORT NUMBER: P691214

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	57.7	57.7	57.7	57.7	59.3	59.3	59.3	61.0	61.0	59.3	59.3
115°	62.6	62.6	62.6	62.6	62.6	64.3	64.3	64.3	64.3	62.6	61.0
117.5°	67.6	67.6	67.6	69.2	69.2	70.9	69.2	70.9	69.2	67.6	67.6
120°	75.8	75.8	77.5	79.1	80.8	80.8	79.1	80.8	80.8	77.5	75.8
122.5°	85.7	85.7	87.3	92.3	93.9	95.6	93.9	93.9	93.9	90.6	89.0
125°	95.6	97.2	100.5	107.1	112.1	115.4	112.1	113.7	113.7	108.8	107.1
127.5°	107.1	108.8	115.4	125.3	133.5	136.8	135.1	136.8	138.4	130.2	126.9
130°	118.7	118.7	128.6	143.4	154.9	159.9	161.5	163.2	164.8	156.6	150.0
132.5°	128.6	128.6	141.7	159.9	174.7	182.9	186.2	189.5	192.8	181.3	173.0
135°	135.1	136.8	153.3	174.7	192.8	204.4	209.3	212.6	217.5	204.4	194.5
137.5°	140.1	143.4	159.9	182.9	202.7	219.2	229.1	234.0	237.3	224.1	211.0
140°	141.7	143.4	161.5	184.6	204.4	222.5	237.3	245.6	247.2	234.0	220.8
142.5°	136.8	140.1	156.6	179.6	199.4	219.2	235.7	243.9	245.6	234.0	220.8
145°	130.2	131.8	146.7	168.1	187.9	209.3	227.4	235.7	235.7	225.8	212.6
147.5°	118.7	120.3	133.5	151.6	171.4	192.8	211.0	219.2	220.8	211.0	199.4
150°	102.2	103.8	113.7	128.6	148.3	169.8	186.2	196.1	196.1	186.2	178.0
152.5°	82.4	84.1	92.3	103.8	120.3	140.1	154.9	164.8	164.8	158.2	148.3
155°	64.3	64.3	70.9	80.8	92.3	107.1	118.7	126.9	128.6	122.0	115.4
157.5°	46.1	46.1	51.1	59.3	69.2	80.8	89.0	95.6	95.6	90.6	87.3
160°	31.3	31.3	34.6	39.6	46.1	54.4	61.0	67.6	67.6	64.3	61.0
162.5°	16.5	16.5	19.8	23.1	28.0	34.6	37.9	42.9	42.9	41.2	39.6
165°	4.9	4.9	6.6	8.2	11.5	14.8	16.5	19.8	21.4	19.8	18.1
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	3.3	4.9	4.9	4.9	4.9
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: P691214

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5	3566.5
2.5°	3278.0	3381.9	3475.8	3573.1	3693.4	3798.8	3912.6	3993.3	4027.9	4027.9	4041.1
5°	3072.0	3144.6	3220.4	3306.1	3449.5	3625.8	3828.5	3995.0	4090.6	4105.4	4103.7
7.5°	2730.9	2780.3	2857.8	2953.4	3085.2	3243.4	3503.8	3764.2	3937.3	3968.6	3957.1
10°	2430.9	2477.1	2523.2	2559.5	2653.4	2778.7	2969.9	3223.7	3423.1	3454.4	3429.7
12.5°	2277.7	2292.5	2290.8	2312.3	2350.2	2412.8	2510.0	2656.7	2793.5	2823.2	2801.8
15°	2196.9	2175.5	2142.5	2104.6	2101.3	2111.2	2135.9	2195.3	2252.9	2277.7	2261.2
17.5°	2163.9	2112.9	2045.3	1971.1	1921.7	1875.5	1844.2	1824.4	1832.7	1834.3	1821.1
20°	2086.5	2025.5	1916.7	1811.3	1732.1	1651.4	1582.2	1531.1	1522.8	1514.6	1504.7
22.5°	1999.1	1895.3	1765.1	1636.6	1519.5	1412.4	1335.0	1274.0	1250.9	1259.1	1254.2
25°	1981.0	1808.0	1649.7	1442.1	1293.8	1173.4	1028.4	929.5	885.0	909.7	893.3
27.5°	1188.3	1193.2	1104.2	979.0	871.8	801.0	736.7	684.0	654.3	654.3	657.6
30°	1076.2	1028.4	969.1	891.6	797.7	726.8	655.9	598.3	566.9	558.7	562.0
32.5°	983.9	950.9	894.9	820.7	735.0	662.5	588.4	535.6	506.0	504.3	502.7
35°	885.0	850.4	804.3	740.0	665.8	598.3	534.0	487.8	461.5	463.1	463.1
37.5°	817.5	786.1	744.9	684.0	616.4	548.8	491.1	448.3	426.9	426.9	425.2
40°	782.8	746.6	702.1	646.1	583.4	512.6	458.2	417.0	398.8	398.8	397.2
42.5°	707.0	675.7	646.1	588.4	525.7	468.1	417.0	380.7	362.6	362.6	362.6
45°	599.9	581.8	558.7	519.1	468.1	420.3	377.4	342.8	328.0	326.3	326.3
47.5°	553.8	534.0	506.0	469.7	428.5	384.0	342.8	318.1	303.2	303.2	303.2
50°	540.6	517.5	479.6	436.7	393.9	354.3	318.1	295.0	281.8	281.8	283.5
52.5°	558.7	520.8	469.7	417.0	372.5	328.0	296.7	273.6	263.7	263.7	262.0
55°	621.3	550.5	476.3	412.0	356.0	308.2	275.2	250.5	239.0	239.0	239.0
57.5°	655.9	571.9	481.2	405.4	341.2	293.4	258.8	232.4	220.8	220.8	220.8
60°	616.4	547.2	461.5	392.2	329.6	280.2	243.9	219.2	207.7	206.0	204.4
62.5°	515.9	473.0	412.0	354.3	304.9	262.0	232.4	207.7	196.1	196.1	194.5
65°	459.8	423.6	370.8	321.4	280.2	243.9	215.9	196.1	184.6	182.9	182.9
67.5°	428.5	395.5	342.8	296.7	258.8	225.8	199.4	181.3	173.0	169.8	169.8
70°	393.9	357.6	311.5	270.3	235.7	206.0	184.6	166.5	158.2	156.6	154.9
72.5°	359.3	326.3	283.5	243.9	212.6	187.9	168.1	151.6	143.4	141.7	141.7
75°	323.0	291.7	250.5	217.5	191.2	168.1	150.0	136.8	130.2	128.6	126.9
77.5°	293.4	265.3	225.8	194.5	169.8	151.6	135.1	123.6	117.0	117.0	115.4
80°	265.3	239.0	201.1	173.0	151.6	133.5	120.3	110.4	105.5	103.8	103.8
82.5°	239.0	212.6	178.0	153.3	133.5	118.7	105.5	97.2	92.3	92.3	92.3
85°	214.3	189.5	158.2	135.1	117.0	103.8	92.3	84.1	80.8	79.1	80.8
87.5°	189.5	166.5	140.1	118.7	102.2	89.0	79.1	72.5	69.2	69.2	69.2
90°	166.5	145.0	120.3	100.5	87.3	75.8	67.6	61.0	59.3	57.7	57.7
92.5°	146.7	128.6	107.1	90.6	77.5	69.2	61.0	56.0	52.7	52.7	52.7
95°	128.6	112.1	95.6	80.8	70.9	62.6	56.0	51.1	49.4	49.4	49.4
97.5°	110.4	97.2	84.1	72.5	64.3	57.7	51.1	47.8	46.1	44.5	46.1
100°	92.3	82.4	72.5	64.3	57.7	51.1	46.1	42.9	41.2	41.2	41.2
102.5°	74.2	69.2	61.0	54.4	49.4	46.1	41.2	37.9	36.3	36.3	36.3
105°	64.3	59.3	54.4	49.4	46.1	41.2	37.9	34.6	33.0	33.0	33.0
107.5°	59.3	56.0	51.1	47.8	42.9	39.6	36.3	31.3	29.7	29.7	29.7
110°	57.7	54.4	51.1	46.1	42.9	39.6	36.3	29.7	28.0	28.0	28.0



REPORT NUMBER: P691214

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7050-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	57.7	54.4	51.1	47.8	44.5	39.6	36.3	29.7	26.4	26.4	26.4
115°	61.0	57.7	54.4	51.1	46.1	41.2	37.9	29.7	26.4	26.4	26.4
117.5°	65.9	62.6	59.3	54.4	49.4	44.5	37.9	29.7	28.0	28.0	28.0
120°	74.2	70.9	65.9	61.0	54.4	47.8	41.2	31.3	26.4	28.0	28.0
122.5°	85.7	82.4	75.8	67.6	61.0	52.7	42.9	33.0	24.7	28.0	28.0
125°	102.2	97.2	87.3	77.5	67.6	57.7	46.1	34.6	26.4	29.7	29.7
127.5°	120.3	113.7	100.5	87.3	75.8	62.6	49.4	36.3	28.0	29.7	29.7
130°	141.7	130.2	113.7	97.2	82.4	67.6	52.7	37.9	29.7	29.7	29.7
132.5°	163.2	146.7	125.3	107.1	89.0	70.9	54.4	37.9	29.7	29.7	29.7
135°	181.3	161.5	136.8	113.7	92.3	72.5	56.0	37.9	29.7	29.7	29.7
137.5°	197.8	171.4	143.4	117.0	93.9	72.5	54.4	37.9	28.0	28.0	28.0
140°	206.0	176.3	146.7	117.0	92.3	70.9	51.1	34.6	26.4	26.4	26.4
142.5°	206.0	174.7	143.4	113.7	89.0	67.6	47.8	33.0	23.1	24.7	24.7
145°	199.4	168.1	136.8	107.1	82.4	61.0	42.9	28.0	21.4	21.4	21.4
147.5°	184.6	154.9	125.3	97.2	74.2	52.7	37.9	24.7	18.1	16.5	18.1
150°	164.8	136.8	108.8	84.1	62.6	44.5	31.3	19.8	14.8	14.8	14.8
152.5°	138.4	113.7	90.6	69.2	49.4	34.6	23.1	14.8	11.5	11.5	11.5
155°	108.8	89.0	70.9	52.7	37.9	26.4	18.1	11.5	8.2	8.2	8.2
157.5°	82.4	67.6	52.7	37.9	28.0	19.8	13.2	8.2	6.6	6.6	6.6
160°	57.7	46.1	36.3	26.4	18.1	13.2	8.2	4.9	3.3	3.3	3.3
162.5°	36.3	29.7	23.1	14.8	11.5	8.2	4.9	3.3	1.6	1.6	1.6
165°	16.5	14.8	9.9	6.6	4.9	3.3	1.6	1.6	0.0	0.0	0.0
167.5°	4.9	3.3	3.3	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)