

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: P691314

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691314
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-D-U-T2-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3210 lumens
Efficiency: N/A
Efficacy: 107.4 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



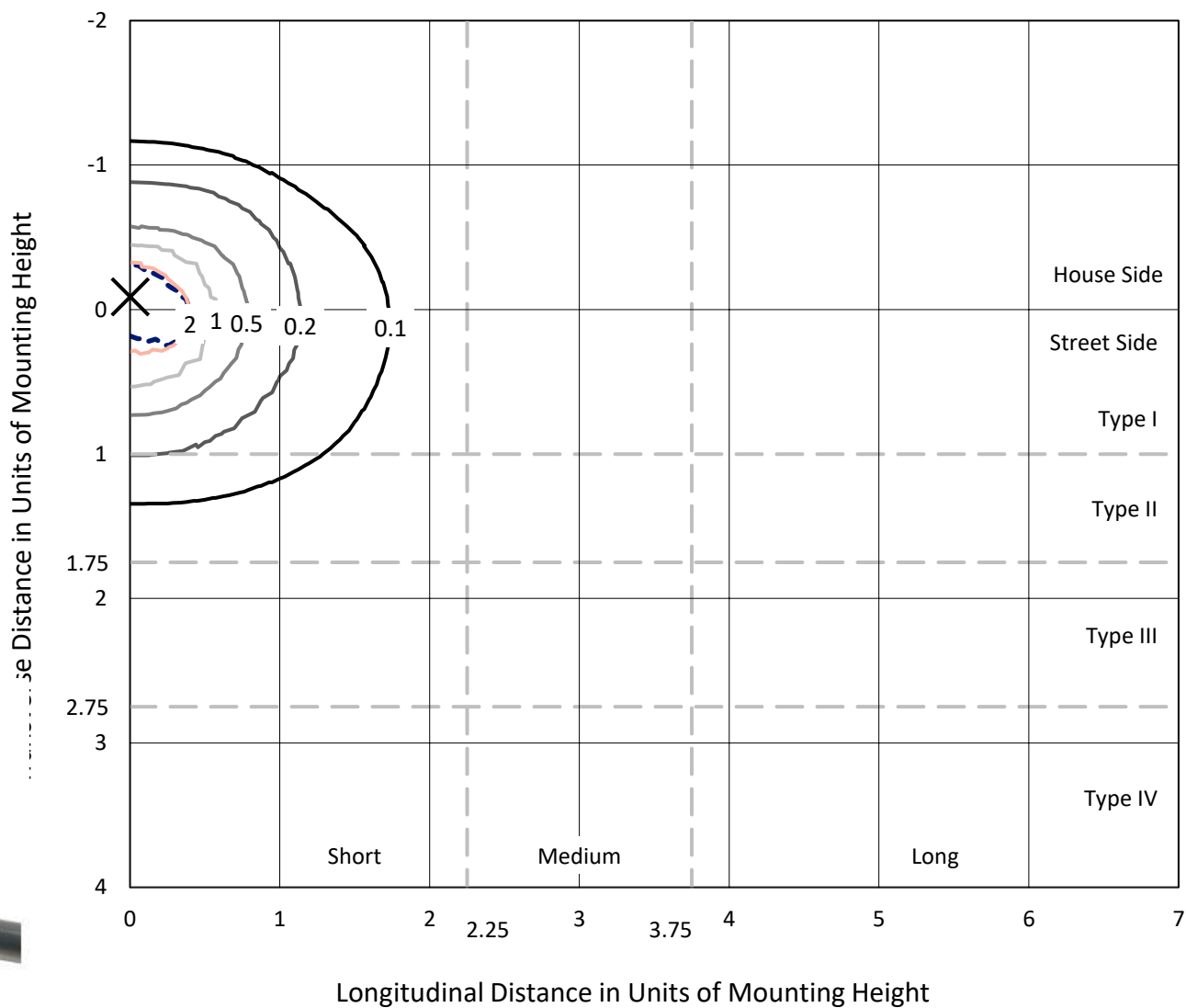
REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

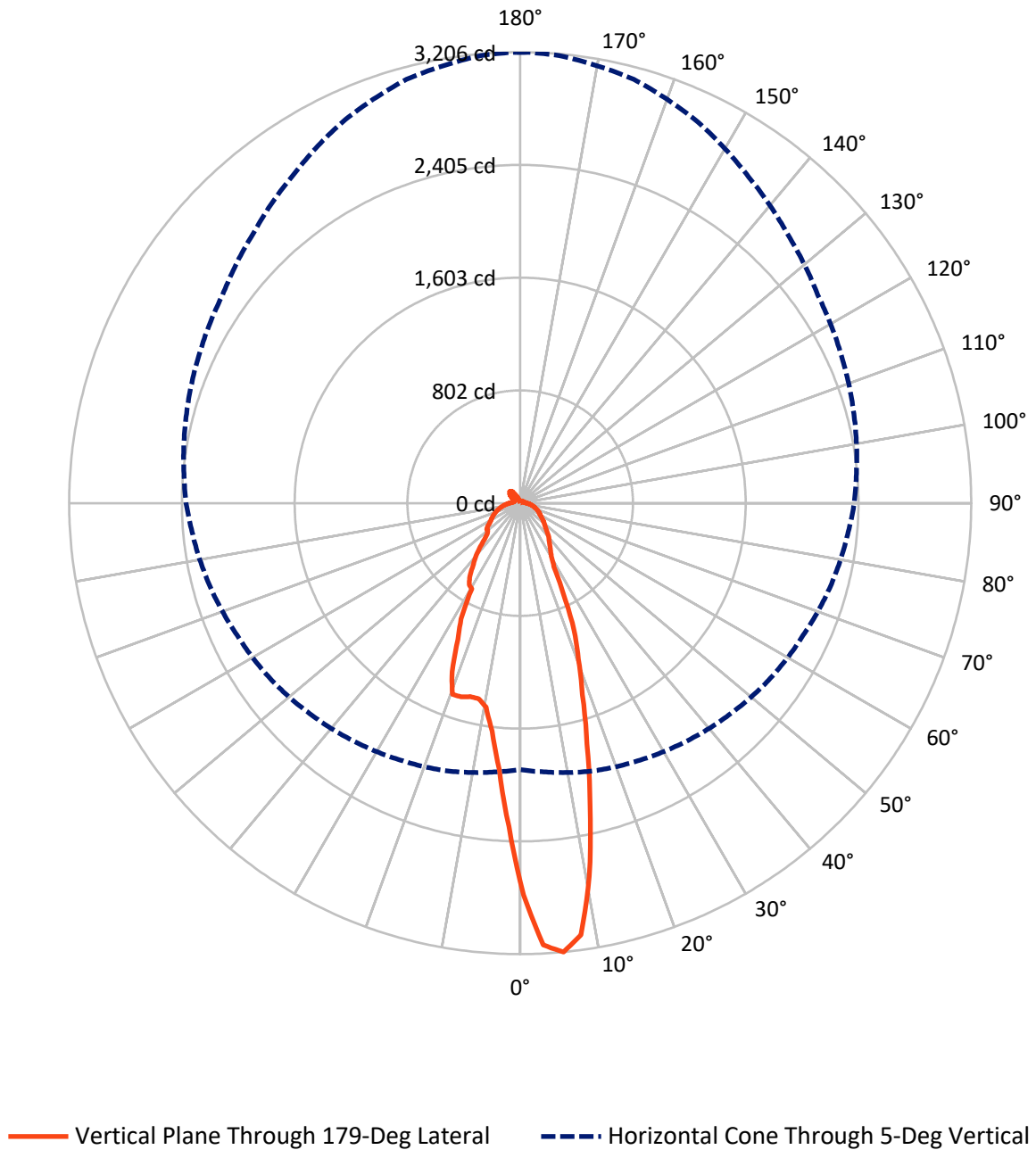


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - N/A

REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

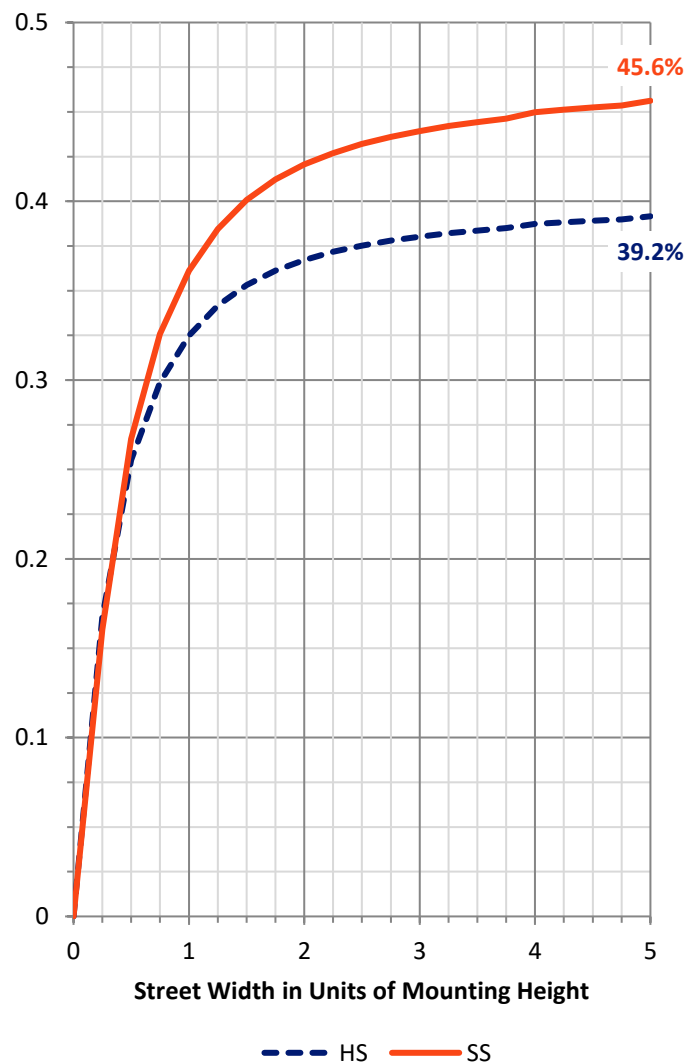
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.7	157.1	1448.8
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1499.3	261.9	1761.2
	% Fixture	46.7	8.2	54.9
Total	Lumens	2791.0	419.0	3210.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	6.8
10°-20°	464.6	14.5
20°-30°	504.7	15.7
30°-40°	373.6	11.6
40°-50°	312.9	9.7
50°-60°	314.6	9.8
60°-70°	267.8	8.3
70°-80°	200.0	6.2
80°-90°	135.0	4.2
90°-100°	80.7	2.5
100°-110°	46.6	1.5
110°-120°	42.9	1.3
120°-130°	62.1	1.9
130°-140°	85.0	2.6
140°-150°	70.0	2.2
150°-160°	28.2	0.9
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-90°	2791.0	86.9
0°-180°	3210.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691314

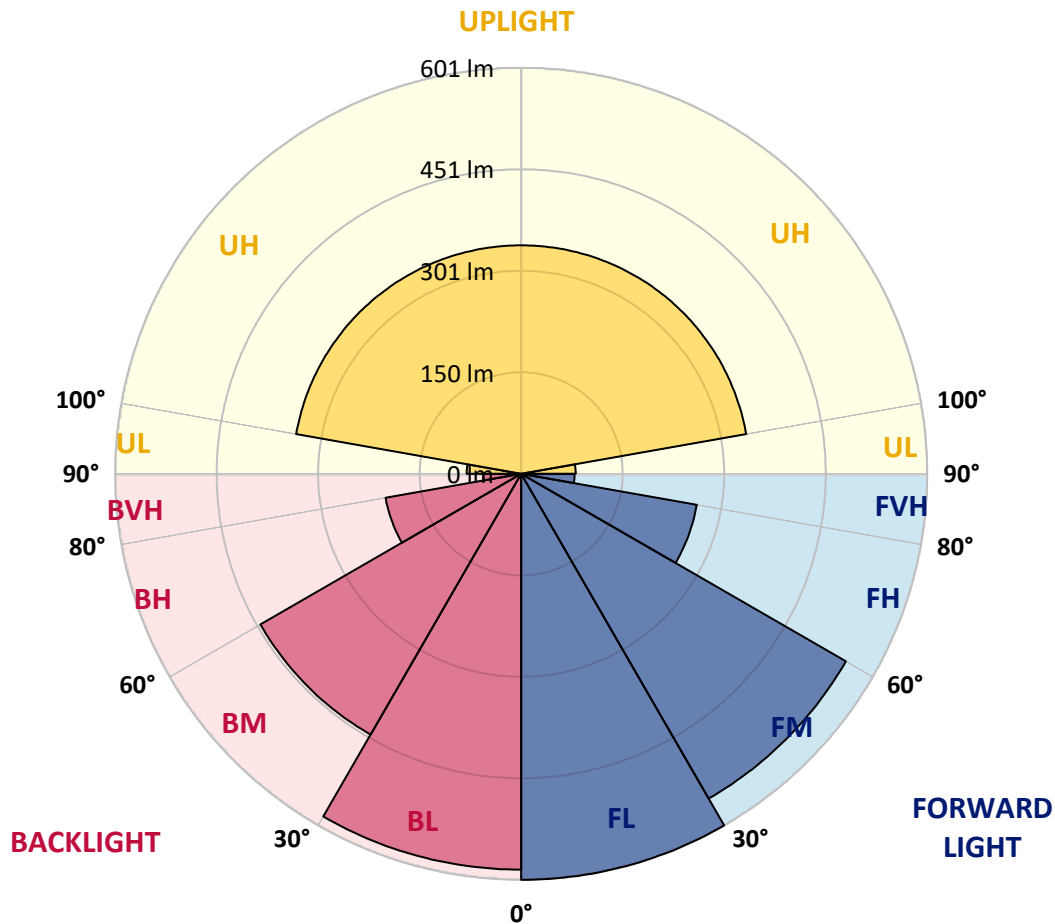
CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	601.1	18.7			
FM	(30°-60°)	555.1	17.3			
FH	(60°-80°)	264.0	8.2			G0/660
FVH	(80°-90°)	79.1	2.5			G1/100
BL	(0°-30°)	586.0	18.3	B2/1000		
BM	(30°-60°)	445.9	13.9	B1/1000		
BH	(60°-80°)	203.8	6.3	B1/500		G1/500
BVH	(80°-90°)	56.0	1.7			G1/100
UL	(90°-100°)	80.7	2.5		U3/500	
UH	(100°-180°)	338.2	10.5		U3/500	

BUG Rating: B2-U3-G1

Type I Short



REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5
2.5°	2296.4	2309.2	2337.5	2351.7	2365.9	2383.9	2410.9	2431.5	2479.1	2522.9	2540.9
5°	1894.7	1917.9	1972.0	2015.7	2064.7	2116.1	2171.5	2220.4	2283.5	2341.4	2374.9
7.5°	1628.3	1647.6	1712.0	1796.9	1883.2	1955.2	2011.9	2049.2	2077.5	2100.7	2125.2
10°	1466.1	1482.8	1547.2	1623.2	1696.5	1763.5	1811.1	1847.1	1857.4	1880.6	1892.2
12.5°	1419.8	1427.5	1472.5	1525.3	1570.4	1636.0	1692.7	1731.3	1748.0	1768.6	1775.0
15°	1421.1	1421.1	1446.8	1480.3	1521.5	1571.7	1634.7	1681.1	1705.5	1717.1	1715.8
17.5°	1440.4	1439.1	1450.7	1477.7	1512.5	1562.7	1627.0	1674.6	1703.0	1706.8	1703.0
20°	1440.4	1441.7	1445.5	1476.4	1509.9	1554.9	1620.6	1660.5	1682.4	1670.8	1657.9
22.5°	1293.6	1292.3	1325.8	1391.5	1481.6	1575.5	1634.7	1683.6	1688.8	1646.3	1611.6
25°	1068.4	1059.4	1078.7	1108.3	1168.8	1278.2	1401.8	1587.1	1697.8	1673.4	1620.6
27.5°	926.8	915.2	931.9	919.1	912.6	904.9	897.2	875.3	889.5	902.3	959.0
30°	698.9	701.5	705.4	713.1	728.6	759.4	791.6	810.9	827.7	861.1	857.3
32.5°	683.5	682.2	683.5	691.2	698.9	718.3	737.6	747.9	760.7	792.9	785.2
35°	632.0	629.4	638.4	642.3	641.0	646.2	665.5	677.1	688.6	709.2	701.5
37.5°	556.1	558.6	578.0	588.2	592.1	603.7	619.1	629.4	643.6	659.0	655.2
40°	499.4	498.1	518.7	532.9	541.9	559.9	583.1	598.5	621.7	634.6	625.6
42.5°	429.9	435.1	450.5	464.7	467.3	476.3	496.9	514.9	543.2	562.5	557.4
45°	361.7	365.6	378.4	390.0	399.0	410.6	426.1	441.5	464.7	480.1	478.8
47.5°	319.2	323.1	333.4	347.5	360.4	377.1	392.6	408.0	429.9	441.5	437.6
50°	302.5	305.1	316.6	332.1	351.4	372.0	392.6	409.3	429.9	437.6	431.2
52.5°	301.2	301.2	315.4	338.5	365.6	393.9	420.9	444.1	463.4	463.4	450.5
55°	283.2	285.8	303.8	334.7	375.9	422.2	469.8	513.6	539.3	534.2	509.7
57.5°	257.4	258.7	278.0	307.6	351.4	408.0	472.4	527.7	558.6	565.1	539.3
60°	242.0	243.3	256.2	284.5	321.8	366.9	426.1	469.8	500.7	520.0	499.4
62.5°	229.1	229.1	242.0	261.3	292.2	325.7	359.1	388.7	413.2	427.3	415.8
65°	215.0	215.0	224.0	242.0	266.4	298.6	324.4	346.3	368.1	378.4	368.1
67.5°	200.8	200.8	209.8	226.5	248.4	275.5	301.2	321.8	343.7	351.4	343.7
70°	186.6	186.6	195.7	209.8	230.4	256.2	275.5	297.3	317.9	323.1	316.6
72.5°	172.5	172.5	181.5	194.4	212.4	236.8	254.9	271.6	290.9	294.8	288.3
75°	159.6	159.6	166.0	178.9	195.7	217.5	235.6	251.0	266.4	266.4	261.3
77.5°	145.5	146.7	151.9	163.5	178.9	199.5	216.2	230.4	243.3	243.3	236.8
80°	131.3	132.6	137.7	148.0	162.2	181.5	196.9	209.8	221.4	221.4	215.0
82.5°	117.1	118.4	123.6	132.6	145.5	163.5	178.9	191.8	202.1	200.8	194.4
85°	104.3	105.5	109.4	117.1	128.7	146.7	160.9	172.5	181.5	180.2	175.1
87.5°	91.4	92.7	96.5	103.0	113.3	130.0	144.2	154.5	162.2	160.9	155.8
90°	79.8	79.8	83.7	90.1	99.1	113.3	126.1	135.2	142.9	140.3	135.2
92.5°	69.5	70.8	73.4	78.5	86.2	99.1	110.7	118.4	126.1	124.9	119.7
95°	61.8	61.8	64.4	68.2	74.7	85.0	96.5	103.0	108.1	108.1	104.3
97.5°	54.1	55.3	56.6	59.2	64.4	72.1	81.1	87.5	91.4	91.4	88.8
100°	48.9	50.2	50.2	52.8	55.3	60.5	66.9	72.1	75.9	75.9	74.7
102.5°	46.3	46.3	46.3	47.6	48.9	51.5	55.3	57.9	60.5	61.8	60.5
105°	43.8	43.8	43.8	45.1	45.1	47.6	48.9	51.5	52.8	52.8	51.5
107.5°	42.5	42.5	43.8	43.8	43.8	45.1	47.6	47.6	48.9	47.6	47.6
110°	43.8	43.8	43.8	43.8	43.8	45.1	46.3	46.3	46.3	46.3	45.1

REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	45.1	45.1	45.1	45.1	46.3	46.3	46.3	47.6	47.6	46.3	46.3
115°	48.9	48.9	48.9	48.9	48.9	50.2	50.2	50.2	50.2	48.9	47.6
117.5°	52.8	52.8	52.8	54.1	54.1	55.3	54.1	55.3	54.1	52.8	52.8
120°	59.2	59.2	60.5	61.8	63.1	63.1	61.8	63.1	63.1	60.5	59.2
122.5°	66.9	66.9	68.2	72.1	73.4	74.7	73.4	73.4	73.4	70.8	69.5
125°	74.7	75.9	78.5	83.7	87.5	90.1	87.5	88.8	88.8	85.0	83.7
127.5°	83.7	85.0	90.1	97.8	104.3	106.8	105.5	106.8	108.1	101.7	99.1
130°	92.7	92.7	100.4	112.0	121.0	124.9	126.1	127.4	128.7	122.3	117.1
132.5°	100.4	100.4	110.7	124.9	136.4	142.9	145.5	148.0	150.6	141.6	135.2
135°	105.5	106.8	119.7	136.4	150.6	159.6	163.5	166.0	169.9	159.6	151.9
137.5°	109.4	112.0	124.9	142.9	158.3	171.2	178.9	182.8	185.4	175.1	164.8
140°	110.7	112.0	126.1	144.2	159.6	173.8	185.4	191.8	193.1	182.8	172.5
142.5°	106.8	109.4	122.3	140.3	155.8	171.2	184.1	190.5	191.8	182.8	172.5
145°	101.7	103.0	114.6	131.3	146.7	163.5	177.6	184.1	184.1	176.3	166.0
147.5°	92.7	94.0	104.3	118.4	133.9	150.6	164.8	171.2	172.5	164.8	155.8
150°	79.8	81.1	88.8	100.4	115.8	132.6	145.5	153.2	153.2	145.5	139.0
152.5°	64.4	65.6	72.1	81.1	94.0	109.4	121.0	128.7	128.7	123.6	115.8
155°	50.2	50.2	55.3	63.1	72.1	83.7	92.7	99.1	100.4	95.3	90.1
157.5°	36.0	36.0	39.9	46.3	54.1	63.1	69.5	74.7	74.7	70.8	68.2
160°	24.5	24.5	27.0	30.9	36.0	42.5	47.6	52.8	52.8	50.2	47.6
162.5°	12.9	12.9	15.4	18.0	21.9	27.0	29.6	33.5	33.5	32.2	30.9
165°	3.9	3.9	5.1	6.4	9.0	11.6	12.9	15.4	16.7	15.4	14.2
167.5°	0.0	0.0	1.3	1.3	1.3	1.3	2.6	3.9	3.9	3.9	3.9
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: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5
2.5°	2560.2	2641.3	2714.7	2790.6	2884.6	2967.0	3055.8	3118.9	3145.9	3145.9	3156.2
5°	2399.3	2456.0	2515.2	2582.1	2694.1	2831.8	2990.2	3120.2	3194.8	3206.4	3205.1
7.5°	2132.9	2171.5	2232.0	2306.7	2409.6	2533.2	2736.6	2940.0	3075.1	3099.6	3090.6
10°	1898.6	1934.7	1970.7	1999.0	2072.4	2170.2	2319.5	2517.8	2673.5	2698.0	2678.7
12.5°	1778.9	1790.5	1789.2	1805.9	1835.5	1884.5	1960.4	2075.0	2181.8	2205.0	2188.2
15°	1715.8	1699.1	1673.4	1643.7	1641.2	1648.9	1668.2	1714.5	1759.6	1778.9	1766.0
17.5°	1690.1	1650.2	1597.4	1539.5	1500.9	1464.8	1440.4	1424.9	1431.4	1432.6	1422.3
20°	1629.6	1582.0	1497.0	1414.6	1352.8	1289.8	1235.7	1195.8	1189.4	1182.9	1175.2
22.5°	1561.4	1480.3	1378.6	1278.2	1186.8	1103.1	1042.6	995.0	977.0	983.4	979.6
25°	1547.2	1412.1	1288.5	1126.3	1010.4	916.5	803.2	726.0	691.2	710.5	697.7
27.5°	928.1	931.9	862.4	764.6	680.9	625.6	575.4	534.2	511.0	511.0	513.6
30°	840.5	803.2	756.9	696.4	623.0	567.7	512.3	467.3	442.8	436.4	438.9
32.5°	768.5	742.7	698.9	641.0	574.1	517.5	459.5	418.3	395.2	393.9	392.6
35°	691.2	664.2	628.2	578.0	520.0	467.3	417.1	381.0	360.4	361.7	361.7
37.5°	638.4	614.0	581.8	534.2	481.4	428.6	383.6	350.1	333.4	333.4	332.1
40°	611.4	583.1	548.3	504.6	455.7	400.3	357.8	325.7	311.5	311.5	310.2
42.5°	552.2	527.7	504.6	459.5	410.6	365.6	325.7	297.3	283.2	283.2	283.2
45°	468.5	454.4	436.4	405.5	365.6	328.2	294.8	267.7	256.2	254.9	254.9
47.5°	432.5	417.1	395.2	366.9	334.7	299.9	267.7	248.4	236.8	236.8	236.8
50°	422.2	404.2	374.6	341.1	307.6	276.7	248.4	230.4	220.1	220.1	221.4
52.5°	436.4	406.8	366.9	325.7	290.9	256.2	231.7	213.7	206.0	206.0	204.7
55°	485.3	429.9	372.0	321.8	278.0	240.7	215.0	195.7	186.6	186.6	186.6
57.5°	512.3	446.7	375.9	316.6	266.4	229.1	202.1	181.5	172.5	172.5	172.5
60°	481.4	427.3	360.4	306.4	257.4	218.8	190.5	171.2	162.2	160.9	159.6
62.5°	402.9	369.4	321.8	276.7	238.1	204.7	181.5	162.2	153.2	153.2	151.9
65°	359.1	330.8	289.6	251.0	218.8	190.5	168.6	153.2	144.2	142.9	142.9
67.5°	334.7	308.9	267.7	231.7	202.1	176.3	155.8	141.6	135.2	132.6	132.6
70°	307.6	279.3	243.3	211.1	184.1	160.9	144.2	130.0	123.6	122.3	121.0
72.5°	280.6	254.9	221.4	190.5	166.0	146.7	131.3	118.4	112.0	110.7	110.7
75°	252.3	227.8	195.7	169.9	149.3	131.3	117.1	106.8	101.7	100.4	99.1
77.5°	229.1	207.2	176.3	151.9	132.6	118.4	105.5	96.5	91.4	91.4	90.1
80°	207.2	186.6	157.0	135.2	118.4	104.3	94.0	86.2	82.4	81.1	81.1
82.5°	186.6	166.0	139.0	119.7	104.3	92.7	82.4	75.9	72.1	72.1	72.1
85°	167.3	148.0	123.6	105.5	91.4	81.1	72.1	65.6	63.1	61.8	63.1
87.5°	148.0	130.0	109.4	92.7	79.8	69.5	61.8	56.6	54.1	54.1	54.1
90°	130.0	113.3	94.0	78.5	68.2	59.2	52.8	47.6	46.3	45.1	45.1
92.5°	114.6	100.4	83.7	70.8	60.5	54.1	47.6	43.8	41.2	41.2	41.2
95°	100.4	87.5	74.7	63.1	55.3	48.9	43.8	39.9	38.6	38.6	38.6
97.5°	86.2	75.9	65.6	56.6	50.2	45.1	39.9	37.3	36.0	34.8	36.0
100°	72.1	64.4	56.6	50.2	45.1	39.9	36.0	33.5	32.2	32.2	32.2
102.5°	57.9	54.1	47.6	42.5	38.6	36.0	32.2	29.6	28.3	28.3	28.3
105°	50.2	46.3	42.5	38.6	36.0	32.2	29.6	27.0	25.7	25.7	25.7
107.5°	46.3	43.8	39.9	37.3	33.5	30.9	28.3	24.5	23.2	23.2	23.2
110°	45.1	42.5	39.9	36.0	33.5	30.9	28.3	23.2	21.9	21.9	21.9

REPORT NUMBER: P691314

CATALOG NUMBER: CRTK2-C015-D-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	45.1	42.5	39.9	37.3	34.8	30.9	28.3	23.2	20.6	20.6	20.6
115°	47.6	45.1	42.5	39.9	36.0	32.2	29.6	23.2	20.6	20.6	20.6
117.5°	51.5	48.9	46.3	42.5	38.6	34.8	29.6	23.2	21.9	21.9	21.9
120°	57.9	55.3	51.5	47.6	42.5	37.3	32.2	24.5	20.6	21.9	21.9
122.5°	66.9	64.4	59.2	52.8	47.6	41.2	33.5	25.7	19.3	21.9	21.9
125°	79.8	75.9	68.2	60.5	52.8	45.1	36.0	27.0	20.6	23.2	23.2
127.5°	94.0	88.8	78.5	68.2	59.2	48.9	38.6	28.3	21.9	23.2	23.2
130°	110.7	101.7	88.8	75.9	64.4	52.8	41.2	29.6	23.2	23.2	23.2
132.5°	127.4	114.6	97.8	83.7	69.5	55.3	42.5	29.6	23.2	23.2	23.2
135°	141.6	126.1	106.8	88.8	72.1	56.6	43.8	29.6	23.2	23.2	23.2
137.5°	154.5	133.9	112.0	91.4	73.4	56.6	42.5	29.6	21.9	21.9	21.9
140°	160.9	137.7	114.6	91.4	72.1	55.3	39.9	27.0	20.6	20.6	20.6
142.5°	160.9	136.4	112.0	88.8	69.5	52.8	37.3	25.7	18.0	19.3	19.3
145°	155.8	131.3	106.8	83.7	64.4	47.6	33.5	21.9	16.7	16.7	16.7
147.5°	144.2	121.0	97.8	75.9	57.9	41.2	29.6	19.3	14.2	12.9	14.2
150°	128.7	106.8	85.0	65.6	48.9	34.8	24.5	15.4	11.6	11.6	11.6
152.5°	108.1	88.8	70.8	54.1	38.6	27.0	18.0	11.6	9.0	9.0	9.0
155°	85.0	69.5	55.3	41.2	29.6	20.6	14.2	9.0	6.4	6.4	6.4
157.5°	64.4	52.8	41.2	29.6	21.9	15.4	10.3	6.4	5.1	5.1	5.1
160°	45.1	36.0	28.3	20.6	14.2	10.3	6.4	3.9	2.6	2.6	2.6
162.5°	28.3	23.2	18.0	11.6	9.0	6.4	3.9	2.6	1.3	1.3	1.3
165°	12.9	11.6	7.7	5.1	3.9	2.6	1.3	1.3	0.0	0.0	0.0
167.5°	3.9	2.6	2.6	1.3	1.3	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)