

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: P690914

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690914
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6725 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 60
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



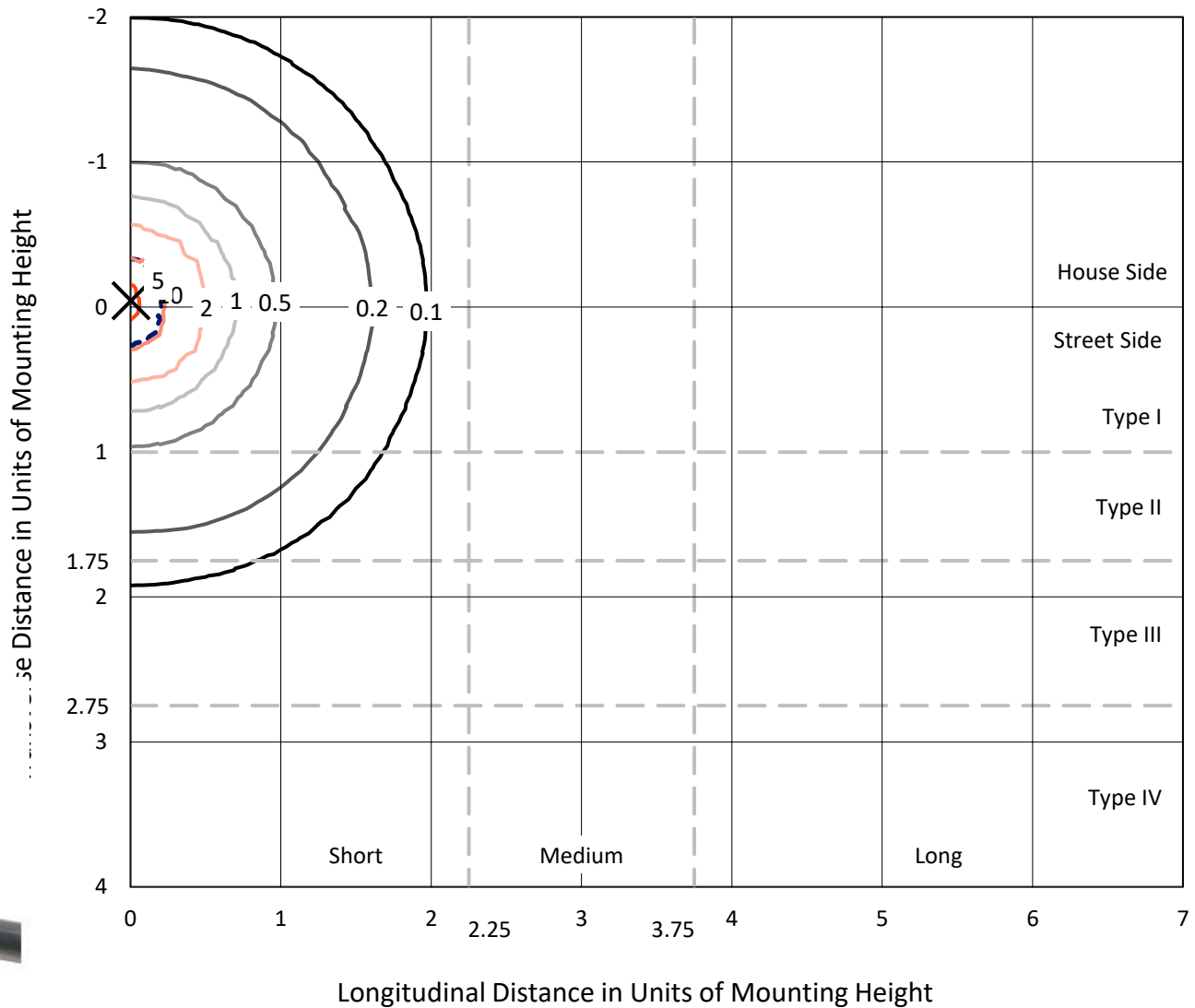
REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

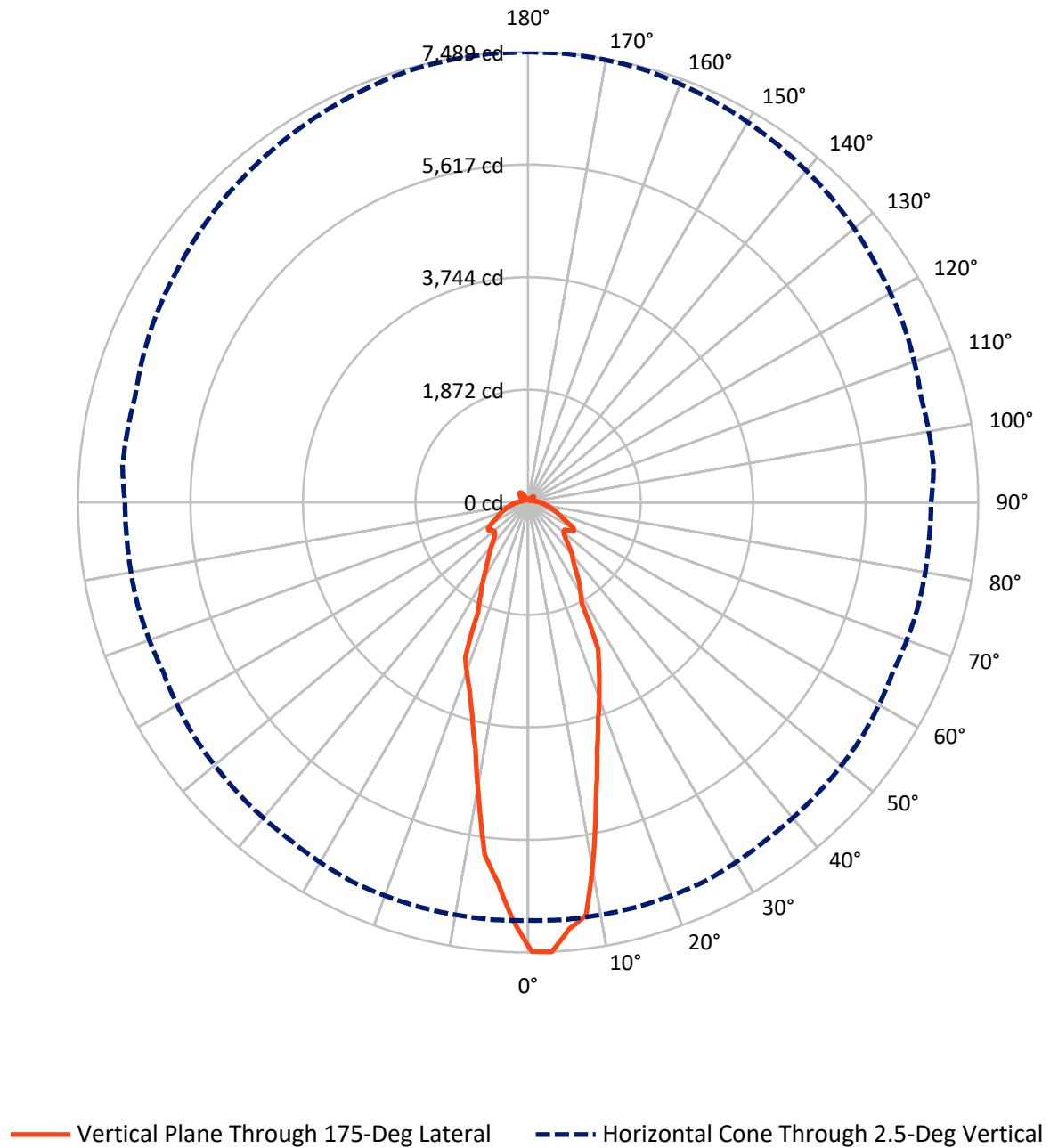


Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type V - Short - N/A

REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

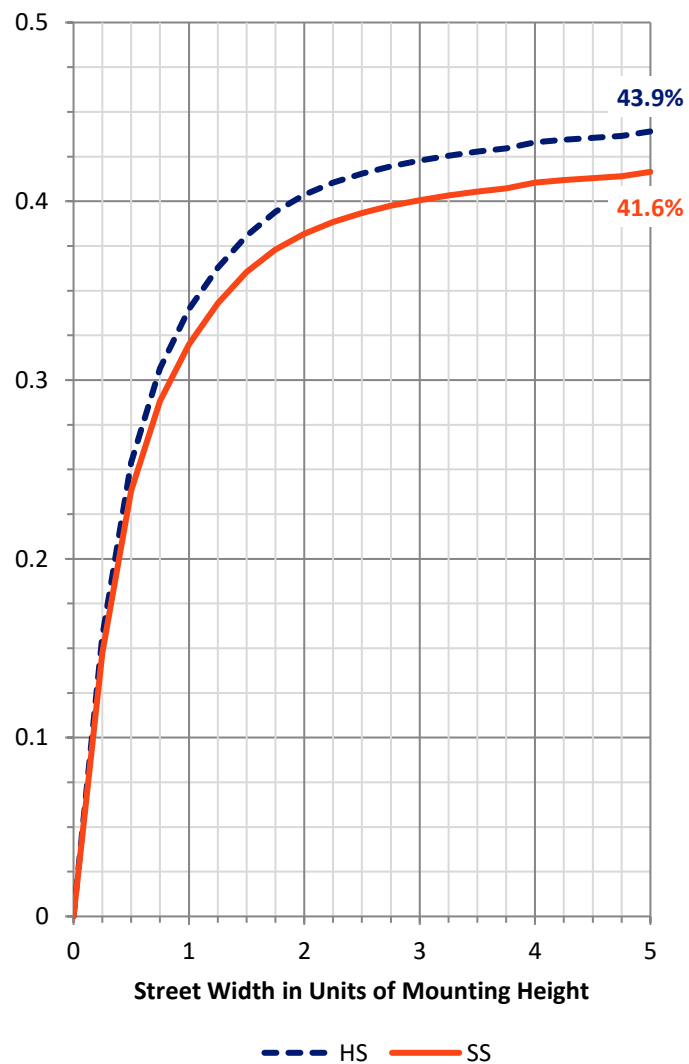
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3043.6	402.1	3445.7
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2866.6	412.6	3279.3
	% Fixture	42.6	6.1	48.8
Total	Lumens	5910.3	814.7	6725.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.4	8.3
10°-20°	976.5	14.5
20°-30°	968.4	14.4
30°-40°	746.5	11.1
40°-50°	640.0	9.5
50°-60°	715.7	10.6
60°-70°	613.2	9.1
70°-80°	422.0	6.3
80°-90°	271.6	4.0
90°-100°	162.8	2.4
100°-110°	96.8	1.4
110°-120°	89.6	1.3
120°-130°	127.9	1.9
130°-140°	165.3	2.5
140°-150°	122.4	1.8
150°-160°	44.7	0.7
160°-170°	5.2	0.1
170°-180°	0.0	0.0
0°-90°	5910.3	87.9
0°-180°	6725.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690914

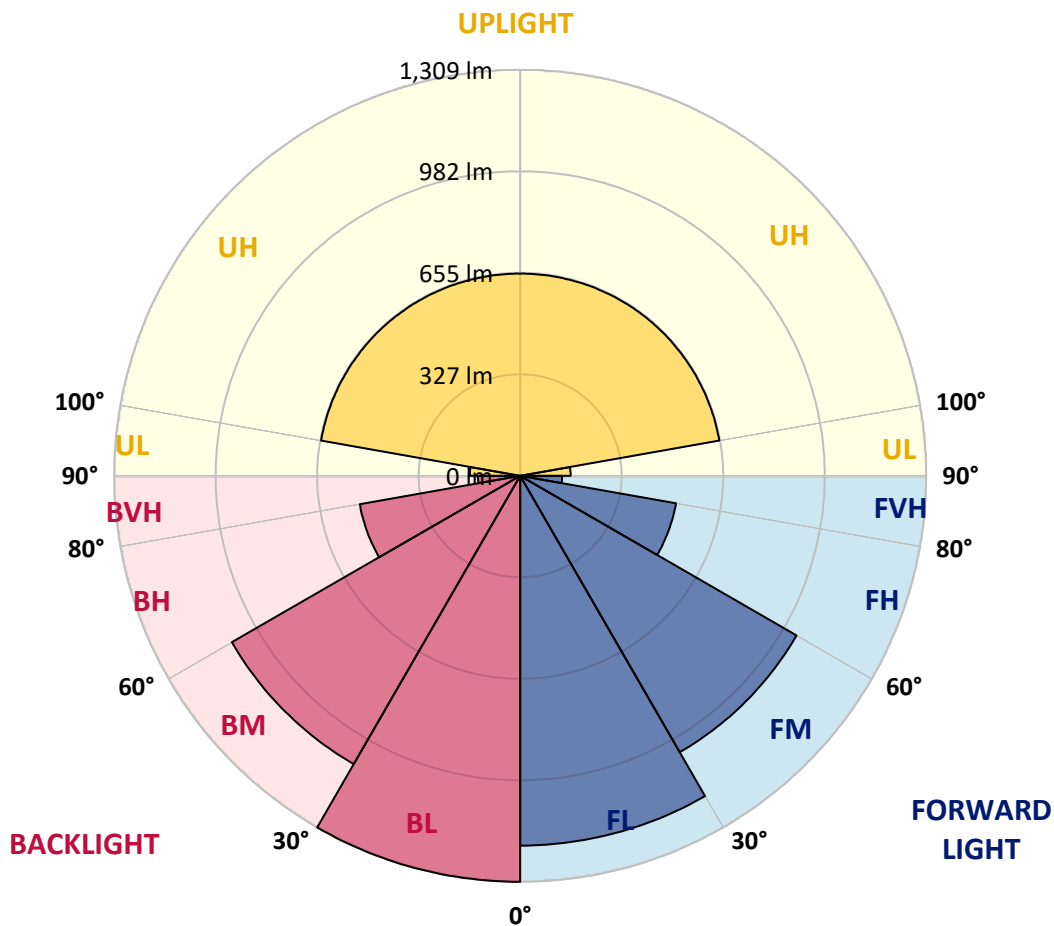
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1192.2	17.7			
FM	(30°-60°)	1028.9	15.3			
FH	(60°-80°)	510.1	7.6			G0/660
FVH	(80°-90°)	135.4	2.0			G2/225
BL	(0°-30°)	1309.1	19.5	B3/2500		
BM	(30°-60°)	1073.3	16.0	B2/2500		
BH	(60°-80°)	525.1	7.8	B2/1000		G0/660
BVH	(80°-90°)	136.2	2.0			G2/225
UL	(90°-100°)	162.8	2.4		U3/500	
UH	(100°-180°)	651.9	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5
2.5°	6957.4	6967.5	6970.0	6957.4	6873.9	6830.9	6785.3	6694.3	6714.5	6701.9	6704.4
5°	6309.7	6350.2	6286.9	6269.2	6142.7	6049.1	5958.0	5859.4	5836.6	5796.1	5811.3
7.5°	5879.6	5902.4	5798.7	5692.4	5490.0	5345.8	5194.0	5042.2	4928.4	4885.3	4903.1
10°	4895.5	4971.4	4867.6	4758.8	4566.6	4394.5	4235.1	4085.9	3982.2	3949.3	3954.3
12.5°	4161.8	4204.8	4116.2	4042.9	3827.8	3663.4	3516.6	3377.5	3294.0	3258.6	3258.6
15°	3676.0	3693.7	3625.4	3483.8	3321.8	3172.6	3048.6	2947.4	2879.1	2866.4	2871.5
17.5°	3309.2	3309.2	3240.9	3129.6	3005.6	2874.0	2788.0	2712.1	2681.8	2691.9	2694.4
20°	3033.4	3035.9	2975.2	2866.4	2760.2	2641.3	2570.4	2517.3	2499.6	2517.3	2519.8
22.5°	2772.8	2785.5	2719.7	2638.7	2522.4	2428.8	2370.6	2312.4	2302.3	2309.9	2309.9
25°	2006.3	2006.3	1983.5	1920.2	1945.5	1955.7	2024.0	2170.7	2140.3	2168.2	2165.6
27.5°	1730.5	1740.6	1695.1	1639.4	1581.2	1512.9	1500.3	1487.6	1475.0	1533.2	1553.4
30°	1528.1	1533.2	1495.2	1457.3	1409.2	1371.2	1361.1	1361.1	1348.5	1394.0	1391.5
32.5°	1335.8	1328.2	1318.1	1282.7	1252.3	1219.4	1227.0	1222.0	1222.0	1262.4	1265.0
35°	1184.0	1181.5	1173.9	1148.6	1118.2	1092.9	1100.5	1105.6	1103.1	1128.4	1128.4
37.5°	1072.7	1075.2	1070.2	1060.1	1029.7	1009.5	1014.5	1009.5	1017.0	1034.8	1034.8
40°	963.9	963.9	966.4	963.9	943.7	936.1	951.3	943.7	961.4	974.0	969.0
42.5°	860.2	862.7	867.8	862.7	850.1	842.5	850.1	852.6	877.9	895.6	893.1
45°	794.4	794.4	796.9	794.4	784.3	776.7	776.7	769.1	786.8	796.9	794.4
47.5°	751.4	751.4	756.5	753.9	748.9	741.3	736.2	726.1	733.7	741.3	733.7
50°	736.2	736.2	746.3	746.3	743.8	736.2	728.6	716.0	718.5	723.6	713.4
52.5°	759.0	759.0	776.7	784.3	784.3	771.6	761.5	743.8	743.8	748.9	733.7
55°	807.1	807.1	834.9	850.1	852.6	852.6	839.9	822.2	824.8	834.9	819.7
57.5°	789.3	791.9	814.6	834.9	847.5	855.1	855.1	845.0	852.6	877.9	870.3
60°	705.9	710.9	726.1	743.8	766.6	774.2	774.2	771.6	784.3	814.6	814.6
62.5°	627.4	630.0	637.5	652.7	665.4	670.4	670.4	660.3	675.5	690.7	685.6
65°	566.7	564.2	579.4	592.0	599.6	607.2	599.6	589.5	597.1	607.2	604.7
67.5°	516.1	516.1	528.8	538.9	543.9	551.5	546.5	541.4	551.5	556.6	551.5
70°	468.0	470.6	480.7	488.3	493.3	500.9	493.3	490.8	500.9	506.0	503.5
72.5°	420.0	422.5	430.1	440.2	445.3	447.8	445.3	442.7	450.3	455.4	455.4
75°	377.0	379.5	384.6	394.7	394.7	399.7	397.2	394.7	402.3	407.3	407.3
77.5°	336.5	341.5	344.1	351.7	354.2	356.7	354.2	354.2	359.3	364.3	366.8
80°	301.1	303.6	306.1	313.7	313.7	316.2	313.7	313.7	318.8	326.4	326.4
82.5°	268.2	270.7	273.2	278.3	275.8	278.3	278.3	278.3	283.4	290.9	290.9
85°	235.3	240.3	240.3	245.4	245.4	245.4	245.4	247.9	250.5	258.1	258.1
87.5°	207.5	210.0	212.5	215.0	215.0	217.6	217.6	220.1	222.6	227.7	230.2
90°	179.6	182.2	184.7	184.7	184.7	187.2	187.2	189.7	192.3	197.3	199.9
92.5°	159.4	161.9	161.9	164.4	164.4	164.4	167.0	169.5	172.0	177.1	177.1
95°	141.7	144.2	144.2	144.2	144.2	146.7	146.7	149.3	151.8	156.9	156.9
97.5°	126.5	126.5	126.5	126.5	126.5	129.0	129.0	131.6	134.1	136.6	136.6
100°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	113.8	113.8	118.9	118.9
102.5°	98.7	98.7	96.1	96.1	96.1	93.6	93.6	96.1	96.1	98.7	98.7
105°	88.5	88.5	88.5	88.5	86.0	86.0	86.0	86.0	86.0	88.5	88.5
107.5°	86.0	86.0	83.5	83.5	83.5	81.0	81.0	81.0	81.0	83.5	83.5
110°	83.5	83.5	83.5	83.5	81.0	81.0	78.4	78.4	78.4	81.0	81.0

REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	86.0	86.0	86.0	83.5	83.5	81.0	81.0	81.0	81.0	81.0	83.5
115°	91.1	88.5	88.5	88.5	88.5	86.0	83.5	83.5	86.0	86.0	86.0
117.5°	98.7	96.1	96.1	98.7	96.1	93.6	91.1	91.1	93.6	93.6	96.1
120°	108.8	106.3	108.8	108.8	108.8	106.3	103.7	101.2	103.7	106.3	106.3
122.5°	121.4	118.9	121.4	124.0	124.0	121.4	116.4	116.4	118.9	121.4	124.0
125°	136.6	136.6	139.1	141.7	144.2	139.1	136.6	134.1	139.1	141.7	141.7
127.5°	154.3	151.8	156.9	164.4	167.0	161.9	156.9	154.3	159.4	164.4	164.4
130°	172.0	169.5	177.1	184.7	189.7	184.7	179.6	177.1	182.2	187.2	187.2
132.5°	187.2	184.7	194.8	204.9	210.0	207.5	202.4	197.3	204.9	210.0	207.5
135°	199.9	199.9	212.5	222.6	227.7	225.2	220.1	215.0	225.2	230.2	225.2
137.5°	207.5	207.5	222.6	232.8	237.8	237.8	235.3	230.2	240.3	242.9	235.3
140°	207.5	210.0	222.6	232.8	235.3	237.8	237.8	235.3	245.4	245.4	237.8
142.5°	199.9	202.4	215.0	225.2	227.7	230.2	232.8	230.2	237.8	237.8	232.8
145°	187.2	189.7	202.4	212.5	212.5	215.0	220.1	217.6	222.6	225.2	220.1
147.5°	169.5	172.0	182.2	187.2	189.7	194.8	199.9	199.9	202.4	204.9	202.4
150°	146.7	146.7	154.3	159.4	161.9	167.0	172.0	174.6	174.6	177.1	174.6
152.5°	116.4	116.4	121.4	126.5	129.0	136.6	139.1	141.7	144.2	146.7	144.2
155°	88.5	88.5	91.1	93.6	96.1	103.7	106.3	108.8	111.3	113.8	111.3
157.5°	63.2	63.2	65.8	68.3	70.8	75.9	78.4	81.0	81.0	83.5	83.5
160°	40.5	43.0	43.0	45.5	45.5	50.6	53.1	53.1	55.7	58.2	58.2
162.5°	20.2	22.8	22.8	25.3	27.8	30.4	32.9	32.9	35.4	35.4	35.4
165°	5.1	7.6	7.6	10.1	10.1	12.6	15.2	15.2	17.7	17.7	17.7
167.5°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	5.1
170°	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	2.5	2.5	2.5
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: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5	7473.5
2.5°	6772.7	6767.6	6906.8	7018.1	7149.7	7253.4	7354.6	7450.7	7488.7	7486.1	7488.7
5°	5879.6	5968.2	6150.3	6330.0	6542.5	6742.3	6929.6	7053.5	7131.9	7131.9	7139.5
7.5°	4984.0	5125.7	5350.9	5636.7	5955.5	6216.1	6532.3	6755.0	6932.1	6927.0	6959.9
10°	4025.2	4136.5	4361.6	4667.8	5019.4	5320.5	5596.3	5803.7	5975.8	5965.6	6008.6
12.5°	3306.7	3385.1	3579.9	3858.2	4179.5	4470.4	4741.1	4903.1	5024.5	5022.0	5044.7
15°	2884.2	2965.1	3091.6	3283.9	3549.5	3807.6	4078.3	4225.0	4293.3	4285.7	4323.7
17.5°	2712.1	2745.0	2823.4	2952.5	3144.7	3354.7	3569.8	3696.3	3774.7	3764.6	3792.4
20°	2527.4	2557.8	2610.9	2707.1	2843.7	3003.1	3185.2	3324.4	3382.6	3380.0	3397.7
22.5°	2314.9	2330.1	2388.3	2464.2	2562.8	2691.9	2831.0	2957.5	3015.7	3013.2	3030.9
25°	2168.2	2193.5	2228.9	2274.4	2342.7	2443.9	2560.3	2648.9	2702.0	2696.9	2719.7
27.5°	1583.8	1609.1	1626.8	1654.6	1657.1	1740.6	1781.1	1854.5	1902.5	1900.0	1915.2
30°	1391.5	1396.5	1411.7	1449.7	1472.4	1538.2	1619.2	1674.8	1715.3	1730.5	1740.6
32.5°	1270.0	1285.2	1302.9	1320.6	1348.5	1388.9	1452.2	1502.8	1545.8	1553.4	1571.1
35°	1130.9	1141.0	1153.7	1171.4	1189.1	1222.0	1270.0	1310.5	1343.4	1356.1	1366.2
37.5°	1032.2	1034.8	1047.4	1067.6	1082.8	1110.7	1153.7	1184.0	1216.9	1219.4	1229.6
40°	966.4	969.0	981.6	999.3	1017.0	1034.8	1072.7	1100.5	1123.3	1125.8	1133.4
42.5°	890.5	898.1	903.2	910.8	923.4	938.6	971.5	986.7	1001.9	1004.4	1014.5
45°	786.8	789.3	794.4	802.0	817.2	832.4	855.1	872.8	883.0	883.0	880.4
47.5°	728.6	731.2	731.2	741.3	753.9	769.1	789.3	804.5	809.6	809.6	809.6
50°	708.4	708.4	703.3	710.9	723.6	733.7	753.9	766.6	769.1	771.6	774.2
52.5°	723.6	718.5	703.3	710.9	723.6	733.7	753.9	759.0	759.0	764.0	766.6
55°	807.1	799.5	769.1	774.2	789.3	802.0	817.2	819.7	824.8	832.4	829.8
57.5°	860.2	865.2	829.8	837.4	865.2	875.4	893.1	890.5	900.7	910.8	913.3
60°	809.6	824.8	796.9	807.1	839.9	845.0	862.7	852.6	867.8	867.8	867.8
62.5°	688.1	693.2	678.0	693.2	723.6	723.6	736.2	728.6	733.7	728.6	731.2
65°	602.1	599.6	581.9	602.1	612.2	617.3	627.4	630.0	630.0	624.9	624.9
67.5°	549.0	543.9	528.8	533.8	543.9	546.5	561.7	564.2	561.7	561.7	564.2
70°	500.9	493.3	478.2	480.7	488.3	490.8	503.5	508.5	506.0	503.5	506.0
72.5°	452.9	445.3	430.1	430.1	437.7	442.7	452.9	457.9	452.9	452.9	455.4
75°	407.3	399.7	384.6	384.6	389.6	392.1	404.8	407.3	404.8	402.3	404.8
77.5°	366.8	361.8	346.6	346.6	349.1	351.7	359.3	361.8	359.3	356.7	359.3
80°	328.9	321.3	311.2	308.7	311.2	311.2	318.8	321.3	316.2	316.2	318.8
82.5°	293.5	285.9	275.8	275.8	273.2	275.8	280.8	283.4	280.8	278.3	280.8
85°	260.6	255.5	245.4	242.9	242.9	242.9	247.9	247.9	245.4	245.4	245.4
87.5°	230.2	225.2	215.0	215.0	212.5	215.0	217.6	217.6	215.0	215.0	215.0
90°	199.9	194.8	187.2	187.2	184.7	187.2	189.7	189.7	187.2	187.2	187.2
92.5°	177.1	174.6	167.0	167.0	164.4	167.0	167.0	167.0	164.4	164.4	164.4
95°	156.9	154.3	149.3	146.7	146.7	146.7	146.7	146.7	144.2	144.2	144.2
97.5°	136.6	134.1	129.0	129.0	126.5	129.0	129.0	129.0	126.5	126.5	126.5
100°	118.9	116.4	113.8	113.8	111.3	111.3	111.3	111.3	111.3	111.3	111.3
102.5°	98.7	98.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
105°	88.5	88.5	88.5	88.5	91.1	91.1	91.1	88.5	88.5	88.5	88.5
107.5°	83.5	83.5	83.5	86.0	86.0	86.0	88.5	83.5	81.0	81.0	81.0
110°	81.0	81.0	83.5	83.5	86.0	86.0	88.5	78.4	75.9	75.9	75.9

REPORT NUMBER: P690914

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	83.5	83.5	83.5	86.0	88.5	88.5	91.1	78.4	75.9	75.9	75.9
115°	88.5	88.5	88.5	91.1	93.6	96.1	96.1	83.5	78.4	78.4	81.0
117.5°	96.1	96.1	96.1	98.7	103.7	103.7	103.7	88.5	86.0	86.0	86.0
120°	106.3	108.8	108.8	111.3	116.4	118.9	113.8	101.2	86.0	93.6	93.6
122.5°	121.4	124.0	126.5	129.0	136.6	136.6	129.0	116.4	93.6	103.7	106.3
125°	141.7	144.2	146.7	151.8	159.4	159.4	149.3	131.6	106.3	116.4	118.9
127.5°	161.9	167.0	169.5	177.1	187.2	187.2	174.6	151.8	118.9	126.5	129.0
130°	184.7	189.7	194.8	204.9	217.6	212.5	202.4	172.0	129.0	134.1	134.1
132.5°	204.9	212.5	215.0	230.2	242.9	237.8	225.2	184.7	134.1	134.1	131.6
135°	220.1	225.2	227.7	242.9	255.5	247.9	232.8	189.7	131.6	126.5	126.5
137.5°	230.2	235.3	237.8	247.9	258.1	245.4	225.2	179.6	126.5	124.0	121.4
140°	235.3	235.3	235.3	242.9	247.9	232.8	207.5	161.9	113.8	118.9	118.9
142.5°	230.2	227.7	225.2	230.2	232.8	215.0	192.3	144.2	103.7	108.8	108.8
145°	217.6	212.5	210.0	212.5	212.5	192.3	167.0	124.0	91.1	93.6	93.6
147.5°	199.9	192.3	187.2	187.2	184.7	164.4	141.7	103.7	78.4	75.9	75.9
150°	172.0	164.4	159.4	159.4	151.8	134.1	113.8	81.0	63.2	63.2	63.2
152.5°	141.7	134.1	129.0	129.0	121.4	103.7	86.0	60.7	48.1	48.1	48.1
155°	111.3	103.7	98.7	96.1	91.1	78.4	63.2	45.5	35.4	35.4	35.4
157.5°	83.5	78.4	73.4	70.8	65.8	58.2	45.5	32.9	22.8	25.3	25.3
160°	58.2	53.1	50.6	48.1	45.5	37.9	30.4	20.2	12.6	12.6	12.6
162.5°	35.4	32.9	32.9	30.4	27.8	25.3	17.7	10.1	5.1	5.1	5.1
165°	17.7	17.7	15.2	15.2	12.6	10.1	7.6	2.5	0.0	0.0	0.0
167.5°	5.1	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
170°	2.5	2.5	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)