

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: P690969

Luminaire Tested: **CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690969  
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-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K 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: 6682 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B3 - U4 - G2  
  
Input Watts (W): 61  
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

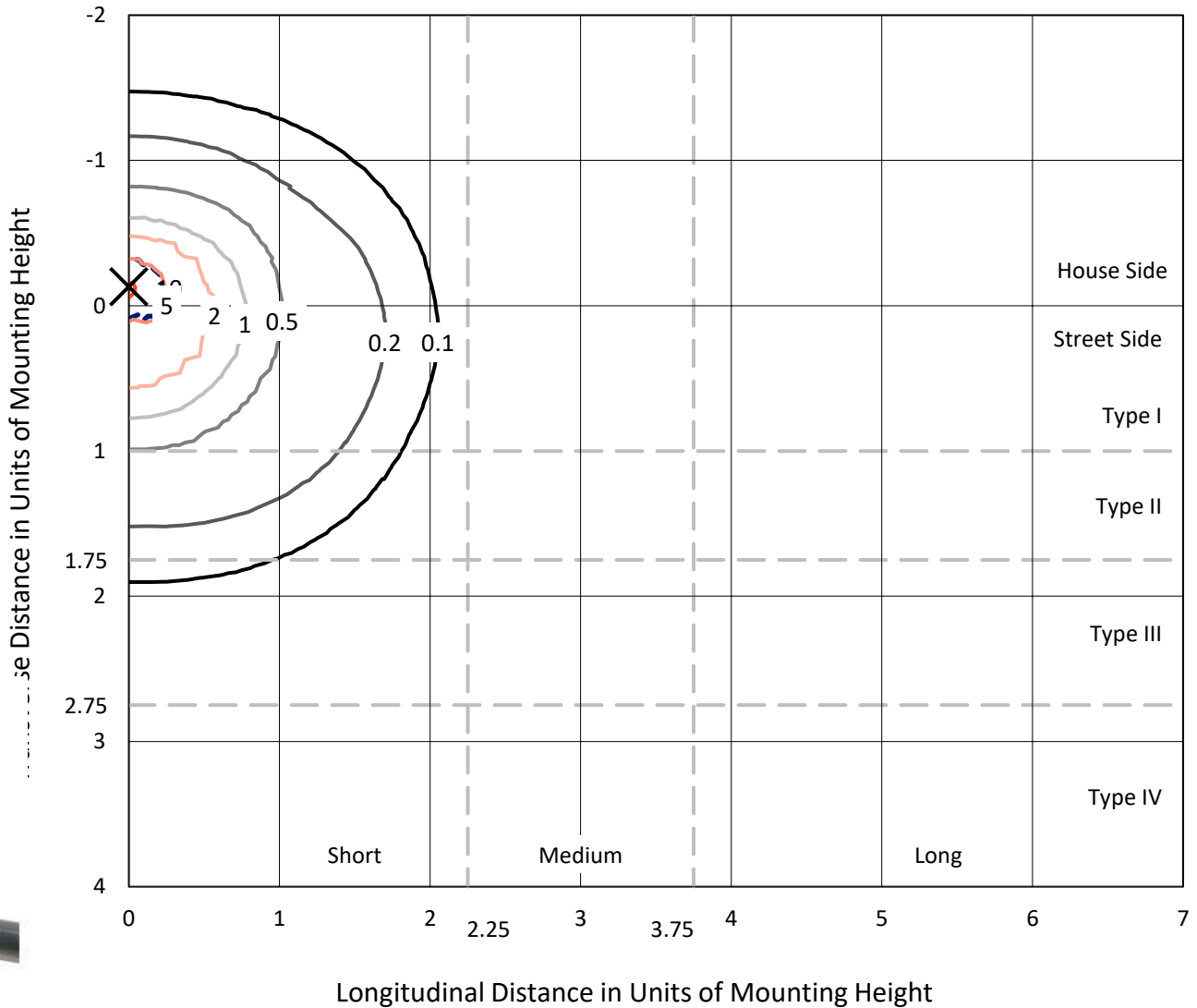


REPORT NUMBER: P690969

CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

### Iso-Footcandle Lines of Horizontal Illumination

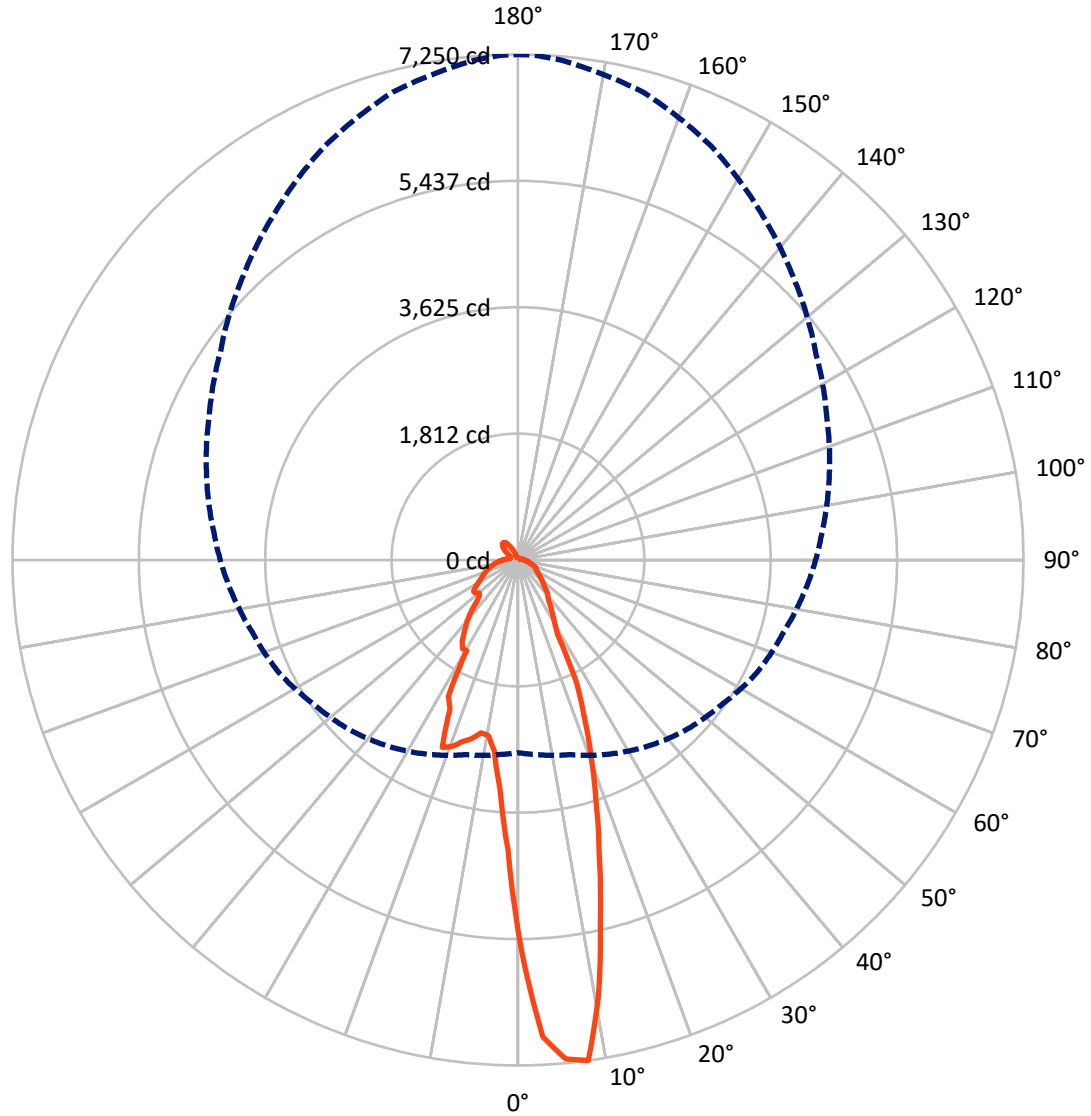
✕ Max cd  
 - - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P690969  
CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

### Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral    - - - Horizontal Cone Through 7.5-Deg Vertical

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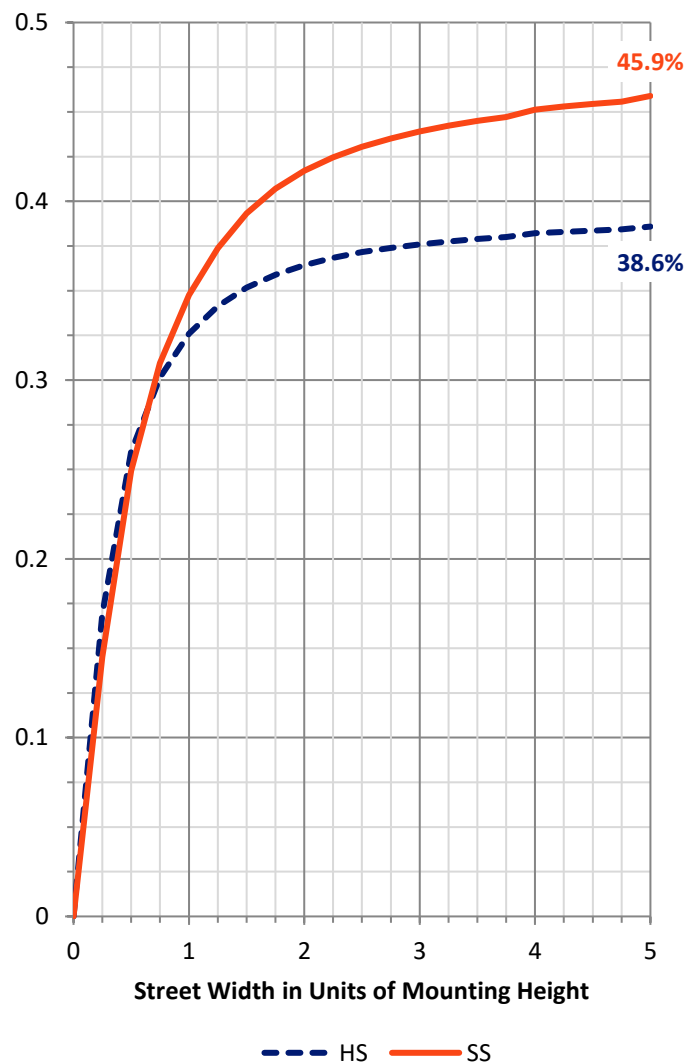
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2645.5	275.9	2921.4
	% Fixture	39.6	4.1	43.7
<b>Street Side</b>	Lumens	3154.7	605.9	3760.6
	% Fixture	47.2	9.1	56.3
<b>Total</b>	Lumens	5800.3	881.7	6682.0
	% Fixture	86.8	13.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.7	6.7
10°-20°	957.7	14.3
20°-30°	1057.6	15.8
30°-40°	767.0	11.5
40°-50°	646.2	9.7
50°-60°	659.7	9.9
60°-70°	562.3	8.4
70°-80°	419.2	6.3
80°-90°	282.9	4.2
90°-100°	169.1	2.5
100°-110°	97.3	1.5
110°-120°	90.9	1.4
120°-130°	132.4	2.0
130°-140°	180.0	2.7
140°-150°	146.5	2.2
150°-160°	58.4	0.9
160°-170°	7.1	0.1
170°-180°	0.0	0.0
0°-90°	5800.3	86.8
0°-180°	6682.0	100.0



REPORT NUMBER: P690969

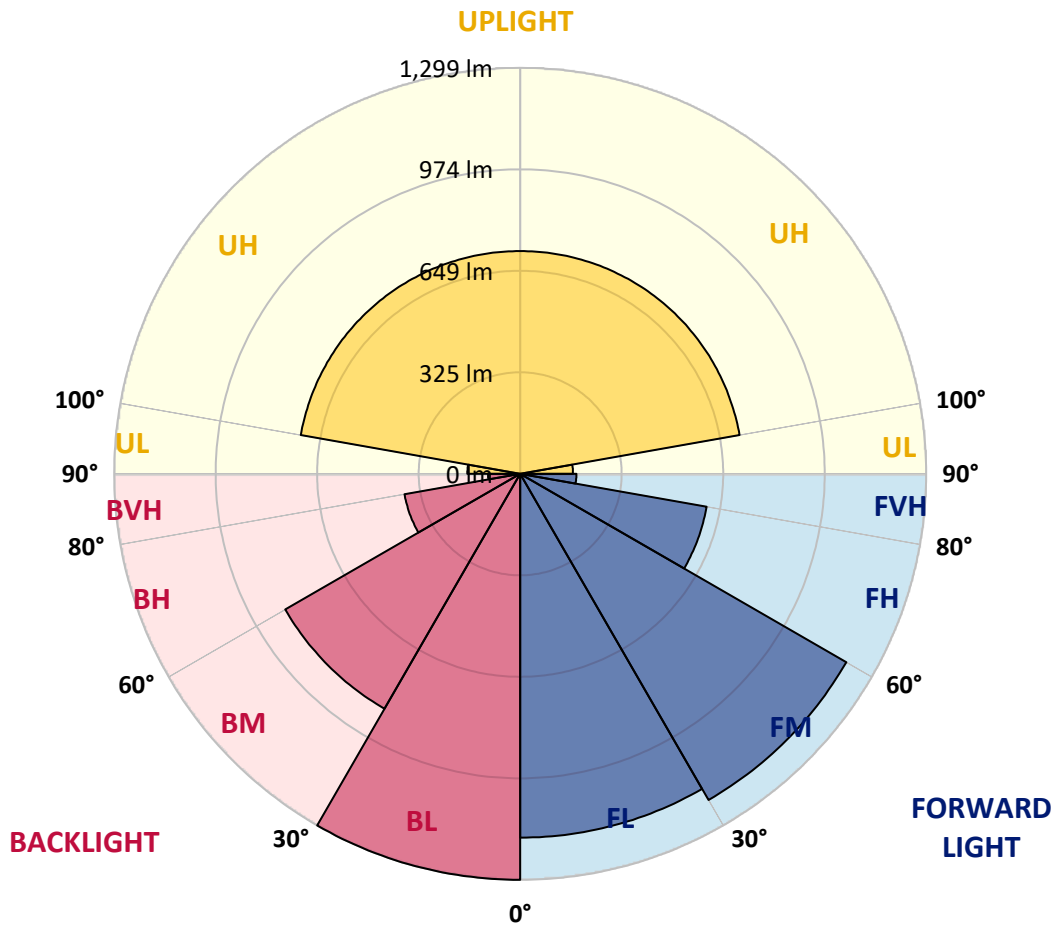
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1164.0	17.4			
FM (30°-60°)	1205.1	18.0			
FH (60°-80°)	605.7	9.1			G0/660
FVH (80°-90°)	180.0	2.7			G2/225
BL (0°-30°)	1299.0	19.4	B3/2500		
BM (30°-60°)	867.9	13.0	B1/1000		
BH (60°-80°)	375.7	5.6	B1/500		G1/500
BVH (80°-90°)	102.9	1.5			G2/225
UL (90°-100°)	169.1	2.5		U3/500	
UH (100°-180°)	712.6	10.7		U4/1000	

**BUG Rating: B3-U4-G2**

Type I Short





REPORT NUMBER: P690969

CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4
2.5°	4146.8	4243.1	4251.8	4356.8	4435.5	4508.4	4560.9	4712.6	4867.1	5012.9	5097.5
5°	3292.4	3339.0	3423.6	3537.3	3683.2	3796.9	3960.2	4173.1	4377.2	4633.8	4759.2
7.5°	2764.6	2799.6	2890.0	3073.7	3257.4	3432.4	3589.8	3794.0	3951.4	4164.3	4269.3
10°	2554.6	2575.0	2650.8	2779.1	2954.1	3099.9	3237.0	3391.5	3531.5	3726.9	3802.7
12.5°	2534.2	2542.9	2604.2	2694.6	2796.6	2916.2	3029.9	3161.2	3309.9	3464.4	3522.8
15°	2645.0	2639.2	2659.6	2712.1	2770.4	2863.7	2968.7	3088.3	3231.1	3344.9	3391.5
17.5°	2723.7	2720.8	2758.7	2782.1	2837.5	2892.9	2997.9	3091.2	3231.1	3321.6	3347.8
20°	2837.5	2843.3	2855.0	2898.7	2922.0	2959.9	3024.1	3079.5	3199.1	3251.6	3245.7
22.5°	2898.7	2895.8	2945.4	3047.4	3073.7	3094.1	3105.8	3129.1	3196.2	3193.2	3149.5
25°	2350.5	2356.3	2368.0	2455.4	2566.3	2747.1	2895.8	3129.1	3254.5	3207.8	3114.5
27.5°	2195.9	2178.4	2117.2	2067.6	1918.9	1819.7	1726.4	1685.6	1706.0	1741.0	1837.2
30°	1496.0	1498.9	1504.8	1513.5	1528.1	1566.0	1592.2	1595.2	1615.6	1673.9	1653.5
32.5°	1498.9	1501.8	1493.1	1501.8	1496.0	1510.6	1507.7	1496.0	1513.5	1566.0	1545.6
35°	1408.5	1402.7	1408.5	1411.4	1379.4	1367.7	1364.8	1356.0	1367.7	1393.9	1376.4
37.5°	1268.5	1265.6	1291.9	1306.5	1280.2	1280.2	1274.4	1262.7	1271.5	1294.8	1271.5
40°	1146.1	1149.0	1186.9	1210.2	1201.5	1210.2	1219.0	1216.1	1236.5	1245.2	1216.1
42.5°	1011.9	1006.1	1044.0	1061.5	1044.0	1049.8	1046.9	1049.8	1090.7	1108.2	1087.7
45°	845.7	854.4	871.9	895.3	892.4	901.1	898.2	904.0	930.3	939.0	924.4
47.5°	752.4	758.2	778.6	804.9	819.5	834.0	834.0	836.9	854.4	857.4	842.8
50°	732.0	737.8	764.0	793.2	816.5	834.0	842.8	839.9	848.6	842.8	822.4
52.5°	767.0	767.0	807.8	842.8	871.9	904.0	915.7	904.0	904.0	880.7	848.6
55°	781.5	784.5	834.0	895.3	950.7	1009.0	1046.9	1044.0	1041.1	1003.2	944.8
57.5°	734.9	743.6	793.2	863.2	939.0	1032.3	1087.7	1096.5	1096.5	1046.9	982.8
60°	667.8	673.6	711.6	769.9	845.7	915.7	974.0	979.8	997.3	971.1	912.8
62.5°	612.4	618.2	650.3	694.1	749.5	793.2	810.7	810.7	819.5	810.7	769.9
65°	571.6	574.5	600.7	638.6	676.6	711.6	729.0	723.2	734.9	723.2	691.1
67.5°	533.7	533.7	557.0	586.2	621.2	662.0	673.6	679.5	691.1	676.6	647.4
70°	495.8	498.7	522.0	545.3	577.4	606.6	618.2	621.2	635.7	618.2	597.8
72.5°	463.7	463.7	484.1	507.4	530.7	559.9	568.7	574.5	583.2	565.7	548.2
75°	425.8	428.7	446.2	466.6	487.0	516.2	524.9	527.8	536.6	516.2	498.7
77.5°	390.8	393.7	408.3	425.8	446.2	469.5	478.3	484.1	487.0	469.5	452.0
80°	355.8	358.7	370.4	387.9	405.4	428.7	434.5	437.4	443.3	422.8	411.2
82.5°	323.7	323.7	332.4	347.0	364.5	384.9	393.7	396.6	399.5	382.0	370.4
85°	285.8	285.8	294.5	309.1	323.7	344.1	352.9	355.8	355.8	341.2	329.5
87.5°	253.7	253.7	259.5	271.2	282.9	303.3	312.0	317.9	314.9	303.3	291.6
90°	221.6	221.6	227.5	236.2	247.9	265.4	274.1	277.0	277.0	262.5	253.7
92.5°	192.5	192.5	198.3	207.1	215.8	230.4	239.1	245.0	245.0	233.3	224.5
95°	166.2	166.2	169.1	177.9	186.6	198.3	204.1	210.0	210.0	204.1	195.4
97.5°	142.9	142.9	145.8	151.6	157.5	166.2	172.1	177.9	177.9	175.0	169.1
100°	125.4	125.4	125.4	128.3	134.1	137.1	142.9	148.7	148.7	145.8	142.9
102.5°	113.7	113.7	113.7	113.7	113.7	116.6	116.6	119.6	119.6	119.6	116.6
105°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	105.0	102.1	99.2
107.5°	107.9	105.0	105.0	105.0	105.0	102.1	102.1	102.1	99.2	96.2	93.3
110°	107.9	107.9	107.9	107.9	105.0	102.1	102.1	99.2	96.2	93.3	90.4



REPORT NUMBER: P690969

CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	113.7	113.7	113.7	110.8	107.9	107.9	105.0	102.1	99.2	93.3	90.4
115°	122.5	122.5	122.5	122.5	119.6	113.7	110.8	107.9	102.1	99.2	96.2
117.5°	137.1	137.1	137.1	137.1	131.2	128.3	122.5	119.6	113.7	107.9	105.0
120°	154.6	154.6	157.5	157.5	154.6	148.7	140.0	137.1	131.2	122.5	116.6
122.5°	180.8	177.9	183.7	183.7	183.7	177.9	166.2	160.4	154.6	142.9	137.1
125°	207.1	207.1	212.9	218.7	221.6	212.9	201.2	192.5	183.7	169.1	160.4
127.5°	236.2	236.2	247.9	259.5	265.4	256.6	242.0	233.3	221.6	201.2	189.6
130°	265.4	265.4	282.9	300.4	309.1	303.3	288.7	277.0	262.5	236.2	221.6
132.5°	291.6	291.6	312.0	335.4	347.0	344.1	329.5	317.9	306.2	274.1	253.7
135°	312.0	314.9	341.2	367.4	382.0	384.9	370.4	355.8	341.2	306.2	282.9
137.5°	323.7	329.5	355.8	387.9	402.4	411.2	402.4	387.9	370.4	332.4	306.2
140°	326.6	329.5	358.7	390.8	405.4	417.0	417.0	399.5	384.9	347.0	317.9
142.5°	317.9	320.8	349.9	379.1	393.7	408.3	411.2	396.6	382.0	347.0	317.9
145°	297.5	303.3	329.5	352.9	373.3	387.9	393.7	384.9	367.4	335.4	309.1
147.5°	271.2	274.1	297.5	317.9	338.3	355.8	364.5	355.8	341.2	312.0	288.7
150°	230.4	233.3	250.8	268.3	291.6	309.1	320.8	314.9	303.3	280.0	256.6
152.5°	186.6	186.6	201.2	215.8	236.2	253.7	265.4	262.5	253.7	233.3	215.8
155°	142.9	142.9	151.6	163.3	180.8	192.5	204.1	204.1	198.3	183.7	169.1
157.5°	102.1	102.1	110.8	119.6	131.2	142.9	151.6	151.6	148.7	137.1	128.3
160°	67.1	67.1	72.9	78.7	90.4	96.2	105.0	105.0	102.1	96.2	90.4
162.5°	35.0	35.0	40.8	43.7	52.5	58.3	64.2	67.1	67.1	61.2	58.3
165°	11.7	11.7	11.7	14.6	20.4	26.2	29.2	32.1	32.1	29.2	29.2
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.7	8.7	8.7	8.7
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: P690969

CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4	5587.4
2.5°	5187.9	5453.3	5680.8	5919.9	6185.3	6409.8	6637.3	6762.7	6870.6	6850.2	6850.2
5°	4881.7	5147.1	5424.1	5715.7	6074.4	6441.9	6791.8	7042.6	7173.8	7194.3	7191.3
7.5°	4374.3	4622.2	4884.6	5208.3	5628.3	6077.4	6552.7	6946.4	7194.3	7240.9	7249.7
10°	3872.7	4059.3	4281.0	4502.6	4878.8	5290.0	5715.7	6030.7	6272.7	6307.7	6348.6
12.5°	3572.3	3674.4	3817.3	3971.9	4216.8	4517.2	4867.1	5047.9	5202.5	5220.0	5257.9
15°	3417.8	3467.4	3502.4	3557.8	3703.6	3890.2	4050.6	4228.5	4292.6	4336.4	4356.8
17.5°	3356.5	3350.7	3315.7	3315.7	3327.4	3397.4	3499.4	3560.7	3601.5	3621.9	3627.8
20°	3231.1	3178.7	3108.7	3015.3	2965.8	2942.4	2968.7	2983.3	2971.6	2957.0	2983.3
22.5°	3099.9	2989.1	2863.7	2755.8	2627.5	2548.8	2472.9	2446.7	2414.6	2435.0	2435.0
25°	3059.1	2863.7	2662.5	2481.7	2289.2	2158.0	2018.0	1968.4	1918.9	1959.7	1959.7
27.5°	1808.0	1808.0	1694.3	1542.7	1376.4	1306.5	1251.0	1219.0	1198.6	1207.3	1207.3
30°	1618.5	1542.7	1472.7	1376.4	1248.1	1163.6	1090.7	1046.9	1026.5	1020.7	1026.5
32.5°	1501.8	1443.5	1358.9	1262.7	1149.0	1055.7	974.0	930.3	898.2	904.0	906.9
35°	1344.4	1283.1	1210.2	1119.8	1023.6	936.1	863.2	819.5	790.3	790.3	793.2
37.5°	1245.2	1184.0	1114.0	1032.3	939.0	854.4	787.4	734.9	708.6	705.7	705.7
40°	1184.0	1122.7	1058.6	976.9	889.4	802.0	734.9	688.2	656.1	656.1	659.1
42.5°	1073.2	1014.8	959.4	886.5	807.8	732.0	667.8	627.0	594.9	589.1	594.9
45°	904.0	871.9	828.2	778.6	711.6	650.3	592.0	557.0	530.7	530.7	527.8
47.5°	828.2	796.1	749.5	699.9	644.5	583.2	536.6	504.5	481.2	481.2	481.2
50°	799.0	764.0	705.7	650.3	586.2	533.7	492.8	460.8	443.3	443.3	440.3
52.5°	813.6	758.2	682.4	603.7	542.4	489.9	449.1	417.0	402.4	402.4	399.5
55°	892.4	793.2	682.4	586.2	513.3	454.9	414.1	379.1	364.5	364.5	364.5
57.5°	924.4	813.6	676.6	568.7	487.0	425.8	376.2	344.1	329.5	329.5	326.6
60°	866.1	772.8	647.4	545.3	466.6	405.4	358.7	326.6	309.1	309.1	306.2
62.5°	737.8	670.7	574.5	498.7	437.4	382.0	341.2	309.1	294.5	294.5	294.5
65°	662.0	603.7	527.8	460.8	405.4	358.7	320.8	294.5	280.0	280.0	280.0
67.5°	618.2	568.7	492.8	428.7	373.3	329.5	294.5	271.2	259.5	256.6	259.5
70°	571.6	519.1	449.1	387.9	338.3	297.5	265.4	242.0	230.4	230.4	230.4
72.5°	522.0	472.4	405.4	349.9	300.4	268.3	236.2	215.8	204.1	204.1	201.2
75°	475.3	425.8	361.6	309.1	268.3	236.2	210.0	192.5	180.8	180.8	180.8
77.5°	431.6	384.9	323.7	277.0	239.1	212.9	186.6	172.1	163.3	163.3	160.4
80°	390.8	347.0	288.7	247.9	212.9	189.6	166.2	154.6	145.8	145.8	145.8
82.5°	349.9	309.1	256.6	218.7	189.6	166.2	148.7	137.1	131.2	128.3	131.2
85°	312.0	274.1	227.5	192.5	166.2	145.8	131.2	119.6	113.7	113.7	113.7
87.5°	277.0	242.0	201.2	169.1	145.8	128.3	113.7	105.0	102.1	99.2	99.2
90°	239.1	207.1	172.1	145.8	125.4	110.8	96.2	90.4	84.6	84.6	84.6
92.5°	212.9	186.6	154.6	131.2	113.7	102.1	90.4	84.6	78.7	78.7	78.7
95°	186.6	163.3	137.1	119.6	105.0	93.3	84.6	78.7	75.8	75.8	75.8
97.5°	160.4	142.9	122.5	107.9	96.2	87.5	78.7	72.9	70.0	70.0	70.0
100°	134.1	122.5	107.9	96.2	87.5	78.7	70.0	67.1	64.2	64.2	64.2
102.5°	110.8	102.1	90.4	81.7	72.9	67.1	61.2	58.3	55.4	55.4	55.4
105°	96.2	90.4	81.7	72.9	67.1	61.2	55.4	49.6	49.6	49.6	49.6
107.5°	90.4	81.7	75.8	70.0	64.2	55.4	52.5	46.7	43.7	43.7	43.7
110°	87.5	81.7	75.8	67.1	61.2	55.4	49.6	43.7	40.8	40.8	40.8



REPORT NUMBER: P690969

CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	87.5	81.7	75.8	70.0	64.2	55.4	52.5	40.8	37.9	37.9	37.9
115°	93.3	87.5	78.7	72.9	64.2	58.3	52.5	40.8	37.9	37.9	37.9
117.5°	99.2	93.3	84.6	78.7	70.0	61.2	52.5	40.8	37.9	37.9	37.9
120°	113.7	105.0	93.3	84.6	75.8	64.2	55.4	40.8	35.0	37.9	37.9
122.5°	128.3	119.6	105.0	93.3	81.7	70.0	55.4	40.8	35.0	37.9	37.9
125°	151.6	137.1	119.6	105.0	87.5	72.9	58.3	40.8	32.1	35.0	37.9
127.5°	177.9	160.4	137.1	116.6	96.2	75.8	58.3	40.8	32.1	35.0	35.0
130°	207.1	183.7	154.6	125.4	102.1	78.7	58.3	40.8	32.1	35.0	35.0
132.5°	236.2	204.1	169.1	137.1	107.9	81.7	58.3	37.9	32.1	32.1	32.1
135°	259.5	221.6	180.8	142.9	110.8	81.7	55.4	37.9	29.2	29.2	29.2
137.5°	280.0	236.2	189.6	145.8	110.8	78.7	52.5	35.0	26.2	26.2	26.2
140°	291.6	242.0	192.5	142.9	105.0	75.8	49.6	32.1	23.3	23.3	23.3
142.5°	291.6	239.1	186.6	140.0	99.2	70.0	43.7	26.2	20.4	20.4	20.4
145°	280.0	227.5	177.9	131.2	90.4	61.2	37.9	23.3	17.5	17.5	17.5
147.5°	262.5	210.0	163.3	119.6	81.7	52.5	32.1	20.4	14.6	14.6	14.6
150°	233.3	186.6	142.9	102.1	70.0	43.7	26.2	17.5	11.7	11.7	11.7
152.5°	195.4	154.6	119.6	84.6	58.3	35.0	23.3	11.7	8.7	8.7	8.7
155°	154.6	122.5	93.3	67.1	43.7	26.2	17.5	11.7	5.8	5.8	5.8
157.5°	116.6	90.4	70.0	49.6	32.1	20.4	11.7	8.7	5.8	5.8	5.8
160°	81.7	64.2	46.7	32.1	20.4	14.6	8.7	5.8	2.9	2.9	2.9
162.5°	52.5	40.8	29.2	20.4	11.7	8.7	5.8	2.9	2.9	2.9	0.0
165°	26.2	20.4	14.6	8.7	5.8	2.9	2.9	2.9	0.0	0.0	0.0
167.5°	5.8	5.8	5.8	2.9	2.9	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)