

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: P691873

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691873
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-C01H-D-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: 7188 lumens
Efficiency: N/A
Efficacy: 102.4 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): 70.2
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



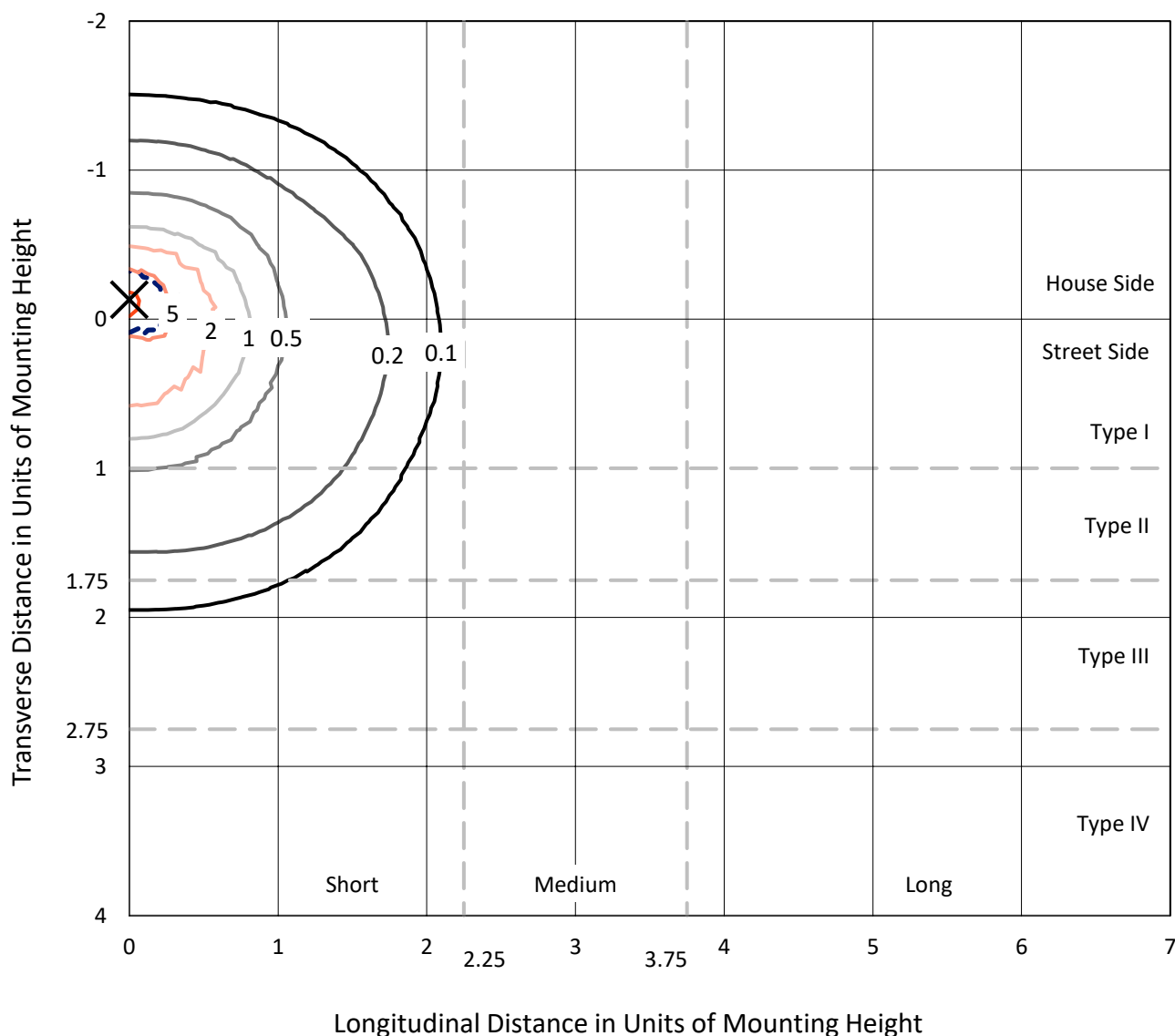
REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



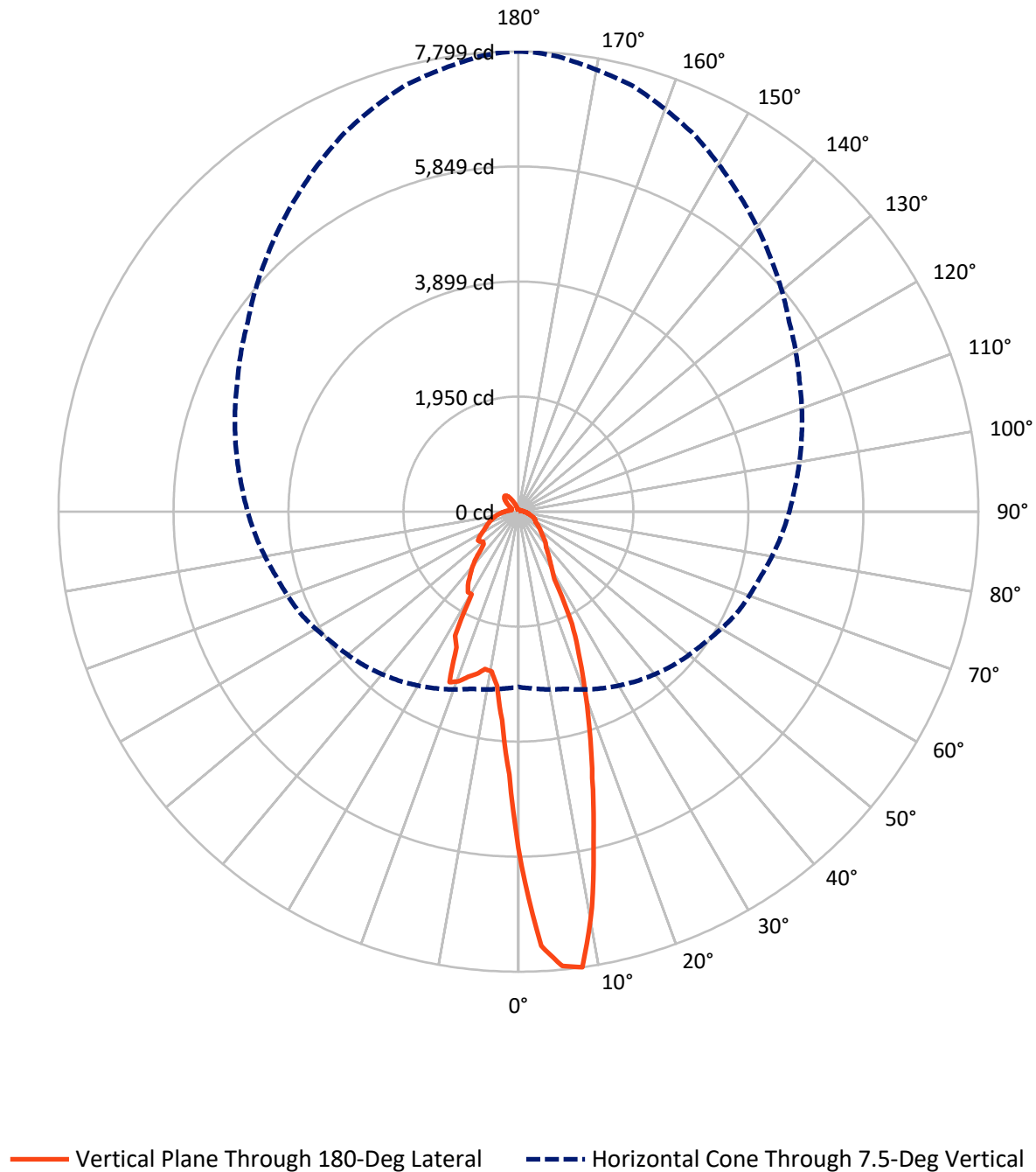
Based on 25 foot mounting height. Maximum calculated value = 12.2 fc

Type I - Short - N/A

REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

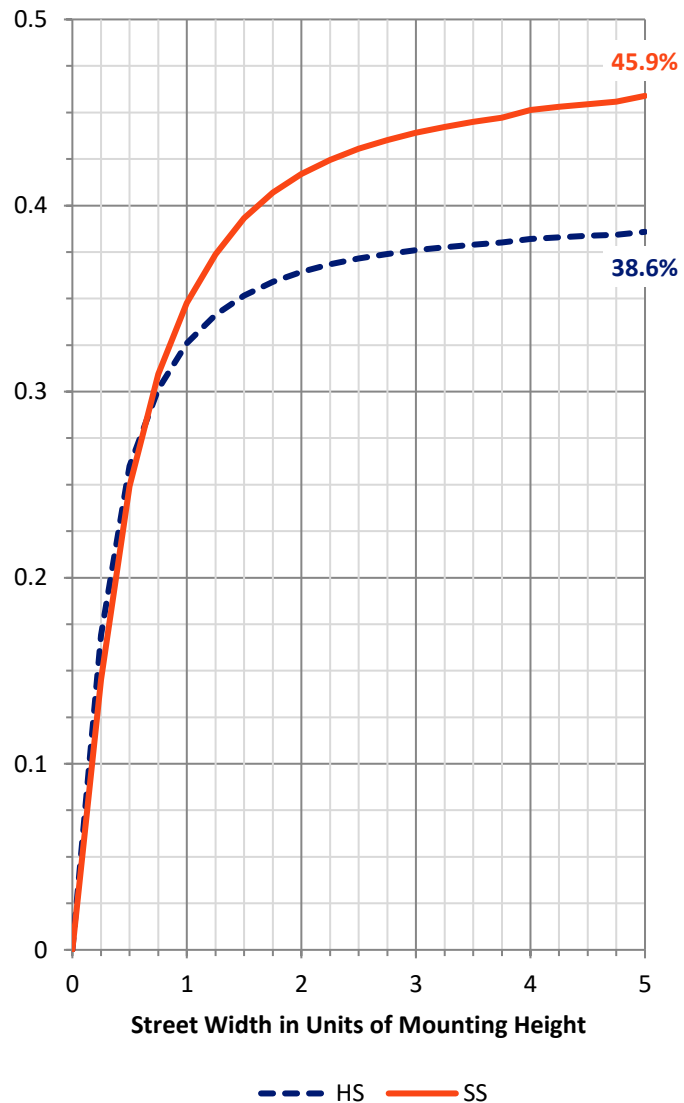
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2845.9	296.8	3142.6
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3393.6	651.7	4045.4
	% Fixture	47.2	9.1	56.3
Total	Lumens	6239.5	948.5	7188.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.6	6.7
10°-20°	1030.3	14.3
20°-30°	1137.7	15.8
30°-40°	825.1	11.5
40°-50°	695.2	9.7
50°-60°	709.7	9.9
60°-70°	604.8	8.4
70°-80°	450.9	6.3
80°-90°	304.3	4.2
90°-100°	181.9	2.5
100°-110°	104.6	1.5
110°-120°	97.8	1.4
120°-130°	142.5	2.0
130°-140°	193.6	2.7
140°-150°	157.6	2.2
150°-160°	62.9	0.9
160°-170°	7.6	0.1
170°-180°	0.0	0.0
0°-90°	6239.5	86.8
0°-180°	7188.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691873

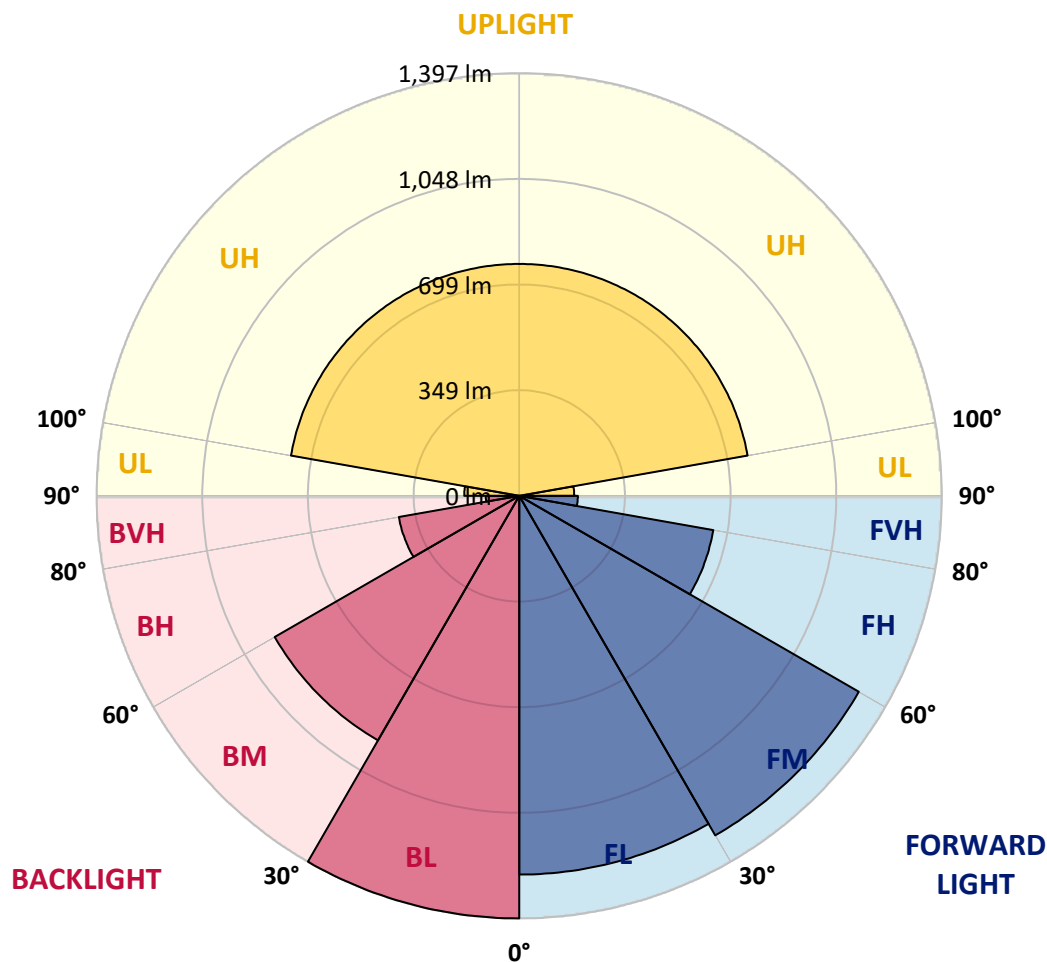
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1252.2	17.4			
FM	(30°-60°)	1296.3	18.0			
FH	(60°-80°)	651.6	9.1			G0/660
FVH	(80°-90°)	193.6	2.7			G2/225
BL	(0°-30°)	1397.3	19.4	B3/2500		
BM	(30°-60°)	933.6	13.0	B1/1000		
BH	(60°-80°)	404.2	5.6	B1/500		G1/500
BVH	(80°-90°)	110.7	1.5			G2/225
UL	(90°-100°)	181.9	2.5		U3/500	
UH	(100°-180°)	766.6	10.7		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5
2.5°	4460.9	4564.4	4573.8	4686.7	4771.4	4849.8	4906.3	5069.4	5235.7	5392.6	5483.5
5°	3541.7	3591.9	3682.9	3805.2	3962.1	4084.4	4260.1	4489.1	4708.7	4984.7	5119.6
7.5°	2973.9	3011.5	3108.8	3306.4	3504.1	3692.3	3861.7	4081.3	4250.7	4479.7	4592.6
10°	2748.0	2770.0	2851.6	2989.6	3177.8	3334.7	3482.1	3648.4	3798.9	4009.1	4090.7
12.5°	2726.1	2735.5	2801.4	2898.6	3008.4	3137.0	3259.4	3400.5	3560.5	3726.8	3789.5
15°	2845.3	2839.0	2861.0	2917.4	2980.2	3080.6	3193.5	3322.1	3475.8	3598.2	3648.4
17.5°	2930.0	2926.8	2967.6	2992.7	3052.3	3111.9	3224.9	3325.3	3475.8	3573.1	3601.3
20°	3052.3	3058.6	3071.2	3118.2	3143.3	3184.1	3253.1	3312.7	3441.3	3497.8	3491.5
22.5°	3118.2	3115.1	3168.4	3278.2	3306.4	3328.4	3340.9	3366.0	3438.2	3435.0	3388.0
25°	2528.4	2534.7	2547.3	2641.4	2760.6	2955.1	3115.1	3366.0	3500.9	3450.7	3350.3
27.5°	2362.2	2343.4	2277.5	2224.2	2064.2	1957.5	1857.1	1813.2	1835.2	1872.8	1976.3
30°	1609.3	1612.4	1618.7	1628.1	1643.8	1684.6	1712.8	1716.0	1737.9	1800.7	1778.7
32.5°	1612.4	1615.6	1606.2	1615.6	1609.3	1625.0	1621.8	1609.3	1628.1	1684.6	1662.6
35°	1515.2	1508.9	1515.2	1518.3	1483.8	1471.3	1468.1	1458.7	1471.3	1499.5	1480.7
37.5°	1364.6	1361.5	1389.7	1405.4	1377.2	1377.2	1370.9	1358.3	1367.7	1392.8	1367.7
40°	1232.9	1236.0	1276.8	1301.9	1292.5	1301.9	1311.3	1308.1	1330.1	1339.5	1308.1
42.5°	1088.5	1082.3	1123.1	1141.9	1123.1	1129.3	1126.2	1129.3	1173.2	1192.1	1170.1
45°	909.7	919.1	938.0	963.1	959.9	969.3	966.2	972.5	1000.7	1010.1	994.4
47.5°	809.4	815.6	837.6	865.8	881.5	897.2	897.2	900.3	919.1	922.3	906.6
50°	787.4	793.7	821.9	853.3	878.4	897.2	906.6	903.5	912.9	906.6	884.6
52.5°	825.0	825.0	869.0	906.6	938.0	972.5	985.0	972.5	972.5	947.4	912.9
55°	840.7	843.9	897.2	963.1	1022.7	1085.4	1126.2	1123.1	1119.9	1079.1	1016.4
57.5°	790.5	799.9	853.3	928.6	1010.1	1110.5	1170.1	1179.5	1179.5	1126.2	1057.2
60°	718.4	724.7	765.4	828.2	909.7	985.0	1047.8	1054.0	1072.9	1044.6	981.9
62.5°	658.8	665.1	699.6	746.6	806.2	853.3	872.1	872.1	881.5	872.1	828.2
65°	614.9	618.0	646.2	687.0	727.8	765.4	784.3	778.0	790.5	778.0	743.5
67.5°	574.1	574.1	599.2	630.5	668.2	712.1	724.7	730.9	743.5	727.8	696.4
70°	533.3	536.4	561.5	586.6	621.1	652.5	665.1	668.2	683.9	665.1	643.1
72.5°	498.8	498.8	520.7	545.8	570.9	602.3	611.7	618.0	627.4	608.6	589.8
75°	458.0	461.1	480.0	501.9	523.9	555.3	564.7	567.8	577.2	555.3	536.4
77.5°	420.4	423.5	439.2	458.0	480.0	505.1	514.5	520.7	523.9	505.1	486.2
80°	382.7	385.9	398.4	417.2	436.0	461.1	467.4	470.6	476.8	454.9	442.3
82.5°	348.2	348.2	357.6	373.3	392.1	414.1	423.5	426.6	429.8	411.0	398.4
85°	307.4	307.4	316.8	332.5	348.2	370.2	379.6	382.7	382.7	367.0	354.5
87.5°	272.9	272.9	279.2	291.7	304.3	326.3	335.7	341.9	338.8	326.3	313.7
90°	238.4	238.4	244.7	254.1	266.6	285.5	294.9	298.0	298.0	282.3	272.9
92.5°	207.0	207.0	213.3	222.7	232.1	247.8	257.2	263.5	263.5	251.0	241.6
95°	178.8	178.8	181.9	191.4	200.8	213.3	219.6	225.9	225.9	219.6	210.2
97.5°	153.7	153.7	156.9	163.1	169.4	178.8	185.1	191.4	191.4	188.2	181.9
100°	134.9	134.9	134.9	138.0	144.3	147.4	153.7	160.0	160.0	156.9	153.7
102.5°	122.3	122.3	122.3	122.3	122.3	125.5	125.5	128.6	128.6	128.6	125.5
105°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	112.9	109.8	106.7
107.5°	116.1	112.9	112.9	112.9	112.9	109.8	109.8	109.8	106.7	103.5	100.4
110°	116.1	116.1	116.1	116.1	112.9	109.8	109.8	106.7	103.5	100.4	97.2



REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	122.3	122.3	122.3	119.2	116.1	116.1	112.9	109.8	106.7	100.4	97.2
115°	131.8	131.8	131.8	131.8	128.6	122.3	119.2	116.1	109.8	106.7	103.5
117.5°	147.4	147.4	147.4	147.4	141.2	138.0	131.8	128.6	122.3	116.1	112.9
120°	166.3	166.3	169.4	169.4	166.3	160.0	150.6	147.4	141.2	131.8	125.5
122.5°	194.5	191.4	197.6	197.6	197.6	191.4	178.8	172.5	166.3	153.7	147.4
125°	222.7	222.7	229.0	235.3	238.4	229.0	216.5	207.0	197.6	181.9	172.5
127.5°	254.1	254.1	266.6	279.2	285.5	276.1	260.4	251.0	238.4	216.5	203.9
130°	285.5	285.5	304.3	323.1	332.5	326.3	310.6	298.0	282.3	254.1	238.4
132.5°	313.7	313.7	335.7	360.8	373.3	370.2	354.5	341.9	329.4	294.9	272.9
135°	335.7	338.8	367.0	395.3	411.0	414.1	398.4	382.7	367.0	329.4	304.3
137.5°	348.2	354.5	382.7	417.2	432.9	442.3	432.9	417.2	398.4	357.6	329.4
140°	351.3	354.5	385.9	420.4	436.0	448.6	448.6	429.8	414.1	373.3	341.9
142.5°	341.9	345.1	376.4	407.8	423.5	439.2	442.3	426.6	411.0	373.3	341.9
145°	320.0	326.3	354.5	379.6	401.5	417.2	423.5	414.1	395.3	360.8	332.5
147.5°	291.7	294.9	320.0	341.9	363.9	382.7	392.1	382.7	367.0	335.7	310.6
150°	247.8	251.0	269.8	288.6	313.7	332.5	345.1	338.8	326.3	301.2	276.1
152.5°	200.8	200.8	216.5	232.1	254.1	272.9	285.5	282.3	272.9	251.0	232.1
155°	153.7	153.7	163.1	175.7	194.5	207.0	219.6	219.6	213.3	197.6	181.9
157.5°	109.8	109.8	119.2	128.6	141.2	153.7	163.1	163.1	160.0	147.4	138.0
160°	72.2	72.2	78.4	84.7	97.2	103.5	112.9	112.9	109.8	103.5	97.2
162.5°	37.6	37.6	43.9	47.1	56.5	62.7	69.0	72.2	72.2	65.9	62.7
165°	12.5	12.5	12.5	15.7	22.0	28.2	31.4	34.5	34.5	31.4	31.4
167.5°	3.1	3.1	3.1	3.1	3.1	3.1	6.3	9.4	9.4	9.4	9.4
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: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5	6010.5
2.5°	5580.8	5866.2	6110.9	6368.2	6653.6	6895.2	7139.9	7274.8	7390.8	7368.9	7368.9
5°	5251.4	5536.9	5834.9	6148.6	6534.4	6929.7	7306.1	7575.9	7717.1	7739.1	7735.9
7.5°	4705.5	4972.2	5254.5	5602.7	6054.5	6537.6	7048.9	7472.4	7739.1	7789.2	7798.7
10°	4166.0	4366.7	4605.2	4843.6	5248.3	5690.6	6148.6	6487.4	6747.8	6785.4	6829.3
12.5°	3842.9	3952.7	4106.4	4272.6	4536.1	4859.3	5235.7	5430.2	5596.5	5615.3	5656.1
15°	3676.6	3729.9	3767.6	3827.2	3984.0	4184.8	4357.3	4548.7	4617.7	4664.8	4686.7
17.5°	3610.7	3604.4	3566.8	3566.8	3579.4	3654.6	3764.4	3830.3	3874.2	3896.2	3902.5
20°	3475.8	3419.4	3344.1	3243.7	3190.4	3165.3	3193.5	3209.2	3196.6	3180.9	3209.2
22.5°	3334.7	3215.5	3080.6	2964.5	2826.5	2741.8	2660.2	2632.0	2597.5	2619.4	2619.4
25°	3290.7	3080.6	2864.1	2669.6	2462.6	2321.4	2170.8	2117.5	2064.2	2108.1	2108.1
27.5°	1945.0	1945.0	1822.6	1659.5	1480.7	1405.4	1345.8	1311.3	1289.3	1298.7	1298.7
30°	1741.1	1659.5	1584.2	1480.7	1342.6	1251.7	1173.2	1126.2	1104.2	1098.0	1104.2
32.5°	1615.6	1552.8	1461.9	1358.3	1236.0	1135.6	1047.8	1000.7	966.2	972.5	975.6
35°	1446.2	1380.3	1301.9	1204.6	1101.1	1007.0	928.6	881.5	850.1	850.1	853.3
37.5°	1339.5	1273.6	1198.3	1110.5	1010.1	919.1	847.0	790.5	762.3	759.2	759.2
40°	1273.6	1207.8	1138.7	1050.9	956.8	862.7	790.5	740.3	705.8	705.8	709.0
42.5°	1154.4	1091.7	1032.1	953.7	869.0	787.4	718.4	674.5	640.0	633.7	640.0
45°	972.5	938.0	890.9	837.6	765.4	699.6	636.8	599.2	570.9	570.9	567.8
47.5°	890.9	856.4	806.2	752.9	693.3	627.4	577.2	542.7	517.6	517.6	517.6
50°	859.5	821.9	759.2	699.6	630.5	574.1	530.2	495.7	476.8	476.8	473.7
52.5°	875.2	815.6	734.1	649.4	583.5	527.0	483.1	448.6	432.9	432.9	429.8
55°	959.9	853.3	734.1	630.5	552.1	489.4	445.5	407.8	392.1	392.1	392.1
57.5°	994.4	875.2	727.8	611.7	523.9	458.0	404.7	370.2	354.5	354.5	351.3
60°	931.7	831.3	696.4	586.6	501.9	436.0	385.9	351.3	332.5	332.5	329.4
62.5°	793.7	721.5	618.0	536.4	470.6	411.0	367.0	332.5	316.8	316.8	316.8
65°	712.1	649.4	567.8	495.7	436.0	385.9	345.1	316.8	301.2	301.2	301.2
67.5°	665.1	611.7	530.2	461.1	401.5	354.5	316.8	291.7	279.2	276.1	279.2
70°	614.9	558.4	483.1	417.2	363.9	320.0	285.5	260.4	247.8	247.8	247.8
72.5°	561.5	508.2	436.0	376.4	323.1	288.6	254.1	232.1	219.6	219.6	216.5
75°	511.3	458.0	389.0	332.5	288.6	254.1	225.9	207.0	194.5	194.5	194.5
77.5°	464.3	414.1	348.2	298.0	257.2	229.0	200.8	185.1	175.7	175.7	172.5
80°	420.4	373.3	310.6	266.6	229.0	203.9	178.8	166.3	156.9	156.9	156.9
82.5°	376.4	332.5	276.1	235.3	203.9	178.8	160.0	147.4	141.2	138.0	141.2
85°	335.7	294.9	244.7	207.0	178.8	156.9	141.2	128.6	122.3	122.3	122.3
87.5°	298.0	260.4	216.5	181.9	156.9	138.0	122.3	112.9	109.8	106.7	106.7
90°	257.2	222.7	185.1	156.9	134.9	119.2	103.5	97.2	91.0	91.0	91.0
92.5°	229.0	200.8	166.3	141.2	122.3	109.8	97.2	91.0	84.7	84.7	84.7
95°	200.8	175.7	147.4	128.6	112.9	100.4	91.0	84.7	81.6	81.6	81.6
97.5°	172.5	153.7	131.8	116.1	103.5	94.1	84.7	78.4	75.3	75.3	75.3
100°	144.3	131.8	116.1	103.5	94.1	84.7	75.3	72.2	69.0	69.0	69.0
102.5°	119.2	109.8	97.2	87.8	78.4	72.2	65.9	62.7	59.6	59.6	59.6
105°	103.5	97.2	87.8	78.4	72.2	65.9	59.6	53.3	53.3	53.3	53.3
107.5°	97.2	87.8	81.6	75.3	69.0	59.6	56.5	50.2	47.1	47.1	47.1
110°	94.1	87.8	81.6	72.2	65.9	59.6	53.3	47.1	43.9	43.9	43.9



REPORT NUMBER: P691873

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	94.1	87.8	81.6	75.3	69.0	59.6	56.5	43.9	40.8	40.8	40.8
115°	100.4	94.1	84.7	78.4	69.0	62.7	56.5	43.9	40.8	40.8	40.8
117.5°	106.7	100.4	91.0	84.7	75.3	65.9	56.5	43.9	40.8	40.8	40.8
120°	122.3	112.9	100.4	91.0	81.6	69.0	59.6	43.9	37.6	40.8	40.8
122.5°	138.0	128.6	112.9	100.4	87.8	75.3	59.6	43.9	37.6	40.8	40.8
125°	163.1	147.4	128.6	112.9	94.1	78.4	62.7	43.9	34.5	37.6	40.8
127.5°	191.4	172.5	147.4	125.5	103.5	81.6	62.7	43.9	34.5	37.6	37.6
130°	222.7	197.6	166.3	134.9	109.8	84.7	62.7	43.9	34.5	37.6	37.6
132.5°	254.1	219.6	181.9	147.4	116.1	87.8	62.7	40.8	34.5	34.5	34.5
135°	279.2	238.4	194.5	153.7	119.2	87.8	59.6	40.8	31.4	31.4	31.4
137.5°	301.2	254.1	203.9	156.9	119.2	84.7	56.5	37.6	28.2	28.2	28.2
140°	313.7	260.4	207.0	153.7	112.9	81.6	53.3	34.5	25.1	25.1	25.1
142.5°	313.7	257.2	200.8	150.6	106.7	75.3	47.1	28.2	22.0	22.0	22.0
145°	301.2	244.7	191.4	141.2	97.2	65.9	40.8	25.1	18.8	18.8	18.8
147.5°	282.3	225.9	175.7	128.6	87.8	56.5	34.5	22.0	15.7	15.7	15.7
150°	251.0	200.8	153.7	109.8	75.3	47.1	28.2	18.8	12.5	12.5	12.5
152.5°	210.2	166.3	128.6	91.0	62.7	37.6	25.1	12.5	9.4	9.4	9.4
155°	166.3	131.8	100.4	72.2	47.1	28.2	18.8	12.5	6.3	6.3	6.3
157.5°	125.5	97.2	75.3	53.3	34.5	22.0	12.5	9.4	6.3	6.3	6.3
160°	87.8	69.0	50.2	34.5	22.0	15.7	9.4	6.3	3.1	3.1	3.1
162.5°	56.5	43.9	31.4	22.0	12.5	9.4	6.3	3.1	3.1	3.1	0.0
165°	28.2	22.0	15.7	9.4	6.3	3.1	3.1	3.1	0.0	0.0	0.0
167.5°	6.3	6.3	6.3	3.1	3.1	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)