

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: P690954

Luminaire Tested: **CRTK2-C01-D-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T3-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7051 lumens
Efficiency: N/A
Efficacy: 115.6 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



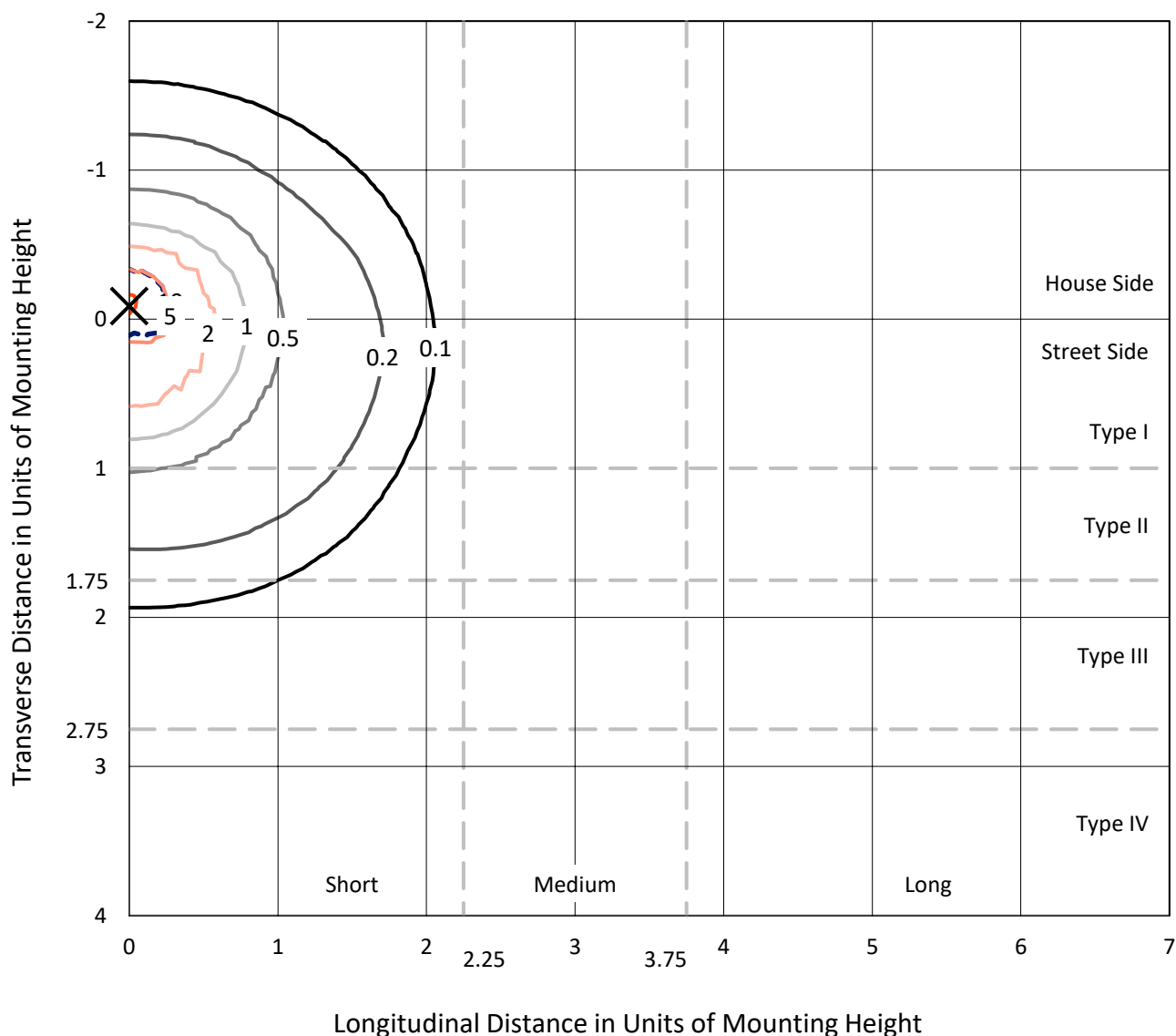
REPORT NUMBER: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

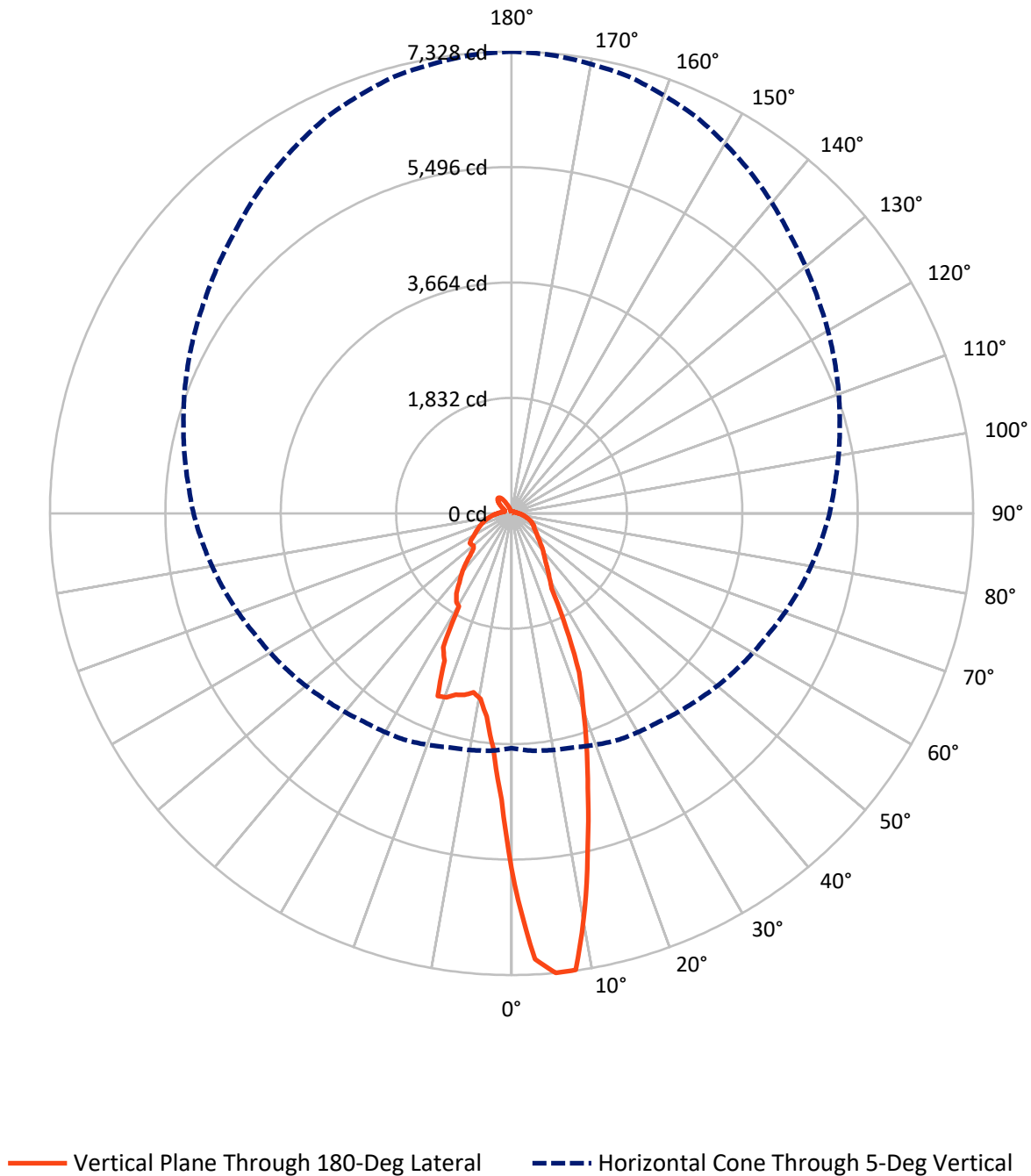


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc

Type I - Short - N/A

REPORT NUMBER: P690954
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

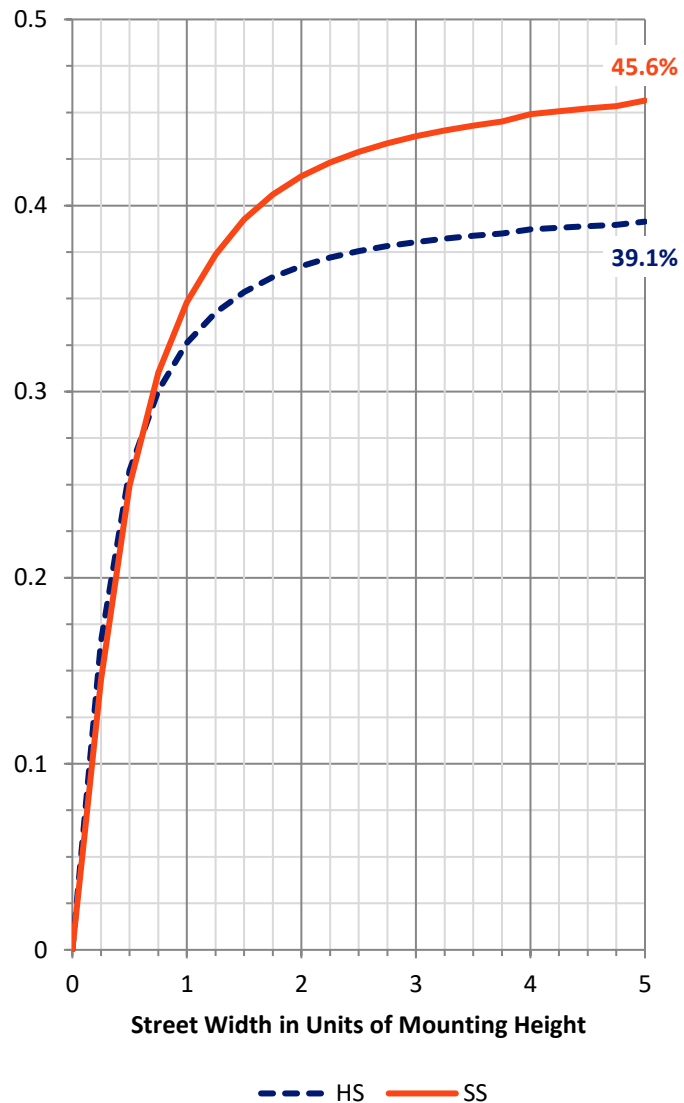
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2833.9	303.9	3137.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3307.2	606.1	3913.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	6141.1	909.9	7051.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.0	6.7
10°-20°	1016.5	14.4
20°-30°	1119.2	15.9
30°-40°	822.4	11.7
40°-50°	689.1	9.8
50°-60°	691.4	9.8
60°-70°	592.1	8.4
70°-80°	441.2	6.3
80°-90°	295.2	4.2
90°-100°	175.3	2.5
100°-110°	101.8	1.4
110°-120°	94.7	1.3
120°-130°	137.3	1.9
130°-140°	184.8	2.6
140°-150°	149.7	2.1
150°-160°	59.1	0.8
160°-170°	7.2	0.1
170°-180°	0.0	0.0
0°-90°	6141.1	87.1
0°-180°	7051.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690954

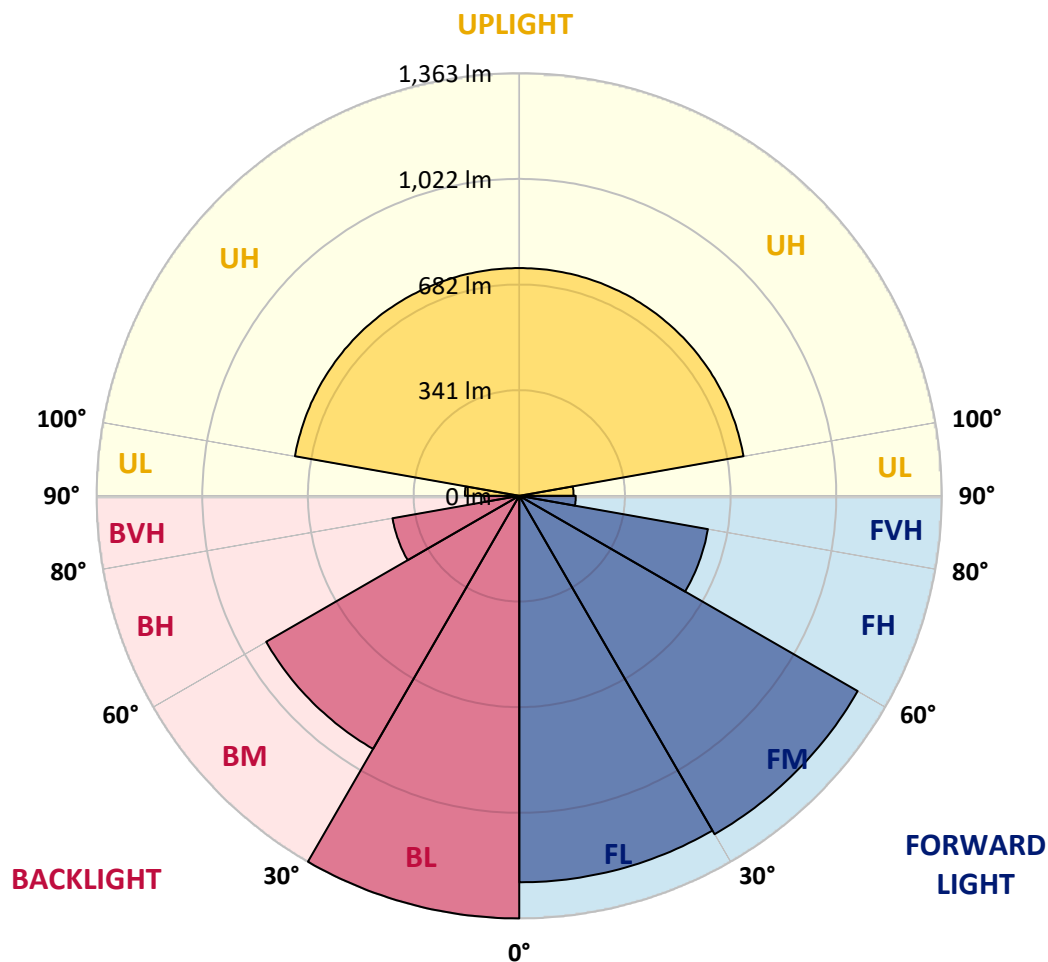
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1246.7	17.7			
FM	(30°-60°)	1260.3	17.9			
FH	(60°-80°)	617.9	8.8			G0/660
FVH	(80°-90°)	182.2	2.6			G2/225
BL	(0°-30°)	1363.0	19.3	B3/2500		
BM	(30°-60°)	942.6	13.4	B1/1000		
BH	(60°-80°)	415.3	5.9	B1/500		G1/500
BVH	(80°-90°)	113.0	1.6			G2/225
UL	(90°-100°)	175.3	2.5		U3/500	
UH	(100°-180°)	734.6	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4
2.5°	4547.2	4614.4	4648.0	4748.8	4782.4	4846.8	4944.8	5042.8	5208.0	5331.2	5426.4
5°	3726.8	3782.8	3844.4	3973.2	4048.8	4183.2	4340.0	4508.0	4720.8	4936.4	5048.4
7.5°	3248.0	3262.0	3351.6	3508.4	3645.6	3788.4	3959.2	4104.8	4250.4	4426.8	4538.8
10°	2984.8	3004.4	3063.2	3183.6	3301.2	3418.8	3553.2	3665.2	3813.6	3962.0	4029.2
12.5°	2906.4	2914.8	2965.2	3035.2	3110.8	3186.4	3290.0	3390.8	3522.4	3651.2	3696.0
15°	2976.4	2976.4	2984.8	3012.8	3052.0	3110.8	3189.2	3276.0	3396.4	3491.6	3539.2
17.5°	3010.0	3012.8	3035.2	3040.8	3077.2	3102.4	3172.4	3239.6	3354.4	3432.8	3458.0
20°	3099.6	3099.6	3102.4	3116.4	3122.0	3136.0	3166.8	3203.2	3298.4	3340.4	3334.8
22.5°	3127.6	3116.4	3161.2	3242.4	3239.6	3242.4	3214.4	3222.8	3276.0	3259.2	3220.0
25°	2567.6	2553.6	2604.0	2654.4	2727.2	2819.6	3049.2	3228.4	3295.6	3242.4	3155.6
27.5°	2388.4	2326.8	2312.8	2192.4	2083.2	1904.0	1887.2	1775.2	1764.0	1834.0	1898.4
30°	1696.8	1699.6	1696.8	1685.6	1677.2	1685.6	1694.0	1674.4	1680.0	1724.8	1705.2
32.5°	1654.8	1654.8	1643.6	1638.0	1612.8	1604.4	1590.4	1554.0	1559.6	1593.2	1584.8
35°	1542.8	1537.2	1540.0	1526.0	1481.2	1444.8	1439.2	1408.4	1408.4	1428.0	1419.6
37.5°	1374.8	1366.4	1400.0	1397.2	1360.8	1346.8	1332.8	1313.2	1313.2	1330.0	1313.2
40°	1243.2	1237.6	1274.0	1285.2	1262.8	1268.4	1271.2	1254.4	1271.2	1274.0	1251.6
42.5°	1103.2	1100.4	1131.2	1128.4	1108.8	1106.0	1103.2	1092.0	1120.0	1142.4	1125.6
45°	938.0	929.6	952.0	960.4	954.8	946.4	943.6	943.6	960.4	971.6	954.8
47.5°	828.8	831.6	848.4	868.0	873.6	879.2	876.4	870.8	882.0	884.8	870.8
50°	792.4	795.2	820.4	842.8	859.6	870.8	870.8	862.4	870.8	862.4	842.8
52.5°	809.2	809.2	842.8	876.4	904.4	924.0	926.8	915.6	915.6	893.2	862.4
55°	814.8	820.4	865.2	921.2	971.6	1024.8	1050.0	1041.6	1050.0	1002.4	952.0
57.5°	761.6	775.6	820.4	887.6	954.8	1038.8	1092.0	1097.6	1094.8	1052.8	991.2
60°	691.6	702.8	733.6	792.4	856.8	924.0	977.2	988.4	999.6	980.0	924.0
62.5°	644.0	649.6	674.8	716.8	761.6	798.0	817.6	814.8	826.0	820.4	778.4
65°	602.0	604.8	632.8	666.4	694.4	730.8	736.4	736.4	744.8	733.6	700.0
67.5°	557.2	557.2	579.6	610.4	644.0	674.8	683.2	686.0	697.2	686.0	660.8
70°	518.0	518.0	537.6	562.8	588.0	618.8	627.2	630.0	644.0	630.0	604.8
72.5°	481.6	481.6	498.4	520.8	543.2	568.4	576.8	579.6	590.8	576.8	557.2
75°	442.4	445.2	459.2	478.8	498.4	520.8	532.0	532.0	540.4	523.6	506.8
77.5°	403.2	406.0	420.0	436.8	453.6	476.0	481.6	484.4	492.8	476.0	459.2
80°	364.0	369.6	380.8	394.8	411.6	428.4	439.6	439.6	445.2	428.4	417.2
82.5°	327.6	333.2	341.6	352.8	369.6	386.4	397.6	397.6	400.4	386.4	372.4
85°	291.2	296.8	305.2	313.6	327.6	344.4	355.6	355.6	358.4	344.4	333.2
87.5°	257.6	263.2	268.8	277.2	288.4	305.2	316.4	316.4	316.4	305.2	294.0
90°	224.0	226.8	232.4	240.8	252.0	266.0	274.4	277.2	277.2	263.2	257.6
92.5°	198.8	198.8	204.4	210.0	221.2	232.4	240.8	243.6	243.6	235.2	226.8
95°	170.8	173.6	176.4	182.0	190.4	198.8	210.0	210.0	210.0	204.4	198.8
97.5°	151.2	148.4	151.2	154.0	162.4	168.0	176.4	179.2	179.2	173.6	170.8
100°	128.8	131.6	131.6	134.4	137.2	140.0	145.6	148.4	148.4	145.6	145.6
102.5°	120.4	117.6	117.6	117.6	117.6	117.6	120.4	120.4	123.2	120.4	117.6
105°	112.0	112.0	112.0	112.0	109.2	109.2	109.2	109.2	106.4	103.6	103.6
107.5°	109.2	109.2	109.2	109.2	106.4	106.4	103.6	103.6	100.8	98.0	95.2
110°	109.2	109.2	109.2	109.2	106.4	103.6	103.6	100.8	98.0	95.2	92.4



REPORT NUMBER: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	114.8	114.8	114.8	114.8	109.2	106.4	103.6	103.6	98.0	95.2	92.4
115°	126.0	126.0	123.2	123.2	120.4	114.8	112.0	109.2	106.4	100.8	98.0
117.5°	137.2	137.2	137.2	137.2	134.4	128.8	123.2	120.4	117.6	109.2	106.4
120°	156.8	156.8	156.8	159.6	154.0	148.4	142.8	137.2	134.4	126.0	120.4
122.5°	182.0	179.2	184.8	187.6	184.8	176.4	168.0	162.4	156.8	145.6	140.0
125°	207.2	207.2	212.8	221.2	221.2	212.8	201.6	193.2	187.6	170.8	162.4
127.5°	238.0	238.0	246.4	260.4	263.2	254.8	243.6	232.4	224.0	201.6	193.2
130°	266.0	266.0	282.8	299.6	308.0	299.6	288.4	274.4	263.2	238.0	224.0
132.5°	288.4	291.2	310.8	333.2	344.4	341.6	327.6	316.4	305.2	274.4	257.6
135°	310.8	313.6	336.0	364.0	378.0	378.0	366.8	352.8	338.8	305.2	285.6
137.5°	322.0	324.8	352.8	380.8	397.6	403.2	397.6	383.6	369.6	333.2	308.0
140°	322.0	327.6	355.6	383.6	400.4	408.8	408.8	394.8	380.8	347.2	322.0
142.5°	313.6	319.2	344.4	372.4	389.2	400.4	403.2	392.0	378.0	344.4	319.2
145°	296.8	299.6	324.8	350.0	366.8	380.8	386.4	378.0	361.2	333.2	308.0
147.5°	268.8	268.8	291.2	310.8	333.2	347.2	355.6	350.0	336.0	310.8	288.4
150°	229.6	229.6	246.4	266.0	285.6	302.4	310.8	310.8	296.8	277.2	254.8
152.5°	182.0	184.8	196.0	212.8	232.4	246.4	257.6	257.6	249.2	232.4	212.8
155°	140.0	140.0	148.4	159.6	176.4	190.4	198.8	198.8	193.2	179.2	168.0
157.5°	100.8	100.8	106.4	117.6	128.8	140.0	148.4	148.4	142.8	134.4	126.0
160°	67.2	67.2	70.0	78.4	86.8	95.2	100.8	103.6	100.8	95.2	86.8
162.5°	36.4	36.4	39.2	44.8	50.4	58.8	61.6	64.4	64.4	58.8	56.0
165°	11.2	11.2	11.2	16.8	19.6	25.2	28.0	30.8	30.8	30.8	28.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	5.6	8.4	8.4	8.4	8.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	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: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4	5902.4
2.5°	5516.0	5723.2	5952.8	6188.0	6428.8	6655.6	6846.0	6997.2	7078.4	7098.0	7086.8
5°	5149.2	5392.8	5661.6	5936.0	6249.6	6610.8	6941.2	7179.2	7302.4	7322.0	7327.6
7.5°	4625.6	4838.4	5101.6	5418.0	5812.8	6199.2	6708.8	7064.4	7263.2	7316.4	7316.4
10°	4074.0	4261.6	4426.8	4704.0	5048.4	5409.6	5843.6	6171.2	6372.8	6437.2	6381.2
12.5°	3763.2	3844.4	3956.4	4160.8	4376.4	4650.8	5026.0	5238.8	5370.4	5409.6	5376.0
15°	3564.4	3606.4	3654.0	3740.8	3892.0	4062.8	4284.0	4415.6	4496.8	4544.4	4527.6
17.5°	3469.2	3469.2	3460.8	3480.4	3519.6	3598.0	3749.2	3796.8	3833.2	3852.8	3841.6
20°	3323.6	3278.8	3242.4	3186.4	3164.0	3161.2	3197.6	3248.0	3245.2	3248.0	3225.6
22.5°	3178.0	3085.6	2996.0	2912.0	2816.8	2769.2	2735.6	2752.4	2738.4	2752.4	2738.4
25°	3108.0	2920.4	2741.2	2536.8	2366.0	2234.4	2147.6	2094.4	2004.8	2038.4	2007.6
27.5°	1929.2	1850.8	1775.2	1624.0	1481.2	1430.8	1388.8	1366.4	1349.6	1358.0	1352.4
30°	1671.6	1607.2	1548.4	1470.0	1360.8	1293.6	1243.2	1198.4	1184.4	1187.2	1184.4
32.5°	1551.2	1500.8	1428.0	1346.8	1248.8	1164.8	1106.0	1064.0	1041.6	1055.6	1044.4
35°	1388.8	1338.4	1276.8	1201.2	1117.2	1041.6	985.6	946.4	921.2	926.8	924.0
37.5°	1282.4	1234.8	1181.6	1100.4	1027.6	954.8	898.8	859.6	834.4	840.0	834.4
40°	1220.8	1167.6	1111.6	1038.8	966.0	890.4	837.2	792.4	767.2	767.2	767.2
42.5°	1094.8	1052.8	1005.2	929.6	865.2	800.8	747.6	714.0	686.0	688.8	683.2
45°	935.2	904.4	868.0	817.6	764.4	714.0	669.2	644.0	621.6	624.4	621.6
47.5°	854.0	826.0	784.0	744.8	697.2	652.4	613.2	582.4	565.6	568.4	562.8
50°	823.2	789.6	742.0	688.8	644.0	599.2	560.0	537.6	520.8	523.6	520.8
52.5°	834.4	781.2	714.0	649.6	596.4	551.6	520.8	495.6	484.4	487.2	481.6
55°	907.2	814.8	714.0	632.8	565.6	515.2	484.4	456.4	445.2	445.2	445.2
57.5°	932.4	831.6	705.6	613.2	540.4	490.0	453.6	425.6	414.4	414.4	414.4
60°	873.6	786.8	672.0	585.2	518.0	470.4	439.6	420.0	411.6	411.6	411.6
62.5°	747.6	691.6	604.8	534.8	484.4	442.4	411.6	386.4	378.0	375.2	375.2
65°	677.6	624.4	551.6	492.8	448.0	414.4	386.4	366.8	355.6	355.6	355.6
67.5°	632.8	582.4	515.2	459.2	417.2	380.8	355.6	336.0	330.4	327.6	327.6
70°	582.4	534.8	467.6	417.2	378.0	347.2	322.0	305.2	299.6	299.6	296.8
72.5°	532.0	487.2	422.8	375.2	338.8	310.8	288.4	274.4	268.8	266.0	266.0
75°	484.4	439.6	380.8	336.0	302.4	277.2	257.6	243.6	238.0	238.0	238.0
77.5°	439.6	397.6	341.6	299.6	271.6	246.4	229.6	218.4	212.8	212.8	212.8
80°	397.6	355.6	305.2	266.0	238.0	218.4	204.4	193.2	187.6	190.4	187.6
82.5°	352.8	319.2	271.6	235.2	212.8	193.2	179.2	170.8	165.2	168.0	165.2
85°	316.4	282.8	238.0	207.2	184.8	168.0	156.8	148.4	142.8	145.6	142.8
87.5°	280.0	249.2	210.0	182.0	162.4	148.4	134.4	128.8	126.0	126.0	123.2
90°	240.8	212.8	179.2	156.8	137.2	126.0	114.8	109.2	106.4	103.6	103.6
92.5°	212.8	190.4	159.6	140.0	123.2	114.8	103.6	98.0	95.2	95.2	95.2
95°	187.6	168.0	142.8	126.0	114.8	103.6	95.2	92.4	89.6	89.6	86.8
97.5°	162.4	145.6	128.8	114.8	103.6	95.2	86.8	84.0	81.2	81.2	81.2
100°	137.2	126.0	112.0	100.8	92.4	86.8	78.4	75.6	72.8	72.8	72.8
102.5°	114.8	106.4	95.2	86.8	81.2	75.6	70.0	67.2	64.4	64.4	64.4
105°	100.8	92.4	86.8	78.4	72.8	67.2	64.4	58.8	56.0	56.0	56.0
107.5°	92.4	86.8	81.2	75.6	70.0	64.4	58.8	53.2	50.4	50.4	50.4
110°	89.6	84.0	78.4	72.8	67.2	61.6	58.8	50.4	47.6	47.6	47.6



REPORT NUMBER: P690954

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	89.6	86.8	81.2	75.6	70.0	64.4	58.8	47.6	44.8	44.8	44.8
115°	95.2	89.6	84.0	78.4	72.8	67.2	61.6	47.6	44.8	44.8	44.8
117.5°	103.6	98.0	89.6	84.0	78.4	70.0	61.6	50.4	44.8	44.8	44.8
120°	117.6	109.2	100.8	92.4	84.0	75.6	64.4	50.4	42.0	44.8	44.8
122.5°	134.4	126.0	112.0	100.8	92.4	81.2	67.2	53.2	42.0	44.8	44.8
125°	156.8	145.6	128.8	114.8	100.8	86.8	70.0	53.2	42.0	44.8	47.6
127.5°	182.0	165.2	145.6	126.0	109.2	92.4	75.6	56.0	42.0	47.6	47.6
130°	210.0	190.4	165.2	140.0	120.4	98.0	78.4	56.0	44.8	44.8	44.8
132.5°	240.8	212.8	179.2	151.2	126.0	100.8	78.4	56.0	44.8	44.8	44.8
135°	263.2	229.6	193.2	159.6	131.6	103.6	81.2	56.0	42.0	42.0	42.0
137.5°	282.8	243.6	204.4	165.2	134.4	103.6	78.4	53.2	42.0	39.2	39.2
140°	294.0	249.2	204.4	165.2	131.6	100.8	72.8	50.4	36.4	36.4	36.4
142.5°	294.0	246.4	201.6	159.6	123.2	95.2	70.0	44.8	33.6	33.6	33.6
145°	282.8	235.2	190.4	151.2	114.8	86.8	61.6	42.0	30.8	30.8	30.8
147.5°	263.2	215.6	173.6	137.2	100.8	75.6	53.2	33.6	25.2	25.2	25.2
150°	235.2	190.4	151.2	117.6	86.8	61.6	44.8	28.0	19.6	19.6	19.6
152.5°	196.0	159.6	123.2	98.0	70.0	50.4	33.6	22.4	16.8	16.8	16.8
155°	154.0	126.0	98.0	75.6	53.2	36.4	25.2	16.8	11.2	11.2	11.2
157.5°	117.6	95.2	72.8	56.0	39.2	28.0	19.6	11.2	8.4	8.4	8.4
160°	81.2	64.4	50.4	39.2	25.2	19.6	14.0	8.4	5.6	5.6	5.6
162.5°	53.2	42.0	30.8	22.4	16.8	11.2	8.4	5.6	2.8	2.8	2.8
165°	25.2	19.6	16.8	11.2	8.4	5.6	2.8	2.8	0.0	0.0	0.0
167.5°	8.4	5.6	5.6	2.8	2.8	2.8	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)