

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: P690922

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690922
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-C01-D-U-T2-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982.9 lumens
Efficiency: N/A
Efficacy: 114.5 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



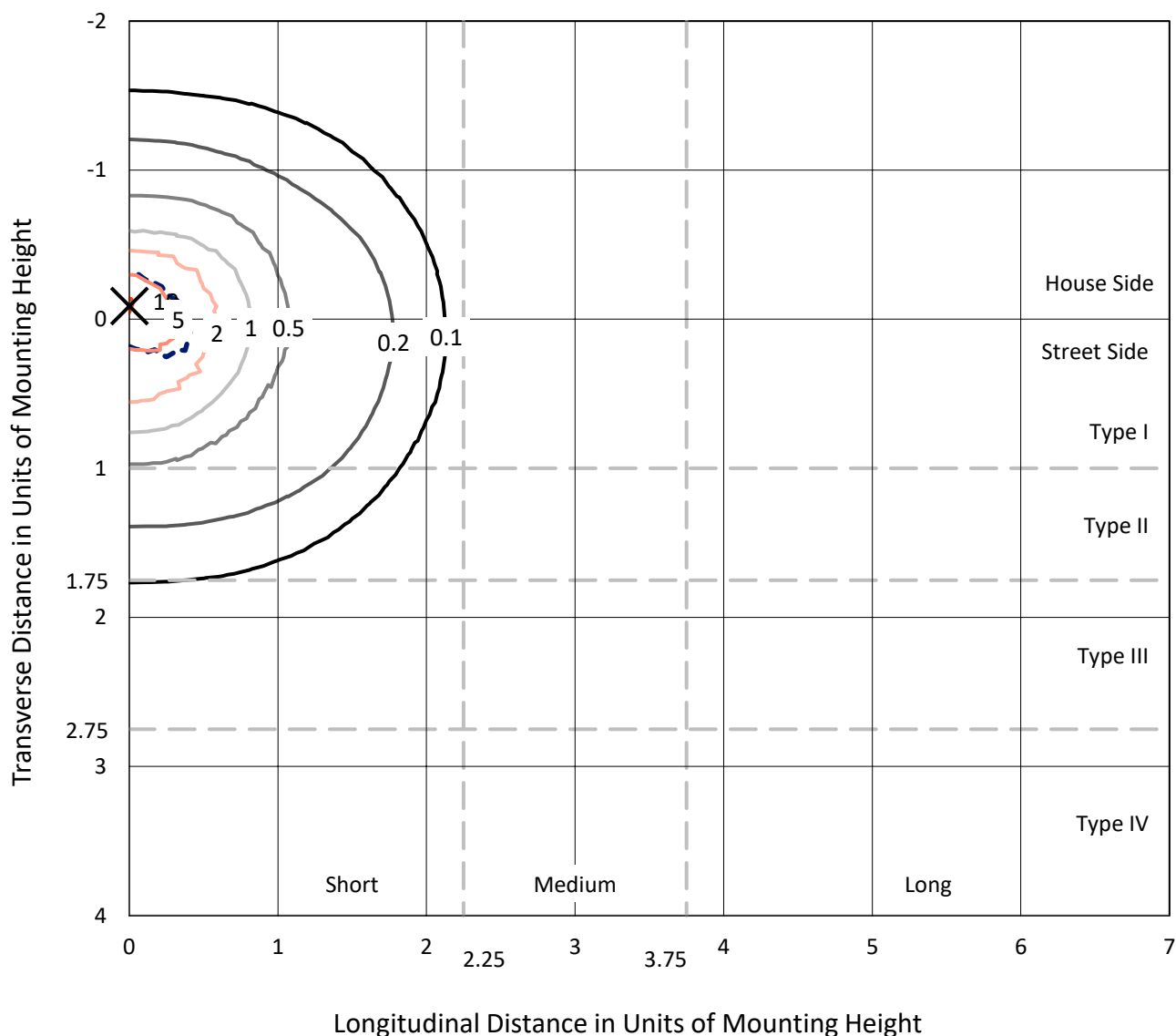
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

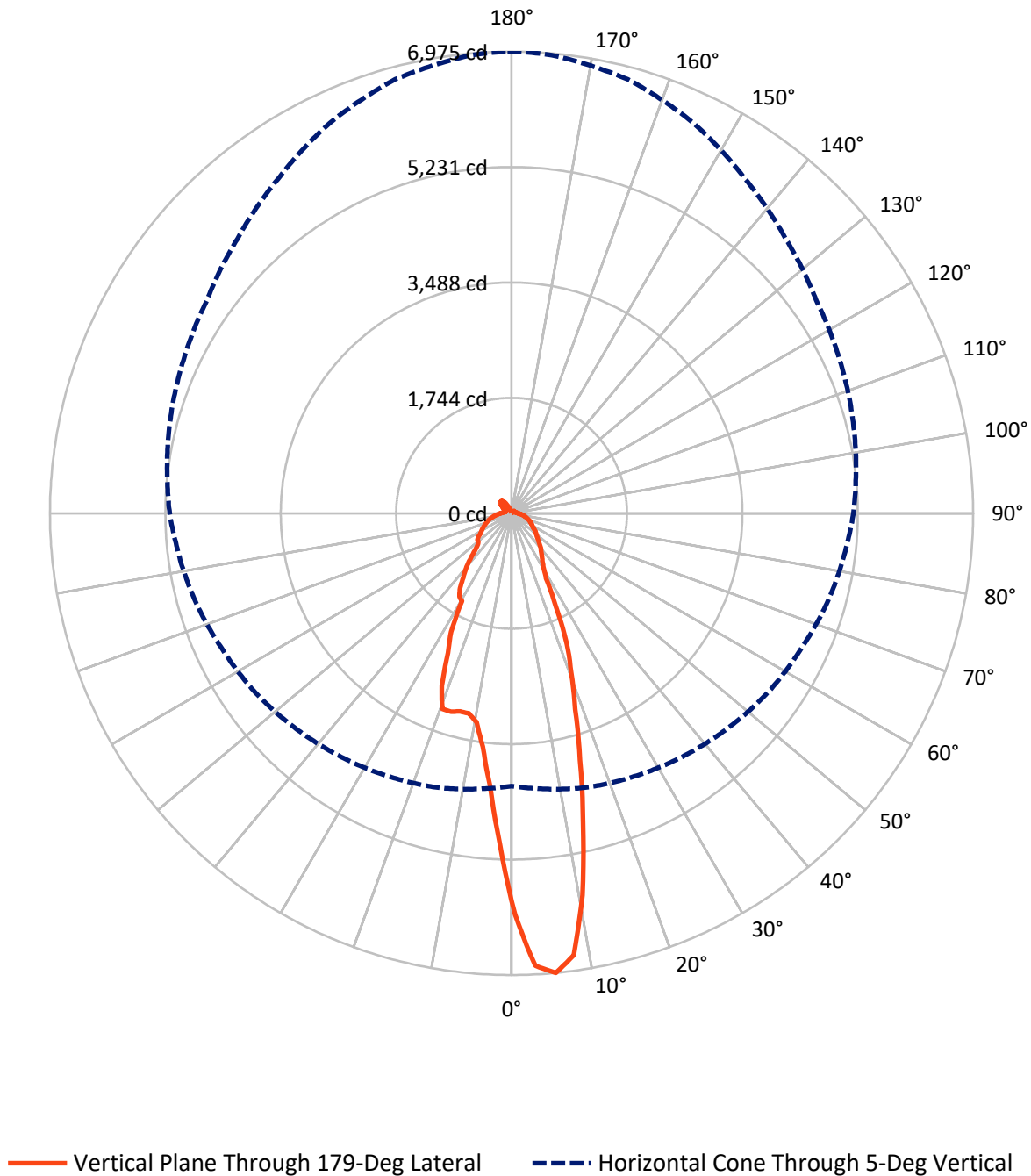


Based on 25 foot mounting height. Maximum calculated value = 10.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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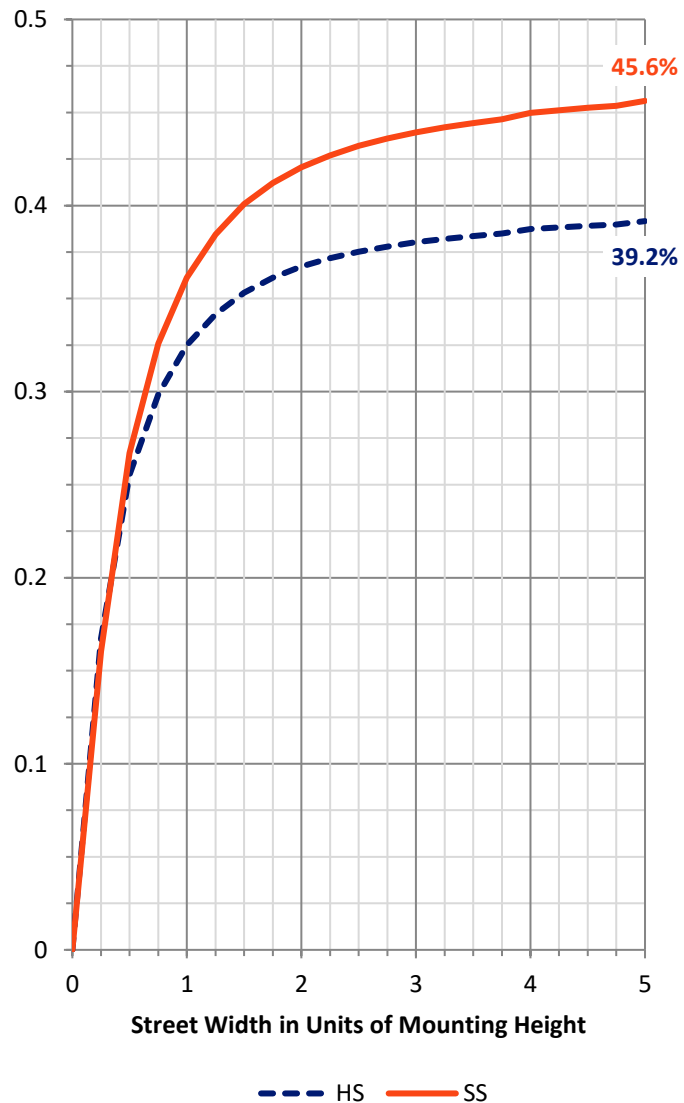
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2810.0	341.6	3151.6
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3261.6	569.7	3831.2
	% Fixture	46.7	8.2	54.9
Total	Lumens	6071.6	911.3	6982.9
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.7	6.8
10°-20°	1010.7	14.5
20°-30°	1098.0	15.7
30°-40°	812.7	11.6
40°-50°	680.6	9.7
50°-60°	684.3	9.8
60°-70°	582.5	8.3
70°-80°	435.1	6.2
80°-90°	293.8	4.2
90°-100°	175.6	2.5
100°-110°	101.4	1.5
110°-120°	93.4	1.3
120°-130°	135.0	1.9
130°-140°	184.8	2.6
140°-150°	152.3	2.2
150°-160°	61.3	0.9
160°-170°	7.5	0.1
170°-180°	0.0	0.0
0°-90°	6071.6	86.9
0°-180°	6982.9	100.0

Coefficient of Utilization



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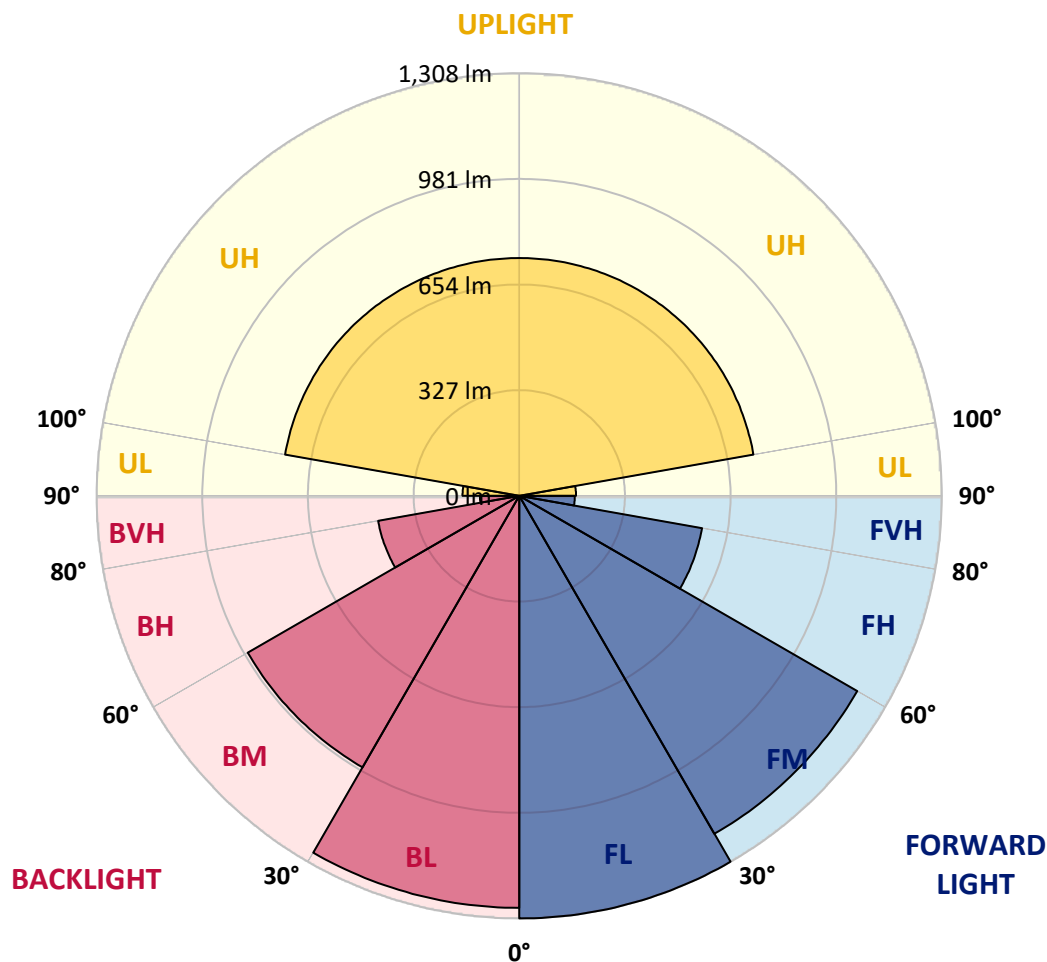
CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1307.6	18.7			
FM	(30°-60°)	1207.6	17.3			
FH	(60°-80°)	574.3	8.2			G0/660
FVH	(80°-90°)	172.0	2.5			G2/225
BL	(0°-30°)	1274.9	18.3	B3/2500		
BM	(30°-60°)	970.0	13.9	B1/1000		
BH	(60°-80°)	443.4	6.3	B1/500		G1/500
BVH	(80°-90°)	121.8	1.7			G2/225
UL	(90°-100°)	175.6	2.5		U3/500	
UH	(100°-180°)	735.8	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5
2.5°	4995.5	5023.5	5085.1	5115.9	5146.7	5185.9	5244.7	5289.5	5393.1	5488.3	5527.5
5°	4121.8	4172.2	4289.8	4385.0	4491.4	4603.4	4723.8	4830.3	4967.5	5093.5	5166.3
7.5°	3542.2	3584.2	3724.2	3909.0	4096.6	4253.4	4376.6	4457.8	4519.4	4569.8	4623.0
10°	3189.4	3225.8	3365.8	3531.0	3690.6	3836.2	3939.8	4018.2	4040.6	4091.0	4116.2
12.5°	3088.6	3105.4	3203.4	3318.2	3416.2	3559.0	3682.2	3766.2	3802.6	3847.4	3861.4
15°	3091.4	3091.4	3147.4	3220.2	3309.8	3419.0	3556.2	3657.0	3710.2	3735.4	3732.6
17.5°	3133.4	3130.6	3155.8	3214.6	3290.2	3399.4	3539.4	3643.0	3704.6	3713.0	3704.6
20°	3133.4	3136.2	3144.6	3211.8	3284.6	3382.6	3525.4	3612.2	3659.8	3634.6	3606.6
22.5°	2814.1	2811.3	2884.2	3027.0	3223.0	3427.4	3556.2	3662.6	3673.8	3581.4	3505.8
25°	2324.1	2304.5	2346.5	2410.9	2542.5	2780.5	3049.4	3452.6	3693.4	3640.2	3525.4
27.5°	2016.1	1990.9	2027.3	1999.3	1985.3	1968.5	1951.7	1904.1	1934.9	1962.9	2086.1
30°	1520.5	1526.1	1534.5	1551.3	1584.9	1652.1	1722.1	1764.1	1800.5	1873.3	1864.9
32.5°	1486.9	1484.1	1486.9	1503.7	1520.5	1562.5	1604.5	1626.9	1654.9	1724.9	1708.1
35°	1374.9	1369.3	1388.9	1397.3	1394.5	1405.7	1447.7	1472.9	1498.1	1542.9	1526.1
37.5°	1209.7	1215.3	1257.3	1279.7	1288.1	1313.3	1346.9	1369.3	1400.1	1433.7	1425.3
40°	1086.5	1083.7	1128.5	1159.3	1178.9	1218.1	1268.5	1302.1	1352.5	1380.5	1360.9
42.5°	935.2	946.4	980.1	1010.9	1016.5	1036.1	1080.9	1120.1	1181.7	1223.7	1212.5
45°	786.8	795.2	823.2	848.4	868.0	893.2	926.8	960.5	1010.9	1044.5	1041.7
47.5°	694.4	702.8	725.2	756.0	784.0	820.4	854.0	887.6	935.2	960.5	952.1
50°	658.0	663.6	688.8	722.4	764.4	809.2	854.0	890.4	935.2	952.1	938.0
52.5°	655.2	655.2	686.0	736.4	795.2	856.8	915.6	966.1	1008.1	1008.1	980.1
55°	616.0	621.6	660.8	728.0	817.6	918.4	1022.1	1117.3	1173.3	1162.1	1108.9
57.5°	560.0	562.8	604.8	669.2	764.4	887.6	1027.7	1148.1	1215.3	1229.3	1173.3
60°	526.4	529.2	557.2	618.8	700.0	798.0	926.8	1022.1	1089.3	1131.3	1086.5
62.5°	498.4	498.4	526.4	568.4	635.6	708.4	781.2	845.6	898.8	929.6	904.4
65°	467.6	467.6	487.2	526.4	579.6	649.6	705.6	753.2	800.8	823.2	800.8
67.5°	436.8	436.8	456.4	492.8	540.4	599.2	655.2	700.0	747.6	764.4	747.6
70°	406.0	406.0	425.6	456.4	501.2	557.2	599.2	646.8	691.6	702.8	688.8
72.5°	375.2	375.2	394.8	422.8	462.0	515.2	554.4	590.8	632.8	641.2	627.2
75°	347.2	347.2	361.2	389.2	425.6	473.2	512.4	546.0	579.6	579.6	568.4
77.5°	316.4	319.2	330.4	355.6	389.2	434.0	470.4	501.2	529.2	529.2	515.2
80°	285.6	288.4	299.6	322.0	352.8	394.8	428.4	456.4	481.6	481.6	467.6
82.5°	254.8	257.6	268.8	288.4	316.4	355.6	389.2	417.2	439.6	436.8	422.8
85°	226.8	229.6	238.0	254.8	280.0	319.2	350.0	375.2	394.8	392.0	380.8
87.5°	198.8	201.6	210.0	224.0	246.4	282.8	313.6	336.0	352.8	350.0	338.8
90°	173.6	173.6	182.0	196.0	215.6	246.4	274.4	294.0	310.8	305.2	294.0
92.5°	151.2	154.0	159.6	170.8	187.6	215.6	240.8	257.6	274.4	271.6	260.4
95°	134.4	134.4	140.0	148.4	162.4	184.8	210.0	224.0	235.2	235.2	226.8
97.5°	117.6	120.4	123.2	128.8	140.0	156.8	176.4	190.4	198.8	198.8	193.2
100°	106.4	109.2	109.2	114.8	120.4	131.6	145.6	156.8	165.2	165.2	162.4
102.5°	100.8	100.8	100.8	103.6	106.4	112.0	120.4	126.0	131.6	134.4	131.6
105°	95.2	95.2	95.2	98.0	98.0	103.6	106.4	112.0	114.8	114.8	112.0
107.5°	92.4	92.4	95.2	95.2	95.2	98.0	103.6	103.6	106.4	103.6	103.6
110°	95.2	95.2	95.2	95.2	95.2	98.0	100.8	100.8	100.8	100.8	98.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	98.0	98.0	98.0	98.0	100.8	100.8	100.8	103.6	103.6	100.8	100.8
115°	106.4	106.4	106.4	106.4	106.4	109.2	109.2	109.2	109.2	106.4	103.6
117.5°	114.8	114.8	114.8	117.6	117.6	120.4	117.6	120.4	117.6	114.8	114.8
120°	128.8	128.8	131.6	134.4	137.2	137.2	134.4	137.2	137.2	131.6	128.8
122.5°	145.6	145.6	148.4	156.8	159.6	162.4	159.6	159.6	159.6	154.0	151.2
125°	162.4	165.2	170.8	182.0	190.4	196.0	190.4	193.2	193.2	184.8	182.0
127.5°	182.0	184.8	196.0	212.8	226.8	232.4	229.6	232.4	235.2	221.2	215.6
130°	201.6	201.6	218.4	243.6	263.2	271.6	274.4	277.2	280.0	266.0	254.8
132.5°	218.4	218.4	240.8	271.6	296.8	310.8	316.4	322.0	327.6	308.0	294.0
135°	229.6	232.4	260.4	296.8	327.6	347.2	355.6	361.2	369.6	347.2	330.4
137.5°	238.0	243.6	271.6	310.8	344.4	372.4	389.2	397.6	403.2	380.8	358.4
140°	240.8	243.6	274.4	313.6	347.2	378.0	403.2	417.2	420.0	397.6	375.2
142.5°	232.4	238.0	266.0	305.2	338.8	372.4	400.4	414.4	417.2	397.6	375.2
145°	221.2	224.0	249.2	285.6	319.2	355.6	386.4	400.4	400.4	383.6	361.2
147.5°	201.6	204.4	226.8	257.6	291.2	327.6	358.4	372.4	375.2	358.4	338.8
150°	173.6	176.4	193.2	218.4	252.0	288.4	316.4	333.2	333.2	316.4	302.4
152.5°	140.0	142.8	156.8	176.4	204.4	238.0	263.2	280.0	280.0	268.8	252.0
155°	109.2	109.2	120.4	137.2	156.8	182.0	201.6	215.6	218.4	207.2	196.0
157.5°	78.4	78.4	86.8	100.8	117.6	137.2	151.2	162.4	162.4	154.0	148.4
160°	53.2	53.2	58.8	67.2	78.4	92.4	103.6	114.8	114.8	109.2	103.6
162.5°	28.0	28.0	33.6	39.2	47.6	58.8	64.4	72.8	72.8	70.0	67.2
165°	8.4	8.4	11.2	14.0	19.6	25.2	28.0	33.6	36.4	33.6	30.8
167.5°	0.0	0.0	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	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5	6059.5
2.5°	5569.5	5745.9	5905.5	6070.7	6275.1	6454.3	6647.6	6784.8	6843.6	6843.6	6866.0
5°	5219.5	5342.7	5471.5	5617.1	5860.7	6160.3	6504.7	6787.6	6950.0	6975.2	6972.4
7.5°	4639.8	4723.8	4855.5	5017.9	5241.9	5510.7	5953.1	6395.5	6689.6	6742.8	6723.2
10°	4130.2	4208.6	4287.0	4348.6	4508.2	4721.0	5045.9	5477.1	5815.9	5869.1	5827.1
12.5°	3869.8	3895.0	3892.2	3928.6	3993.0	4099.4	4264.6	4513.8	4746.3	4796.7	4760.3
15°	3732.6	3696.2	3640.2	3575.8	3570.2	3587.0	3629.0	3729.8	3827.8	3869.8	3841.8
17.5°	3676.6	3589.8	3475.0	3349.0	3265.0	3186.6	3133.4	3099.8	3113.8	3116.6	3094.2
20°	3545.0	3441.4	3256.6	3077.4	2943.0	2805.7	2688.1	2601.3	2587.3	2573.3	2556.5
22.5°	3396.6	3220.2	2999.0	2780.5	2581.7	2399.7	2268.1	2164.5	2125.3	2139.3	2130.9
25°	3365.8	3071.8	2802.9	2450.1	2198.1	1993.7	1747.3	1579.3	1503.7	1545.7	1517.7
27.5°	2018.9	2027.3	1876.1	1663.3	1481.3	1360.9	1251.7	1162.1	1111.7	1111.7	1117.3
30°	1828.5	1747.3	1646.5	1514.9	1355.3	1234.9	1114.5	1016.5	963.3	949.3	954.9
32.5°	1671.7	1615.7	1520.5	1394.5	1248.9	1125.7	999.7	910.0	859.6	856.8	854.0
35°	1503.7	1444.9	1366.5	1257.3	1131.3	1016.5	907.2	828.8	784.0	786.8	786.8
37.5°	1388.9	1335.7	1265.7	1162.1	1047.3	932.4	834.4	761.6	725.2	725.2	722.4
40°	1330.1	1268.5	1192.9	1097.7	991.3	870.8	778.4	708.4	677.6	677.6	674.8
42.5°	1201.3	1148.1	1097.7	999.7	893.2	795.2	708.4	646.8	616.0	616.0	616.0
45°	1019.3	988.5	949.3	882.0	795.2	714.0	641.2	582.4	557.2	554.4	554.4
47.5°	940.8	907.2	859.6	798.0	728.0	652.4	582.4	540.4	515.2	515.2	515.2
50°	918.4	879.2	814.8	742.0	669.2	602.0	540.4	501.2	478.8	478.8	481.6
52.5°	949.3	884.8	798.0	708.4	632.8	557.2	504.0	464.8	448.0	448.0	445.2
55°	1055.7	935.2	809.2	700.0	604.8	523.6	467.6	425.6	406.0	406.0	406.0
57.5°	1114.5	971.7	817.6	688.8	579.6	498.4	439.6	394.8	375.2	375.2	375.2
60°	1047.3	929.6	784.0	666.4	560.0	476.0	414.4	372.4	352.8	350.0	347.2
62.5°	876.4	803.6	700.0	602.0	518.0	445.2	394.8	352.8	333.2	333.2	330.4
65°	781.2	719.6	630.0	546.0	476.0	414.4	366.8	333.2	313.6	310.8	310.8
67.5°	728.0	672.0	582.4	504.0	439.6	383.6	338.8	308.0	294.0	288.4	288.4
70°	669.2	607.6	529.2	459.2	400.4	350.0	313.6	282.8	268.8	266.0	263.2
72.5°	610.4	554.4	481.6	414.4	361.2	319.2	285.6	257.6	243.6	240.8	240.8
75°	548.8	495.6	425.6	369.6	324.8	285.6	254.8	232.4	221.2	218.4	215.6
77.5°	498.4	450.8	383.6	330.4	288.4	257.6	229.6	210.0	198.8	198.8	196.0
80°	450.8	406.0	341.6	294.0	257.6	226.8	204.4	187.6	179.2	176.4	176.4
82.5°	406.0	361.2	302.4	260.4	226.8	201.6	179.2	165.2	156.8	156.8	156.8
85°	364.0	322.0	268.8	229.6	198.8	176.4	156.8	142.8	137.2	134.4	137.2
87.5°	322.0	282.8	238.0	201.6	173.6	151.2	134.4	123.2	117.6	117.6	117.6
90°	282.8	246.4	204.4	170.8	148.4	128.8	114.8	103.6	100.8	98.0	98.0
92.5°	249.2	218.4	182.0	154.0	131.6	117.6	103.6	95.2	89.6	89.6	89.6
95°	218.4	190.4	162.4	137.2	120.4	106.4	95.2	86.8	84.0	84.0	84.0
97.5°	187.6	165.2	142.8	123.2	109.2	98.0	86.8	81.2	78.4	75.6	78.4
100°	156.8	140.0	123.2	109.2	98.0	86.8	78.4	72.8	70.0	70.0	70.0
102.5°	126.0	117.6	103.6	92.4	84.0	78.4	70.0	64.4	61.6	61.6	61.6
105°	109.2	100.8	92.4	84.0	78.4	70.0	64.4	58.8	56.0	56.0	56.0
107.5°	100.8	95.2	86.8	81.2	72.8	67.2	61.6	53.2	50.4	50.4	50.4
110°	98.0	92.4	86.8	78.4	72.8	67.2	61.6	50.4	47.6	47.6	47.6



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CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	98.0	92.4	86.8	81.2	75.6	67.2	61.6	50.4	44.8	44.8	44.8
115°	103.6	98.0	92.4	86.8	78.4	70.0	64.4	50.4	44.8	44.8	44.8
117.5°	112.0	106.4	100.8	92.4	84.0	75.6	64.4	50.4	47.6	47.6	47.6
120°	126.0	120.4	112.0	103.6	92.4	81.2	70.0	53.2	44.8	47.6	47.6
122.5°	145.6	140.0	128.8	114.8	103.6	89.6	72.8	56.0	42.0	47.6	47.6
125°	173.6	165.2	148.4	131.6	114.8	98.0	78.4	58.8	44.8	50.4	50.4
127.5°	204.4	193.2	170.8	148.4	128.8	106.4	84.0	61.6	47.6	50.4	50.4
130°	240.8	221.2	193.2	165.2	140.0	114.8	89.6	64.4	50.4	50.4	50.4
132.5°	277.2	249.2	212.8	182.0	151.2	120.4	92.4	64.4	50.4	50.4	50.4
135°	308.0	274.4	232.4	193.2	156.8	123.2	95.2	64.4	50.4	50.4	50.4
137.5°	336.0	291.2	243.6	198.8	159.6	123.2	92.4	64.4	47.6	47.6	47.6
140°	350.0	299.6	249.2	198.8	156.8	120.4	86.8	58.8	44.8	44.8	44.8
142.5°	350.0	296.8	243.6	193.2	151.2	114.8	81.2	56.0	39.2	42.0	42.0
145°	338.8	285.6	232.4	182.0	140.0	103.6	72.8	47.6	36.4	36.4	36.4
147.5°	313.6	263.2	212.8	165.2	126.0	89.6	64.4	42.0	30.8	28.0	30.8
150°	280.0	232.4	184.8	142.8	106.4	75.6	53.2	33.6	25.2	25.2	25.2
152.5°	235.2	193.2	154.0	117.6	84.0	58.8	39.2	25.2	19.6	19.6	19.6
155°	184.8	151.2	120.4	89.6	64.4	44.8	30.8	19.6	14.0	14.0	14.0
157.5°	140.0	114.8	89.6	64.4	47.6	33.6	22.4	14.0	11.2	11.2	11.2
160°	98.0	78.4	61.6	44.8	30.8	22.4	14.0	8.4	5.6	5.6	5.6
162.5°	61.6	50.4	39.2	25.2	19.6	14.0	8.4	5.6	2.8	2.8	2.8
165°	28.0	25.2	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	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)