

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: P691666

Luminaire Tested: **CRTK2-C018-D-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691666
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-C018-D-U-T2-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5696 lumens
Efficiency: N/A
Efficacy: 113.0 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): 50.4
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



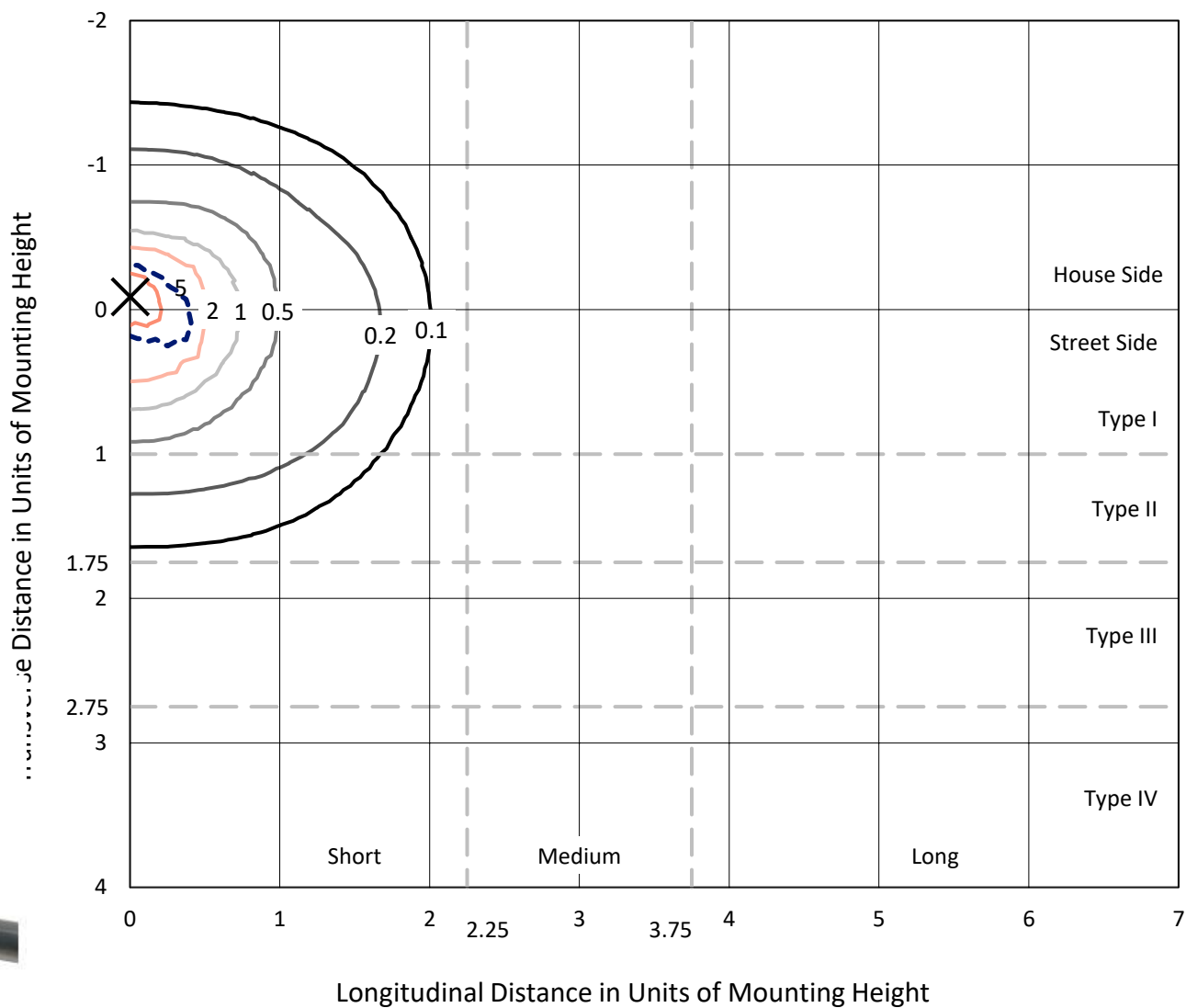
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

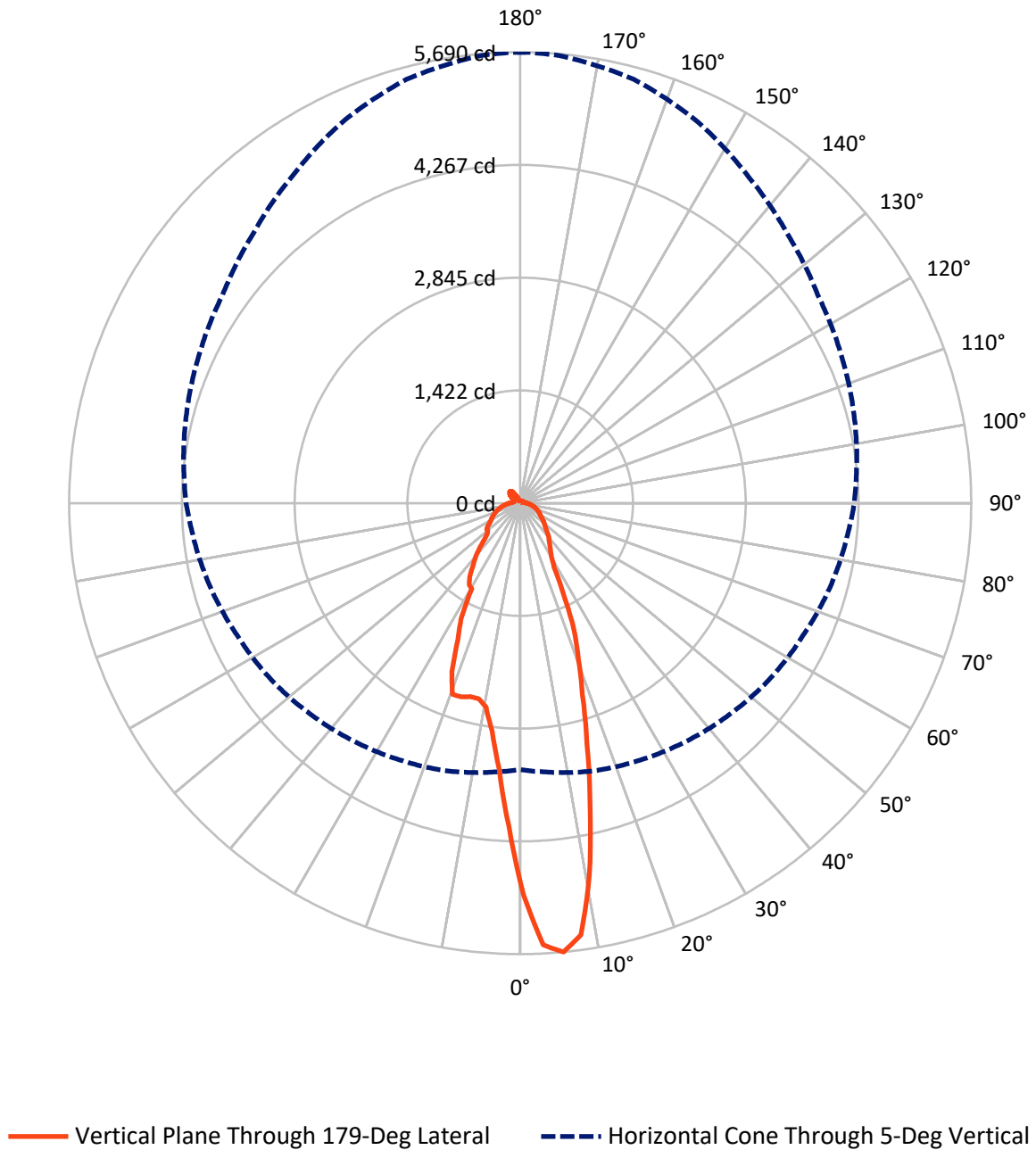


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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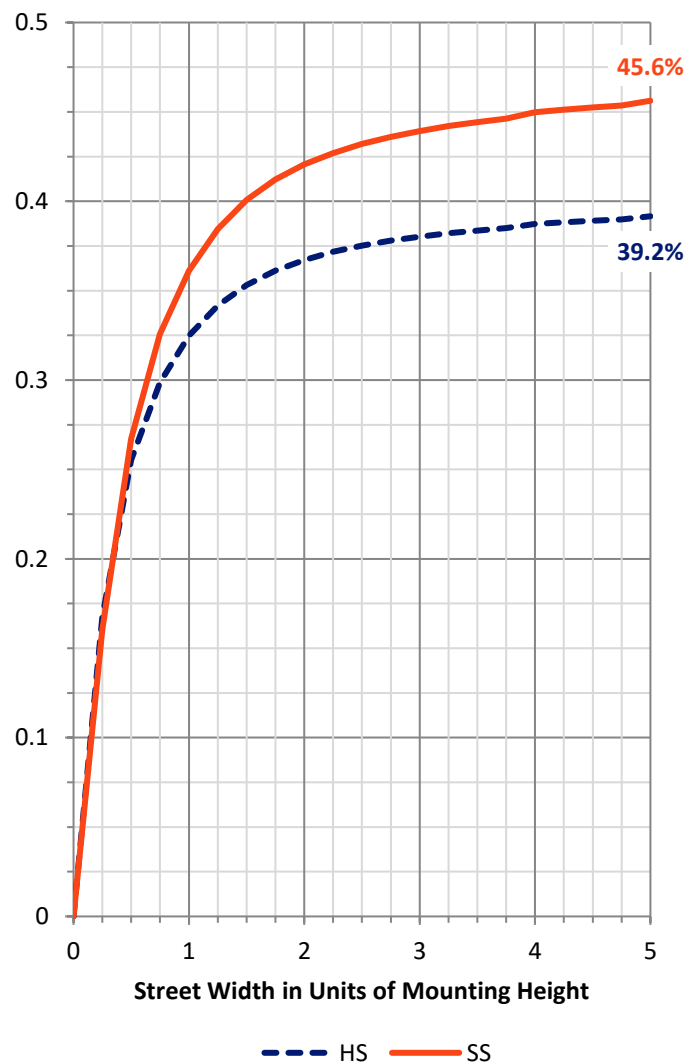
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2292.1	278.7	2570.8
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	2660.5	464.7	3125.2
	% Fixture	46.7	8.2	54.9
Total	Lumens	4952.6	743.4	5696.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.4	6.8
10°-20°	824.4	14.5
20°-30°	895.6	15.7
30°-40°	662.9	11.6
40°-50°	555.2	9.7
50°-60°	558.2	9.8
60°-70°	475.2	8.3
70°-80°	355.0	6.2
80°-90°	239.6	4.2
90°-100°	143.2	2.5
100°-110°	82.7	1.5
110°-120°	76.2	1.3
120°-130°	110.1	1.9
130°-140°	150.7	2.6
140°-150°	124.2	2.2
150°-160°	50.0	0.9
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-90°	4952.6	86.9
0°-180°	5696.0	100.0

Coefficient of Utilization



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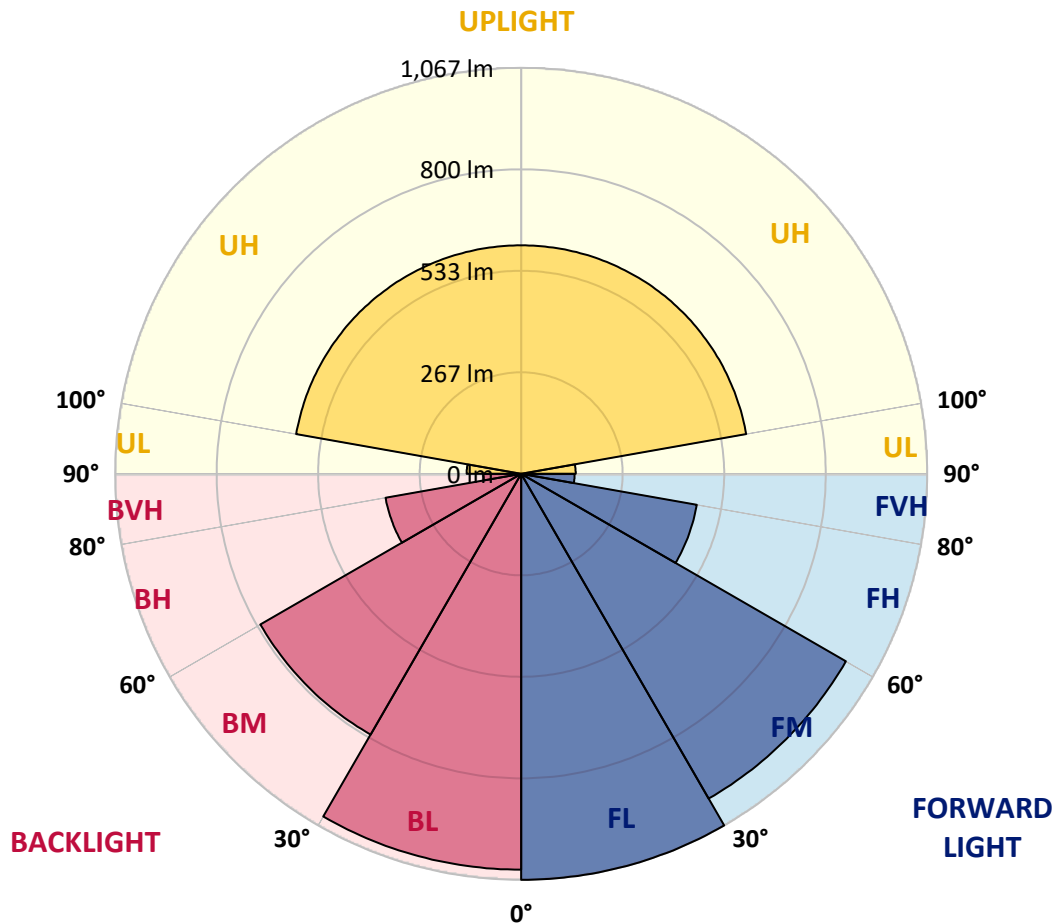
CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1066.6	18.7			
FM	(30°-60°)	985.0	17.3			
FH	(60°-80°)	468.5	8.2			G0/660
FVH	(80°-90°)	140.3	2.5			G2/225
BL	(0°-30°)	1039.9	18.3	B3/2500		
BM	(30°-60°)	791.2	13.9	B1/1000		
BH	(60°-80°)	361.7	6.3	B1/500		G1/500
BVH	(80°-90°)	99.3	1.7			G1/100
UL	(90°-100°)	143.2	2.5		U3/500	
UH	(100°-180°)	600.2	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°	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7
2.5°	4074.8	4097.6	4147.9	4173.0	4198.1	4230.1	4278.1	4314.6	4399.1	4476.8	4508.7
5°	3362.1	3403.3	3499.2	3576.8	3663.6	3755.0	3853.2	3940.0	4051.9	4154.7	4214.1
7.5°	2889.3	2923.6	3037.8	3188.6	3341.6	3469.5	3570.0	3636.2	3686.5	3727.6	3771.0
10°	2601.6	2631.2	2745.4	2880.2	3010.4	3129.2	3213.7	3277.6	3295.9	3337.0	3357.6
12.5°	2519.3	2533.0	2613.0	2706.6	2786.6	2903.0	3003.5	3072.1	3101.8	3138.3	3149.7
15°	2521.6	2521.6	2567.3	2626.7	2699.8	2788.8	2900.8	2983.0	3026.4	3046.9	3044.7
17.5°	2555.9	2553.6	2574.1	2622.1	2683.8	2772.9	2887.1	2971.6	3021.8	3028.7	3021.8
20°	2555.9	2558.2	2565.0	2619.8	2679.2	2759.2	2875.6	2946.4	2985.3	2964.7	2941.9
22.5°	2295.5	2293.2	2352.6	2469.1	2629.0	2795.7	2900.8	2987.6	2996.7	2921.3	2859.7
25°	1895.8	1879.8	1914.0	1966.6	2073.9	2268.1	2487.3	2816.3	3012.7	2969.3	2875.6
27.5°	1644.5	1624.0	1653.7	1630.8	1619.4	1605.7	1592.0	1553.2	1578.3	1601.1	1701.6
30°	1240.2	1244.8	1251.7	1265.4	1292.8	1347.6	1404.7	1439.0	1468.7	1528.0	1521.2
32.5°	1212.8	1210.6	1212.8	1226.5	1240.2	1274.5	1308.8	1327.0	1349.9	1407.0	1393.3
35°	1121.5	1116.9	1132.9	1139.7	1137.5	1146.6	1180.9	1201.4	1222.0	1258.5	1244.8
37.5°	986.7	991.3	1025.5	1043.8	1050.7	1071.2	1098.6	1116.9	1142.0	1169.4	1162.6
40°	886.2	883.9	920.5	945.6	961.6	993.6	1034.7	1062.1	1103.2	1126.0	1110.1
42.5°	762.9	772.0	799.4	824.5	829.1	845.1	881.7	913.6	963.9	998.1	989.0
45°	641.8	648.7	671.5	692.1	708.1	728.6	756.0	783.4	824.5	852.0	849.7
47.5°	566.4	573.3	591.6	616.7	639.5	669.2	696.6	724.0	762.9	783.4	776.6
50°	536.8	541.3	561.9	589.3	623.6	660.1	696.6	726.3	762.9	776.6	765.2
52.5°	534.5	534.5	559.6	600.7	648.7	698.9	746.9	788.0	822.3	822.3	799.4
55°	502.5	507.1	539.0	593.9	666.9	749.2	833.7	911.3	957.0	947.9	904.5
57.5°	456.8	459.1	493.4	545.9	623.6	724.0	838.3	936.5	991.3	1002.7	957.0
60°	429.4	431.7	454.5	504.8	571.0	651.0	756.0	833.7	888.5	922.8	886.2
62.5°	406.6	406.6	429.4	463.7	518.5	577.9	637.3	689.8	733.2	758.3	737.8
65°	381.4	381.4	397.4	429.4	472.8	529.9	575.6	614.4	653.2	671.5	653.2
67.5°	356.3	356.3	372.3	402.0	440.8	488.8	534.5	571.0	609.8	623.6	609.8
70°	331.2	331.2	347.2	372.3	408.8	454.5	488.8	527.6	564.2	573.3	561.9
72.5°	306.1	306.1	322.1	344.9	376.9	420.3	452.2	481.9	516.2	523.1	511.6
75°	283.2	283.2	294.6	317.5	347.2	386.0	418.0	445.4	472.8	472.8	463.7
77.5°	258.1	260.4	269.5	290.1	317.5	354.0	383.7	408.8	431.7	431.7	420.3
80°	233.0	235.3	244.4	262.7	287.8	322.1	349.5	372.3	392.9	392.9	381.4
82.5°	207.9	210.1	219.3	235.3	258.1	290.1	317.5	340.3	358.6	356.3	344.9
85°	185.0	187.3	194.1	207.9	228.4	260.4	285.5	306.1	322.1	319.8	310.6
87.5°	162.2	164.5	171.3	182.7	201.0	230.7	255.8	274.1	287.8	285.5	276.4
90°	141.6	141.6	148.5	159.9	175.9	201.0	223.8	239.8	253.5	249.0	239.8
92.5°	123.3	125.6	130.2	139.3	153.0	175.9	196.4	210.1	223.8	221.6	212.4
95°	109.6	109.6	114.2	121.1	132.5	150.7	171.3	182.7	191.9	191.9	185.0
97.5°	95.9	98.2	100.5	105.1	114.2	127.9	143.9	155.3	162.2	162.2	157.6
100°	86.8	89.1	89.1	93.6	98.2	107.4	118.8	127.9	134.8	134.8	132.5
102.5°	82.2	82.2	82.2	84.5	86.8	91.4	98.2	102.8	107.4	109.6	107.4
105°	77.7	77.7	77.7	79.9	79.9	84.5	86.8	91.4	93.6	93.6	91.4
107.5°	75.4	75.4	77.7	77.7	77.7	79.9	84.5	84.5	86.8	84.5	84.5
110°	77.7	77.7	77.7	77.7	77.7	79.9	82.2	82.2	82.2	82.2	79.9

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CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	79.9	79.9	79.9	79.9	82.2	82.2	82.2	84.5	84.5	82.2	82.2
115°	86.8	86.8	86.8	86.8	86.8	89.1	89.1	89.1	89.1	86.8	84.5
117.5°	93.6	93.6	93.6	95.9	95.9	98.2	95.9	98.2	95.9	93.6	93.6
120°	105.1	105.1	107.4	109.6	111.9	111.9	109.6	111.9	111.9	107.4	105.1
122.5°	118.8	118.8	121.1	127.9	130.2	132.5	130.2	130.2	130.2	125.6	123.3
125°	132.5	134.8	139.3	148.5	155.3	159.9	155.3	157.6	157.6	150.7	148.5
127.5°	148.5	150.7	159.9	173.6	185.0	189.6	187.3	189.6	191.9	180.4	175.9
130°	164.5	164.5	178.2	198.7	214.7	221.6	223.8	226.1	228.4	217.0	207.9
132.5°	178.2	178.2	196.4	221.6	242.1	253.5	258.1	262.7	267.2	251.2	239.8
135°	187.3	189.6	212.4	242.1	267.2	283.2	290.1	294.6	301.5	283.2	269.5
137.5°	194.1	198.7	221.6	253.5	280.9	303.8	317.5	324.3	328.9	310.6	292.4
140°	196.4	198.7	223.8	255.8	283.2	308.3	328.9	340.3	342.6	324.3	306.1
142.5°	189.6	194.1	217.0	249.0	276.4	303.8	326.6	338.0	340.3	324.3	306.1
145°	180.4	182.7	203.3	233.0	260.4	290.1	315.2	326.6	326.6	312.9	294.6
147.5°	164.5	166.7	185.0	210.1	237.5	267.2	292.4	303.8	306.1	292.4	276.4
150°	141.6	143.9	157.6	178.2	205.6	235.3	258.1	271.8	271.8	258.1	246.7
152.5°	114.2	116.5	127.9	143.9	166.7	194.1	214.7	228.4	228.4	219.3	205.6
155°	89.1	89.1	98.2	111.9	127.9	148.5	164.5	175.9	178.2	169.0	159.9
157.5°	64.0	64.0	70.8	82.2	95.9	111.9	123.3	132.5	132.5	125.6	121.1
160°	43.4	43.4	48.0	54.8	64.0	75.4	84.5	93.6	93.6	89.1	84.5
162.5°	22.8	22.8	27.4	32.0	38.8	48.0	52.5	59.4	59.4	57.1	54.8
165°	6.9	6.9	9.1	11.4	16.0	20.6	22.8	27.4	29.7	27.4	25.1
167.5°	0.0	0.0	2.3	2.3	2.3	2.3	4.6	6.9	6.9	6.9	6.9
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°	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7	4942.7
2.5°	4543.0	4686.9	4817.1	4951.9	5118.6	5264.8	5422.4	5534.3	5582.3	5582.3	5600.5
5°	4257.5	4358.0	4463.1	4581.8	4780.6	5024.9	5305.9	5536.6	5669.1	5689.6	5687.3
7.5°	3784.7	3853.2	3960.6	4093.0	4275.8	4495.0	4855.9	5216.8	5456.6	5500.0	5484.0
10°	3369.0	3433.0	3496.9	3547.2	3677.3	3850.9	4115.9	4467.6	4744.0	4787.4	4753.1
12.5°	3156.6	3177.1	3174.9	3204.5	3257.1	3343.9	3478.6	3681.9	3871.5	3912.6	3882.9
15°	3044.7	3015.0	2969.3	2916.8	2912.2	2925.9	2960.2	3042.4	3122.3	3156.6	3133.7
17.5°	2999.0	2928.2	2834.5	2731.7	2663.2	2599.3	2555.9	2528.5	2539.9	2542.2	2523.9
20°	2891.6	2807.1	2656.4	2510.2	2400.6	2288.6	2192.7	2121.9	2110.5	2099.1	2085.4
22.5°	2770.6	2626.7	2446.2	2268.1	2105.9	1957.4	1850.1	1765.6	1733.6	1745.0	1738.2
25°	2745.4	2505.6	2286.4	1998.6	1793.0	1626.3	1425.3	1288.2	1226.5	1260.8	1238.0
27.5°	1646.8	1653.7	1530.3	1356.7	1208.3	1110.1	1021.0	947.9	906.8	906.8	911.3
30°	1491.5	1425.3	1343.0	1235.7	1105.5	1007.3	909.1	829.1	785.7	774.3	778.9
32.5°	1363.6	1317.9	1240.2	1137.5	1018.7	918.2	815.4	742.3	701.2	698.9	696.6
35°	1226.5	1178.6	1114.6	1025.5	922.8	829.1	740.0	676.1	639.5	641.8	641.8
37.5°	1132.9	1089.5	1032.4	947.9	854.2	760.6	680.7	621.3	591.6	591.6	589.3
40°	1084.9	1034.7	973.0	895.4	808.6	710.3	635.0	577.9	552.7	552.7	550.5
42.5°	979.9	936.5	895.4	815.4	728.6	648.7	577.9	527.6	502.5	502.5	502.5
45°	831.4	806.3	774.3	719.5	648.7	582.4	523.1	475.1	454.5	452.2	452.2
47.5°	767.4	740.0	701.2	651.0	593.9	532.2	475.1	440.8	420.3	420.3	420.3
50°	749.2	717.2	664.7	605.3	545.9	491.1	440.8	408.8	390.6	390.6	392.9
52.5°	774.3	721.8	651.0	577.9	516.2	454.5	411.1	379.2	365.5	365.5	363.2
55°	861.1	762.9	660.1	571.0	493.4	427.1	381.4	347.2	331.2	331.2	331.2
57.5°	909.1	792.6	666.9	561.9	472.8	406.6	358.6	322.1	306.1	306.1	306.1
60°	854.2	758.3	639.5	543.6	456.8	388.3	338.0	303.8	287.8	285.5	283.2
62.5°	714.9	655.5	571.0	491.1	422.6	363.2	322.1	287.8	271.8	271.8	269.5
65°	637.3	587.0	513.9	445.4	388.3	338.0	299.2	271.8	255.8	253.5	253.5
67.5°	593.9	548.2	475.1	411.1	358.6	312.9	276.4	251.2	239.8	235.3	235.3
70°	545.9	495.6	431.7	374.6	326.6	285.5	255.8	230.7	219.3	217.0	214.7
72.5°	497.9	452.2	392.9	338.0	294.6	260.4	233.0	210.1	198.7	196.4	196.4
75°	447.7	404.3	347.2	301.5	265.0	233.0	207.9	189.6	180.4	178.2	175.9
77.5°	406.6	367.7	312.9	269.5	235.3	210.1	187.3	171.3	162.2	162.2	159.9
80°	367.7	331.2	278.7	239.8	210.1	185.0	166.7	153.0	146.2	143.9	143.9
82.5°	331.2	294.6	246.7	212.4	185.0	164.5	146.2	134.8	127.9	127.9	127.9
85°	296.9	262.7	219.3	187.3	162.2	143.9	127.9	116.5	111.9	109.6	111.9
87.5°	262.7	230.7	194.1	164.5	141.6	123.3	109.6	100.5	95.9	95.9	95.9
90°	230.7	201.0	166.7	139.3	121.1	105.1	93.6	84.5	82.2	79.9	79.9
92.5°	203.3	178.2	148.5	125.6	107.4	95.9	84.5	77.7	73.1	73.1	73.1
95°	178.2	155.3	132.5	111.9	98.2	86.8	77.7	70.8	68.5	68.5	68.5
97.5°	153.0	134.8	116.5	100.5	89.1	79.9	70.8	66.2	64.0	61.7	64.0
100°	127.9	114.2	100.5	89.1	79.9	70.8	64.0	59.4	57.1	57.1	57.1
102.5°	102.8	95.9	84.5	75.4	68.5	64.0	57.1	52.5	50.2	50.2	50.2
105°	89.1	82.2	75.4	68.5	64.0	57.1	52.5	48.0	45.7	45.7	45.7
107.5°	82.2	77.7	70.8	66.2	59.4	54.8	50.2	43.4	41.1	41.1	41.1
110°	79.9	75.4	70.8	64.0	59.4	54.8	50.2	41.1	38.8	38.8	38.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	79.9	75.4	70.8	66.2	61.7	54.8	50.2	41.1	36.5	36.5	36.5
115°	84.5	79.9	75.4	70.8	64.0	57.1	52.5	41.1	36.5	36.5	36.5
117.5°	91.4	86.8	82.2	75.4	68.5	61.7	52.5	41.1	38.8	38.8	38.8
120°	102.8	98.2	91.4	84.5	75.4	66.2	57.1	43.4	36.5	38.8	38.8
122.5°	118.8	114.2	105.1	93.6	84.5	73.1	59.4	45.7	34.3	38.8	38.8
125°	141.6	134.8	121.1	107.4	93.6	79.9	64.0	48.0	36.5	41.1	41.1
127.5°	166.7	157.6	139.3	121.1	105.1	86.8	68.5	50.2	38.8	41.1	41.1
130°	196.4	180.4	157.6	134.8	114.2	93.6	73.1	52.5	41.1	41.1	41.1
132.5°	226.1	203.3	173.6	148.5	123.3	98.2	75.4	52.5	41.1	41.1	41.1
135°	251.2	223.8	189.6	157.6	127.9	100.5	77.7	52.5	41.1	41.1	41.1
137.5°	274.1	237.5	198.7	162.2	130.2	100.5	75.4	52.5	38.8	38.8	38.8
140°	285.5	244.4	203.3	162.2	127.9	98.2	70.8	48.0	36.5	36.5	36.5
142.5°	285.5	242.1	198.7	157.6	123.3	93.6	66.2	45.7	32.0	34.3	34.3
145°	276.4	233.0	189.6	148.5	114.2	84.5	59.4	38.8	29.7	29.7	29.7
147.5°	255.8	214.7	173.6	134.8	102.8	73.1	52.5	34.3	25.1	22.8	25.1
150°	228.4	189.6	150.7	116.5	86.8	61.7	43.4	27.4	20.6	20.6	20.6
152.5°	191.9	157.6	125.6	95.9	68.5	48.0	32.0	20.6	16.0	16.0	16.0
155°	150.7	123.3	98.2	73.1	52.5	36.5	25.1	16.0	11.4	11.4	11.4
157.5°	114.2	93.6	73.1	52.5	38.8	27.4	18.3	11.4	9.1	9.1	9.1
160°	79.9	64.0	50.2	36.5	25.1	18.3	11.4	6.9	4.6	4.6	4.6
162.5°	50.2	41.1	32.0	20.6	16.0	11.4	6.9	4.6	2.3	2.3	2.3
165°	22.8	20.6	13.7	9.1	6.9	4.6	2.3	2.3	0.0	0.0	0.0
167.5°	6.9	4.6	4.6	2.3	2.3	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)