

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: P691606

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691606
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-C018-5TLD-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6642 lumens
Efficiency: N/A
Efficacy: 123.7 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): 53.7
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



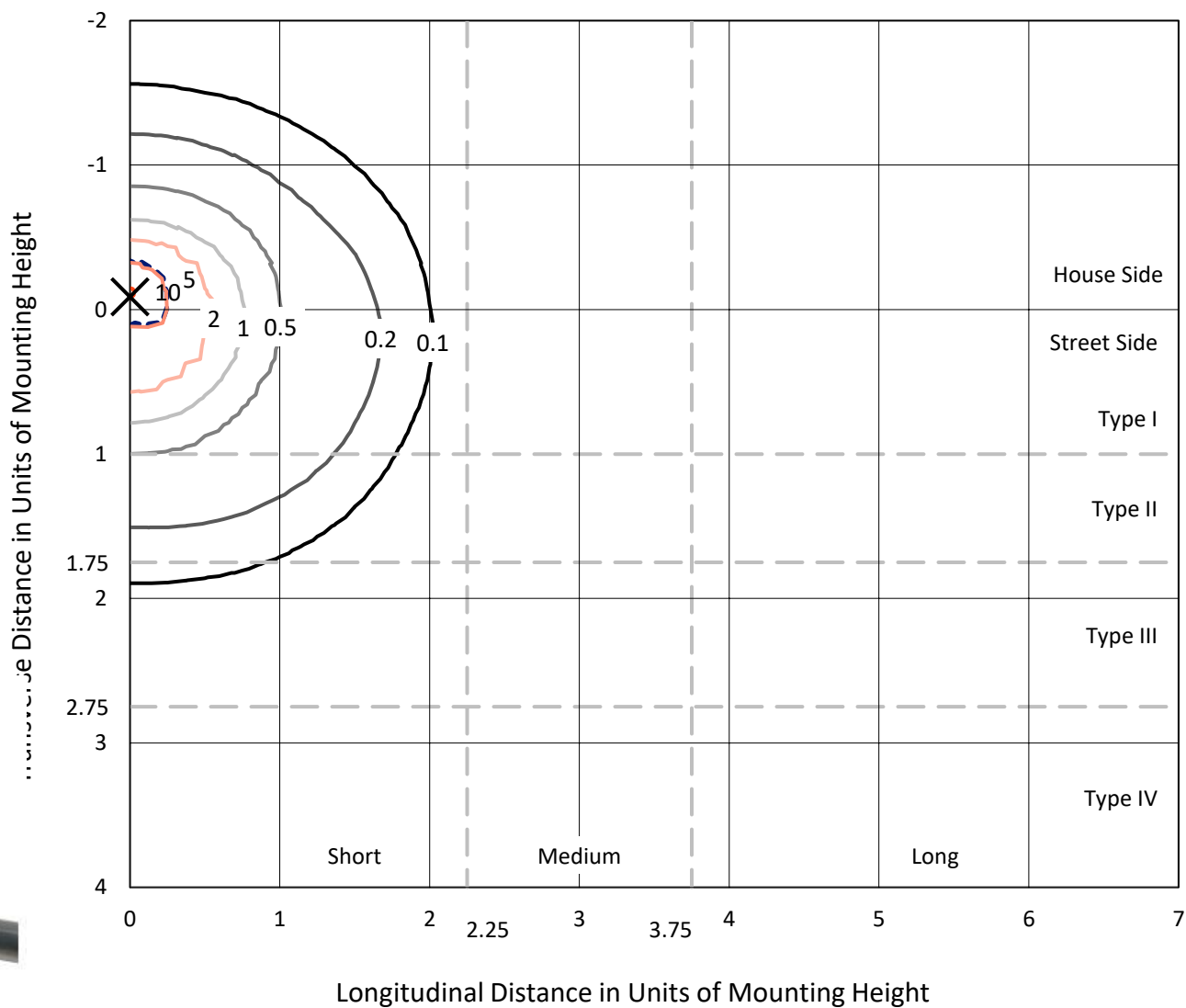
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

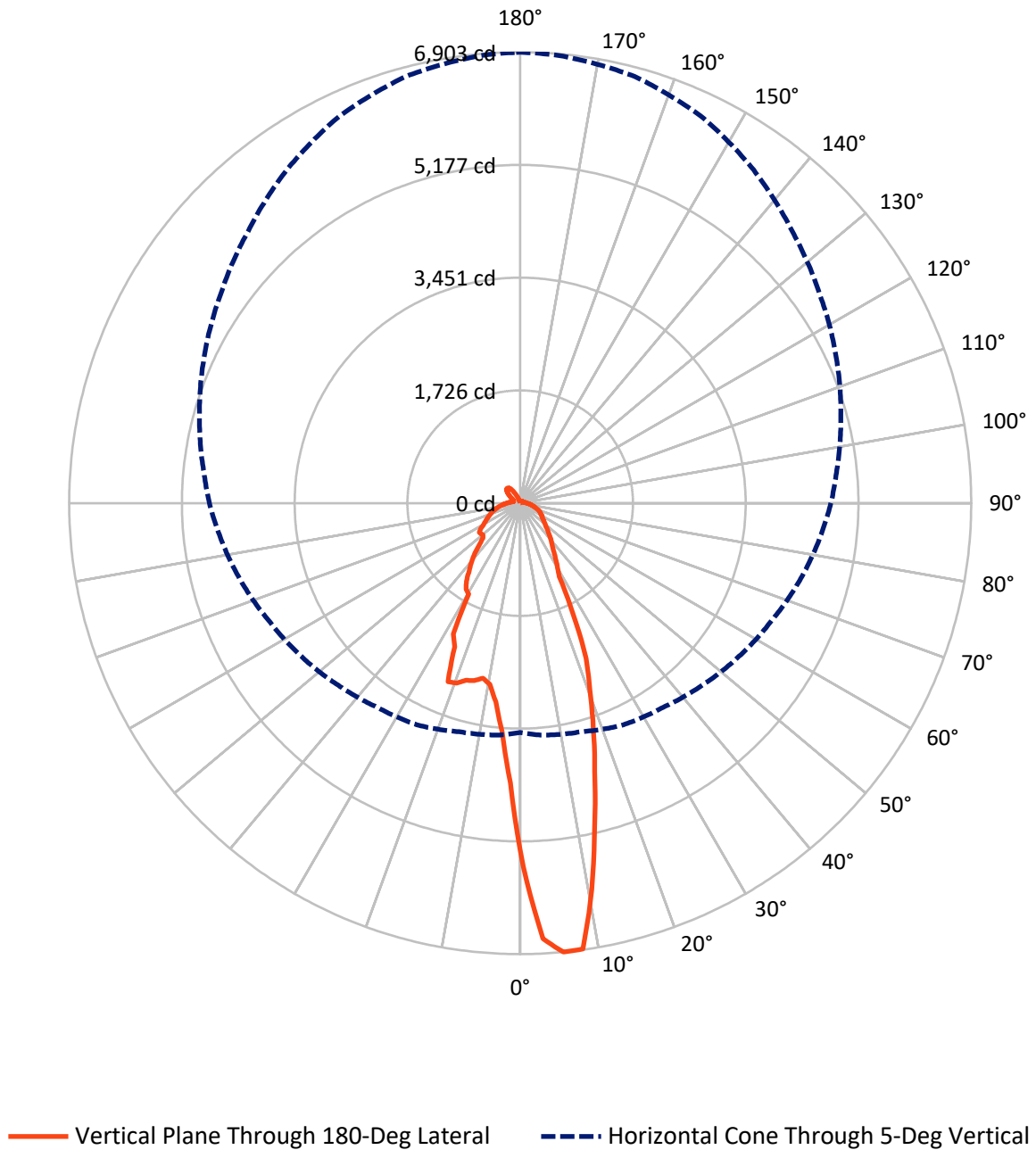


Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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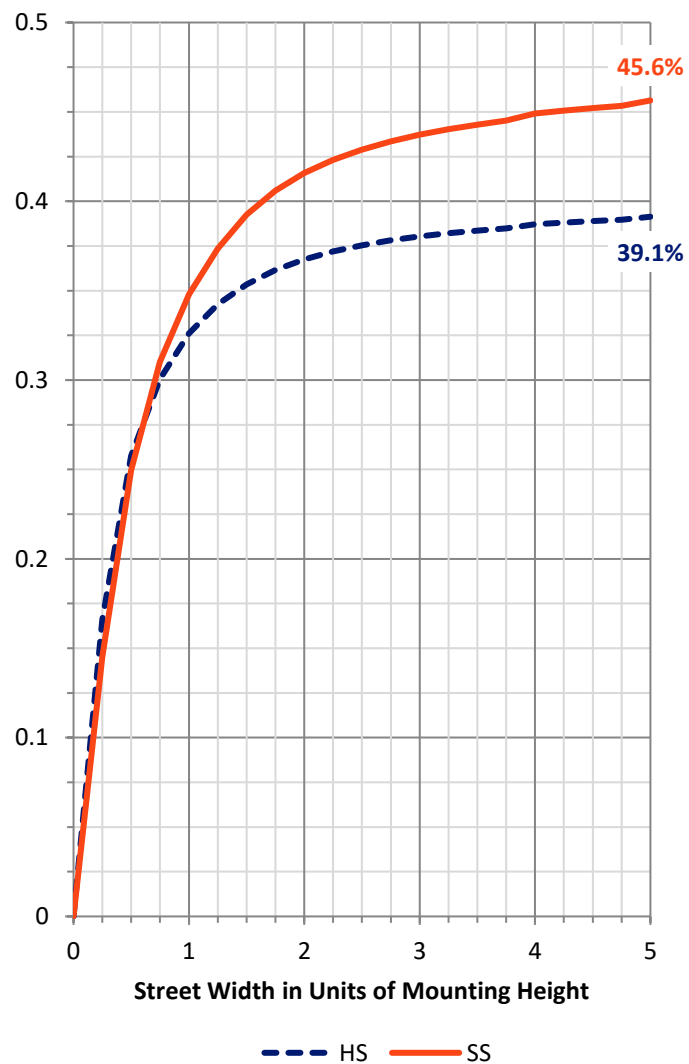
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2669.5	286.3	2955.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3115.3	570.9	3686.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	5784.8	857.2	6642.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.5	6.7
10°-20°	957.5	14.4
20°-30°	1054.3	15.9
30°-40°	774.7	11.7
40°-50°	649.1	9.8
50°-60°	651.3	9.8
60°-70°	557.8	8.4
70°-80°	415.6	6.3
80°-90°	278.1	4.2
90°-100°	165.2	2.5
100°-110°	95.9	1.4
110°-120°	89.2	1.3
120°-130°	129.4	1.9
130°-140°	174.1	2.6
140°-150°	141.0	2.1
150°-160°	55.7	0.8
160°-170°	6.8	0.1
170°-180°	0.0	0.0
0°-90°	5784.8	87.1
0°-180°	6642.0	100.0

Coefficient of Utilization



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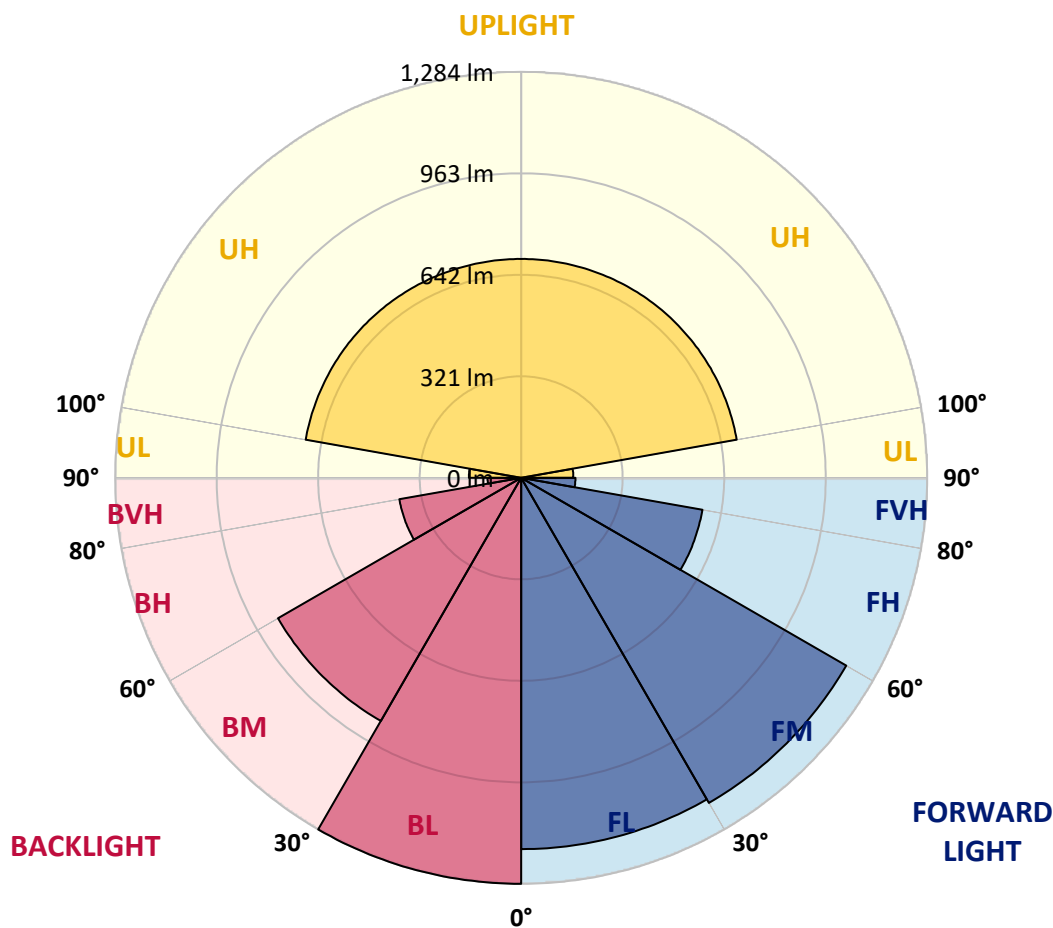
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1174.4	17.7			
FM	(30°-60°)	1187.2	17.9			
FH	(60°-80°)	582.1	8.8			G0/660
FVH	(80°-90°)	171.7	2.6			G2/225
BL	(0°-30°)	1284.0	19.3	B3/2500		
BM	(30°-60°)	887.9	13.4	B1/1000		
BH	(60°-80°)	391.3	5.9	B1/500		G1/500
BVH	(80°-90°)	106.4	1.6			G2/225
UL	(90°-100°)	165.2	2.5		U3/500	
UH	(100°-180°)	692.0	10.4		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°	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0
2.5°	4283.4	4346.7	4378.4	4473.3	4505.0	4565.6	4657.9	4750.3	4905.9	5021.9	5111.6
5°	3510.6	3563.4	3621.4	3742.7	3813.9	3940.5	4088.2	4246.5	4446.9	4650.0	4755.5
7.5°	3059.6	3072.8	3157.2	3304.9	3434.1	3568.6	3729.5	3866.7	4003.8	4170.0	4275.5
10°	2811.6	2830.1	2885.5	2998.9	3109.7	3220.5	3347.1	3452.6	3592.4	3732.2	3795.5
12.5°	2737.8	2745.7	2793.2	2859.1	2930.3	3001.6	3099.1	3194.1	3318.1	3439.4	3481.6
15°	2803.7	2803.7	2811.6	2838.0	2874.9	2930.3	3004.2	3086.0	3199.4	3289.0	3333.9
17.5°	2835.4	2838.0	2859.1	2864.4	2898.7	2922.4	2988.4	3051.7	3159.8	3233.7	3257.4
20°	2919.8	2919.8	2922.4	2935.6	2940.9	2954.1	2983.1	3017.4	3107.1	3146.6	3141.3
22.5°	2946.2	2935.6	2977.8	3054.3	3051.7	3054.3	3027.9	3035.8	3086.0	3070.1	3033.2
25°	2418.6	2405.5	2452.9	2500.4	2569.0	2656.0	2872.3	3041.1	3104.4	3054.3	2972.5
27.5°	2249.8	2191.8	2178.6	2065.2	1962.3	1793.5	1777.7	1672.2	1661.7	1727.6	1788.3
30°	1598.4	1601.0	1598.4	1587.8	1579.9	1587.8	1595.7	1577.3	1582.5	1624.7	1606.3
32.5°	1558.8	1558.8	1548.3	1543.0	1519.2	1511.3	1498.1	1463.8	1469.1	1500.8	1492.9
35°	1453.3	1448.0	1450.7	1437.5	1395.3	1361.0	1355.7	1326.7	1326.7	1345.2	1337.2
37.5°	1295.0	1287.1	1318.8	1316.1	1281.9	1268.7	1255.5	1237.0	1237.0	1252.8	1237.0
40°	1171.1	1165.8	1200.1	1210.6	1189.5	1194.8	1197.5	1181.6	1197.5	1200.1	1179.0
42.5°	1039.2	1036.6	1065.6	1062.9	1044.5	1041.8	1039.2	1028.7	1055.0	1076.1	1060.3
45°	883.6	875.7	896.8	904.7	899.4	891.5	888.9	888.9	904.7	915.2	899.4
47.5°	780.7	783.4	799.2	817.6	822.9	828.2	825.6	820.3	830.8	833.5	820.3
50°	746.4	749.1	772.8	793.9	809.7	820.3	820.3	812.4	820.3	812.4	793.9
52.5°	762.3	762.3	793.9	825.6	851.9	870.4	873.0	862.5	862.5	841.4	812.4
55°	767.5	772.8	815.0	867.8	915.2	965.3	989.1	981.2	989.1	944.2	896.8
57.5°	717.4	730.6	772.8	836.1	899.4	978.5	1028.7	1033.9	1031.3	991.7	933.7
60°	651.5	662.0	691.0	746.4	807.1	870.4	920.5	931.1	941.6	923.1	870.4
62.5°	606.6	611.9	635.7	675.2	717.4	751.7	770.2	767.5	778.1	772.8	733.2
65°	567.1	569.7	596.1	627.7	654.1	688.4	693.7	693.7	701.6	691.0	659.4
67.5°	524.9	524.9	546.0	575.0	606.6	635.7	643.6	646.2	656.8	646.2	622.5
70°	487.9	487.9	506.4	530.2	553.9	582.9	590.8	593.5	606.6	593.5	569.7
72.5°	453.7	453.7	469.5	490.6	511.7	535.4	543.3	546.0	556.5	543.3	524.9
75°	416.7	419.4	432.6	451.0	469.5	490.6	501.1	501.1	509.1	493.2	477.4
77.5°	379.8	382.4	395.6	411.5	427.3	448.4	453.7	456.3	464.2	448.4	432.6
80°	342.9	348.2	358.7	371.9	387.7	403.5	414.1	414.1	419.4	403.5	393.0
82.5°	308.6	313.9	321.8	332.3	348.2	364.0	374.5	374.5	377.2	364.0	350.8
85°	274.3	279.6	287.5	295.4	308.6	324.4	335.0	335.0	337.6	324.4	313.9
87.5°	242.7	247.9	253.2	261.1	271.7	287.5	298.0	298.0	298.0	287.5	276.9
90°	211.0	213.6	218.9	226.8	237.4	250.6	258.5	261.1	261.1	247.9	242.7
92.5°	187.3	187.3	192.5	197.8	208.4	218.9	226.8	229.5	229.5	221.6	213.6
95°	160.9	163.5	166.2	171.4	179.4	187.3	197.8	197.8	197.8	192.5	187.3
97.5°	142.4	139.8	142.4	145.1	153.0	158.3	166.2	168.8	168.8	163.5	160.9
100°	121.3	124.0	124.0	126.6	129.2	131.9	137.2	139.8	139.8	137.2	137.2
102.5°	113.4	110.8	110.8	110.8	110.8	110.8	113.4	113.4	116.1	113.4	110.8
105°	105.5	105.5	105.5	105.5	102.9	102.9	102.9	102.9	100.2	97.6	97.6
107.5°	102.9	102.9	102.9	102.9	100.2	100.2	97.6	97.6	95.0	92.3	89.7
110°	102.9	102.9	102.9	102.9	100.2	97.6	97.6	95.0	92.3	89.7	87.0

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	108.1	108.1	108.1	108.1	102.9	100.2	97.6	97.6	92.3	89.7	87.0
115°	118.7	118.7	116.1	116.1	113.4	108.1	105.5	102.9	100.2	95.0	92.3
117.5°	129.2	129.2	129.2	129.2	126.6	121.3	116.1	113.4	110.8	102.9	100.2
120°	147.7	147.7	147.7	150.3	145.1	139.8	134.5	129.2	126.6	118.7	113.4
122.5°	171.4	168.8	174.1	176.7	174.1	166.2	158.3	153.0	147.7	137.2	131.9
125°	195.2	195.2	200.5	208.4	208.4	200.5	189.9	182.0	176.7	160.9	153.0
127.5°	224.2	224.2	232.1	245.3	247.9	240.0	229.5	218.9	211.0	189.9	182.0
130°	250.6	250.6	266.4	282.2	290.1	282.2	271.7	258.5	247.9	224.2	211.0
132.5°	271.7	274.3	292.8	313.9	324.4	321.8	308.6	298.0	287.5	258.5	242.7
135°	292.8	295.4	316.5	342.9	356.1	356.1	345.5	332.3	319.1	287.5	269.0
137.5°	303.3	306.0	332.3	358.7	374.5	379.8	374.5	361.3	348.2	313.9	290.1
140°	303.3	308.6	335.0	361.3	377.2	385.1	385.1	371.9	358.7	327.1	303.3
142.5°	295.4	300.7	324.4	350.8	366.6	377.2	379.8	369.3	356.1	324.4	300.7
145°	279.6	282.2	306.0	329.7	345.5	358.7	364.0	356.1	340.2	313.9	290.1
147.5°	253.2	253.2	274.3	292.8	313.9	327.1	335.0	329.7	316.5	292.8	271.7
150°	216.3	216.3	232.1	250.6	269.0	284.9	292.8	292.8	279.6	261.1	240.0
152.5°	171.4	174.1	184.6	200.5	218.9	232.1	242.7	242.7	234.7	218.9	200.5
155°	131.9	131.9	139.8	150.3	166.2	179.4	187.3	187.3	182.0	168.8	158.3
157.5°	95.0	95.0	100.2	110.8	121.3	131.9	139.8	139.8	134.5	126.6	118.7
160°	63.3	63.3	65.9	73.9	81.8	89.7	95.0	97.6	95.0	89.7	81.8
162.5°	34.3	34.3	36.9	42.2	47.5	55.4	58.0	60.7	60.7	55.4	52.8
165°	10.6	10.6	10.6	15.8	18.5	23.7	26.4	29.0	29.0	29.0	26.4
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	5.3	7.9	7.9	7.9	7.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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°	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0	5560.0
2.5°	5196.0	5391.2	5607.5	5829.0	6055.9	6269.5	6448.9	6591.3	6667.8	6686.2	6675.7
5°	4850.5	5080.0	5333.2	5591.6	5887.0	6227.3	6538.5	6762.7	6878.8	6897.2	6902.5
7.5°	4357.3	4557.7	4805.6	5103.7	5475.6	5839.6	6319.6	6654.6	6841.8	6892.0	6892.0
10°	3837.7	4014.4	4170.0	4431.1	4755.5	5095.8	5504.6	5813.2	6003.1	6063.8	6011.0
12.5°	3544.9	3621.4	3726.9	3919.4	4122.5	4381.0	4734.4	4934.9	5058.9	5095.8	5064.1
15°	3357.6	3397.2	3442.0	3523.8	3666.2	3827.1	4035.5	4159.4	4235.9	4280.8	4264.9
17.5°	3267.9	3267.9	3260.0	3278.5	3315.4	3389.3	3531.7	3576.5	3610.8	3629.3	3618.7
20°	3130.8	3088.6	3054.3	3001.6	2980.5	2977.8	3012.1	3059.6	3056.9	3059.6	3038.5
22.5°	2993.6	2906.6	2822.2	2743.1	2653.4	2608.6	2576.9	2592.7	2579.5	2592.7	2579.5
25°	2927.7	2751.0	2582.2	2389.6	2228.7	2104.8	2023.0	1972.9	1888.5	1920.1	1891.1
27.5°	1817.3	1743.4	1672.2	1529.8	1395.3	1347.8	1308.2	1287.1	1271.3	1279.2	1273.9
30°	1574.6	1514.0	1458.6	1384.7	1281.9	1218.6	1171.1	1128.9	1115.7	1118.3	1115.7
32.5°	1461.2	1413.7	1345.2	1268.7	1176.4	1097.2	1041.8	1002.3	981.2	994.4	983.8
35°	1308.2	1260.8	1202.7	1131.5	1052.4	981.2	928.4	891.5	867.8	873.0	870.4
37.5°	1208.0	1163.2	1113.1	1036.6	968.0	899.4	846.7	809.7	786.0	791.3	786.0
40°	1150.0	1099.9	1047.1	978.5	910.0	838.7	788.6	746.4	722.7	722.7	722.7
42.5°	1031.3	991.7	946.9	875.7	815.0	754.3	704.2	672.6	646.2	648.8	643.6
45°	880.9	851.9	817.6	770.2	720.1	672.6	630.4	606.6	585.5	588.2	585.5
47.5°	804.5	778.1	738.5	701.6	656.8	614.6	577.6	548.6	532.8	535.4	530.2
50°	775.4	743.8	699.0	648.8	606.6	564.4	527.5	506.4	490.6	493.2	490.6
52.5°	786.0	735.9	672.6	611.9	561.8	519.6	490.6	466.8	456.3	458.9	453.7
55°	854.6	767.5	672.6	596.1	532.8	485.3	456.3	429.9	419.4	419.4	419.4
57.5°	878.3	783.4	664.7	577.6	509.1	461.6	427.3	400.9	390.4	390.4	390.4
60°	822.9	741.2	633.0	551.3	487.9	443.1	414.1	395.6	387.7	387.7	387.7
62.5°	704.2	651.5	569.7	503.8	456.3	416.7	387.7	364.0	356.1	353.4	353.4
65°	638.3	588.2	519.6	464.2	422.0	390.4	364.0	345.5	335.0	335.0	335.0
67.5°	596.1	548.6	485.3	432.6	393.0	358.7	335.0	316.5	311.2	308.6	308.6
70°	548.6	503.8	440.5	393.0	356.1	327.1	303.3	287.5	282.2	282.2	279.6
72.5°	501.1	458.9	398.3	353.4	319.1	292.8	271.7	258.5	253.2	250.6	250.6
75°	456.3	414.1	358.7	316.5	284.9	261.1	242.7	229.5	224.2	224.2	224.2
77.5°	414.1	374.5	321.8	282.2	255.8	232.1	216.3	205.7	200.5	200.5	200.5
80°	374.5	335.0	287.5	250.6	224.2	205.7	192.5	182.0	176.7	179.4	176.7
82.5°	332.3	300.7	255.8	221.6	200.5	182.0	168.8	160.9	155.6	158.3	155.6
85°	298.0	266.4	224.2	195.2	174.1	158.3	147.7	139.8	134.5	137.2	134.5
87.5°	263.8	234.7	197.8	171.4	153.0	139.8	126.6	121.3	118.7	118.7	116.1
90°	226.8	200.5	168.8	147.7	129.2	118.7	108.1	102.9	100.2	97.6	97.6
92.5°	200.5	179.4	150.3	131.9	116.1	108.1	97.6	92.3	89.7	89.7	89.7
95°	176.7	158.3	134.5	118.7	108.1	97.6	89.7	87.0	84.4	84.4	81.8
97.5°	153.0	137.2	121.3	108.1	97.6	89.7	81.8	79.1	76.5	76.5	76.5
100°	129.2	118.7	105.5	95.0	87.0	81.8	73.9	71.2	68.6	68.6	68.6
102.5°	108.1	100.2	89.7	81.8	76.5	71.2	65.9	63.3	60.7	60.7	60.7
105°	95.0	87.0	81.8	73.9	68.6	63.3	60.7	55.4	52.8	52.8	52.8
107.5°	87.0	81.8	76.5	71.2	65.9	60.7	55.4	50.1	47.5	47.5	47.5
110°	84.4	79.1	73.9	68.6	63.3	58.0	55.4	47.5	44.8	44.8	44.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	84.4	81.8	76.5	71.2	65.9	60.7	55.4	44.8	42.2	42.2	42.2
115°	89.7	84.4	79.1	73.9	68.6	63.3	58.0	44.8	42.2	42.2	42.2
117.5°	97.6	92.3	84.4	79.1	73.9	65.9	58.0	47.5	42.2	42.2	42.2
120°	110.8	102.9	95.0	87.0	79.1	71.2	60.7	47.5	39.6	42.2	42.2
122.5°	126.6	118.7	105.5	95.0	87.0	76.5	63.3	50.1	39.6	42.2	42.2
125°	147.7	137.2	121.3	108.1	95.0	81.8	65.9	50.1	39.6	42.2	44.8
127.5°	171.4	155.6	137.2	118.7	102.9	87.0	71.2	52.8	39.6	44.8	44.8
130°	197.8	179.4	155.6	131.9	113.4	92.3	73.9	52.8	42.2	42.2	42.2
132.5°	226.8	200.5	168.8	142.4	118.7	95.0	73.9	52.8	42.2	42.2	42.2
135°	247.9	216.3	182.0	150.3	124.0	97.6	76.5	52.8	39.6	39.6	39.6
137.5°	266.4	229.5	192.5	155.6	126.6	97.6	73.9	50.1	39.6	36.9	36.9
140°	276.9	234.7	192.5	155.6	124.0	95.0	68.6	47.5	34.3	34.3	34.3
142.5°	276.9	232.1	189.9	150.3	116.1	89.7	65.9	42.2	31.7	31.7	31.7
145°	266.4	221.6	179.4	142.4	108.1	81.8	58.0	39.6	29.0	29.0	29.0
147.5°	247.9	203.1	163.5	129.2	95.0	71.2	50.1	31.7	23.7	23.7	23.7
150°	221.6	179.4	142.4	110.8	81.8	58.0	42.2	26.4	18.5	18.5	18.5
152.5°	184.6	150.3	116.1	92.3	65.9	47.5	31.7	21.1	15.8	15.8	15.8
155°	145.1	118.7	92.3	71.2	50.1	34.3	23.7	15.8	10.6	10.6	10.6
157.5°	110.8	89.7	68.6	52.8	36.9	26.4	18.5	10.6	7.9	7.9	7.9
160°	76.5	60.7	47.5	36.9	23.7	18.5	13.2	7.9	5.3	5.3	5.3
162.5°	50.1	39.6	29.0	21.1	15.8	10.6	7.9	5.3	2.6	2.6	2.6
165°	23.7	18.5	15.8	10.6	7.9	5.3	2.6	2.6	0.0	0.0	0.0
167.5°	7.9	5.3	5.3	2.6	2.6	2.6	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)