

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: P690854

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690854
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-C01-5TLD-U-T2-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6310 lumens
Efficiency: N/A
Efficacy: 105.2 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): 60
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



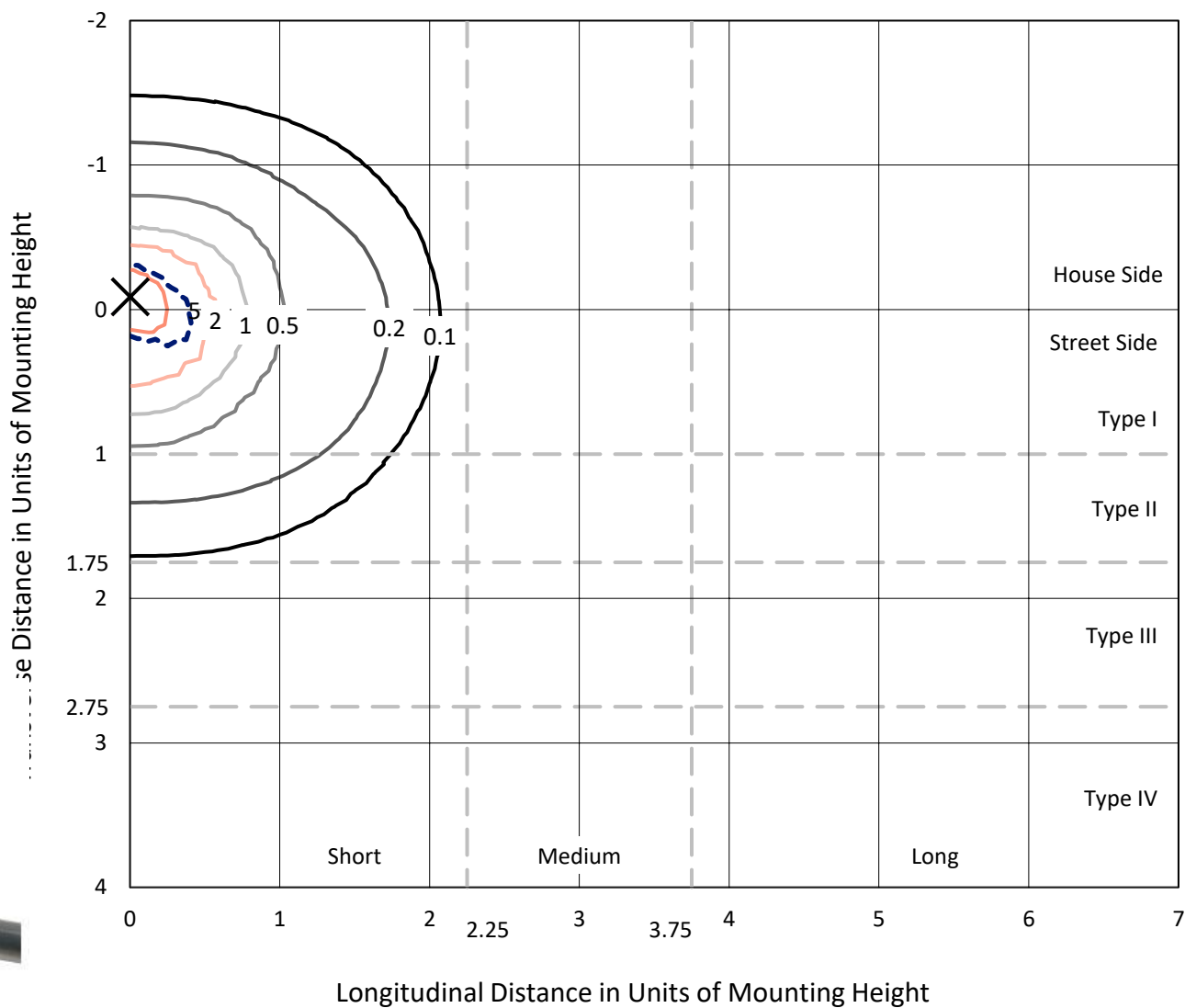
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



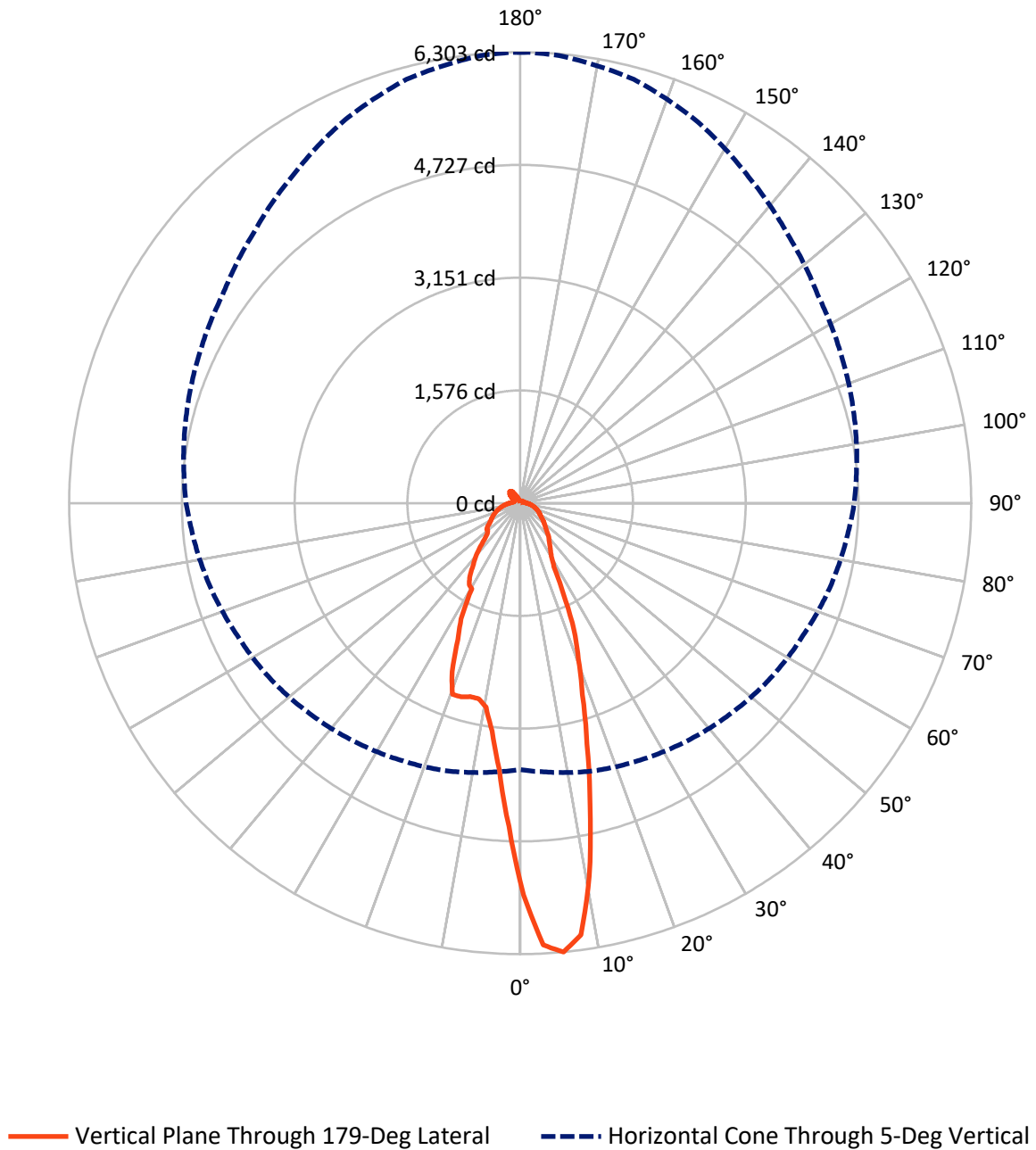
Based on 25 foot mounting height. Maximum calculated value = 9.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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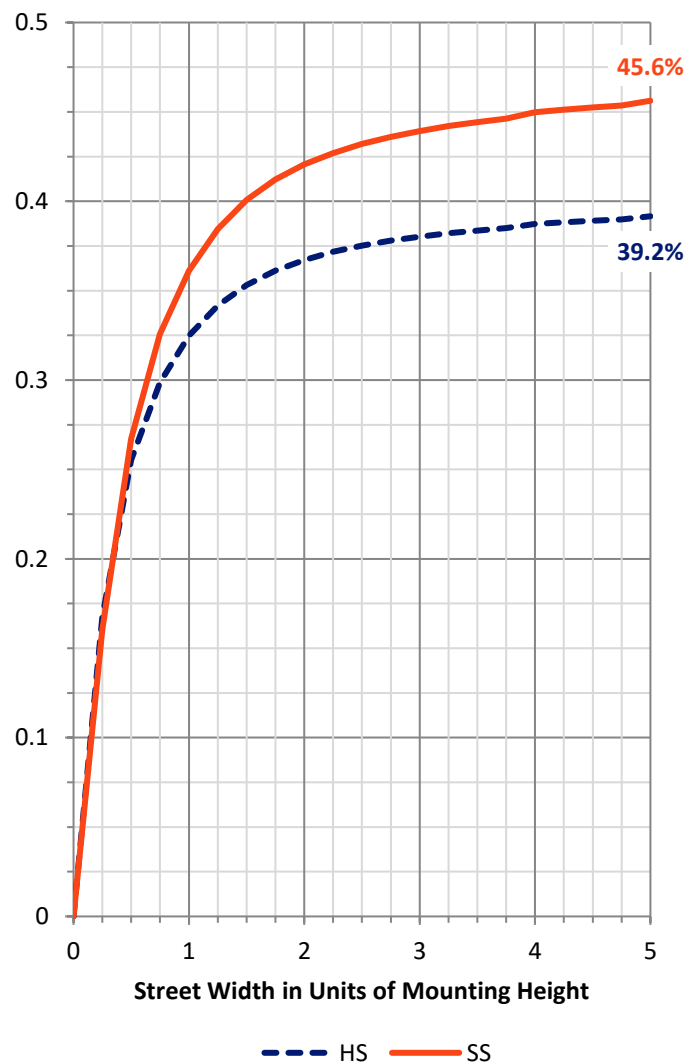
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2539.2	308.7	2848.0
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	2947.2	514.8	3462.1
	% Fixture	46.7	8.2	54.9
Total	Lumens	5486.5	823.5	6310.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.1	6.8
10°-20°	913.3	14.5
20°-30°	992.2	15.7
30°-40°	734.4	11.6
40°-50°	615.0	9.7
50°-60°	618.3	9.8
60°-70°	526.4	8.3
70°-80°	393.2	6.2
80°-90°	265.5	4.2
90°-100°	158.7	2.5
100°-110°	91.7	1.5
110°-120°	84.4	1.3
120°-130°	122.0	1.9
130°-140°	167.0	2.6
140°-150°	137.6	2.2
150°-160°	55.4	0.9
160°-170°	6.8	0.1
170°-180°	0.0	0.0
0°-90°	5486.5	86.9
0°-180°	6310.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690854

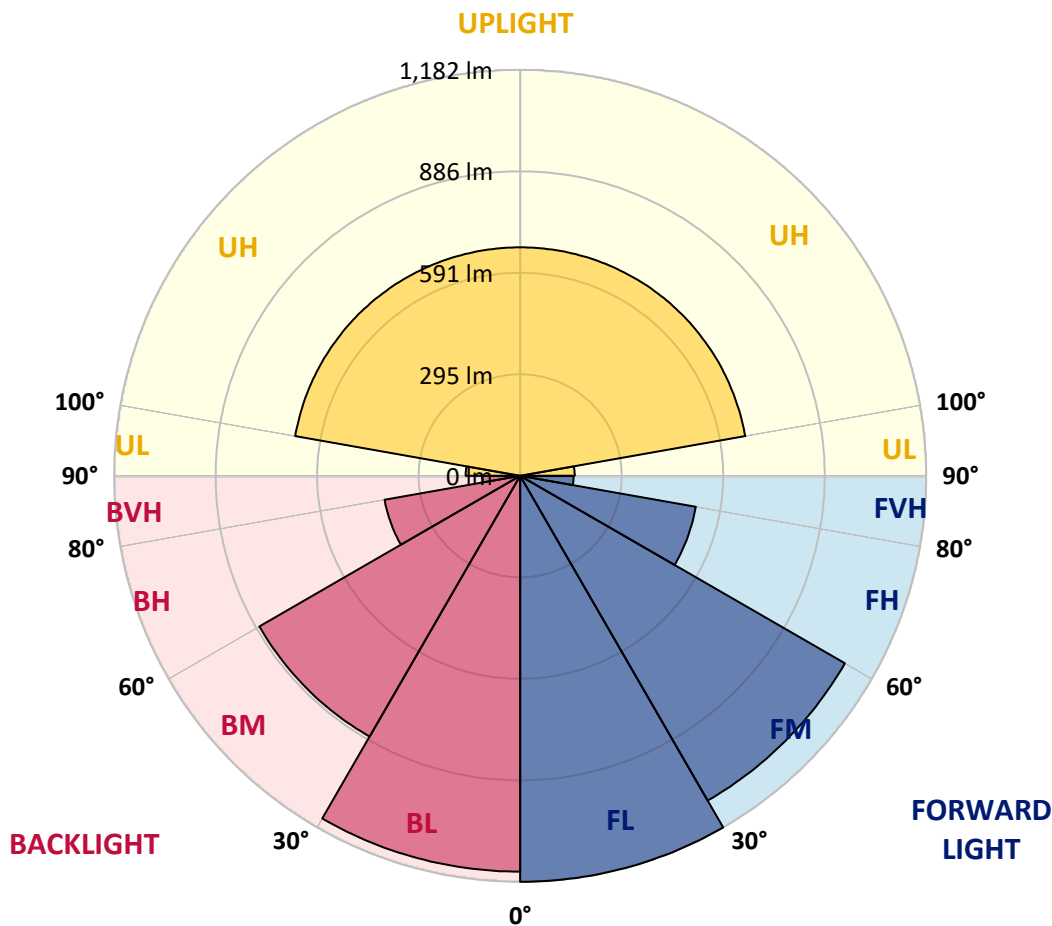
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1181.6	18.7			
FM	(30°-60°)	1091.2	17.3			
FH	(60°-80°)	519.0	8.2			G0/660
FVH	(80°-90°)	155.4	2.5			G2/225
BL	(0°-30°)	1152.0	18.3	B3/2500		
BM	(30°-60°)	876.5	13.9	B1/1000		
BH	(60°-80°)	400.7	6.3	B1/500		G1/500
BVH	(80°-90°)	110.0	1.7			G2/225
UL	(90°-100°)	158.7	2.5		U3/500	
UH	(100°-180°)	664.9	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°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	4514.0	4539.3	4595.0	4622.8	4650.7	4686.1	4739.2	4779.7	4873.3	4959.3	4994.8
5°	3724.6	3770.1	3876.4	3962.4	4058.6	4159.8	4268.6	4364.7	4488.7	4602.6	4668.4
7.5°	3200.8	3238.8	3365.3	3532.3	3701.8	3843.5	3954.8	4028.2	4083.9	4129.4	4177.5
10°	2882.0	2914.9	3041.4	3190.7	3334.9	3466.5	3560.1	3630.9	3651.2	3696.7	3719.5
12.5°	2790.9	2806.1	2894.6	2998.4	3086.9	3216.0	3327.3	3403.2	3436.1	3476.6	3489.3
15°	2793.4	2793.4	2844.0	2909.8	2990.8	3089.5	3213.5	3304.5	3352.6	3375.4	3372.9
17.5°	2831.4	2828.9	2851.6	2904.8	2973.1	3071.8	3198.3	3291.9	3347.6	3355.1	3347.6
20°	2831.4	2833.9	2841.5	2902.2	2968.0	3056.6	3185.6	3264.1	3307.1	3284.3	3259.0
22.5°	2542.9	2540.4	2606.2	2735.2	2912.4	3097.1	3213.5	3309.6	3319.7	3236.2	3167.9
25°	2100.1	2082.4	2120.4	2178.6	2297.5	2512.6	2755.5	3119.8	3337.4	3289.4	3185.6
27.5°	1821.8	1799.0	1831.9	1806.6	1794.0	1778.8	1763.6	1720.6	1748.4	1773.7	1885.1
30°	1373.9	1379.0	1386.6	1401.8	1432.1	1492.9	1556.1	1594.1	1627.0	1692.8	1685.2
32.5°	1343.6	1341.0	1343.6	1358.8	1373.9	1411.9	1449.8	1470.1	1495.4	1558.7	1543.5
35°	1242.4	1237.3	1255.0	1262.6	1260.1	1270.2	1308.2	1330.9	1353.7	1394.2	1379.0
37.5°	1093.1	1098.1	1136.1	1156.3	1163.9	1186.7	1217.1	1237.3	1265.1	1295.5	1287.9
40°	981.7	979.2	1019.7	1047.5	1065.2	1100.7	1146.2	1176.6	1222.1	1247.4	1229.7
42.5°	845.1	855.2	885.6	913.4	918.5	936.2	976.7	1012.1	1067.8	1105.7	1095.6
45°	711.0	718.6	743.9	766.7	784.4	807.2	837.5	867.9	913.4	943.8	941.3
47.5°	627.5	635.1	655.3	683.2	708.5	741.4	771.7	802.1	845.1	867.9	860.3
50°	594.6	599.7	622.4	652.8	690.8	731.3	771.7	804.6	845.1	860.3	847.6
52.5°	592.1	592.1	619.9	665.5	718.6	774.3	827.4	872.9	910.9	910.9	885.6
55°	556.7	561.7	597.1	657.9	738.8	829.9	923.6	1009.6	1060.2	1050.1	1002.0
57.5°	506.1	508.6	546.5	604.7	690.8	802.1	928.6	1037.4	1098.1	1110.8	1060.2
60°	475.7	478.2	503.5	559.2	632.6	721.1	837.5	923.6	984.3	1022.2	981.7
62.5°	450.4	450.4	475.7	513.6	574.4	640.2	705.9	764.1	812.2	840.1	817.3
65°	422.6	422.6	440.3	475.7	523.8	587.0	637.6	680.6	723.7	743.9	723.7
67.5°	394.7	394.7	412.4	445.3	488.3	541.5	592.1	632.6	675.6	690.8	675.6
70°	366.9	366.9	384.6	412.4	452.9	503.5	541.5	584.5	625.0	635.1	622.4
72.5°	339.1	339.1	356.8	382.1	417.5	465.6	501.0	533.9	571.8	579.4	566.8
75°	313.8	313.8	326.4	351.7	384.6	427.6	463.0	493.4	523.8	523.8	513.6
77.5°	285.9	288.5	298.6	321.3	351.7	392.2	425.1	452.9	478.2	478.2	465.6
80°	258.1	260.6	270.7	291.0	318.8	356.8	387.1	412.4	435.2	435.2	422.6
82.5°	230.3	232.8	242.9	260.6	285.9	321.3	351.7	377.0	397.3	394.7	382.1
85°	205.0	207.5	215.1	230.3	253.0	288.5	316.3	339.1	356.8	354.2	344.1
87.5°	179.6	182.2	189.8	202.4	222.7	255.6	283.4	303.6	318.8	316.3	306.2
90°	156.9	156.9	164.5	177.1	194.8	222.7	248.0	265.7	280.9	275.8	265.7
92.5°	136.6	139.2	144.2	154.3	169.5	194.8	217.6	232.8	248.0	245.4	235.3
95°	121.5	121.5	126.5	134.1	146.8	167.0	189.8	202.4	212.5	212.5	205.0
97.5°	106.3	108.8	111.3	116.4	126.5	141.7	159.4	172.1	179.6	179.6	174.6
100°	96.2	98.7	98.7	103.7	108.8	118.9	131.6	141.7	149.3	149.3	146.8
102.5°	91.1	91.1	91.1	93.6	96.2	101.2	108.8	113.9	118.9	121.5	118.9
105°	86.0	86.0	86.0	88.6	88.6	93.6	96.2	101.2	103.7	103.7	101.2
107.5°	83.5	83.5	86.0	86.0	86.0	88.6	93.6	93.6	96.2	93.6	93.6
110°	86.0	86.0	86.0	86.0	86.0	88.6	91.1	91.1	91.1	91.1	88.6

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	88.6	88.6	88.6	88.6	91.1	91.1	91.1	93.6	93.6	91.1	91.1
115°	96.2	96.2	96.2	96.2	96.2	98.7	98.7	98.7	98.7	96.2	93.6
117.5°	103.7	103.7	103.7	106.3	106.3	108.8	106.3	108.8	106.3	103.7	103.7
120°	116.4	116.4	118.9	121.5	124.0	124.0	121.5	124.0	124.0	118.9	116.4
122.5°	131.6	131.6	134.1	141.7	144.2	146.8	144.2	144.2	144.2	139.2	136.6
125°	146.8	149.3	154.3	164.5	172.1	177.1	172.1	174.6	174.6	167.0	164.5
127.5°	164.5	167.0	177.1	192.3	205.0	210.0	207.5	210.0	212.5	199.9	194.8
130°	182.2	182.2	197.4	220.1	237.8	245.4	248.0	250.5	253.0	240.4	230.3
132.5°	197.4	197.4	217.6	245.4	268.2	280.9	285.9	291.0	296.0	278.3	265.7
135°	207.5	210.0	235.3	268.2	296.0	313.8	321.3	326.4	334.0	313.8	298.6
137.5°	215.1	220.1	245.4	280.9	311.2	336.5	351.7	359.3	364.4	344.1	323.9
140°	217.6	220.1	248.0	283.4	313.8	341.6	364.4	377.0	379.5	359.3	339.1
142.5°	210.0	215.1	240.4	275.8	306.2	336.5	361.8	374.5	377.0	359.3	339.1
145°	199.9	202.4	225.2	258.1	288.5	321.3	349.2	361.8	361.8	346.6	326.4
147.5°	182.2	184.7	205.0	232.8	263.1	296.0	323.9	336.5	339.1	323.9	306.2
150°	156.9	159.4	174.6	197.4	227.7	260.6	285.9	301.1	301.1	285.9	273.3
152.5°	126.5	129.0	141.7	159.4	184.7	215.1	237.8	253.0	253.0	242.9	227.7
155°	98.7	98.7	108.8	124.0	141.7	164.5	182.2	194.8	197.4	187.2	177.1
157.5°	70.8	70.8	78.4	91.1	106.3	124.0	136.6	146.8	146.8	139.2	134.1
160°	48.1	48.1	53.1	60.7	70.8	83.5	93.6	103.7	103.7	98.7	93.6
162.5°	25.3	25.3	30.4	35.4	43.0	53.1	58.2	65.8	65.8	63.3	60.7
165°	7.6	7.6	10.1	12.7	17.7	22.8	25.3	30.4	32.9	30.4	27.8
167.5°	0.0	0.0	2.5	2.5	2.5	2.5	5.1	7.6	7.6	7.6	7.6
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°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	5032.7	5192.1	5336.4	5485.6	5670.4	5832.3	6006.9	6130.9	6184.0	6184.0	6204.2
5°	4716.4	4827.8	4944.2	5075.7	5295.9	5566.6	5877.8	6133.4	6280.2	6302.9	6300.4
7.5°	4192.7	4268.6	4387.5	4534.3	4736.7	4979.6	5379.4	5779.2	6044.8	6092.9	6075.2
10°	3732.2	3803.0	3873.9	3929.5	4073.7	4266.0	4559.6	4949.2	5255.4	5303.5	5265.5
12.5°	3496.8	3519.6	3517.1	3550.0	3608.2	3704.3	3853.6	4078.8	4288.8	4334.4	4301.5
15°	3372.9	3340.0	3289.4	3231.2	3226.1	3241.3	3279.2	3370.3	3458.9	3496.8	3471.5
17.5°	3322.3	3243.8	3140.1	3026.2	2950.3	2879.5	2831.4	2801.0	2813.7	2816.2	2796.0
20°	3203.3	3109.7	2942.7	2780.8	2659.3	2535.3	2429.1	2350.6	2338.0	2325.3	2310.1
22.5°	3069.2	2909.8	2709.9	2512.6	2332.9	2168.4	2049.5	1955.9	1920.5	1933.1	1925.5
25°	3041.4	2775.7	2532.8	2214.0	1986.3	1801.6	1578.9	1427.1	1358.8	1396.7	1371.4
27.5°	1824.3	1831.9	1695.3	1503.0	1338.5	1229.7	1131.0	1050.1	1004.5	1004.5	1009.6
30°	1652.3	1578.9	1487.8	1368.9	1224.7	1115.9	1007.1	918.5	870.4	857.8	862.8
32.5°	1510.6	1460.0	1373.9	1260.1	1128.5	1017.2	903.3	822.3	776.8	774.3	771.7
35°	1358.8	1305.6	1234.8	1136.1	1022.2	918.5	819.8	749.0	708.5	711.0	711.0
37.5°	1255.0	1206.9	1143.7	1050.1	946.3	842.6	754.0	688.2	655.3	655.3	652.8
40°	1201.9	1146.2	1077.9	991.9	895.7	786.9	703.4	640.2	612.3	612.3	609.8
42.5°	1085.5	1037.4	991.9	903.3	807.2	718.6	640.2	584.5	556.7	556.7	556.7
45°	921.0	893.2	857.8	797.0	718.6	645.2	579.4	526.3	503.5	501.0	501.0
47.5°	850.2	819.8	776.8	721.1	657.9	589.6	526.3	488.3	465.6	465.6	465.6
50°	829.9	794.5	736.3	670.5	604.7	544.0	488.3	452.9	432.7	432.7	435.2
52.5°	857.8	799.6	721.1	640.2	571.8	503.5	455.5	420.0	404.8	404.8	402.3
55°	953.9	845.1	731.3	632.6	546.5	473.2	422.6	384.6	366.9	366.9	366.9
57.5°	1007.1	878.0	738.8	622.4	523.8	450.4	397.3	356.8	339.1	339.1	339.1
60°	946.3	840.1	708.5	602.2	506.1	430.1	374.5	336.5	318.8	316.3	313.8
62.5°	792.0	726.2	632.6	544.0	468.1	402.3	356.8	318.8	301.1	301.1	298.6
65°	705.9	650.3	569.3	493.4	430.1	374.5	331.5	301.1	283.4	280.9	280.9
67.5°	657.9	607.3	526.3	455.5	397.3	346.6	306.2	278.3	265.7	260.6	260.6
70°	604.7	549.1	478.2	415.0	361.8	316.3	283.4	255.6	242.9	240.4	237.8
72.5°	551.6	501.0	435.2	374.5	326.4	288.5	258.1	232.8	220.1	217.6	217.6
75°	495.9	447.9	384.6	334.0	293.5	258.1	230.3	210.0	199.9	197.4	194.8
77.5°	450.4	407.4	346.6	298.6	260.6	232.8	207.5	189.8	179.6	179.6	177.1
80°	407.4	366.9	308.7	265.7	232.8	205.0	184.7	169.5	161.9	159.4	159.4
82.5°	366.9	326.4	273.3	235.3	205.0	182.2	161.9	149.3	141.7	141.7	141.7
85°	328.9	291.0	242.9	207.5	179.6	159.4	141.7	129.0	124.0	121.5	124.0
87.5°	291.0	255.6	215.1	182.2	156.9	136.6	121.5	111.3	106.3	106.3	106.3
90°	255.6	222.7	184.7	154.3	134.1	116.4	103.7	93.6	91.1	88.6	88.6
92.5°	225.2	197.4	164.5	139.2	118.9	106.3	93.6	86.0	81.0	81.0	81.0
95°	197.4	172.1	146.8	124.0	108.8	96.2	86.0	78.4	75.9	75.9	75.9
97.5°	169.5	149.3	129.0	111.3	98.7	88.6	78.4	73.4	70.8	68.3	70.8
100°	141.7	126.5	111.3	98.7	88.6	78.4	70.8	65.8	63.3	63.3	63.3
102.5°	113.9	106.3	93.6	83.5	75.9	70.8	63.3	58.2	55.7	55.7	55.7
105°	98.7	91.1	83.5	75.9	70.8	63.3	58.2	53.1	50.6	50.6	50.6
107.5°	91.1	86.0	78.4	73.4	65.8	60.7	55.7	48.1	45.5	45.5	45.5
110°	88.6	83.5	78.4	70.8	65.8	60.7	55.7	45.5	43.0	43.0	43.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	88.6	83.5	78.4	73.4	68.3	60.7	55.7	45.5	40.5	40.5	40.5
115°	93.6	88.6	83.5	78.4	70.8	63.3	58.2	45.5	40.5	40.5	40.5
117.5°	101.2	96.2	91.1	83.5	75.9	68.3	58.2	45.5	43.0	43.0	43.0
120°	113.9	108.8	101.2	93.6	83.5	73.4	63.3	48.1	40.5	43.0	43.0
122.5°	131.6	126.5	116.4	103.7	93.6	81.0	65.8	50.6	38.0	43.0	43.0
125°	156.9	149.3	134.1	118.9	103.7	88.6	70.8	53.1	40.5	45.5	45.5
127.5°	184.7	174.6	154.3	134.1	116.4	96.2	75.9	55.7	43.0	45.5	45.5
130°	217.6	199.9	174.6	149.3	126.5	103.7	81.0	58.2	45.5	45.5	45.5
132.5°	250.5	225.2	192.3	164.5	136.6	108.8	83.5	58.2	45.5	45.5	45.5
135°	278.3	248.0	210.0	174.6	141.7	111.3	86.0	58.2	45.5	45.5	45.5
137.5°	303.6	263.1	220.1	179.6	144.2	111.3	83.5	58.2	43.0	43.0	43.0
140°	316.3	270.7	225.2	179.6	141.7	108.8	78.4	53.1	40.5	40.5	40.5
142.5°	316.3	268.2	220.1	174.6	136.6	103.7	73.4	50.6	35.4	38.0	38.0
145°	306.2	258.1	210.0	164.5	126.5	93.6	65.8	43.0	32.9	32.9	32.9
147.5°	283.4	237.8	192.3	149.3	113.9	81.0	58.2	38.0	27.8	25.3	27.8
150°	253.0	210.0	167.0	129.0	96.2	68.3	48.1	30.4	22.8	22.8	22.8
152.5°	212.5	174.6	139.2	106.3	75.9	53.1	35.4	22.8	17.7	17.7	17.7
155°	167.0	136.6	108.8	81.0	58.2	40.5	27.8	17.7	12.7	12.7	12.7
157.5°	126.5	103.7	81.0	58.2	43.0	30.4	20.2	12.7	10.1	10.1	10.1
160°	88.6	70.8	55.7	40.5	27.8	20.2	12.7	7.6	5.1	5.1	5.1
162.5°	55.7	45.5	35.4	22.8	17.7	12.7	7.6	5.1	2.5	2.5	2.5
165°	25.3	22.8	15.2	10.1	7.6	5.1	2.5	2.5	0.0	0.0	0.0
167.5°	7.6	5.1	5.1	2.5	2.5	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)