

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: P690885

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5796 lumens
Efficiency: N/A
Efficacy: 96.6 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): 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



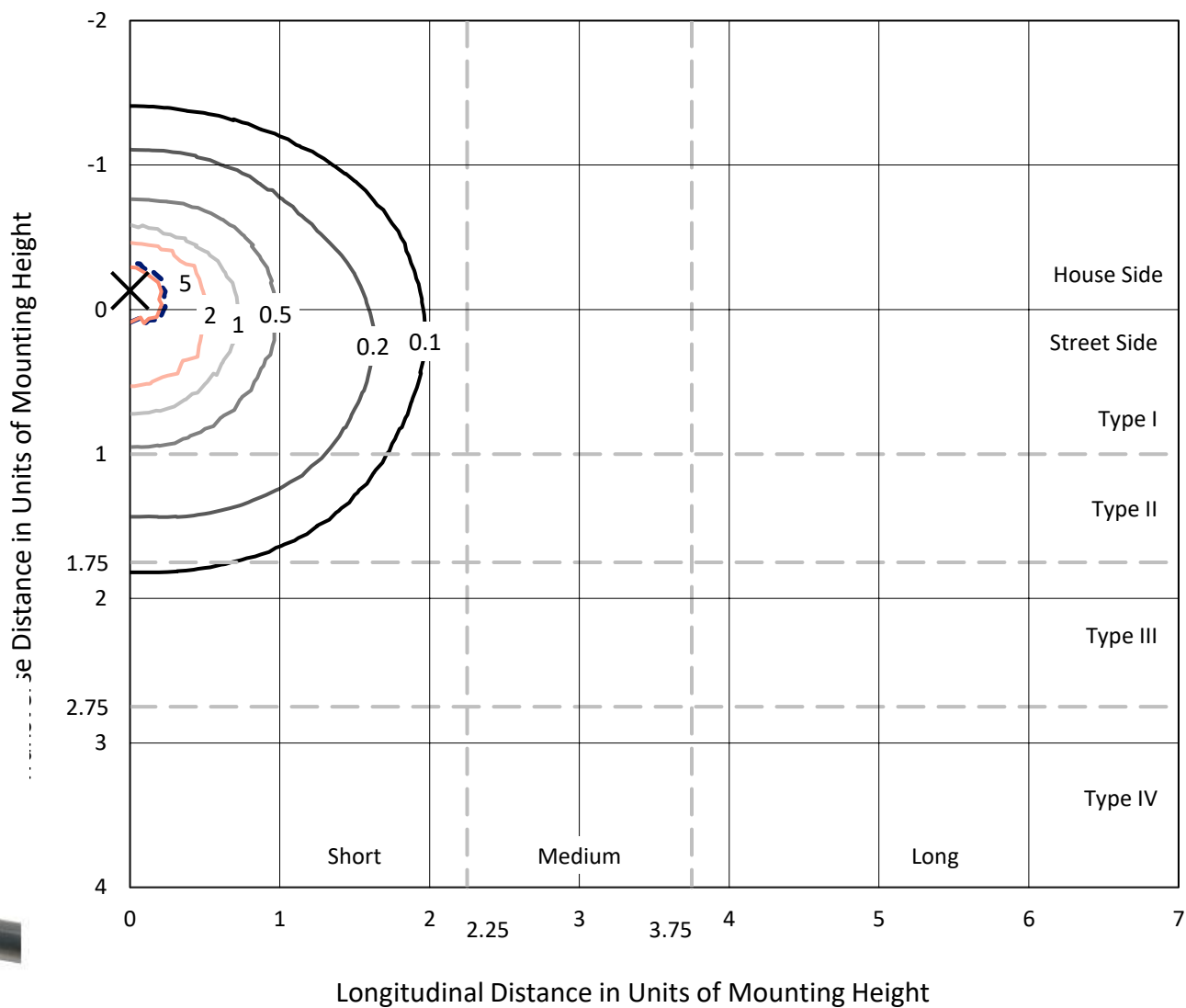
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



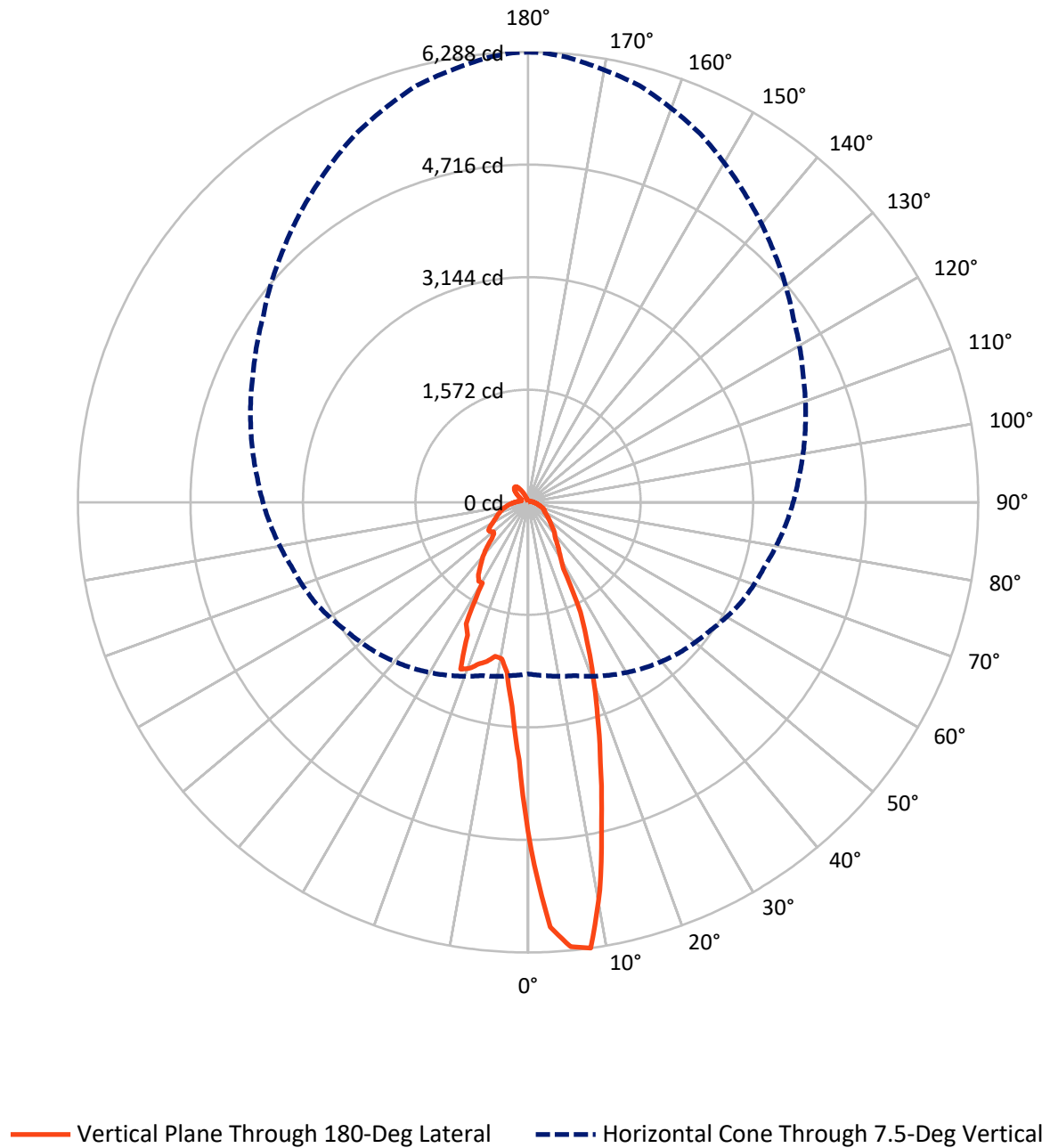
Based on 25 foot mounting height. Maximum calculated value = 9.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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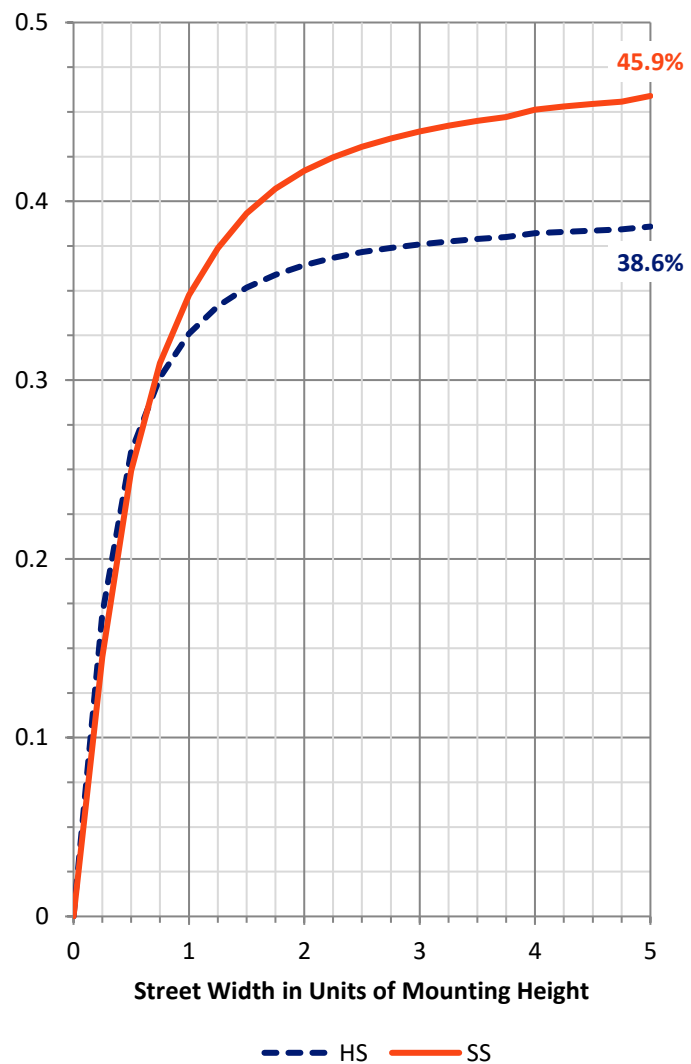
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2294.7	239.3	2534.0
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	2736.4	525.5	3262.0
	% Fixture	47.2	9.1	56.3
Total	Lumens	5031.2	764.8	5796.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.3	6.7
10°-20°	830.7	14.3
20°-30°	917.3	15.8
30°-40°	665.3	11.5
40°-50°	560.5	9.7
50°-60°	572.2	9.9
60°-70°	487.7	8.4
70°-80°	363.6	6.3
80°-90°	245.4	4.2
90°-100°	146.7	2.5
100°-110°	84.4	1.5
110°-120°	78.9	1.4
120°-130°	114.9	2.0
130°-140°	156.1	2.7
140°-150°	127.1	2.2
150°-160°	50.7	0.9
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-90°	5031.2	86.8
0°-180°	5796.0	100.0

Coefficient of Utilization



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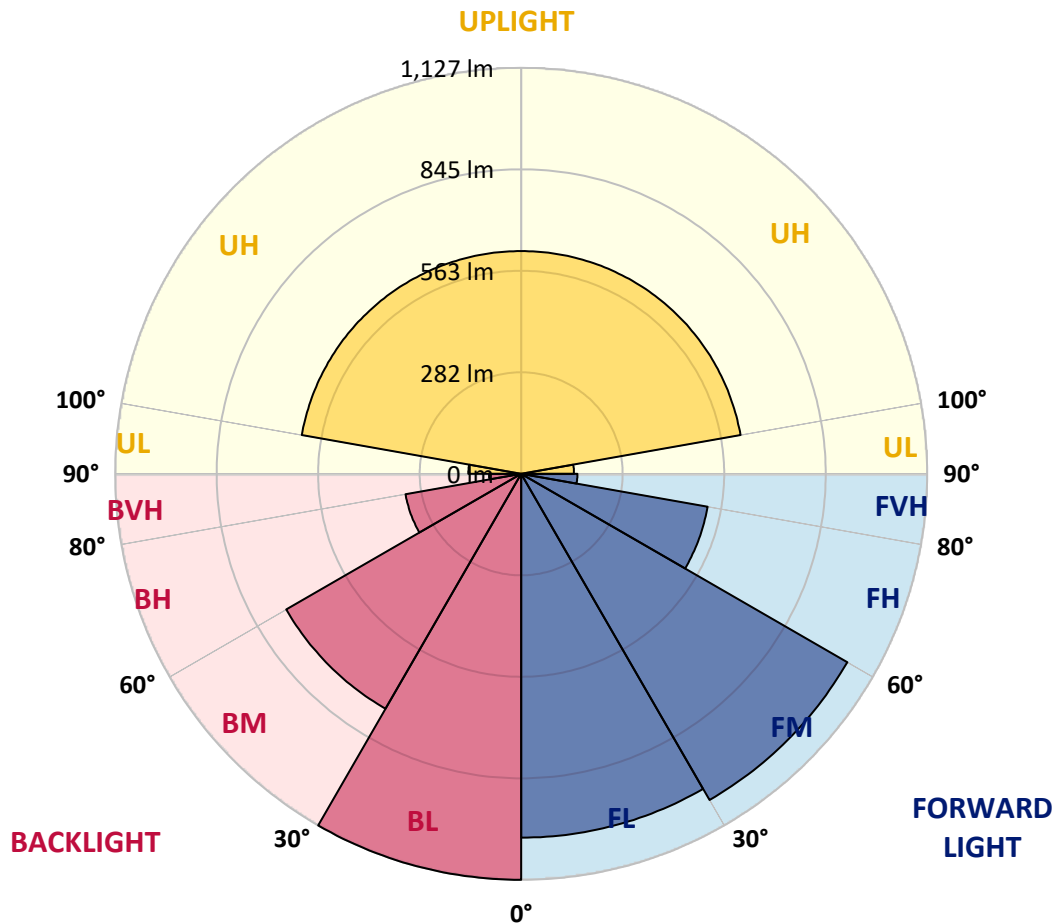
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.7	17.4			
FM	(30°-60°)	1045.3	18.0			
FH	(60°-80°)	525.4	9.1			G0/660
FVH	(80°-90°)	156.1	2.7			G2/225
BL	(0°-30°)	1126.7	19.4	B3/2500		
BM	(30°-60°)	752.8	13.0	B1/1000		
BH	(60°-80°)	325.9	5.6	B1/500		G1/500
BVH	(80°-90°)	89.3	1.5			G1/100
UL	(90°-100°)	146.7	2.5		U3/500	
UH	(100°-180°)	618.1	10.7		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°	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6
2.5°	3597.0	3680.5	3688.0	3779.1	3847.4	3910.6	3956.2	4087.7	4221.8	4348.3	4421.6
5°	2855.8	2896.3	2969.7	3068.3	3194.8	3293.4	3435.1	3619.8	3796.8	4019.4	4128.2
7.5°	2398.0	2428.3	2506.8	2666.1	2825.5	2977.3	3113.8	3290.9	3427.5	3612.2	3703.2
10°	2215.9	2233.6	2299.3	2410.6	2562.4	2688.9	2807.8	2941.8	3063.3	3232.7	3298.5
12.5°	2198.2	2205.7	2258.9	2337.3	2425.8	2529.5	2628.2	2742.0	2871.0	3005.1	3055.7
15°	2294.3	2289.2	2306.9	2352.5	2403.0	2484.0	2575.1	2678.8	2802.7	2901.4	2941.8
17.5°	2362.6	2360.0	2392.9	2413.2	2461.2	2509.3	2600.4	2681.3	2802.7	2881.1	2903.9
20°	2461.2	2466.3	2476.4	2514.3	2534.6	2567.5	2623.1	2671.2	2774.9	2820.4	2815.4
22.5°	2514.3	2511.8	2554.8	2643.4	2666.1	2683.8	2693.9	2714.2	2772.4	2769.8	2731.9
25°	2038.8	2043.9	2054.0	2129.9	2226.0	2382.8	2511.8	2714.2	2823.0	2782.5	2701.5
27.5°	1904.7	1889.6	1836.4	1793.4	1664.4	1578.4	1497.5	1462.1	1479.8	1510.1	1593.6
30°	1297.6	1300.2	1305.2	1312.8	1325.5	1358.4	1381.1	1383.7	1401.4	1451.9	1434.2
32.5°	1300.2	1302.7	1295.1	1302.7	1297.6	1310.3	1307.8	1297.6	1312.8	1358.4	1340.6
35°	1221.8	1216.7	1221.8	1224.3	1196.5	1186.3	1183.8	1176.2	1186.3	1209.1	1193.9
37.5°	1100.3	1097.8	1120.6	1133.2	1110.5	1110.5	1105.4	1095.3	1102.9	1123.1	1102.9
40°	994.1	996.6	1029.5	1049.8	1042.2	1049.8	1057.3	1054.8	1072.5	1080.1	1054.8
42.5°	877.7	872.7	905.6	920.7	905.6	910.6	908.1	910.6	946.0	961.2	943.5
45°	733.6	741.2	756.3	776.6	774.0	781.6	779.1	784.2	806.9	814.5	801.9
47.5°	652.6	657.7	675.4	698.1	710.8	723.4	723.4	726.0	741.2	743.7	731.0
50°	634.9	640.0	662.7	688.0	708.3	723.4	731.0	728.5	736.1	731.0	713.3
52.5°	665.3	665.3	700.7	731.0	756.3	784.2	794.3	784.2	784.2	763.9	736.1
55°	677.9	680.4	723.4	776.6	824.6	875.2	908.1	905.6	903.0	870.2	819.6
57.5°	637.4	645.0	688.0	748.7	814.5	895.5	943.5	951.1	951.1	908.1	852.4
60°	579.3	584.3	617.2	667.8	733.6	794.3	844.9	849.9	865.1	842.3	791.7
62.5°	531.2	536.3	564.1	602.0	650.1	688.0	703.2	703.2	710.8	703.2	667.8
65°	495.8	498.3	521.1	554.0	586.8	617.2	632.4	627.3	637.4	627.3	599.5
67.5°	462.9	462.9	483.1	508.4	538.8	574.2	584.3	589.4	599.5	586.8	561.6
70°	430.0	432.5	452.8	473.0	500.8	526.1	536.3	538.8	551.4	536.3	518.6
72.5°	402.2	402.2	419.9	440.1	460.4	485.7	493.3	498.3	505.9	490.7	475.6
75°	369.3	371.8	387.0	404.7	422.4	447.7	455.3	457.8	465.4	447.7	432.5
77.5°	339.0	341.5	354.1	369.3	387.0	407.3	414.8	419.9	422.4	407.3	392.1
80°	308.6	311.1	321.2	336.4	351.6	371.8	376.9	379.4	384.5	366.8	356.7
82.5°	280.8	280.8	288.4	301.0	316.2	333.9	341.5	344.0	346.5	331.4	321.2
85°	247.9	247.9	255.5	268.1	280.8	298.5	306.1	308.6	308.6	296.0	285.8
87.5°	220.1	220.1	225.1	235.2	245.4	263.1	270.7	275.7	273.2	263.1	253.0
90°	192.2	192.2	197.3	204.9	215.0	230.2	237.8	240.3	240.3	227.7	220.1
92.5°	166.9	166.9	172.0	179.6	187.2	199.8	207.4	212.5	212.5	202.4	194.8
95°	144.2	144.2	146.7	154.3	161.9	172.0	177.1	182.1	182.1	177.1	169.5
97.5°	123.9	123.9	126.5	131.5	136.6	144.2	149.2	154.3	154.3	151.8	146.7
100°	108.8	108.8	108.8	111.3	116.4	118.9	123.9	129.0	129.0	126.5	123.9
102.5°	98.7	98.7	98.7	98.7	98.7	101.2	101.2	103.7	103.7	103.7	101.2
105°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	91.1	88.5	86.0
107.5°	93.6	91.1	91.1	91.1	91.1	88.5	88.5	88.5	86.0	83.5	80.9
110°	93.6	93.6	93.6	93.6	91.1	88.5	88.5	86.0	83.5	80.9	78.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	98.7	98.7	98.7	96.1	93.6	93.6	91.1	88.5	86.0	80.9	78.4
115°	106.2	106.2	106.2	106.2	103.7	98.7	96.1	93.6	88.5	86.0	83.5
117.5°	118.9	118.9	118.9	118.9	113.8	111.3	106.2	103.7	98.7	93.6	91.1
120°	134.1	134.1	136.6	136.6	134.1	129.0	121.4	118.9	113.8	106.2	101.2
122.5°	156.8	154.3	159.4	159.4	159.4	154.3	144.2	139.1	134.1	123.9	118.9
125°	179.6	179.6	184.7	189.7	192.2	184.7	174.5	166.9	159.4	146.7	139.1
127.5°	204.9	204.9	215.0	225.1	230.2	222.6	210.0	202.4	192.2	174.5	164.4
130°	230.2	230.2	245.4	260.5	268.1	263.1	250.4	240.3	227.7	204.9	192.2
132.5°	253.0	253.0	270.7	290.9	301.0	298.5	285.8	275.7	265.6	237.8	220.1
135°	270.7	273.2	296.0	318.7	331.4	333.9	321.2	308.6	296.0	265.6	245.4
137.5°	280.8	285.8	308.6	336.4	349.1	356.7	349.1	336.4	321.2	288.4	265.6
140°	283.3	285.8	311.1	339.0	351.6	361.7	361.7	346.5	333.9	301.0	275.7
142.5°	275.7	278.2	303.5	328.8	341.5	354.1	356.7	344.0	331.4	301.0	275.7
145°	258.0	263.1	285.8	306.1	323.8	336.4	341.5	333.9	318.7	290.9	268.1
147.5°	235.2	237.8	258.0	275.7	293.4	308.6	316.2	308.6	296.0	270.7	250.4
150°	199.8	202.4	217.5	232.7	253.0	268.1	278.2	273.2	263.1	242.8	222.6
152.5°	161.9	161.9	174.5	187.2	204.9	220.1	230.2	227.7	220.1	202.4	187.2
155°	123.9	123.9	131.5	141.7	156.8	166.9	177.1	177.1	172.0	159.4	146.7
157.5°	88.5	88.5	96.1	103.7	113.8	123.9	131.5	131.5	129.0	118.9	111.3
160°	58.2	58.2	63.2	68.3	78.4	83.5	91.1	91.1	88.5	83.5	78.4
162.5°	30.4	30.4	35.4	37.9	45.5	50.6	55.6	58.2	58.2	53.1	50.6
165°	10.1	10.1	10.1	12.6	17.7	22.8	25.3	27.8	27.8	25.3	25.3
167.5°	2.5	2.5	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°	178°	180°
0°	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6	4846.6
2.5°	4500.0	4730.2	4927.5	5134.9	5365.1	5559.9	5757.2	5866.0	5959.6	5941.9	5941.9
5°	4234.4	4464.6	4704.9	4957.9	5269.0	5587.7	5891.3	6108.8	6222.6	6240.3	6237.8
7.5°	3794.3	4009.3	4237.0	4517.7	4882.0	5271.5	5683.8	6025.3	6240.3	6280.8	6288.4
10°	3359.2	3521.1	3713.3	3905.6	4231.9	4588.6	4957.9	5231.1	5441.0	5471.4	5506.8
12.5°	3098.7	3187.2	3311.1	3445.2	3657.7	3918.2	4221.8	4378.6	4512.7	4527.9	4560.7
15°	2964.6	3007.6	3038.0	3086.0	3212.5	3374.4	3513.5	3667.8	3723.5	3761.4	3779.1
17.5°	2911.5	2906.4	2876.1	2876.1	2886.2	2946.9	3035.4	3088.6	3124.0	3141.7	3146.7
20°	2802.7	2757.2	2696.5	2615.5	2572.5	2552.3	2575.1	2587.7	2577.6	2564.9	2587.7
22.5°	2688.9	2592.8	2484.0	2390.4	2279.1	2210.8	2145.0	2122.3	2094.4	2112.2	2112.2
25°	2653.5	2484.0	2309.5	2152.6	1985.7	1871.8	1750.4	1707.4	1664.4	1699.8	1699.8
27.5°	1568.3	1568.3	1469.7	1338.1	1193.9	1133.2	1085.2	1057.3	1039.6	1047.2	1047.2
30°	1403.9	1338.1	1277.4	1193.9	1082.6	1009.3	946.0	908.1	890.4	885.3	890.4
32.5°	1302.7	1252.1	1178.8	1095.3	996.6	915.7	844.9	806.9	779.1	784.2	786.7
35°	1166.1	1113.0	1049.8	971.3	887.9	812.0	748.7	710.8	685.5	685.5	688.0
37.5°	1080.1	1027.0	966.3	895.5	814.5	741.2	683.0	637.4	614.7	612.1	612.1
40°	1027.0	973.9	918.2	847.4	771.5	695.6	637.4	597.0	569.1	569.1	571.7
42.5°	930.9	880.3	832.2	769.0	700.7	634.9	579.3	543.8	516.0	511.0	516.0
45°	784.2	756.3	718.4	675.4	617.2	564.1	513.5	483.1	460.4	460.4	457.8
47.5°	718.4	690.6	650.1	607.1	559.0	505.9	465.4	437.6	417.4	417.4	417.4
50°	693.1	662.7	612.1	564.1	508.4	462.9	427.5	399.7	384.5	384.5	382.0
52.5°	705.7	657.7	591.9	523.6	470.5	425.0	389.5	361.7	349.1	349.1	346.5
55°	774.0	688.0	591.9	508.4	445.2	394.6	359.2	328.8	316.2	316.2	316.2
57.5°	801.9	705.7	586.8	493.3	422.4	369.3	326.3	298.5	285.8	285.8	283.3
60°	751.3	670.3	561.6	473.0	404.7	351.6	311.1	283.3	268.1	268.1	265.6
62.5°	640.0	581.8	498.3	432.5	379.4	331.4	296.0	268.1	255.5	255.5	255.5
65°	574.2	523.6	457.8	399.7	351.6	311.1	278.2	255.5	242.8	242.8	242.8
67.5°	536.3	493.3	427.5	371.8	323.8	285.8	255.5	235.2	225.1	222.6	225.1
70°	495.8	450.3	389.5	336.4	293.4	258.0	230.2	210.0	199.8	199.8	199.8
72.5°	452.8	409.8	351.6	303.5	260.5	232.7	204.9	187.2	177.1	177.1	174.5
75°	412.3	369.3	313.7	268.1	232.7	204.9	182.1	166.9	156.8	156.8	156.8
77.5°	374.4	333.9	280.8	240.3	207.4	184.7	161.9	149.2	141.7	141.7	139.1
80°	339.0	301.0	250.4	215.0	184.7	164.4	144.2	134.1	126.5	126.5	126.5
82.5°	303.5	268.1	222.6	189.7	164.4	144.2	129.0	118.9	113.8	111.3	113.8
85°	270.7	237.8	197.3	166.9	144.2	126.5	113.8	103.7	98.7	98.7	98.7
87.5°	240.3	210.0	174.5	146.7	126.5	111.3	98.7	91.1	88.5	86.0	86.0
90°	207.4	179.6	149.2	126.5	108.8	96.1	83.5	78.4	73.4	73.4	73.4
92.5°	184.7	161.9	134.1	113.8	98.7	88.5	78.4	73.4	68.3	68.3	68.3
95°	161.9	141.7	118.9	103.7	91.1	80.9	73.4	68.3	65.8	65.8	65.8
97.5°	139.1	123.9	106.2	93.6	83.5	75.9	68.3	63.2	60.7	60.7	60.7
100°	116.4	106.2	93.6	83.5	75.9	68.3	60.7	58.2	55.6	55.6	55.6
102.5°	96.1	88.5	78.4	70.8	63.2	58.2	53.1	50.6	48.1	48.1	48.1
105°	83.5	78.4	70.8	63.2	58.2	53.1	48.1	43.0	43.0	43.0	43.0
107.5°	78.4	70.8	65.8	60.7	55.6	48.1	45.5	40.5	37.9	37.9	37.9
110°	75.9	70.8	65.8	58.2	53.1	48.1	43.0	37.9	35.4	35.4	35.4

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	75.9	70.8	65.8	60.7	55.6	48.1	45.5	35.4	32.9	32.9	32.9
115°	80.9	75.9	68.3	63.2	55.6	50.6	45.5	35.4	32.9	32.9	32.9
117.5°	86.0	80.9	73.4	68.3	60.7	53.1	45.5	35.4	32.9	32.9	32.9
120°	98.7	91.1	80.9	73.4	65.8	55.6	48.1	35.4	30.4	32.9	32.9
122.5°	111.3	103.7	91.1	80.9	70.8	60.7	48.1	35.4	30.4	32.9	32.9
125°	131.5	118.9	103.7	91.1	75.9	63.2	50.6	35.4	27.8	30.4	32.9
127.5°	154.3	139.1	118.9	101.2	83.5	65.8	50.6	35.4	27.8	30.4	30.4
130°	179.6	159.4	134.1	108.8	88.5	68.3	50.6	35.4	27.8	30.4	30.4
132.5°	204.9	177.1	146.7	118.9	93.6	70.8	50.6	32.9	27.8	27.8	27.8
135°	225.1	192.2	156.8	123.9	96.1	70.8	48.1	32.9	25.3	25.3	25.3
137.5°	242.8	204.9	164.4	126.5	96.1	68.3	45.5	30.4	22.8	22.8	22.8
140°	253.0	210.0	166.9	123.9	91.1	65.8	43.0	27.8	20.2	20.2	20.2
142.5°	253.0	207.4	161.9	121.4	86.0	60.7	37.9	22.8	17.7	17.7	17.7
145°	242.8	197.3	154.3	113.8	78.4	53.1	32.9	20.2	15.2	15.2	15.2
147.5°	227.7	182.1	141.7	103.7	70.8	45.5	27.8	17.7	12.6	12.6	12.6
150°	202.4	161.9	123.9	88.5	60.7	37.9	22.8	15.2	10.1	10.1	10.1
152.5°	169.5	134.1	103.7	73.4	50.6	30.4	20.2	10.1	7.6	7.6	7.6
155°	134.1	106.2	80.9	58.2	37.9	22.8	15.2	10.1	5.1	5.1	5.1
157.5°	101.2	78.4	60.7	43.0	27.8	17.7	10.1	7.6	5.1	5.1	5.1
160°	70.8	55.6	40.5	27.8	17.7	12.6	7.6	5.1	2.5	2.5	2.5
162.5°	45.5	35.4	25.3	17.7	10.1	7.6	5.1	2.5	2.5	2.5	0.0
165°	22.8	17.7	12.6	7.6	5.1	2.5	2.5	2.5	0.0	0.0	0.0
167.5°	5.1	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)