

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: P690977

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690977
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-D-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 5800 lumens
Efficiency: N/A
Efficacy: 95.1 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



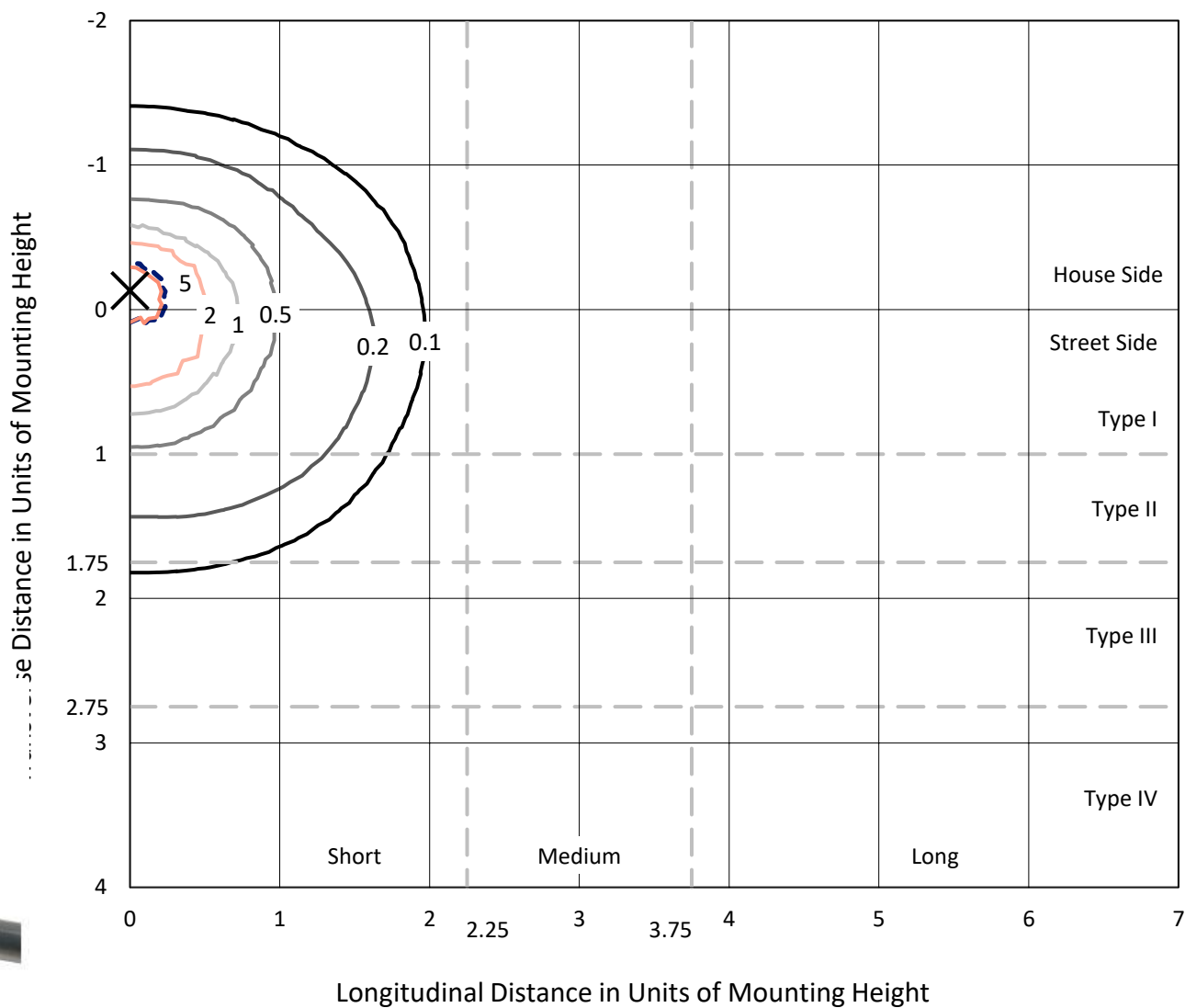
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



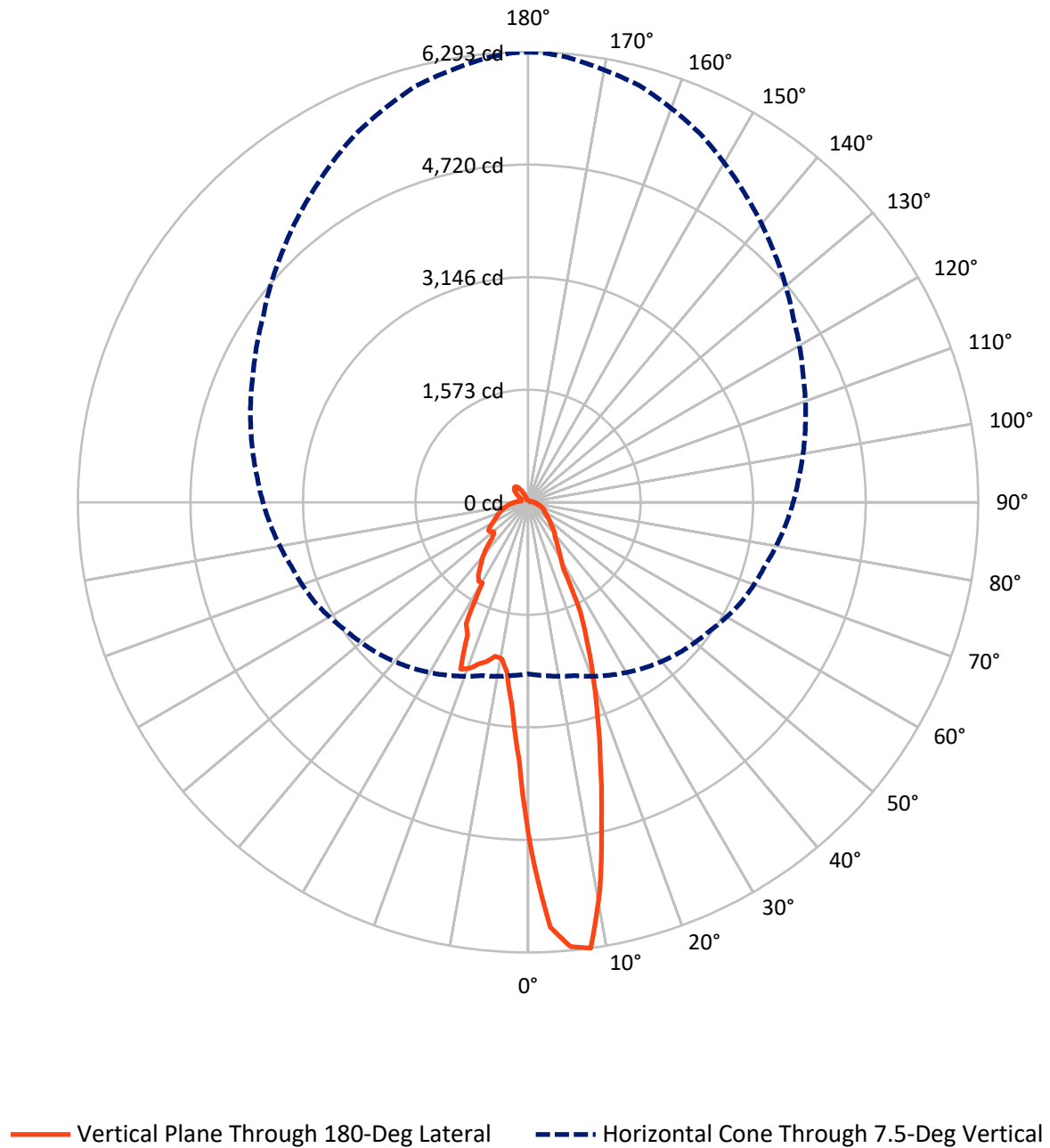
Based on 25 foot mounting height. Maximum calculated value = 9.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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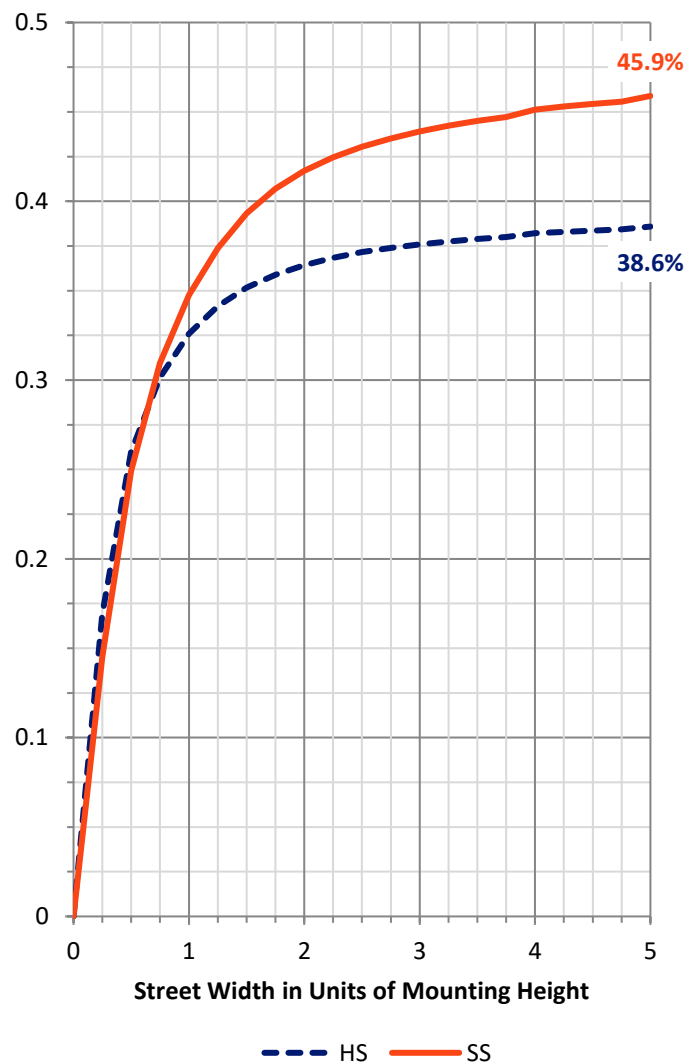
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.3	239.5	2535.8
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	2738.3	525.9	3264.2
	% Fixture	47.2	9.1	56.3
Total	Lumens	5034.7	765.4	5800.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.6	6.7
10°-20°	831.3	14.3
20°-30°	918.0	15.8
30°-40°	665.8	11.5
40°-50°	560.9	9.7
50°-60°	572.6	9.9
60°-70°	488.0	8.4
70°-80°	363.8	6.3
80°-90°	245.6	4.2
90°-100°	146.8	2.5
100°-110°	84.4	1.5
110°-120°	78.9	1.4
120°-130°	115.0	2.0
130°-140°	156.2	2.7
140°-150°	127.2	2.2
150°-160°	50.7	0.9
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-90°	5034.7	86.8
0°-180°	5800.0	100.0

Coefficient of Utilization



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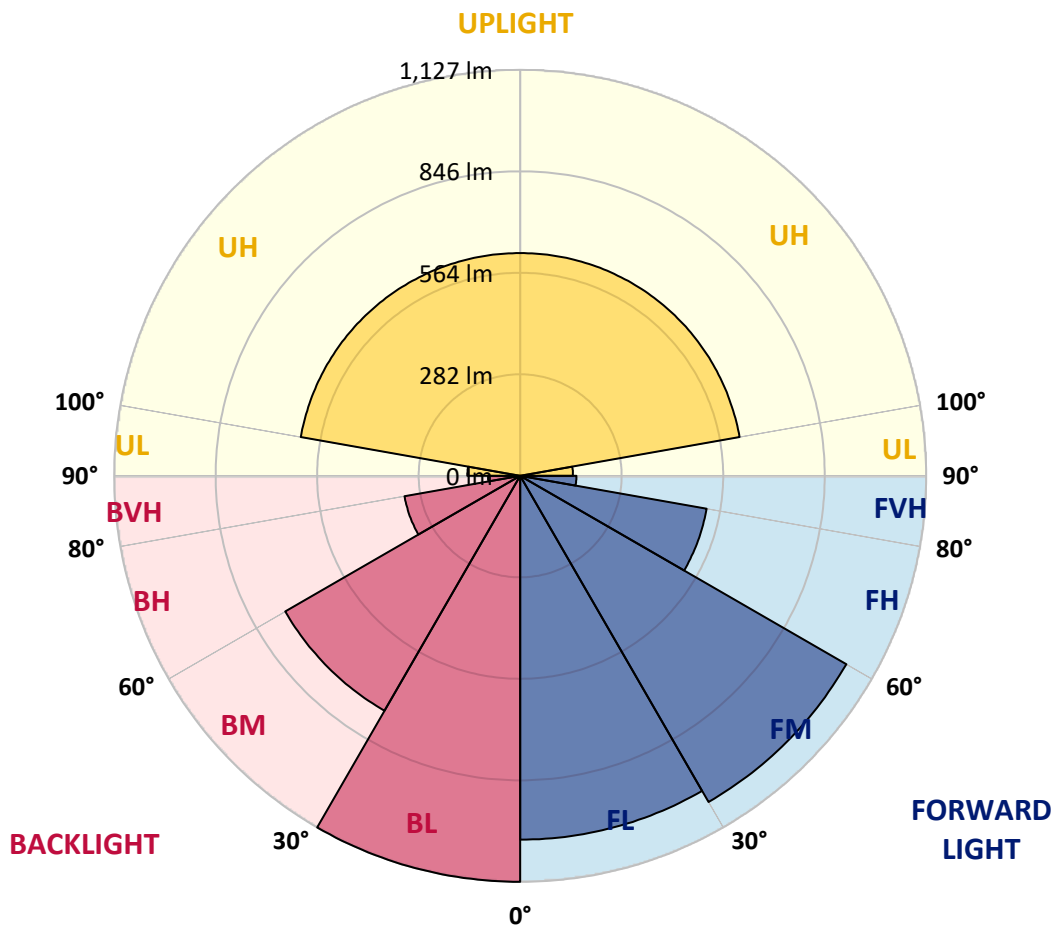
CATALOG NUMBER: CRTK2-C01-D-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1010.4	17.4			
FM	(30°-60°)	1046.0	18.0			
FH	(60°-80°)	525.7	9.1			G0/660
FVH	(80°-90°)	156.2	2.7			G2/225
BL	(0°-30°)	1127.5	19.4	B3/2500		
BM	(30°-60°)	753.3	13.0	B1/1000		
BH	(60°-80°)	326.1	5.6	B1/500		G1/500
BVH	(80°-90°)	89.4	1.5			G1/100
UL	(90°-100°)	146.8	2.5		U3/500	
UH	(100°-180°)	618.6	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°	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9
2.5°	3599.5	3683.0	3690.6	3781.7	3850.1	3913.3	3958.9	4090.5	4224.7	4351.3	4424.7
5°	2857.8	2898.3	2971.7	3070.4	3197.0	3295.7	3437.5	3622.2	3799.4	4022.2	4131.0
7.5°	2399.6	2430.0	2508.5	2668.0	2827.4	2979.3	3116.0	3293.2	3429.9	3614.7	3705.8
10°	2217.4	2235.1	2300.9	2412.3	2564.2	2690.7	2809.7	2943.9	3065.4	3235.0	3300.8
12.5°	2199.7	2207.3	2260.4	2338.9	2427.5	2531.3	2630.0	2743.9	2873.0	3007.1	3057.8
15°	2295.9	2290.8	2308.5	2354.1	2404.7	2485.7	2576.8	2680.6	2804.6	2903.4	2943.9
17.5°	2364.2	2361.7	2394.6	2414.8	2462.9	2511.0	2602.1	2683.1	2804.6	2883.1	2905.9
20°	2462.9	2468.0	2478.1	2516.1	2536.3	2569.2	2624.9	2673.0	2776.8	2822.4	2817.3
22.5°	2516.1	2513.6	2556.6	2645.2	2668.0	2685.7	2695.8	2716.1	2774.3	2771.7	2733.8
25°	2040.2	2045.3	2055.4	2131.3	2227.5	2384.5	2513.6	2716.1	2824.9	2784.4	2703.4
27.5°	1906.0	1890.9	1837.7	1794.7	1665.6	1579.5	1498.5	1463.1	1480.8	1511.2	1594.7
30°	1298.5	1301.1	1306.1	1313.7	1326.4	1359.3	1382.1	1384.6	1402.3	1452.9	1435.2
32.5°	1301.1	1303.6	1296.0	1303.6	1298.5	1311.2	1308.7	1298.5	1313.7	1359.3	1341.6
35°	1222.6	1217.5	1222.6	1225.1	1197.3	1187.2	1184.6	1177.0	1187.2	1209.9	1194.8
37.5°	1101.1	1098.6	1121.4	1134.0	1111.2	1111.2	1106.2	1096.0	1103.6	1123.9	1103.6
40°	994.8	997.3	1030.2	1050.5	1042.9	1050.5	1058.1	1055.5	1073.3	1080.9	1055.5
42.5°	878.4	873.3	906.2	921.4	906.2	911.3	908.7	911.3	946.7	961.9	944.2
45°	734.1	741.7	756.8	777.1	774.6	782.2	779.6	784.7	807.5	815.1	802.4
47.5°	653.1	658.1	675.8	698.6	711.3	723.9	723.9	726.5	741.7	744.2	731.5
50°	635.3	640.4	663.2	688.5	708.8	723.9	731.5	729.0	736.6	731.5	713.8
52.5°	665.7	665.7	701.2	731.5	756.8	784.7	794.8	784.7	784.7	764.4	736.6
55°	678.4	680.9	723.9	777.1	825.2	875.8	908.7	906.2	903.7	870.8	820.1
57.5°	637.9	645.5	688.5	749.3	815.1	896.1	944.2	951.8	951.8	908.7	853.0
60°	579.7	584.7	617.6	668.3	734.1	794.8	845.4	850.5	865.7	842.9	792.3
62.5°	531.6	536.6	564.5	602.4	650.5	688.5	703.7	703.7	711.3	703.7	668.3
65°	496.1	498.7	521.4	554.3	587.3	617.6	632.8	627.8	637.9	627.8	599.9
67.5°	463.2	463.2	483.5	508.8	539.2	574.6	584.7	589.8	599.9	587.3	561.9
70°	430.3	432.8	453.1	473.3	501.2	526.5	536.6	539.2	551.8	536.6	518.9
72.5°	402.5	402.5	420.2	440.4	460.7	486.0	493.6	498.7	506.3	491.1	475.9
75°	369.6	372.1	387.3	405.0	422.7	448.0	455.6	458.2	465.8	448.0	432.8
77.5°	339.2	341.7	354.4	369.6	387.3	407.5	415.1	420.2	422.7	407.5	392.3
80°	308.8	311.3	321.5	336.7	351.8	372.1	377.2	379.7	384.8	367.0	356.9
82.5°	281.0	281.0	288.6	301.2	316.4	334.1	341.7	344.3	346.8	331.6	321.5
85°	248.1	248.1	255.7	268.3	281.0	298.7	306.3	308.8	308.8	296.2	286.0
87.5°	220.2	220.2	225.3	235.4	245.5	263.3	270.8	275.9	273.4	263.3	253.1
90°	192.4	192.4	197.4	205.0	215.2	230.3	237.9	240.5	240.5	227.8	220.2
92.5°	167.1	167.1	172.1	179.7	187.3	200.0	207.6	212.6	212.6	202.5	194.9
95°	144.3	144.3	146.8	154.4	162.0	172.1	177.2	182.3	182.3	177.2	169.6
97.5°	124.0	124.0	126.6	131.6	136.7	144.3	149.3	154.4	154.4	151.9	146.8
100°	108.8	108.8	108.8	111.4	116.4	119.0	124.0	129.1	129.1	126.6	124.0
102.5°	98.7	98.7	98.7	98.7	98.7	101.3	101.3	103.8	103.8	103.8	101.3
105°	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	91.1	88.6	86.1
107.5°	93.7	91.1	91.1	91.1	91.1	88.6	88.6	88.6	86.1	83.5	81.0
110°	93.7	93.7	93.7	93.7	91.1	88.6	88.6	86.1	83.5	81.0	78.5

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CATALOG NUMBER: CRTK2-C01-D-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	98.7	98.7	98.7	96.2	93.7	93.7	91.1	88.6	86.1	81.0	78.5
115°	106.3	106.3	106.3	106.3	103.8	98.7	96.2	93.7	88.6	86.1	83.5
117.5°	119.0	119.0	119.0	119.0	113.9	111.4	106.3	103.8	98.7	93.7	91.1
120°	134.2	134.2	136.7	136.7	134.2	129.1	121.5	119.0	113.9	106.3	101.3
122.5°	156.9	154.4	159.5	159.5	159.5	154.4	144.3	139.2	134.2	124.0	119.0
125°	179.7	179.7	184.8	189.8	192.4	184.8	174.7	167.1	159.5	146.8	139.2
127.5°	205.0	205.0	215.2	225.3	230.3	222.8	210.1	202.5	192.4	174.7	164.5
130°	230.3	230.3	245.5	260.7	268.3	263.3	250.6	240.5	227.8	205.0	192.4
132.5°	253.1	253.1	270.8	291.1	301.2	298.7	286.0	275.9	265.8	237.9	220.2
135°	270.8	273.4	296.2	318.9	331.6	334.1	321.5	308.8	296.2	265.8	245.5
137.5°	281.0	286.0	308.8	336.7	349.3	356.9	349.3	336.7	321.5	288.6	265.8
140°	283.5	286.0	311.3	339.2	351.8	362.0	362.0	346.8	334.1	301.2	275.9
142.5°	275.9	278.4	303.8	329.1	341.7	354.4	356.9	344.3	331.6	301.2	275.9
145°	258.2	263.3	286.0	306.3	324.0	336.7	341.7	334.1	318.9	291.1	268.3
147.5°	235.4	237.9	258.2	275.9	293.6	308.8	316.4	308.8	296.2	270.8	250.6
150°	200.0	202.5	217.7	232.9	253.1	268.3	278.4	273.4	263.3	243.0	222.8
152.5°	162.0	162.0	174.7	187.3	205.0	220.2	230.3	227.8	220.2	202.5	187.3
155°	124.0	124.0	131.6	141.8	156.9	167.1	177.2	177.2	172.1	159.5	146.8
157.5°	88.6	88.6	96.2	103.8	113.9	124.0	131.6	131.6	129.1	119.0	111.4
160°	58.2	58.2	63.3	68.3	78.5	83.5	91.1	91.1	88.6	83.5	78.5
162.5°	30.4	30.4	35.4	38.0	45.6	50.6	55.7	58.2	58.2	53.2	50.6
165°	10.1	10.1	10.1	12.7	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°	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9	4849.9
2.5°	4503.1	4733.5	4930.9	5138.5	5368.8	5563.7	5761.2	5870.0	5963.7	5946.0	5946.0
5°	4237.3	4467.7	4708.2	4961.3	5272.6	5591.6	5895.3	6113.0	6226.9	6244.6	6242.1
7.5°	3796.9	4012.1	4239.9	4520.8	4885.4	5275.2	5687.8	6029.5	6244.6	6285.1	6292.7
10°	3361.5	3523.5	3715.9	3908.3	4234.8	4591.7	4961.3	5234.7	5444.8	5475.1	5510.6
12.5°	3100.8	3189.4	3313.4	3447.6	3660.2	3920.9	4224.7	4381.6	4515.8	4531.0	4563.9
15°	2966.6	3009.7	3040.1	3088.2	3214.7	3376.7	3515.9	3670.3	3726.0	3764.0	3781.7
17.5°	2913.5	2908.4	2878.1	2878.1	2888.2	2948.9	3037.5	3090.7	3126.1	3143.8	3148.9
20°	2804.6	2759.1	2698.3	2617.3	2574.3	2554.1	2576.8	2589.5	2579.4	2566.7	2589.5
22.5°	2690.7	2594.6	2485.7	2392.1	2280.7	2212.3	2146.5	2123.7	2095.9	2113.6	2113.6
25°	2655.3	2485.7	2311.1	2154.1	1987.0	1873.1	1751.6	1708.6	1665.6	1701.0	1701.0
27.5°	1569.4	1569.4	1470.7	1339.0	1194.8	1134.0	1085.9	1058.1	1040.4	1047.9	1047.9
30°	1404.9	1339.0	1278.3	1194.8	1083.4	1010.0	946.7	908.7	891.0	885.9	891.0
32.5°	1303.6	1253.0	1179.6	1096.0	997.3	916.3	845.4	807.5	779.6	784.7	787.2
35°	1166.9	1113.8	1050.5	972.0	888.5	812.5	749.3	711.3	686.0	686.0	688.5
37.5°	1080.9	1027.7	966.9	896.1	815.1	741.7	683.4	637.9	615.1	612.6	612.6
40°	1027.7	974.5	918.9	848.0	772.0	696.1	637.9	597.4	569.5	569.5	572.1
42.5°	931.5	880.9	832.8	769.5	701.2	635.3	579.7	544.2	516.4	511.3	516.4
45°	784.7	756.8	718.9	675.8	617.6	564.5	513.8	483.5	460.7	460.7	458.2
47.5°	718.9	691.0	650.5	607.5	559.4	506.3	465.8	437.9	417.7	417.7	417.7
50°	693.6	663.2	612.6	564.5	508.8	463.2	427.8	399.9	384.8	384.8	382.2
52.5°	706.2	658.1	592.3	524.0	470.8	425.3	389.8	362.0	349.3	349.3	346.8
55°	774.6	688.5	592.3	508.8	445.5	394.9	359.4	329.1	316.4	316.4	316.4
57.5°	802.4	706.2	587.3	493.6	422.7	369.6	326.5	298.7	286.0	286.0	283.5
60°	751.8	670.8	561.9	473.3	405.0	351.8	311.3	283.5	268.3	268.3	265.8
62.5°	640.4	582.2	498.7	432.8	379.7	331.6	296.2	268.3	255.7	255.7	255.7
65°	574.6	524.0	458.2	399.9	351.8	311.3	278.4	255.7	243.0	243.0	243.0
67.5°	536.6	493.6	427.8	372.1	324.0	286.0	255.7	235.4	225.3	222.8	225.3
70°	496.1	450.6	389.8	336.7	293.6	258.2	230.3	210.1	200.0	200.0	200.0
72.5°	453.1	410.1	351.8	303.8	260.7	232.9	205.0	187.3	177.2	177.2	174.7
75°	412.6	369.6	313.9	268.3	232.9	205.0	182.3	167.1	156.9	156.9	156.9
77.5°	374.6	334.1	281.0	240.5	207.6	184.8	162.0	149.3	141.8	141.8	139.2
80°	339.2	301.2	250.6	215.2	184.8	164.5	144.3	134.2	126.6	126.6	126.6
82.5°	303.8	268.3	222.8	189.8	164.5	144.3	129.1	119.0	113.9	111.4	113.9
85°	270.8	237.9	197.4	167.1	144.3	126.6	113.9	103.8	98.7	98.7	98.7
87.5°	240.5	210.1	174.7	146.8	126.6	111.4	98.7	91.1	88.6	86.1	86.1
90°	207.6	179.7	149.3	126.6	108.8	96.2	83.5	78.5	73.4	73.4	73.4
92.5°	184.8	162.0	134.2	113.9	98.7	88.6	78.5	73.4	68.3	68.3	68.3
95°	162.0	141.8	119.0	103.8	91.1	81.0	73.4	68.3	65.8	65.8	65.8
97.5°	139.2	124.0	106.3	93.7	83.5	75.9	68.3	63.3	60.8	60.8	60.8
100°	116.4	106.3	93.7	83.5	75.9	68.3	60.8	58.2	55.7	55.7	55.7
102.5°	96.2	88.6	78.5	70.9	63.3	58.2	53.2	50.6	48.1	48.1	48.1
105°	83.5	78.5	70.9	63.3	58.2	53.2	48.1	43.0	43.0	43.0	43.0
107.5°	78.5	70.9	65.8	60.8	55.7	48.1	45.6	40.5	38.0	38.0	38.0
110°	75.9	70.9	65.8	58.2	53.2	48.1	43.0	38.0	35.4	35.4	35.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	75.9	70.9	65.8	60.8	55.7	48.1	45.6	35.4	32.9	32.9	32.9
115°	81.0	75.9	68.3	63.3	55.7	50.6	45.6	35.4	32.9	32.9	32.9
117.5°	86.1	81.0	73.4	68.3	60.8	53.2	45.6	35.4	32.9	32.9	32.9
120°	98.7	91.1	81.0	73.4	65.8	55.7	48.1	35.4	30.4	32.9	32.9
122.5°	111.4	103.8	91.1	81.0	70.9	60.8	48.1	35.4	30.4	32.9	32.9
125°	131.6	119.0	103.8	91.1	75.9	63.3	50.6	35.4	27.8	30.4	32.9
127.5°	154.4	139.2	119.0	101.3	83.5	65.8	50.6	35.4	27.8	30.4	30.4
130°	179.7	159.5	134.2	108.8	88.6	68.3	50.6	35.4	27.8	30.4	30.4
132.5°	205.0	177.2	146.8	119.0	93.7	70.9	50.6	32.9	27.8	27.8	27.8
135°	225.3	192.4	156.9	124.0	96.2	70.9	48.1	32.9	25.3	25.3	25.3
137.5°	243.0	205.0	164.5	126.6	96.2	68.3	45.6	30.4	22.8	22.8	22.8
140°	253.1	210.1	167.1	124.0	91.1	65.8	43.0	27.8	20.3	20.3	20.3
142.5°	253.1	207.6	162.0	121.5	86.1	60.8	38.0	22.8	17.7	17.7	17.7
145°	243.0	197.4	154.4	113.9	78.5	53.2	32.9	20.3	15.2	15.2	15.2
147.5°	227.8	182.3	141.8	103.8	70.9	45.6	27.8	17.7	12.7	12.7	12.7
150°	202.5	162.0	124.0	88.6	60.8	38.0	22.8	15.2	10.1	10.1	10.1
152.5°	169.6	134.2	103.8	73.4	50.6	30.4	20.3	10.1	7.6	7.6	7.6
155°	134.2	106.3	81.0	58.2	38.0	22.8	15.2	10.1	5.1	5.1	5.1
157.5°	101.3	78.5	60.8	43.0	27.8	17.7	10.1	7.6	5.1	5.1	5.1
160°	70.9	55.7	40.5	27.8	17.7	12.7	7.6	5.1	2.5	2.5	2.5
162.5°	45.6	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	12.7	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)