

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: P690921

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7030-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6288.9 lumens
Efficiency: N/A
Efficacy: 103.1 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

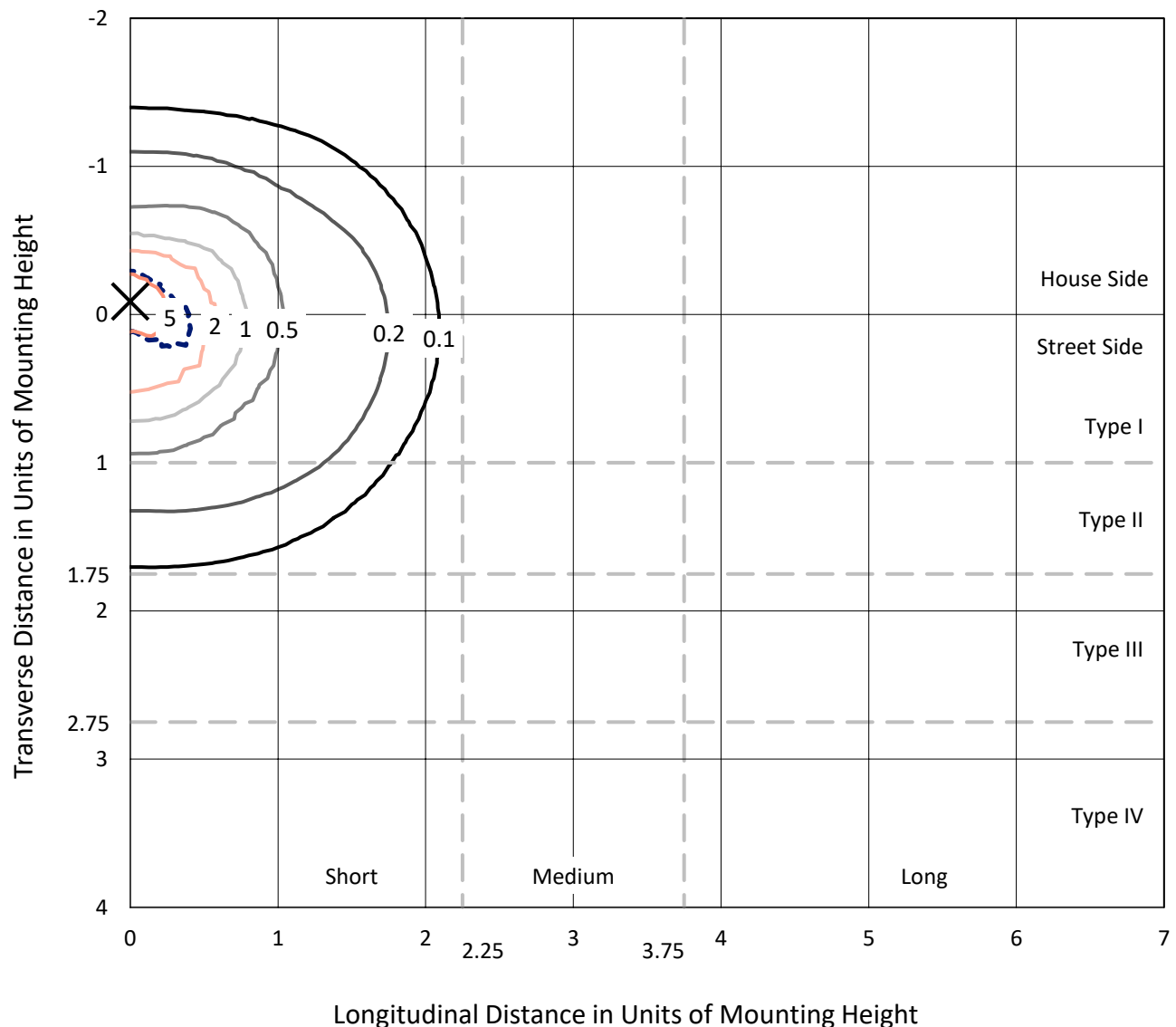


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

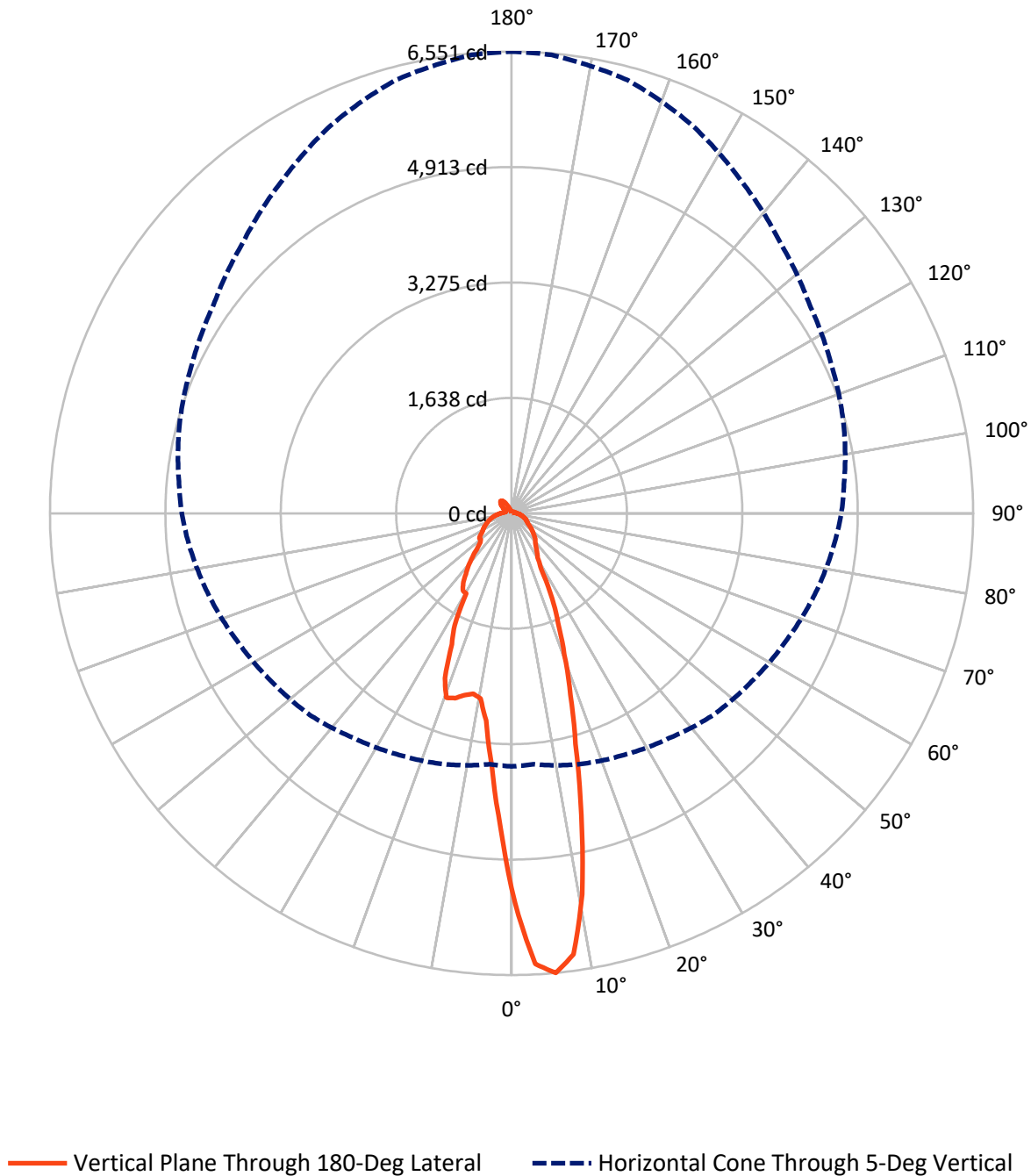


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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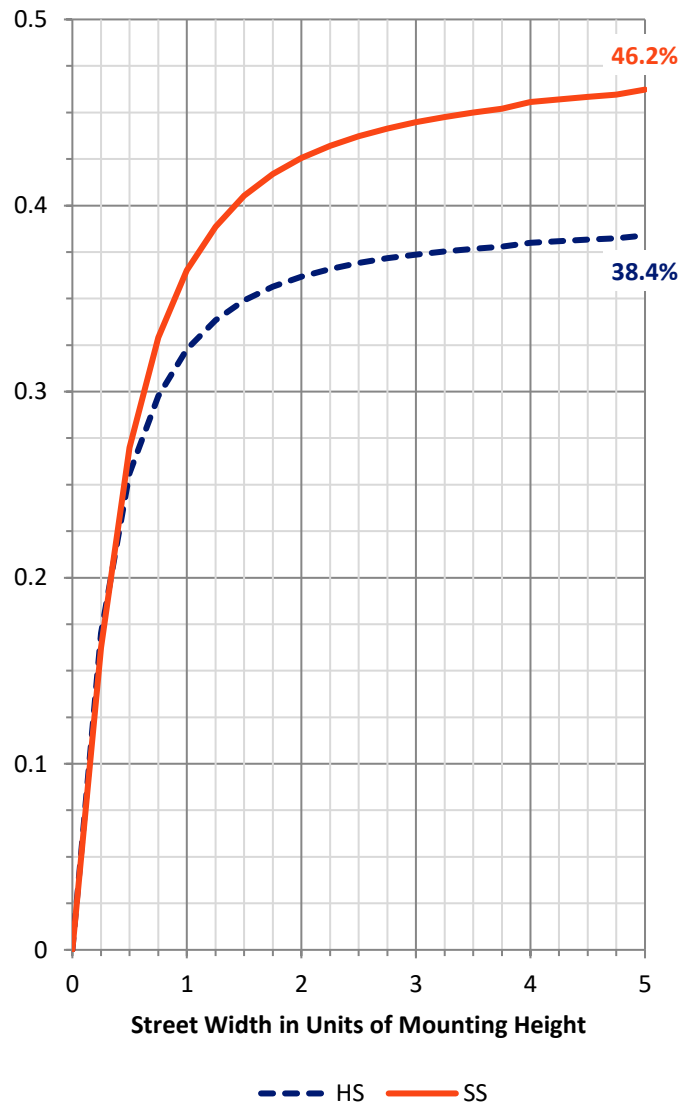
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.4	290.9	2769.4
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	2978.7	540.9	3519.6
	% Fixture	47.4	8.6	56.0
Total	Lumens	5457.1	831.8	6288.9
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.0	6.8
10°-20°	908.1	14.4
20°-30°	988.3	15.7
30°-40°	723.4	11.5
40°-50°	608.2	9.7
50°-60°	617.6	9.8
60°-70°	525.0	8.3
70°-80°	391.8	6.2
80°-90°	266.7	4.2
90°-100°	160.1	2.5
100°-110°	91.8	1.5
110°-120°	84.5	1.3
120°-130°	122.8	2.0
130°-140°	168.9	2.7
140°-150°	139.8	2.2
150°-160°	56.9	0.9
160°-170°	7.1	0.1
170°-180°	0.0	0.0
0°-90°	5457.1	86.8
0°-180°	6288.9	100.0

Coefficient of Utilization



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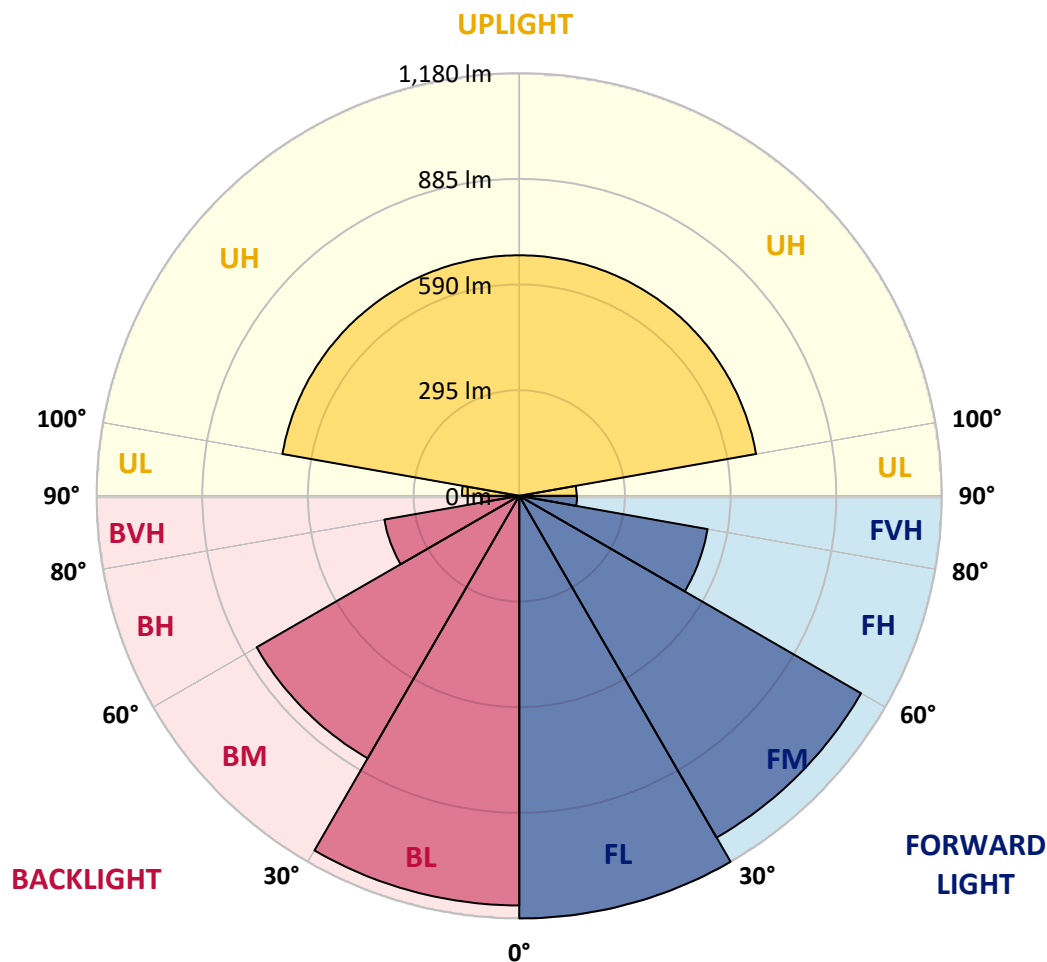
CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1180.4	18.8			
FM	(30°-60°)	1102.6	17.5			
FH	(60°-80°)	534.3	8.5			G0/660
FVH	(80°-90°)	161.5	2.6			G2/225
BL	(0°-30°)	1144.0	18.2	B3/2500		
BM	(30°-60°)	846.7	13.5	B1/1000		
BH	(60°-80°)	382.6	6.1	B1/500		G1/500
BVH	(80°-90°)	105.2	1.7			G2/225
UL	(90°-100°)	160.1	2.5		U3/500	
UH	(100°-180°)	671.7	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°	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5
2.5°	4458.6	4450.2	4511.9	4525.9	4531.5	4595.9	4682.7	4741.5	4847.9	4951.6	4993.6
5°	3590.4	3573.6	3685.7	3780.9	3895.7	4046.9	4159.0	4293.4	4453.0	4607.1	4679.9
7.5°	2960.3	2982.7	3142.3	3338.4	3523.2	3702.5	3839.7	3954.5	4046.9	4145.0	4164.6
10°	2663.4	2683.0	2839.9	3027.5	3198.3	3380.4	3498.0	3596.0	3654.9	3727.7	3752.9
12.5°	2615.8	2629.8	2736.2	2867.9	2996.7	3161.9	3310.4	3419.6	3486.8	3545.6	3551.2
15°	2663.4	2669.0	2733.4	2820.3	2932.3	3069.5	3240.4	3363.6	3439.2	3464.4	3458.8
17.5°	2741.8	2741.8	2772.6	2845.5	2951.9	3083.5	3246.0	3372.0	3450.4	3461.6	3439.2
20°	2775.4	2781.0	2800.7	2881.9	2977.1	3097.5	3260.0	3366.4	3428.0	3397.2	3358.0
22.5°	2523.4	2512.2	2565.4	2736.2	2949.1	3164.7	3318.8	3439.2	3472.8	3369.2	3285.2
25°	2041.7	2047.3	2080.9	2164.9	2330.1	2529.0	2870.7	3237.6	3492.4	3453.2	3327.2
27.5°	1781.2	1764.4	1772.8	1786.8	1764.4	1722.4	1761.6	1753.2	1747.6	1848.4	1859.6
30°	1307.9	1310.7	1324.7	1349.9	1403.1	1481.5	1565.6	1613.2	1655.2	1733.6	1722.4
32.5°	1299.5	1302.3	1310.7	1333.1	1361.1	1414.3	1467.5	1487.1	1532.0	1596.4	1576.8
35°	1215.5	1207.1	1229.5	1249.1	1257.5	1279.9	1321.9	1349.9	1377.9	1422.7	1411.5
37.5°	1078.3	1081.1	1125.9	1156.7	1165.1	1195.9	1235.1	1257.5	1288.3	1327.5	1307.9
40°	960.6	963.4	1016.6	1050.2	1069.8	1111.9	1170.7	1198.7	1249.1	1279.9	1257.5
42.5°	826.2	837.4	873.8	913.0	924.2	949.4	988.6	1025.0	1089.5	1131.5	1117.5
45°	689.0	694.6	719.8	759.0	775.8	803.8	840.2	873.8	924.2	957.8	955.0
47.5°	607.7	613.3	635.7	669.4	703.0	739.4	778.6	812.2	859.8	887.8	876.6
50°	574.1	579.7	607.7	647.0	689.0	736.6	784.2	820.6	865.4	882.2	868.2
52.5°	579.7	579.7	618.9	669.4	728.2	792.6	851.4	896.2	932.6	943.8	913.0
55°	548.9	557.3	599.3	669.4	759.0	859.8	960.6	1055.8	1109.1	1097.9	1039.0
57.5°	501.3	509.7	540.5	616.1	711.4	831.8	974.6	1092.3	1156.7	1165.1	1106.3
60°	473.3	478.9	506.9	565.7	649.8	747.8	876.6	971.8	1044.6	1067.0	1025.0
62.5°	448.1	453.7	476.1	520.9	582.5	658.2	731.0	792.6	851.4	873.8	857.0
65°	420.1	422.9	445.3	484.5	534.9	599.3	661.0	705.8	753.4	767.4	747.8
67.5°	392.1	394.9	414.5	450.9	498.5	557.3	604.9	655.4	703.0	714.2	700.2
70°	366.9	369.7	386.5	420.1	462.1	518.1	562.9	596.5	644.2	655.4	638.5
72.5°	341.7	344.5	361.3	392.1	431.3	481.7	520.9	554.5	593.7	596.5	582.5
75°	316.5	319.3	333.3	361.3	394.9	445.3	481.7	509.7	543.3	543.3	526.5
77.5°	288.5	294.1	305.3	330.5	361.3	408.9	442.5	470.5	498.5	495.7	478.9
80°	263.3	266.1	277.3	299.7	327.7	372.5	406.1	428.5	453.7	450.9	436.9
82.5°	235.3	238.1	246.5	268.9	294.1	336.1	369.7	392.1	414.5	408.9	394.9
85°	207.2	210.0	221.3	238.1	263.3	302.5	333.3	355.7	372.5	366.9	355.7
87.5°	184.8	184.8	193.2	210.0	232.5	268.9	296.9	319.3	333.3	330.5	319.3
90°	159.6	162.4	168.0	182.0	201.6	232.5	260.5	280.1	294.1	288.5	277.3
92.5°	140.0	140.0	145.6	159.6	176.4	204.4	229.7	246.5	257.7	254.9	246.5
95°	120.4	123.2	126.0	137.2	151.2	173.6	196.0	212.8	224.1	221.3	215.7
97.5°	106.4	109.2	112.0	117.6	131.6	145.6	165.2	179.2	190.4	187.6	182.0
100°	98.0	98.0	98.0	103.6	112.0	123.2	137.2	148.4	154.0	156.8	151.2
102.5°	89.6	89.6	92.4	92.4	98.0	103.6	112.0	120.4	123.2	123.2	123.2
105°	86.8	86.8	89.6	89.6	92.4	95.2	100.8	103.6	106.4	106.4	103.6
107.5°	86.8	86.8	86.8	86.8	89.6	92.4	95.2	98.0	98.0	98.0	95.2
110°	89.6	89.6	89.6	89.6	89.6	92.4	92.4	95.2	95.2	92.4	92.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	92.4	92.4	92.4	92.4	92.4	95.2	95.2	95.2	95.2	92.4	92.4
115°	98.0	98.0	98.0	100.8	100.8	100.8	100.8	100.8	100.8	98.0	95.2
117.5°	109.2	109.2	109.2	109.2	112.0	112.0	112.0	112.0	112.0	106.4	106.4
120°	123.2	120.4	123.2	126.0	128.8	128.8	128.8	128.8	128.8	123.2	120.4
122.5°	137.2	137.2	140.0	145.6	151.2	154.0	151.2	151.2	151.2	142.8	140.0
125°	154.0	154.0	162.4	173.6	182.0	184.8	182.0	182.0	182.0	173.6	168.0
127.5°	173.6	173.6	184.8	201.6	215.7	224.1	221.3	221.3	221.3	207.2	198.8
130°	193.2	193.2	210.0	232.5	254.9	260.5	263.3	266.1	266.1	249.3	238.1
132.5°	207.2	210.0	229.7	260.5	288.5	296.9	305.3	308.1	308.1	288.5	271.7
135°	221.3	224.1	249.3	285.7	316.5	336.1	344.5	347.3	350.1	327.7	308.1
137.5°	229.7	232.5	260.5	302.5	333.3	358.5	378.1	383.7	383.7	358.5	333.3
140°	229.7	232.5	263.3	302.5	336.1	366.9	389.3	400.5	400.5	375.3	352.9
142.5°	224.1	229.7	257.7	296.9	330.5	361.3	386.5	397.7	397.7	375.3	352.9
145°	212.8	215.7	243.7	277.3	310.9	347.3	375.3	386.5	386.5	364.1	341.7
147.5°	193.2	196.0	218.5	249.3	282.9	319.3	347.3	361.3	358.5	338.9	319.3
150°	168.0	168.0	187.6	212.8	246.5	280.1	308.1	322.1	322.1	302.5	285.7
152.5°	137.2	137.2	151.2	170.8	198.8	232.5	254.9	268.9	268.9	254.9	240.9
155°	106.4	106.4	117.6	131.6	154.0	179.2	196.0	210.0	210.0	198.8	187.6
157.5°	75.6	75.6	86.8	98.0	114.8	134.4	148.4	156.8	159.6	148.4	142.8
160°	50.4	50.4	56.0	64.4	78.4	92.4	100.8	109.2	112.0	103.6	100.8
162.5°	28.0	28.0	30.8	39.2	47.6	56.0	64.4	70.0	70.0	67.2	64.4
165°	8.4	8.4	11.2	14.0	19.6	25.2	28.0	30.8	33.6	33.6	30.8
167.5°	0.0	0.0	2.8	2.8	2.8	2.8	5.6	5.6	8.4	8.4	8.4
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°	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5	5528.5
2.5°	5080.4	5237.2	5408.1	5573.3	5774.9	5985.0	6178.2	6309.9	6379.9	6402.3	6402.3
5°	4735.9	4878.7	5004.8	5161.6	5405.3	5721.7	6071.8	6363.1	6528.3	6547.9	6550.7
7.5°	4198.2	4315.8	4447.4	4587.5	4803.1	5086.0	5548.1	6018.6	6287.5	6337.9	6318.3
10°	3758.5	3831.3	3909.7	3962.9	4114.2	4324.2	4637.9	5100.0	5430.5	5469.7	5497.7
12.5°	3554.0	3565.2	3542.8	3554.0	3604.4	3702.5	3856.5	4122.6	4338.2	4374.6	4394.2
15°	3450.4	3394.4	3304.8	3220.8	3175.9	3184.3	3217.9	3327.2	3363.6	3425.2	3397.2
17.5°	3402.8	3276.8	3136.7	2974.3	2873.5	2769.8	2713.8	2694.2	2680.2	2683.0	2708.2
20°	3282.4	3139.5	2915.5	2702.6	2540.2	2397.4	2276.9	2190.1	2142.5	2120.1	2136.9
22.5°	3156.3	2935.1	2671.8	2442.2	2209.7	2027.7	1890.4	1764.4	1694.4	1714.0	1691.6
25°	3159.1	2828.7	2515.0	2212.5	1994.1	1753.2	1534.8	1403.1	1288.3	1310.7	1341.5
27.5°	1991.3	1904.4	1680.4	1504.0	1285.5	1165.1	1055.8	963.4	899.0	901.8	893.4
30°	1688.8	1599.2	1487.1	1347.1	1181.9	1041.8	915.8	809.4	747.8	731.0	728.2
32.5°	1560.0	1484.3	1380.7	1243.5	1092.3	952.2	826.2	728.2	666.6	663.8	663.8
35°	1389.1	1319.1	1232.3	1114.7	985.8	857.0	739.4	655.4	604.9	604.9	602.1
37.5°	1282.7	1221.1	1137.1	1027.8	913.0	784.2	680.6	604.9	551.7	548.9	551.7
40°	1226.7	1162.3	1081.1	977.4	862.6	739.4	641.3	562.9	523.7	520.9	518.1
42.5°	1114.7	1064.2	994.2	899.0	798.2	689.0	596.5	526.5	492.9	490.1	492.9
45°	946.6	910.2	862.6	792.6	708.6	616.1	534.9	481.7	448.1	448.1	448.1
47.5°	868.2	834.6	781.4	711.4	638.5	551.7	484.5	439.7	408.9	408.9	408.9
50°	848.6	806.6	736.6	658.2	579.7	504.1	442.5	397.7	375.3	372.5	375.3
52.5°	876.6	812.2	717.0	624.5	537.7	464.9	406.1	364.1	341.7	341.7	341.7
55°	977.4	859.8	733.8	616.1	512.5	431.3	372.5	330.5	308.1	305.3	308.1
57.5°	1044.6	896.2	739.4	607.7	495.7	408.9	344.5	299.7	277.3	274.5	277.3
60°	985.8	865.4	714.2	585.3	481.7	392.1	324.9	280.1	257.7	254.9	254.9
62.5°	817.8	747.8	638.5	529.3	445.3	366.9	305.3	263.3	240.9	238.1	240.9
65°	725.4	663.8	568.5	481.7	408.9	341.7	288.5	252.1	229.7	229.7	229.7
67.5°	675.0	618.9	529.3	445.3	378.1	316.5	266.1	232.5	212.8	212.8	212.8
70°	616.1	560.1	478.9	403.3	341.7	288.5	243.7	210.0	193.2	190.4	193.2
72.5°	565.7	509.7	434.1	364.1	308.1	260.5	221.3	190.4	176.4	173.6	176.4
75°	509.7	456.5	383.7	322.1	274.5	232.5	198.8	170.8	159.6	156.8	156.8
77.5°	462.1	411.7	344.5	288.5	246.5	207.2	176.4	156.8	145.6	142.8	142.8
80°	420.1	372.5	308.1	257.7	218.5	184.8	159.6	140.0	128.8	128.8	128.8
82.5°	375.3	333.3	274.5	226.9	193.2	165.2	140.0	123.2	114.8	114.8	114.8
85°	338.9	296.9	240.9	201.6	168.0	142.8	123.2	109.2	100.8	100.8	100.8
87.5°	299.7	263.3	212.8	176.4	148.4	126.0	106.4	92.4	89.6	86.8	86.8
90°	260.5	226.9	182.0	151.2	126.0	106.4	89.6	78.4	75.6	72.8	72.8
92.5°	232.5	201.6	165.2	137.2	114.8	95.2	84.0	72.8	70.0	70.0	67.2
95°	201.6	176.4	145.6	123.2	103.6	89.6	78.4	70.0	67.2	67.2	64.4
97.5°	173.6	151.2	128.8	112.0	95.2	84.0	72.8	67.2	61.6	61.6	61.6
100°	145.6	128.8	112.0	95.2	86.8	75.6	67.2	61.6	58.8	56.0	56.0
102.5°	117.6	106.4	92.4	84.0	72.8	64.4	58.8	53.2	50.4	50.4	50.4
105°	100.8	92.4	84.0	75.6	67.2	58.8	53.2	47.6	44.8	44.8	44.8
107.5°	92.4	86.8	78.4	70.0	64.4	56.0	50.4	42.0	39.2	42.0	42.0
110°	89.6	84.0	75.6	70.0	61.6	56.0	50.4	39.2	36.4	39.2	39.2



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CATALOG NUMBER: CRTK2-C01-D-U-T2-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	89.6	84.0	78.4	70.0	64.4	56.0	50.4	39.2	36.4	36.4	36.4
115°	92.4	89.6	81.2	75.6	67.2	58.8	50.4	39.2	36.4	36.4	36.4
117.5°	103.6	98.0	89.6	81.2	72.8	61.6	53.2	39.2	36.4	36.4	36.4
120°	114.8	109.2	100.8	89.6	78.4	67.2	56.0	39.2	33.6	36.4	36.4
122.5°	134.4	126.0	114.8	100.8	86.8	72.8	56.0	42.0	30.8	36.4	36.4
125°	159.6	148.4	131.6	112.0	95.2	78.4	58.8	42.0	33.6	36.4	36.4
127.5°	187.6	173.6	151.2	126.0	103.6	81.2	61.6	42.0	33.6	33.6	36.4
130°	224.1	201.6	170.8	140.0	112.0	86.8	61.6	42.0	33.6	33.6	33.6
132.5°	254.9	226.9	187.6	151.2	117.6	89.6	61.6	42.0	30.8	30.8	30.8
135°	285.7	249.3	201.6	159.6	123.2	89.6	61.6	39.2	30.8	30.8	30.8
137.5°	310.9	263.3	212.8	162.4	123.2	86.8	58.8	36.4	28.0	28.0	28.0
140°	324.9	271.7	215.7	162.4	117.6	84.0	53.2	33.6	25.2	25.2	25.2
142.5°	324.9	268.9	212.8	156.8	112.0	78.4	47.6	28.0	22.4	22.4	22.4
145°	313.7	257.7	201.6	148.4	103.6	70.0	42.0	25.2	16.8	16.8	19.6
147.5°	294.1	238.1	184.8	134.4	92.4	58.8	36.4	19.6	14.0	14.0	14.0
150°	260.5	210.0	159.6	117.6	78.4	50.4	30.8	16.8	11.2	11.2	11.2
152.5°	218.5	173.6	134.4	98.0	64.4	39.2	22.4	14.0	8.4	8.4	8.4
155°	173.6	137.2	106.4	75.6	47.6	30.8	16.8	11.2	8.4	8.4	8.4
157.5°	128.8	103.6	78.4	56.0	36.4	22.4	14.0	8.4	5.6	5.6	5.6
160°	89.6	72.8	53.2	36.4	22.4	14.0	8.4	5.6	2.8	2.8	2.8
162.5°	58.8	44.8	33.6	22.4	14.0	8.4	5.6	2.8	2.8	2.8	2.8
165°	28.0	22.4	16.8	11.2	5.6	5.6	2.8	2.8	0.0	0.0	0.0
167.5°	8.4	5.6	2.8	2.8	2.8	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)