

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: P690945

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690945
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-T2-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 5686 lumens
Efficiency: N/A
Efficacy: 93.2 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): 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



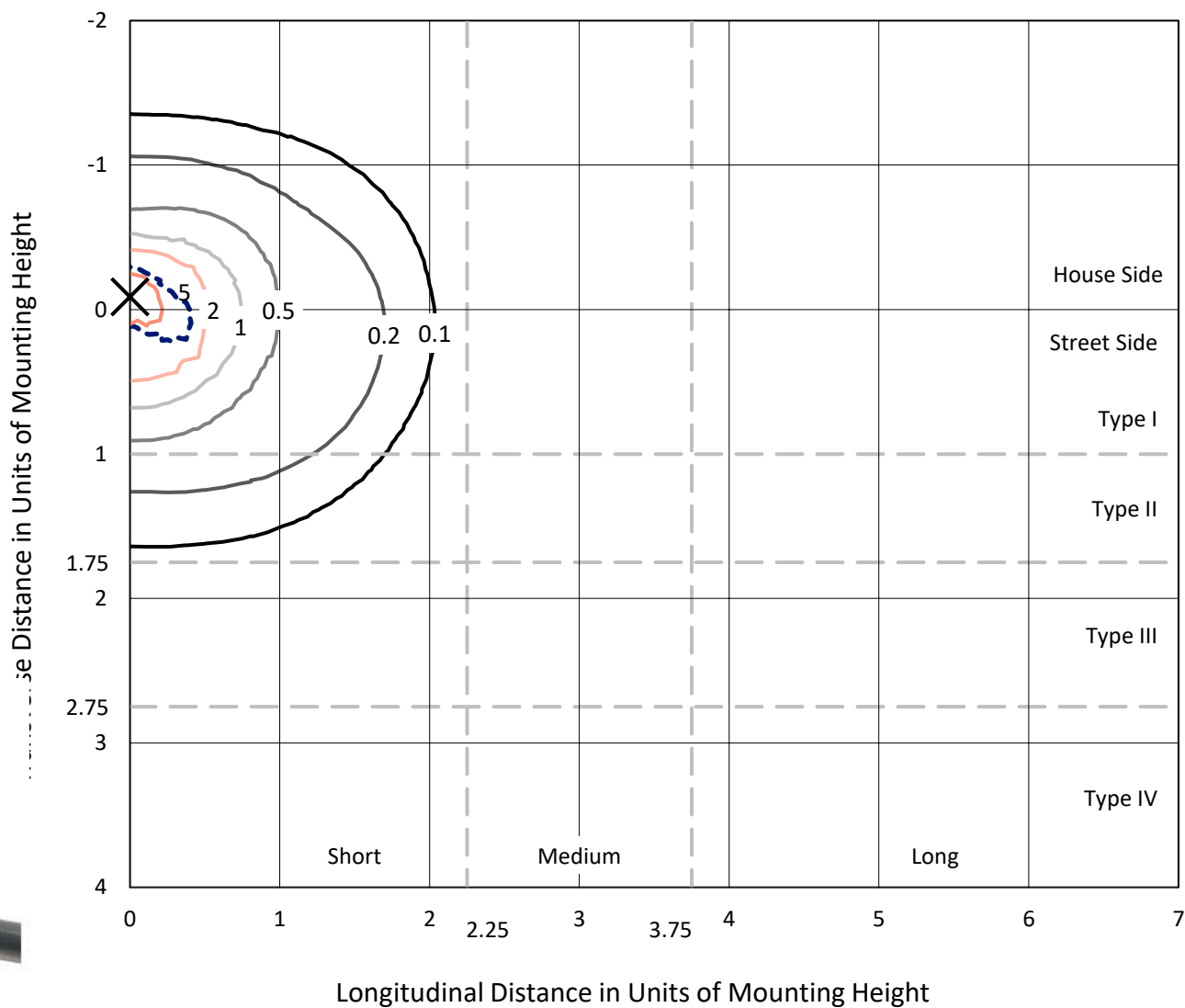
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

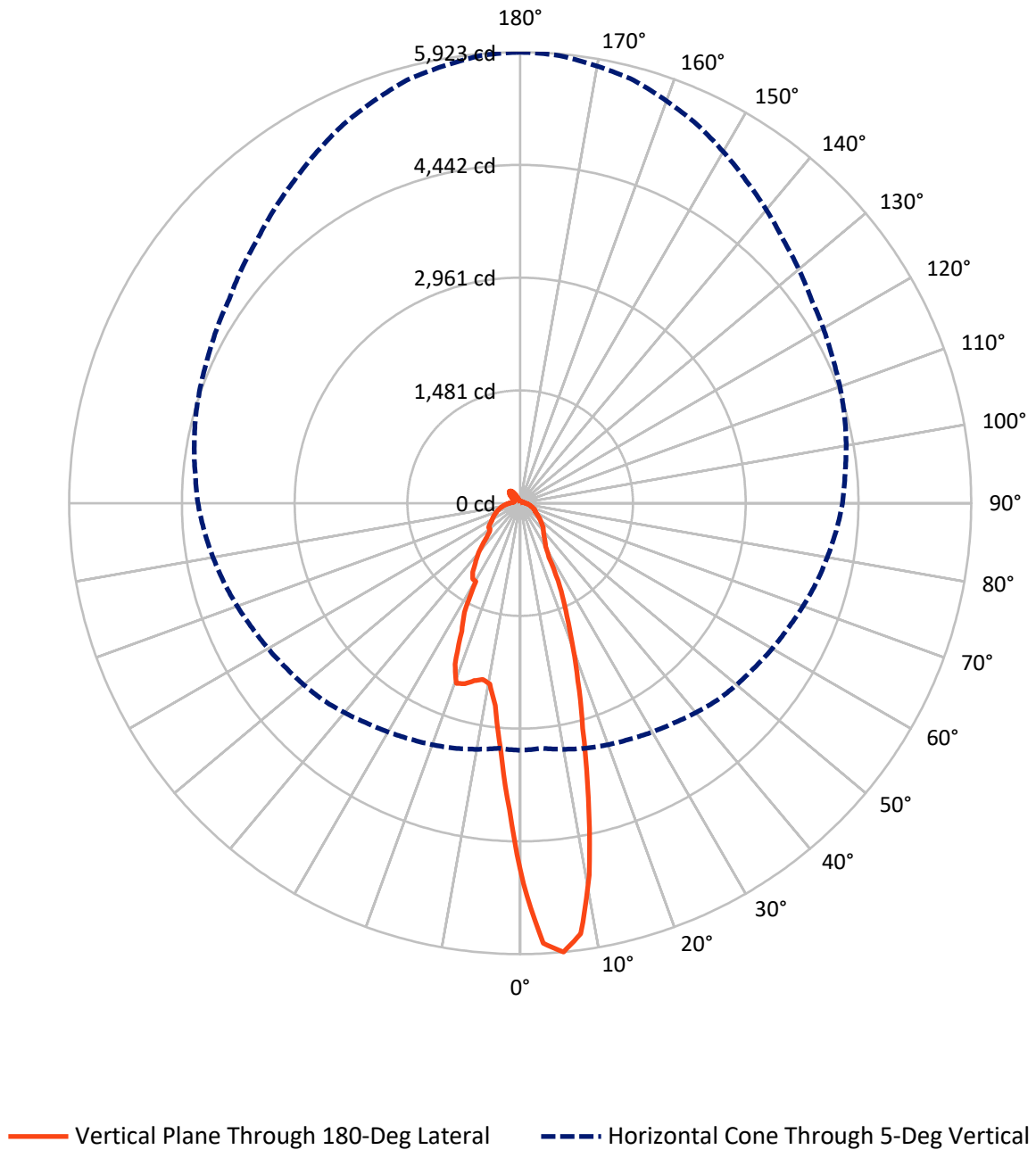


Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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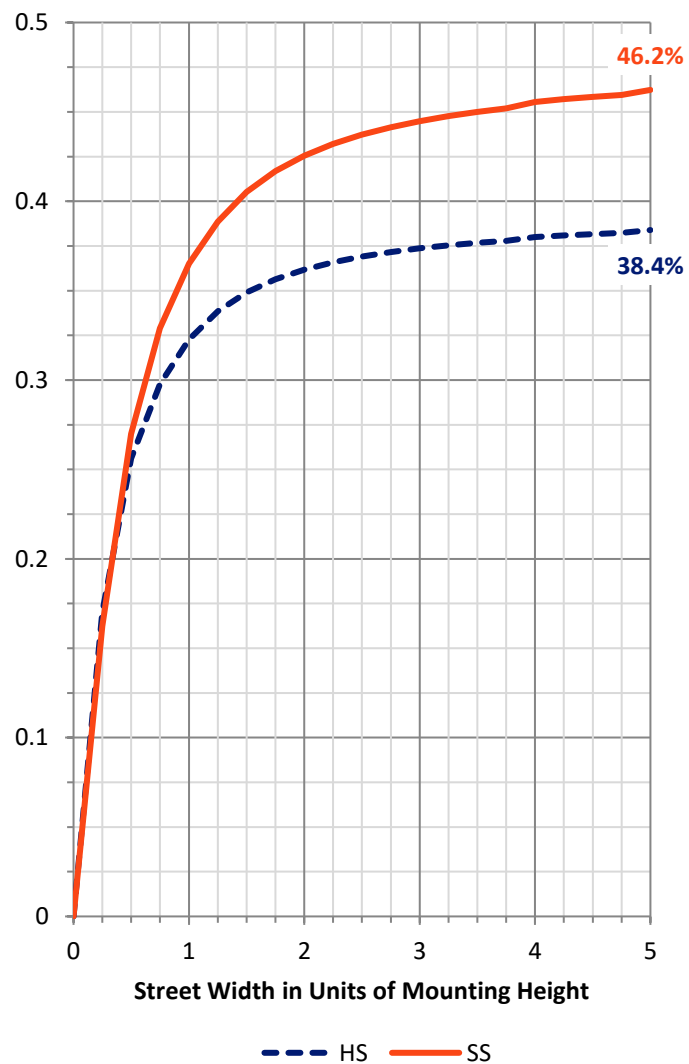
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2240.8	263.1	2503.9
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	2693.1	489.1	3182.1
	% Fixture	47.4	8.6	56.0
Total	Lumens	4933.8	752.2	5686.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.9	6.8
10°-20°	821.0	14.4
20°-30°	893.5	15.7
30°-40°	654.1	11.5
40°-50°	549.9	9.7
50°-60°	558.4	9.8
60°-70°	474.7	8.3
70°-80°	354.2	6.2
80°-90°	241.1	4.2
90°-100°	144.8	2.5
100°-110°	83.0	1.5
110°-120°	76.4	1.3
120°-130°	111.0	2.0
130°-140°	152.7	2.7
140°-150°	126.4	2.2
150°-160°	51.4	0.9
160°-170°	6.4	0.1
170°-180°	0.0	0.0
0°-90°	4933.8	86.8
0°-180°	5686.0	100.0

Coefficient of Utilization



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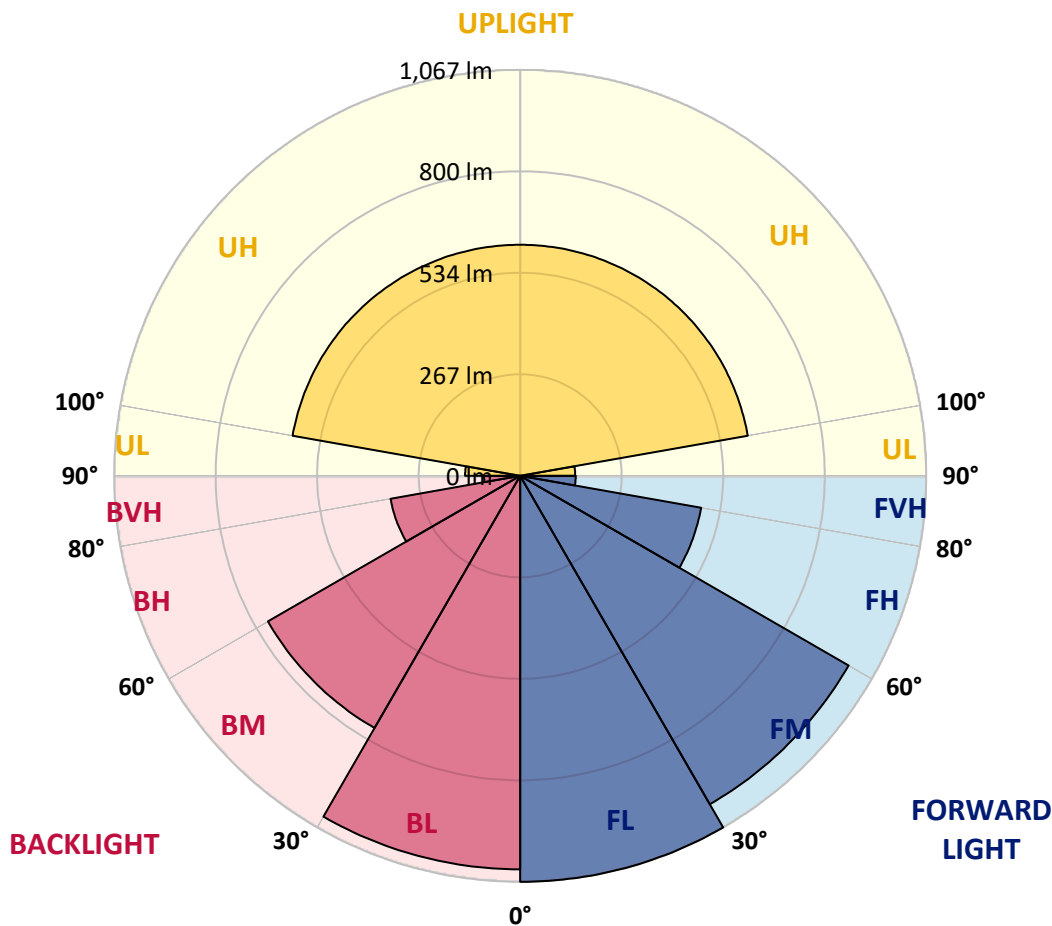
CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1067.2	18.8			
FM	(30°-60°)	996.8	17.5			
FH	(60°-80°)	483.0	8.5			G0/660
FVH	(80°-90°)	146.0	2.6			G2/225
BL	(0°-30°)	1034.3	18.2	B3/2500		
BM	(30°-60°)	765.5	13.5	B1/1000		
BH	(60°-80°)	345.9	6.1	B1/500		G1/500
BVH	(80°-90°)	95.1	1.7			G1/100
UL	(90°-100°)	144.8	2.5		U3/500	
UH	(100°-180°)	607.4	10.7		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4
2.5°	4031.1	4023.5	4079.2	4091.9	4097.0	4155.2	4233.7	4286.9	4383.1	4476.8	4514.8
5°	3246.2	3231.0	3332.3	3418.4	3522.2	3658.9	3760.2	3881.7	4026.1	4165.3	4231.2
7.5°	2676.5	2696.7	2841.0	3018.3	3185.4	3347.5	3471.5	3575.4	3658.9	3747.5	3765.3
10°	2408.0	2425.8	2567.6	2737.2	2891.7	3056.3	3162.6	3251.2	3304.4	3370.3	3393.0
12.5°	2365.0	2377.7	2473.9	2592.9	2709.4	2858.8	2993.0	3091.7	3152.5	3205.7	3210.7
15°	2408.0	2413.1	2471.4	2549.8	2651.1	2775.2	2929.7	3041.1	3109.4	3132.2	3127.2
17.5°	2478.9	2478.9	2506.8	2572.6	2668.9	2787.9	2934.7	3048.7	3119.6	3129.7	3109.4
20°	2509.3	2514.4	2532.1	2605.6	2691.6	2800.5	2947.4	3043.6	3099.3	3071.5	3036.0
22.5°	2281.4	2271.3	2319.4	2473.9	2666.3	2861.3	3000.6	3109.4	3139.8	3046.1	2970.2
25°	1845.9	1851.0	1881.4	1957.3	2106.7	2286.5	2595.4	2927.1	3157.6	3122.1	3008.2
27.5°	1610.4	1595.2	1602.8	1615.5	1595.2	1557.3	1592.7	1585.1	1580.0	1671.2	1681.3
30°	1182.5	1185.0	1197.7	1220.5	1268.6	1339.5	1415.5	1458.5	1496.5	1567.4	1557.3
32.5°	1174.9	1177.4	1185.0	1205.3	1230.6	1278.7	1326.8	1344.6	1385.1	1443.3	1425.6
35°	1098.9	1091.3	1111.6	1129.3	1136.9	1157.2	1195.2	1220.5	1245.8	1286.3	1276.2
37.5°	974.9	977.4	1017.9	1045.8	1053.4	1081.2	1116.7	1136.9	1164.8	1200.2	1182.5
40°	868.5	871.0	919.2	949.5	967.3	1005.3	1058.4	1083.7	1129.3	1157.2	1136.9
42.5°	747.0	757.1	790.0	825.5	835.6	858.4	893.8	926.8	985.0	1023.0	1010.3
45°	622.9	628.0	650.8	686.2	701.4	726.7	759.6	790.0	835.6	866.0	863.5
47.5°	549.5	554.5	574.8	605.2	635.6	668.5	703.9	734.3	777.4	802.7	792.6
50°	519.1	524.1	549.5	584.9	622.9	665.9	709.0	741.9	782.4	797.6	785.0
52.5°	524.1	524.1	559.6	605.2	658.4	716.6	769.8	810.3	843.2	853.3	825.5
55°	496.3	503.9	541.9	605.2	686.2	777.4	868.5	954.6	1002.7	992.6	939.4
57.5°	453.2	460.8	488.7	557.1	643.2	752.0	881.2	987.5	1045.8	1053.4	1000.2
60°	427.9	433.0	458.3	511.5	587.5	676.1	792.6	878.6	944.5	964.7	926.8
62.5°	405.1	410.2	430.5	471.0	526.7	595.0	660.9	716.6	769.8	790.0	774.8
65°	379.8	382.4	402.6	438.1	483.6	541.9	597.6	638.1	681.1	693.8	676.1
67.5°	354.5	357.0	374.8	407.7	450.7	503.9	546.9	592.5	635.6	645.7	633.0
70°	331.7	334.2	349.4	379.8	417.8	468.4	509.0	539.3	582.4	592.5	577.3
72.5°	308.9	311.5	326.6	354.5	389.9	435.5	471.0	501.4	536.8	539.3	526.7
75°	286.1	288.7	301.3	326.6	357.0	402.6	435.5	460.8	491.2	491.2	476.0
77.5°	260.8	265.9	276.0	298.8	326.6	369.7	400.1	425.4	450.7	448.2	433.0
80°	238.0	240.6	250.7	270.9	296.3	336.8	367.2	387.4	410.2	407.7	395.0
82.5°	212.7	215.2	222.8	243.1	265.9	303.9	334.2	354.5	374.8	369.7	357.0
85°	187.4	189.9	200.0	215.2	238.0	273.5	301.3	321.6	336.8	331.7	321.6
87.5°	167.1	167.1	174.7	189.9	210.2	243.1	268.4	288.7	301.3	298.8	288.7
90°	144.3	146.9	151.9	164.6	182.3	210.2	235.5	253.2	265.9	260.8	250.7
92.5°	126.6	126.6	131.7	144.3	159.5	184.8	207.6	222.8	233.0	230.4	222.8
95°	108.9	111.4	113.9	124.1	136.7	157.0	177.2	192.4	202.6	200.0	195.0
97.5°	96.2	98.8	101.3	106.3	119.0	131.7	149.4	162.1	172.2	169.7	164.6
100°	88.6	88.6	88.6	93.7	101.3	111.4	124.1	134.2	139.3	141.8	136.7
102.5°	81.0	81.0	83.6	83.6	88.6	93.7	101.3	108.9	111.4	111.4	111.4
105°	78.5	78.5	81.0	81.0	83.6	86.1	91.2	93.7	96.2	96.2	93.7
107.5°	78.5	78.5	78.5	78.5	81.0	83.6	86.1	88.6	88.6	88.6	86.1
110°	81.0	81.0	81.0	81.0	81.0	83.6	83.6	86.1	86.1	83.6	83.6

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CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	83.6	83.6	83.6	83.6	83.6	86.1	86.1	86.1	86.1	83.6	83.6
115°	88.6	88.6	88.6	91.2	91.2	91.2	91.2	91.2	91.2	88.6	86.1
117.5°	98.8	98.8	98.8	98.8	101.3	101.3	101.3	101.3	101.3	96.2	96.2
120°	111.4	108.9	111.4	113.9	116.5	116.5	116.5	116.5	116.5	111.4	108.9
122.5°	124.1	124.1	126.6	131.7	136.7	139.3	136.7	136.7	136.7	129.1	126.6
125°	139.3	139.3	146.9	157.0	164.6	167.1	164.6	164.6	164.6	157.0	151.9
127.5°	157.0	157.0	167.1	182.3	195.0	202.6	200.0	200.0	200.0	187.4	179.8
130°	174.7	174.7	189.9	210.2	230.4	235.5	238.0	240.6	240.6	225.4	215.2
132.5°	187.4	189.9	207.6	235.5	260.8	268.4	276.0	278.5	278.5	260.8	245.6
135°	200.0	202.6	225.4	258.3	286.1	303.9	311.5	314.0	316.5	296.3	278.5
137.5°	207.6	210.2	235.5	273.5	301.3	324.1	341.8	346.9	346.9	324.1	301.3
140°	207.6	210.2	238.0	273.5	303.9	331.7	352.0	362.1	362.1	339.3	319.0
142.5°	202.6	207.6	233.0	268.4	298.8	326.6	349.4	359.6	359.6	339.3	319.0
145°	192.4	195.0	220.3	250.7	281.1	314.0	339.3	349.4	349.4	329.2	308.9
147.5°	174.7	177.2	197.5	225.4	255.7	288.7	314.0	326.6	324.1	306.4	288.7
150°	151.9	151.9	169.7	192.4	222.8	253.2	278.5	291.2	291.2	273.5	258.3
152.5°	124.1	124.1	136.7	154.5	179.8	210.2	230.4	243.1	243.1	230.4	217.8
155°	96.2	96.2	106.3	119.0	139.3	162.1	177.2	189.9	189.9	179.8	169.7
157.5°	68.4	68.4	78.5	88.6	103.8	121.5	134.2	141.8	144.3	134.2	129.1
160°	45.6	45.6	50.6	58.2	70.9	83.6	91.2	98.8	101.3	93.7	91.2
162.5°	25.3	25.3	27.9	35.4	43.0	50.6	58.2	63.3	63.3	60.8	58.2
165°	7.6	7.6	10.1	12.7	17.7	22.8	25.3	27.9	30.4	30.4	27.9
167.5°	0.0	0.0	2.5	2.5	2.5	2.5	5.1	5.1	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°	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4	4998.4
2.5°	4593.3	4735.1	4889.5	5038.9	5221.2	5411.1	5585.9	5704.9	5768.2	5788.4	5788.4
5°	4281.8	4411.0	4524.9	4666.7	4887.0	5173.1	5489.6	5753.0	5902.4	5920.1	5922.6
7.5°	3795.6	3902.0	4021.0	4147.6	4342.6	4598.3	5016.1	5441.5	5684.6	5730.2	5712.5
10°	3398.1	3463.9	3534.8	3583.0	3719.7	3909.6	4193.2	4611.0	4909.8	4945.2	4970.6
12.5°	3213.3	3223.4	3203.1	3213.3	3258.8	3347.5	3486.7	3727.3	3922.3	3955.2	3972.9
15°	3119.6	3068.9	2987.9	2911.9	2871.4	2879.0	2909.4	3008.2	3041.1	3096.8	3071.5
17.5°	3076.5	2962.6	2836.0	2689.1	2598.0	2504.3	2453.6	2435.9	2423.2	2425.8	2448.6
20°	2967.6	2838.5	2635.9	2443.5	2296.6	2167.5	2058.6	1980.1	1937.1	1916.8	1932.0
22.5°	2853.7	2653.7	2415.6	2208.0	1997.8	1833.3	1709.2	1595.2	1531.9	1549.7	1529.4
25°	2856.2	2557.4	2273.8	2000.4	1802.9	1585.1	1387.6	1268.6	1164.8	1185.0	1212.9
27.5°	1800.3	1721.8	1519.3	1359.7	1162.2	1053.4	954.6	871.0	812.8	815.3	807.7
30°	1526.9	1445.8	1344.6	1218.0	1068.6	941.9	828.0	731.8	676.1	660.9	658.4
32.5°	1410.4	1342.0	1248.3	1124.3	987.5	860.9	747.0	658.4	602.6	600.1	600.1
35°	1255.9	1192.6	1114.1	1007.8	891.3	774.8	668.5	592.5	546.9	546.9	544.4
37.5°	1159.7	1104.0	1028.0	929.3	825.5	709.0	615.3	546.9	498.8	496.3	498.8
40°	1109.1	1050.8	977.4	883.7	779.9	668.5	579.9	509.0	473.5	471.0	468.4
42.5°	1007.8	962.2	898.9	812.8	721.7	622.9	539.3	476.0	445.7	443.1	445.7
45°	855.9	822.9	779.9	716.6	640.6	557.1	483.6	435.5	405.1	405.1	405.1
47.5°	785.0	754.6	706.5	643.2	577.3	498.8	438.1	397.5	369.7	369.7	369.7
50°	767.2	729.3	665.9	595.0	524.1	455.8	400.1	359.6	339.3	336.8	339.3
52.5°	792.6	734.3	648.2	564.7	486.2	420.3	367.2	329.2	308.9	308.9	308.9
55°	883.7	777.4	663.4	557.1	463.4	389.9	336.8	298.8	278.5	276.0	278.5
57.5°	944.5	810.3	668.5	549.5	448.2	369.7	311.5	270.9	250.7	248.1	250.7
60°	891.3	782.4	645.7	529.2	435.5	354.5	293.7	253.2	233.0	230.4	230.4
62.5°	739.4	676.1	577.3	478.6	402.6	331.7	276.0	238.0	217.8	215.2	217.8
65°	655.8	600.1	514.0	435.5	369.7	308.9	260.8	227.9	207.6	207.6	207.6
67.5°	610.2	559.6	478.6	402.6	341.8	286.1	240.6	210.2	192.4	192.4	192.4
70°	557.1	506.4	433.0	364.6	308.9	260.8	220.3	189.9	174.7	172.2	174.7
72.5°	511.5	460.8	392.5	329.2	278.5	235.5	200.0	172.2	159.5	157.0	159.5
75°	460.8	412.7	346.9	291.2	248.1	210.2	179.8	154.5	144.3	141.8	141.8
77.5°	417.8	372.2	311.5	260.8	222.8	187.4	159.5	141.8	131.7	129.1	129.1
80°	379.8	336.8	278.5	233.0	197.5	167.1	144.3	126.6	116.5	116.5	116.5
82.5°	339.3	301.3	248.1	205.1	174.7	149.4	126.6	111.4	103.8	103.8	103.8
85°	306.4	268.4	217.8	182.3	151.9	129.1	111.4	98.8	91.2	91.2	91.2
87.5°	270.9	238.0	192.4	159.5	134.2	113.9	96.2	83.6	81.0	78.5	78.5
90°	235.5	205.1	164.6	136.7	113.9	96.2	81.0	70.9	68.4	65.8	65.8
92.5°	210.2	182.3	149.4	124.1	103.8	86.1	76.0	65.8	63.3	63.3	60.8
95°	182.3	159.5	131.7	111.4	93.7	81.0	70.9	63.3	60.8	60.8	58.2
97.5°	157.0	136.7	116.5	101.3	86.1	76.0	65.8	60.8	55.7	55.7	55.7
100°	131.7	116.5	101.3	86.1	78.5	68.4	60.8	55.7	53.2	50.6	50.6
102.5°	106.3	96.2	83.6	76.0	65.8	58.2	53.2	48.1	45.6	45.6	45.6
105°	91.2	83.6	76.0	68.4	60.8	53.2	48.1	43.0	40.5	40.5	40.5
107.5°	83.6	78.5	70.9	63.3	58.2	50.6	45.6	38.0	35.4	38.0	38.0
110°	81.0	76.0	68.4	63.3	55.7	50.6	45.6	35.4	32.9	35.4	35.4

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CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	81.0	76.0	70.9	63.3	58.2	50.6	45.6	35.4	32.9	32.9	32.9
115°	83.6	81.0	73.4	68.4	60.8	53.2	45.6	35.4	32.9	32.9	32.9
117.5°	93.7	88.6	81.0	73.4	65.8	55.7	48.1	35.4	32.9	32.9	32.9
120°	103.8	98.8	91.2	81.0	70.9	60.8	50.6	35.4	30.4	32.9	32.9
122.5°	121.5	113.9	103.8	91.2	78.5	65.8	50.6	38.0	27.9	32.9	32.9
125°	144.3	134.2	119.0	101.3	86.1	70.9	53.2	38.0	30.4	32.9	32.9
127.5°	169.7	157.0	136.7	113.9	93.7	73.4	55.7	38.0	30.4	30.4	32.9
130°	202.6	182.3	154.5	126.6	101.3	78.5	55.7	38.0	30.4	30.4	30.4
132.5°	230.4	205.1	169.7	136.7	106.3	81.0	55.7	38.0	27.9	27.9	27.9
135°	258.3	225.4	182.3	144.3	111.4	81.0	55.7	35.4	27.9	27.9	27.9
137.5°	281.1	238.0	192.4	146.9	111.4	78.5	53.2	32.9	25.3	25.3	25.3
140°	293.7	245.6	195.0	146.9	106.3	76.0	48.1	30.4	22.8	22.8	22.8
142.5°	293.7	243.1	192.4	141.8	101.3	70.9	43.0	25.3	20.3	20.3	20.3
145°	283.6	233.0	182.3	134.2	93.7	63.3	38.0	22.8	15.2	15.2	17.7
147.5°	265.9	215.2	167.1	121.5	83.6	53.2	32.9	17.7	12.7	12.7	12.7
150°	235.5	189.9	144.3	106.3	70.9	45.6	27.9	15.2	10.1	10.1	10.1
152.5°	197.5	157.0	121.5	88.6	58.2	35.4	20.3	12.7	7.6	7.6	7.6
155°	157.0	124.1	96.2	68.4	43.0	27.9	15.2	10.1	7.6	7.6	7.6
157.5°	116.5	93.7	70.9	50.6	32.9	20.3	12.7	7.6	5.1	5.1	5.1
160°	81.0	65.8	48.1	32.9	20.3	12.7	7.6	5.1	2.5	2.5	2.5
162.5°	53.2	40.5	30.4	20.3	12.7	7.6	5.1	2.5	2.5	2.5	2.5
165°	25.3	20.3	15.2	10.1	5.1	5.1	2.5	2.5	0.0	0.0	0.0
167.5°	7.6	5.1	2.5	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)