

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: P690961

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690961
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-T3-7040-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 6604 lumens
Efficiency: N/A
Efficacy: 108.3 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



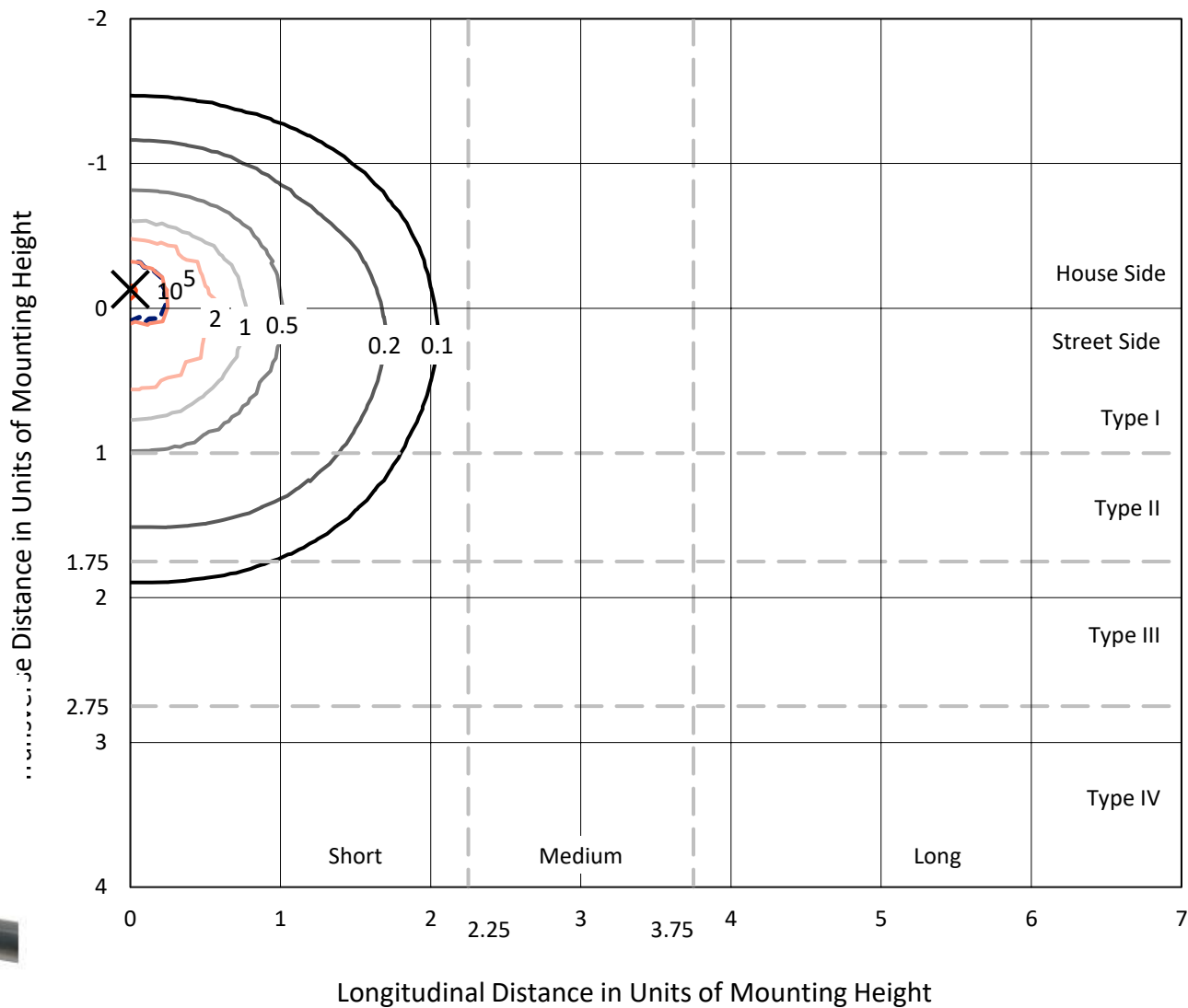
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



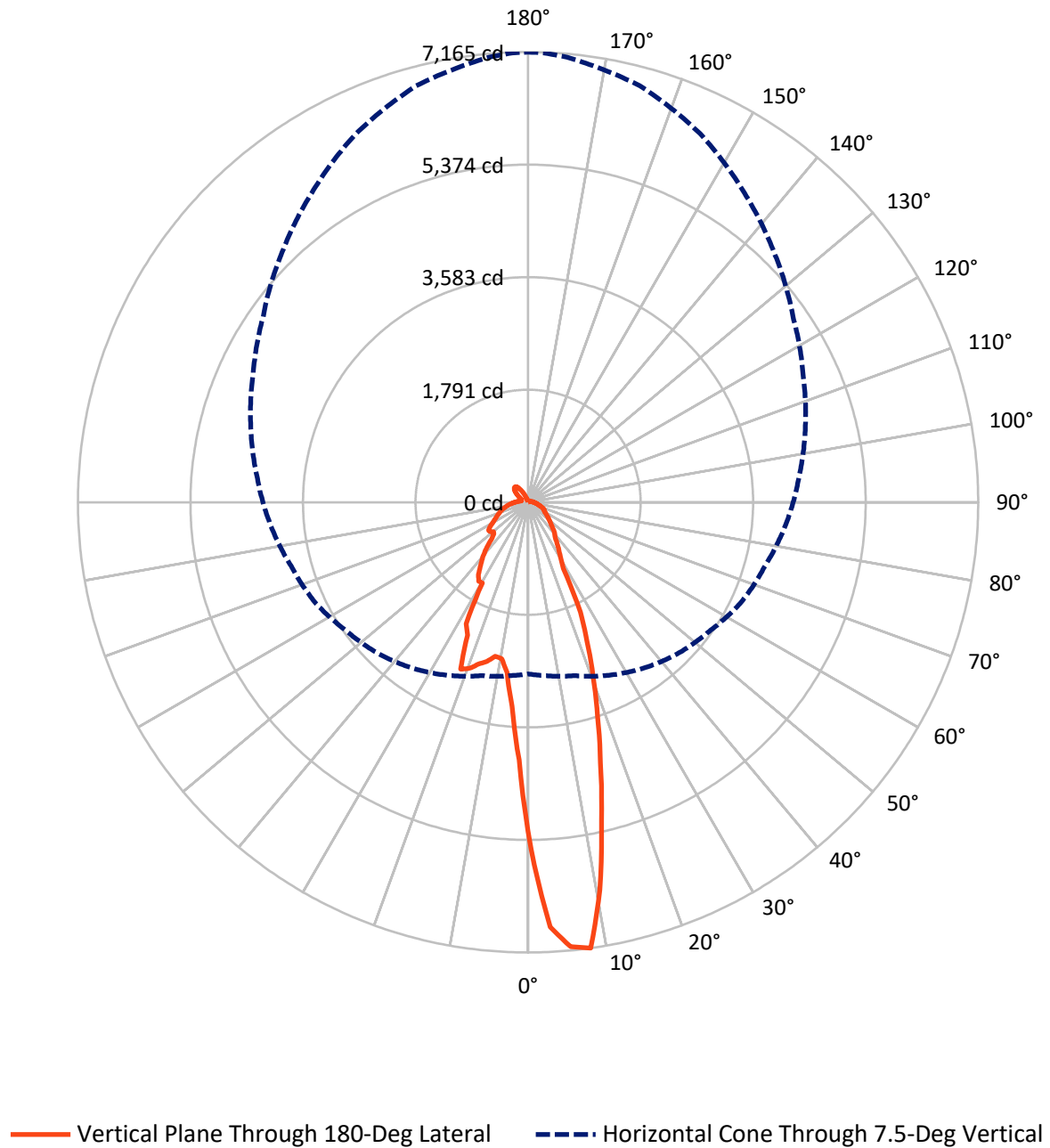
Based on 25 foot mounting height. Maximum calculated value = 11.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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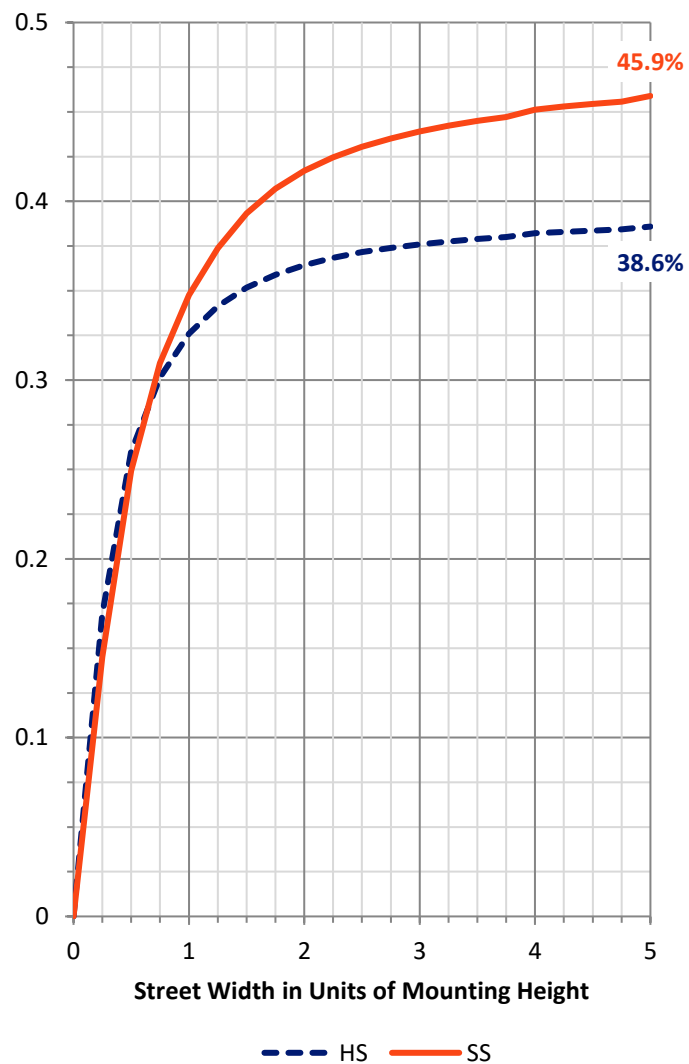
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2614.6	272.7	2887.3
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3117.9	598.8	3716.7
	% Fixture	47.2	9.1	56.3
Total	Lumens	5732.5	871.5	6604.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	6.7
10°-20°	946.5	14.3
20°-30°	1045.2	15.8
30°-40°	758.1	11.5
40°-50°	638.7	9.7
50°-60°	652.0	9.9
60°-70°	555.7	8.4
70°-80°	414.3	6.3
80°-90°	279.6	4.2
90°-100°	167.1	2.5
100°-110°	96.1	1.5
110°-120°	89.9	1.4
120°-130°	130.9	2.0
130°-140°	177.9	2.7
140°-150°	144.8	2.2
150°-160°	57.7	0.9
160°-170°	7.0	0.1
170°-180°	0.0	0.0
0°-90°	5732.5	86.8
0°-180°	6604.0	100.0

Coefficient of Utilization



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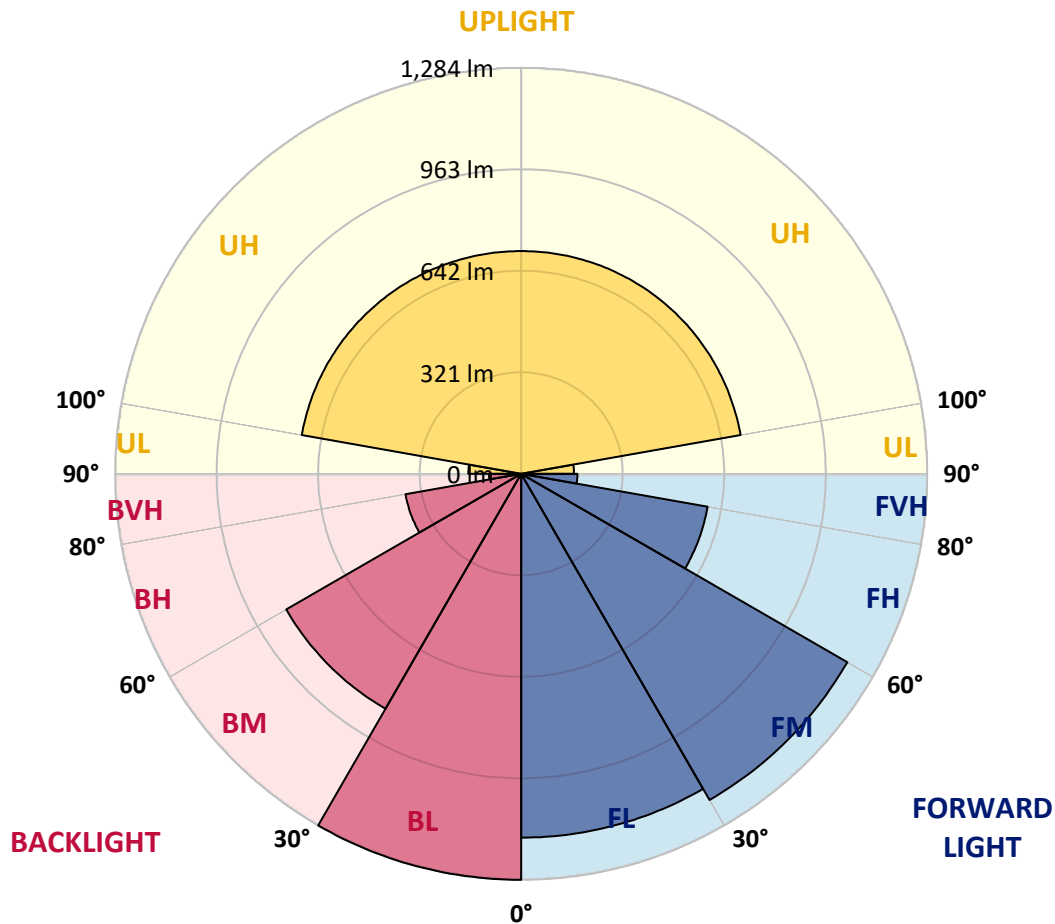
CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1150.4	17.4			
FM	(30°-60°)	1191.0	18.0			
FH	(60°-80°)	598.6	9.1			G0/660
FVH	(80°-90°)	177.9	2.7			G2/225
BL	(0°-30°)	1283.8	19.4	B3/2500		
BM	(30°-60°)	857.8	13.0	B1/1000		
BH	(60°-80°)	371.3	5.6	B1/500		G1/500
BVH	(80°-90°)	101.7	1.5			G2/225
UL	(90°-100°)	167.1	2.5		U3/500	
UH	(100°-180°)	704.3	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°	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2
2.5°	4098.4	4193.5	4202.2	4305.9	4383.8	4455.8	4507.7	4657.6	4810.3	4954.4	5038.0
5°	3254.0	3300.1	3383.7	3496.1	3640.2	3752.6	3914.0	4124.4	4326.1	4579.7	4703.7
7.5°	2732.3	2766.9	2856.2	3037.8	3219.4	3392.3	3547.9	3749.7	3905.3	4115.7	4219.5
10°	2524.8	2544.9	2619.9	2746.7	2919.6	3063.7	3199.2	3351.9	3490.3	3683.4	3758.3
12.5°	2504.6	2513.2	2573.8	2663.1	2764.0	2882.2	2994.6	3124.3	3271.2	3424.0	3481.6
15°	2614.1	2608.4	2628.5	2680.4	2738.0	2830.3	2934.0	3052.2	3193.4	3305.8	3351.9
17.5°	2691.9	2689.1	2726.5	2749.6	2804.3	2859.1	2962.9	3055.1	3193.4	3282.8	3308.7
20°	2804.3	2810.1	2821.6	2864.9	2887.9	2925.4	2988.8	3043.6	3161.7	3213.6	3207.8
22.5°	2864.9	2862.0	2911.0	3011.9	3037.8	3058.0	3069.5	3092.6	3158.8	3156.0	3112.7
25°	2323.0	2328.8	2340.3	2426.8	2536.3	2715.0	2862.0	3092.6	3216.5	3170.4	3078.1
27.5°	2170.3	2153.0	2092.4	2043.4	1896.5	1798.5	1706.2	1665.9	1686.1	1720.6	1815.8
30°	1478.5	1481.4	1487.2	1495.8	1510.3	1547.7	1573.7	1576.5	1596.7	1654.4	1634.2
32.5°	1481.4	1484.3	1475.7	1484.3	1478.5	1493.0	1490.1	1478.5	1495.8	1547.7	1527.5
35°	1392.1	1386.3	1392.1	1395.0	1363.3	1351.7	1348.8	1340.2	1351.7	1377.7	1360.4
37.5°	1253.7	1250.9	1276.8	1291.2	1265.3	1265.3	1259.5	1248.0	1256.6	1279.7	1256.6
40°	1132.7	1135.6	1173.0	1196.1	1187.4	1196.1	1204.7	1201.9	1222.0	1230.7	1201.9
42.5°	1000.1	994.3	1031.8	1049.1	1031.8	1037.6	1034.7	1037.6	1077.9	1095.2	1075.0
45°	835.8	844.5	861.8	884.8	881.9	890.6	887.7	893.5	919.4	928.1	913.6
47.5°	743.6	749.4	769.5	795.5	809.9	824.3	824.3	827.2	844.5	847.4	832.9
50°	723.4	729.2	755.1	783.9	807.0	824.3	832.9	830.1	838.7	832.9	812.8
52.5°	758.0	758.0	798.4	832.9	861.8	893.5	905.0	893.5	893.5	870.4	838.7
55°	772.4	775.3	824.3	884.8	939.6	997.2	1034.7	1031.8	1028.9	991.5	933.8
57.5°	726.3	735.0	783.9	853.1	928.1	1020.3	1075.0	1083.7	1083.7	1034.7	971.3
60°	660.0	665.8	703.2	760.9	835.8	905.0	962.6	968.4	985.7	959.8	902.1
62.5°	605.3	611.0	642.7	686.0	740.7	783.9	801.2	801.2	809.9	801.2	760.9
65°	564.9	567.8	593.7	631.2	668.7	703.2	720.5	714.8	726.3	714.8	683.1
67.5°	527.4	527.4	550.5	579.3	613.9	654.2	665.8	671.5	683.1	668.7	639.8
70°	490.0	492.8	515.9	539.0	570.7	599.5	611.0	613.9	628.3	611.0	590.8
72.5°	458.3	458.3	478.4	501.5	524.6	553.4	562.0	567.8	576.4	559.1	541.8
75°	420.8	423.7	441.0	461.1	481.3	510.1	518.8	521.7	530.3	510.1	492.8
77.5°	386.2	389.1	403.5	420.8	441.0	464.0	472.7	478.4	481.3	464.0	446.7
80°	351.6	354.5	366.0	383.3	400.6	423.7	429.4	432.3	438.1	417.9	406.4
82.5°	319.9	319.9	328.6	343.0	360.3	380.4	389.1	392.0	394.9	377.6	366.0
85°	282.5	282.5	291.1	305.5	319.9	340.1	348.7	351.6	351.6	337.2	325.7
87.5°	250.7	250.7	256.5	268.0	279.6	299.7	308.4	314.2	311.3	299.7	288.2
90°	219.0	219.0	224.8	233.5	245.0	262.3	270.9	273.8	273.8	259.4	250.7
92.5°	190.2	190.2	196.0	204.6	213.3	227.7	236.3	242.1	242.1	230.6	221.9
95°	164.3	164.3	167.2	175.8	184.5	196.0	201.8	207.5	207.5	201.8	193.1
97.5°	141.2	141.2	144.1	149.9	155.6	164.3	170.0	175.8	175.8	172.9	167.2
100°	123.9	123.9	123.9	126.8	132.6	135.5	141.2	147.0	147.0	144.1	141.2
102.5°	112.4	112.4	112.4	112.4	112.4	115.3	115.3	118.2	118.2	118.2	115.3
105°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	103.8	100.9	98.0
107.5°	106.6	103.8	103.8	103.8	103.8	100.9	100.9	100.9	98.0	95.1	92.2
110°	106.6	106.6	106.6	106.6	103.8	100.9	100.9	98.0	95.1	92.2	89.3

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CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	112.4	112.4	112.4	109.5	106.6	106.6	103.8	100.9	98.0	92.2	89.3
115°	121.1	121.1	121.1	121.1	118.2	112.4	109.5	106.6	100.9	98.0	95.1
117.5°	135.5	135.5	135.5	135.5	129.7	126.8	121.1	118.2	112.4	106.6	103.8
120°	152.8	152.8	155.6	155.6	152.8	147.0	138.3	135.5	129.7	121.1	115.3
122.5°	178.7	175.8	181.6	181.6	181.6	175.8	164.3	158.5	152.8	141.2	135.5
125°	204.6	204.6	210.4	216.2	219.0	210.4	198.9	190.2	181.6	167.2	158.5
127.5°	233.5	233.5	245.0	256.5	262.3	253.6	239.2	230.6	219.0	198.9	187.3
130°	262.3	262.3	279.6	296.9	305.5	299.7	285.3	273.8	259.4	233.5	219.0
132.5°	288.2	288.2	308.4	331.4	343.0	340.1	325.7	314.2	302.6	270.9	250.7
135°	308.4	311.3	337.2	363.2	377.6	380.4	366.0	351.6	337.2	302.6	279.6
137.5°	319.9	325.7	351.6	383.3	397.7	406.4	397.7	383.3	366.0	328.6	302.6
140°	322.8	325.7	354.5	386.2	400.6	412.1	412.1	394.9	380.4	343.0	314.2
142.5°	314.2	317.0	345.9	374.7	389.1	403.5	406.4	392.0	377.6	343.0	314.2
145°	294.0	299.7	325.7	348.7	368.9	383.3	389.1	380.4	363.2	331.4	305.5
147.5°	268.0	270.9	294.0	314.2	334.3	351.6	360.3	351.6	337.2	308.4	285.3
150°	227.7	230.6	247.9	265.2	288.2	305.5	317.0	311.3	299.7	276.7	253.6
152.5°	184.5	184.5	198.9	213.3	233.5	250.7	262.3	259.4	250.7	230.6	213.3
155°	141.2	141.2	149.9	161.4	178.7	190.2	201.8	201.8	196.0	181.6	167.2
157.5°	100.9	100.9	109.5	118.2	129.7	141.2	149.9	149.9	147.0	135.5	126.8
160°	66.3	66.3	72.1	77.8	89.3	95.1	103.8	103.8	100.9	95.1	89.3
162.5°	34.6	34.6	40.4	43.2	51.9	57.6	63.4	66.3	66.3	60.5	57.6
165°	11.5	11.5	11.5	14.4	20.2	25.9	28.8	31.7	31.7	28.8	28.8
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.8	8.6	8.6	8.6	8.6
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°	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2	5522.2
2.5°	5127.4	5389.6	5614.4	5850.8	6113.1	6335.0	6559.8	6683.7	6790.4	6770.2	6770.2
5°	4824.7	5087.0	5360.8	5649.0	6003.5	6366.7	6712.5	6960.4	7090.1	7110.3	7107.4
7.5°	4323.2	4568.2	4827.6	5147.5	5562.6	6006.4	6476.2	6865.3	7110.3	7156.4	7165.0
10°	3827.5	4012.0	4231.0	4450.1	4821.8	5228.2	5649.0	5960.3	6199.5	6234.1	6274.5
12.5°	3530.6	3631.5	3772.7	3925.5	4167.6	4464.5	4810.3	4989.0	5141.8	5159.1	5196.5
15°	3377.9	3426.9	3461.5	3516.2	3660.3	3844.8	4003.3	4179.1	4242.5	4285.8	4305.9
17.5°	3317.4	3311.6	3277.0	3277.0	3288.5	3357.7	3458.6	3519.1	3559.5	3579.6	3585.4
20°	3193.4	3141.6	3072.4	2980.2	2931.2	2908.1	2934.0	2948.4	2936.9	2922.5	2948.4
22.5°	3063.7	2954.2	2830.3	2723.6	2596.8	2519.0	2444.1	2418.1	2386.4	2406.6	2406.6
25°	3023.4	2830.3	2631.4	2452.7	2262.5	2132.8	1994.5	1945.5	1896.5	1936.8	1936.8
27.5°	1786.9	1786.9	1674.5	1524.7	1360.4	1291.2	1236.4	1204.7	1184.6	1193.2	1193.2
30°	1599.6	1524.7	1455.5	1360.4	1233.6	1150.0	1077.9	1034.7	1014.5	1008.8	1014.5
32.5°	1484.3	1426.7	1343.1	1248.0	1135.6	1043.3	962.6	919.4	887.7	893.5	896.4
35°	1328.7	1268.1	1196.1	1106.7	1011.6	925.2	853.1	809.9	781.1	781.1	783.9
37.5°	1230.7	1170.2	1101.0	1020.3	928.1	844.5	778.2	726.3	700.4	697.5	697.5
40°	1170.2	1109.6	1046.2	965.5	879.1	792.6	726.3	680.2	648.5	648.5	651.4
42.5°	1060.6	1003.0	948.2	876.2	798.4	723.4	660.0	619.7	588.0	582.2	588.0
45°	893.5	861.8	818.5	769.5	703.2	642.7	585.1	550.5	524.6	524.6	521.7
47.5°	818.5	786.8	740.7	691.7	637.0	576.4	530.3	498.6	475.6	475.6	475.6
50°	789.7	755.1	697.5	642.7	579.3	527.4	487.1	455.4	438.1	438.1	435.2
52.5°	804.1	749.4	674.4	596.6	536.1	484.2	443.9	412.1	397.7	397.7	394.9
55°	881.9	783.9	674.4	579.3	507.3	449.6	409.3	374.7	360.3	360.3	360.3
57.5°	913.6	804.1	668.7	562.0	481.3	420.8	371.8	340.1	325.7	325.7	322.8
60°	856.0	763.8	639.8	539.0	461.1	400.6	354.5	322.8	305.5	305.5	302.6
62.5°	729.2	662.9	567.8	492.8	432.3	377.6	337.2	305.5	291.1	291.1	291.1
65°	654.2	596.6	521.7	455.4	400.6	354.5	317.0	291.1	276.7	276.7	276.7
67.5°	611.0	562.0	487.1	423.7	368.9	325.7	291.1	268.0	256.5	253.6	256.5
70°	564.9	513.0	443.9	383.3	334.3	294.0	262.3	239.2	227.7	227.7	227.7
72.5°	515.9	466.9	400.6	345.9	296.9	265.2	233.5	213.3	201.8	201.8	198.9
75°	469.8	420.8	357.4	305.5	265.2	233.5	207.5	190.2	178.7	178.7	178.7
77.5°	426.6	380.4	319.9	273.8	236.3	210.4	184.5	170.0	161.4	161.4	158.5
80°	386.2	343.0	285.3	245.0	210.4	187.3	164.3	152.8	144.1	144.1	144.1
82.5°	345.9	305.5	253.6	216.2	187.3	164.3	147.0	135.5	129.7	126.8	129.7
85°	308.4	270.9	224.8	190.2	164.3	144.1	129.7	118.2	112.4	112.4	112.4
87.5°	273.8	239.2	198.9	167.2	144.1	126.8	112.4	103.8	100.9	98.0	98.0
90°	236.3	204.6	170.0	144.1	123.9	109.5	95.1	89.3	83.6	83.6	83.6
92.5°	210.4	184.5	152.8	129.7	112.4	100.9	89.3	83.6	77.8	77.8	77.8
95°	184.5	161.4	135.5	118.2	103.8	92.2	83.6	77.8	74.9	74.9	74.9
97.5°	158.5	141.2	121.1	106.6	95.1	86.5	77.8	72.1	69.2	69.2	69.2
100°	132.6	121.1	106.6	95.1	86.5	77.8	69.2	66.3	63.4	63.4	63.4
102.5°	109.5	100.9	89.3	80.7	72.1	66.3	60.5	57.6	54.8	54.8	54.8
105°	95.1	89.3	80.7	72.1	66.3	60.5	54.8	49.0	49.0	49.0	49.0
107.5°	89.3	80.7	74.9	69.2	63.4	54.8	51.9	46.1	43.2	43.2	43.2
110°	86.5	80.7	74.9	66.3	60.5	54.8	49.0	43.2	40.4	40.4	40.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	86.5	80.7	74.9	69.2	63.4	54.8	51.9	40.4	37.5	37.5	37.5
115°	92.2	86.5	77.8	72.1	63.4	57.6	51.9	40.4	37.5	37.5	37.5
117.5°	98.0	92.2	83.6	77.8	69.2	60.5	51.9	40.4	37.5	37.5	37.5
120°	112.4	103.8	92.2	83.6	74.9	63.4	54.8	40.4	34.6	37.5	37.5
122.5°	126.8	118.2	103.8	92.2	80.7	69.2	54.8	40.4	34.6	37.5	37.5
125°	149.9	135.5	118.2	103.8	86.5	72.1	57.6	40.4	31.7	34.6	37.5
127.5°	175.8	158.5	135.5	115.3	95.1	74.9	57.6	40.4	31.7	34.6	34.6
130°	204.6	181.6	152.8	123.9	100.9	77.8	57.6	40.4	31.7	34.6	34.6
132.5°	233.5	201.8	167.2	135.5	106.6	80.7	57.6	37.5	31.7	31.7	31.7
135°	256.5	219.0	178.7	141.2	109.5	80.7	54.8	37.5	28.8	28.8	28.8
137.5°	276.7	233.5	187.3	144.1	109.5	77.8	51.9	34.6	25.9	25.9	25.9
140°	288.2	239.2	190.2	141.2	103.8	74.9	49.0	31.7	23.1	23.1	23.1
142.5°	288.2	236.3	184.5	138.3	98.0	69.2	43.2	25.9	20.2	20.2	20.2
145°	276.7	224.8	175.8	129.7	89.3	60.5	37.5	23.1	17.3	17.3	17.3
147.5°	259.4	207.5	161.4	118.2	80.7	51.9	31.7	20.2	14.4	14.4	14.4
150°	230.6	184.5	141.2	100.9	69.2	43.2	25.9	17.3	11.5	11.5	11.5
152.5°	193.1	152.8	118.2	83.6	57.6	34.6	23.1	11.5	8.6	8.6	8.6
155°	152.8	121.1	92.2	66.3	43.2	25.9	17.3	11.5	5.8	5.8	5.8
157.5°	115.3	89.3	69.2	49.0	31.7	20.2	11.5	8.6	5.8	5.8	5.8
160°	80.7	63.4	46.1	31.7	20.2	14.4	8.6	5.8	2.9	2.9	2.9
162.5°	51.9	40.4	28.8	20.2	11.5	8.6	5.8	2.9	2.9	2.9	0.0
165°	25.9	20.2	14.4	8.6	5.8	2.9	2.9	2.9	0.0	0.0	0.0
167.5°	5.8	5.8	5.8	2.9	2.9	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)