

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: P691849

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691849
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-C01H-D-U-T2-7040-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 7255 lumens
Efficiency: N/A
Efficacy: 103.3 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): 70.2
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

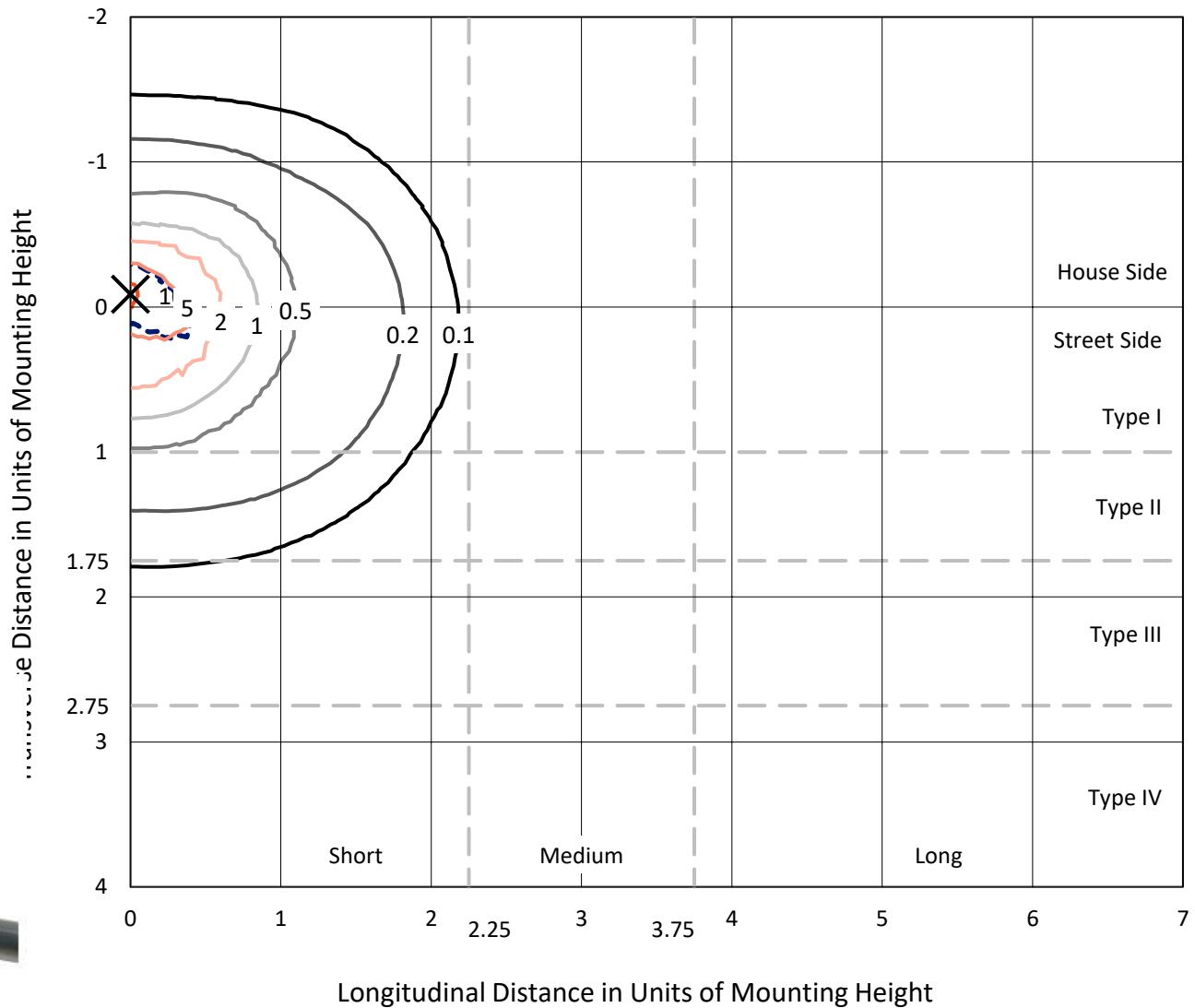


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

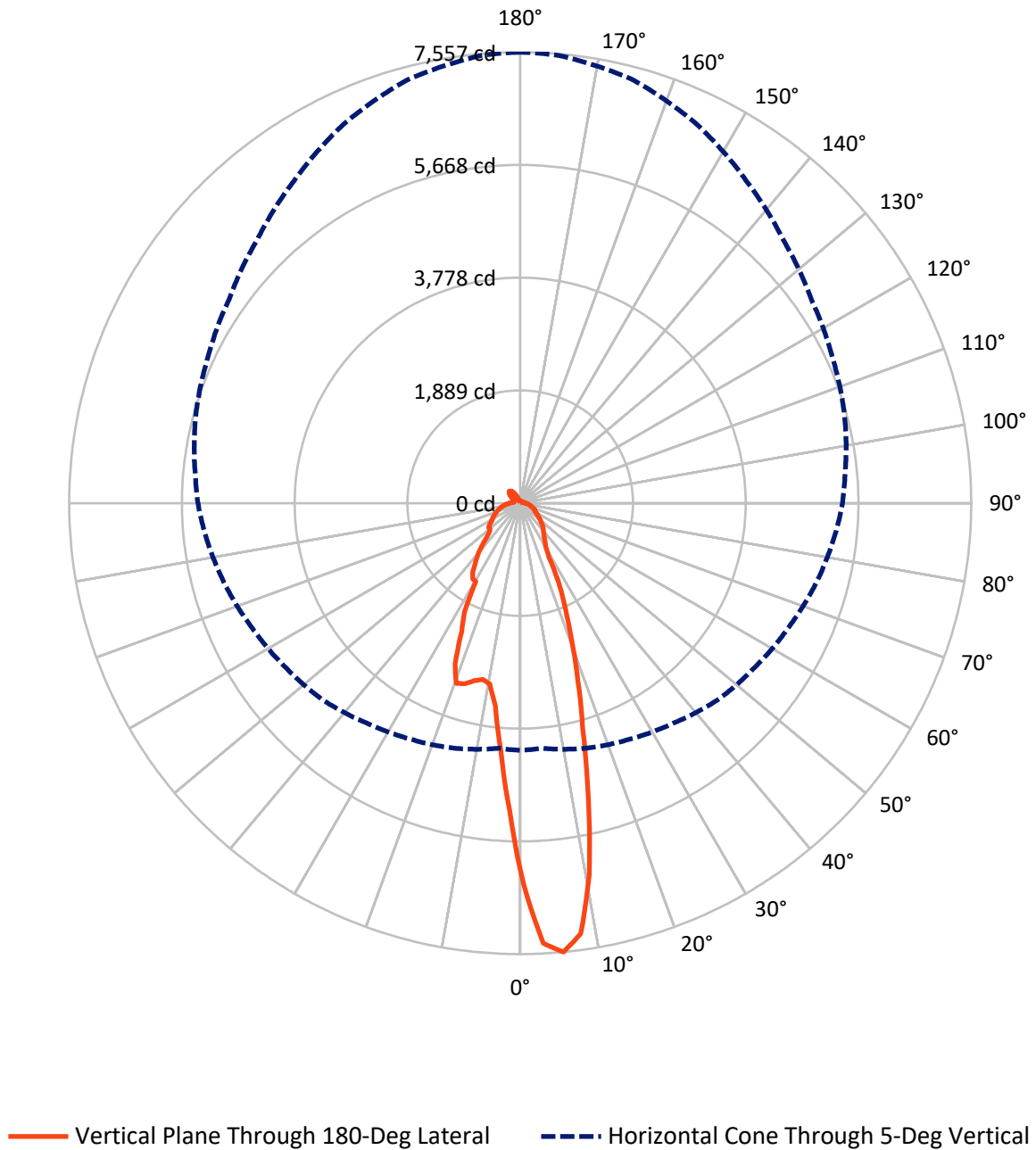


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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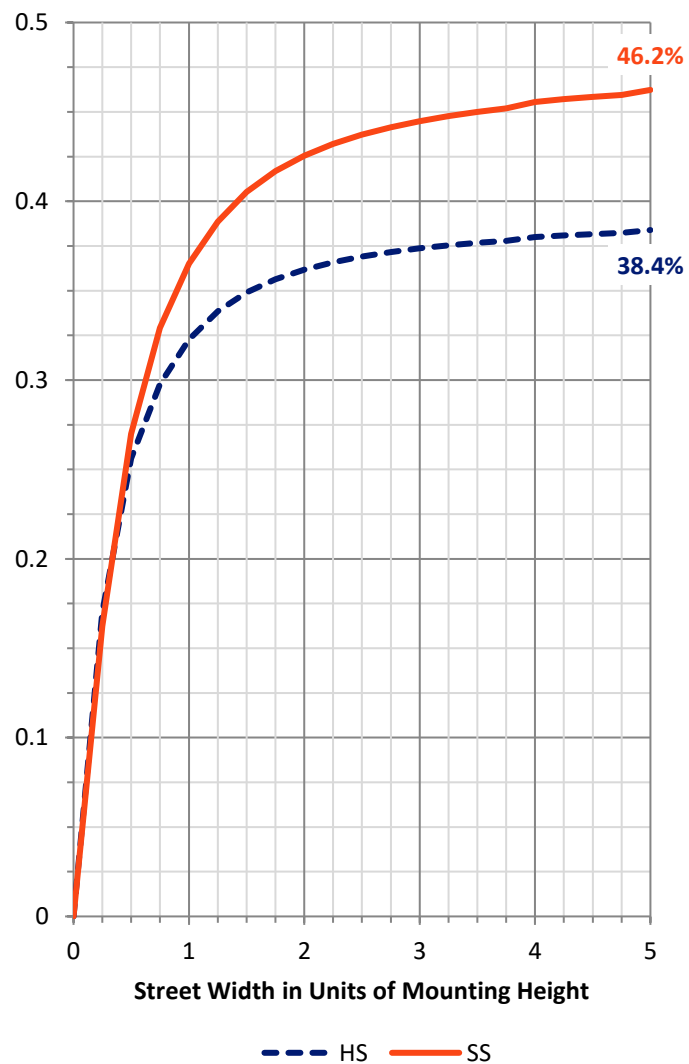
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2859.1	335.7	3194.8
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3436.2	624.0	4060.2
	% Fixture	47.4	8.6	56.0
Total	Lumens	6295.3	959.7	7255.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	6.8
10°-20°	1047.6	14.4
20°-30°	1140.1	15.7
30°-40°	834.5	11.5
40°-50°	701.6	9.7
50°-60°	712.5	9.8
60°-70°	605.7	8.3
70°-80°	452.0	6.2
80°-90°	307.6	4.2
90°-100°	184.7	2.5
100°-110°	105.9	1.5
110°-120°	97.5	1.3
120°-130°	141.7	2.0
130°-140°	194.8	2.7
140°-150°	161.3	2.2
150°-160°	65.6	0.9
160°-170°	8.2	0.1
170°-180°	0.0	0.0
0°-90°	6295.3	86.8
0°-180°	7255.0	100.0

Coefficient of Utilization



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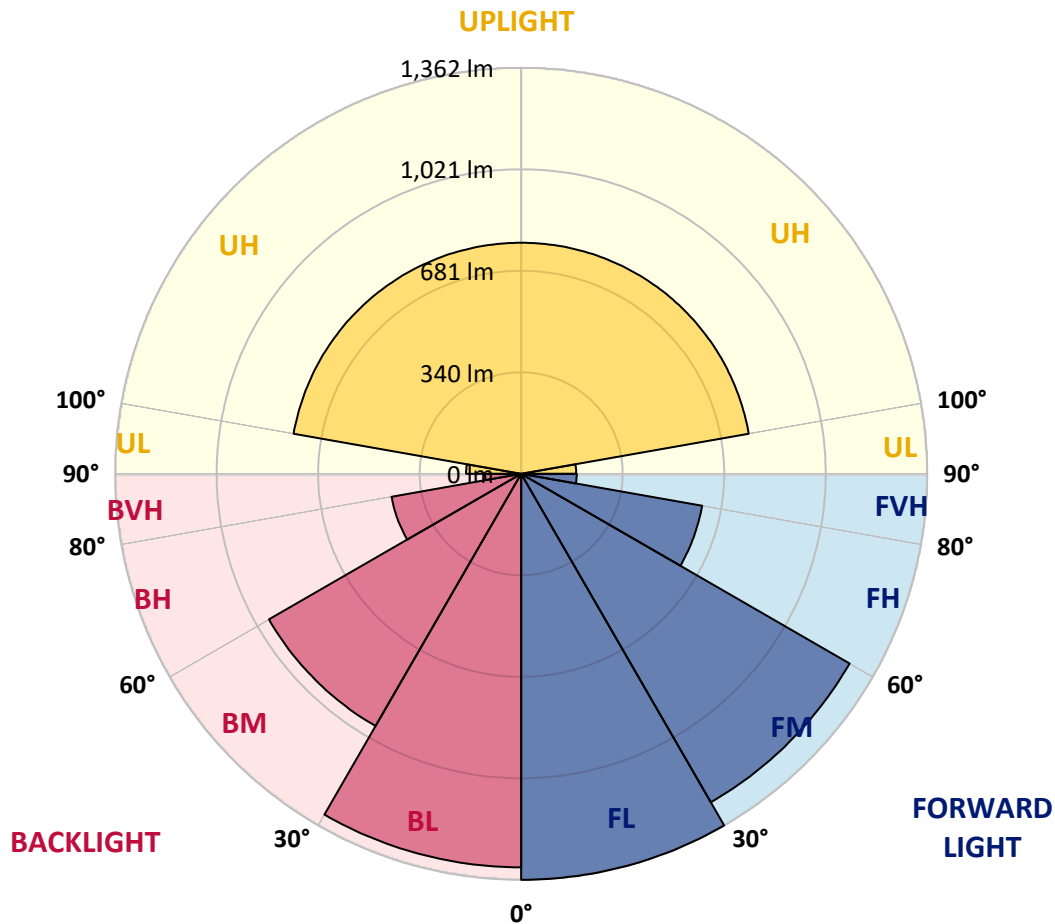
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1361.7	18.8			
FM	(30°-60°)	1271.9	17.5			
FH	(60°-80°)	616.3	8.5			G0/660
FVH	(80°-90°)	186.3	2.6			G2/225
BL	(0°-30°)	1319.7	18.2	B3/2500		
BM	(30°-60°)	976.8	13.5	B1/1000		
BH	(60°-80°)	441.3	6.1	B1/500		G1/500
BVH	(80°-90°)	121.3	1.7			G2/225
UL	(90°-100°)	184.7	2.5		U3/500	
UH	(100°-180°)	774.9	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°	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7
2.5°	5143.5	5133.8	5204.9	5221.0	5227.5	5301.8	5402.0	5469.8	5592.6	5712.1	5760.6
5°	4141.9	4122.5	4251.8	4361.6	4494.1	4668.6	4797.8	4952.9	5137.0	5314.7	5398.7
7.5°	3415.0	3440.8	3625.0	3851.2	4064.4	4271.2	4429.5	4561.9	4668.6	4781.6	4804.3
10°	3072.5	3095.1	3276.1	3492.5	3689.6	3899.6	4035.3	4148.4	4216.2	4300.2	4329.3
12.5°	3017.6	3033.8	3156.5	3308.4	3457.0	3647.6	3818.8	3944.9	4022.4	4090.2	4096.7
15°	3072.5	3079.0	3153.3	3253.5	3382.7	3541.0	3738.1	3880.2	3967.5	3996.5	3990.1
17.5°	3163.0	3163.0	3198.5	3282.5	3405.3	3557.2	3744.5	3889.9	3980.4	3993.3	3967.5
20°	3201.8	3208.2	3230.8	3324.5	3434.4	3573.3	3760.7	3883.5	3954.5	3919.0	3873.8
22.5°	2911.0	2898.1	2959.4	3156.5	3402.1	3650.8	3828.5	3967.5	4006.2	3886.7	3789.8
25°	2355.3	2361.7	2400.5	2497.4	2688.1	2917.4	3311.6	3734.8	4028.9	3983.6	3838.2
27.5°	2054.8	2035.4	2045.1	2061.3	2035.4	1987.0	2032.2	2022.5	2016.0	2132.4	2145.3
30°	1508.8	1512.0	1528.2	1557.3	1618.6	1709.1	1806.0	1861.0	1909.4	1999.9	1987.0
32.5°	1499.1	1502.3	1512.0	1537.9	1570.2	1631.6	1693.0	1715.6	1767.3	1841.6	1819.0
35°	1402.2	1392.5	1418.3	1441.0	1450.6	1476.5	1525.0	1557.3	1589.6	1641.3	1628.3
37.5°	1243.9	1247.1	1298.8	1334.3	1344.0	1379.6	1424.8	1450.6	1486.2	1531.4	1508.8
40°	1108.2	1111.4	1172.8	1211.6	1234.2	1282.6	1350.5	1382.8	1441.0	1476.5	1450.6
42.5°	953.1	966.0	1008.0	1053.3	1066.2	1095.3	1140.5	1182.5	1256.8	1305.3	1289.1
45°	794.8	801.2	830.3	875.6	894.9	927.3	969.3	1008.0	1066.2	1104.9	1101.7
47.5°	701.1	707.6	733.4	772.2	810.9	852.9	898.2	936.9	991.9	1024.2	1011.3
50°	662.3	668.8	701.1	746.3	794.8	849.7	904.6	946.6	998.3	1017.7	1001.6
52.5°	668.8	668.8	714.0	772.2	840.0	914.3	982.2	1033.9	1075.9	1088.8	1053.3
55°	633.2	642.9	691.4	772.2	875.6	991.9	1108.2	1218.0	1279.4	1266.5	1198.6
57.5°	578.3	588.0	623.6	710.8	820.6	959.6	1124.3	1260.0	1334.3	1344.0	1276.2
60°	546.0	552.5	584.8	652.6	749.6	862.6	1011.3	1121.1	1205.1	1230.9	1182.5
62.5°	516.9	523.4	549.2	600.9	672.0	759.2	843.2	914.3	982.2	1008.0	988.6
65°	484.6	487.9	513.7	558.9	617.1	691.4	762.5	814.2	869.1	885.2	862.6
67.5°	452.3	455.5	478.2	520.2	575.1	642.9	697.9	756.0	810.9	823.9	807.7
70°	423.2	426.5	445.9	484.6	533.1	597.7	649.4	688.2	743.1	756.0	736.6
72.5°	394.2	397.4	416.8	452.3	497.5	555.7	600.9	639.7	684.9	688.2	672.0
75°	365.1	368.3	384.5	416.8	455.5	513.7	555.7	588.0	626.8	626.8	607.4
77.5°	332.8	339.2	352.2	381.2	416.8	471.7	510.5	542.8	575.1	571.9	552.5
80°	303.7	306.9	319.9	345.7	378.0	429.7	468.5	494.3	523.4	520.2	504.0
82.5°	271.4	274.6	284.3	310.2	339.2	387.7	426.5	452.3	478.2	471.7	455.5
85°	239.1	242.3	255.2	274.6	303.7	348.9	384.5	410.3	429.7	423.2	410.3
87.5°	213.2	213.2	222.9	242.3	268.2	310.2	342.5	368.3	384.5	381.2	368.3
90°	184.2	187.4	193.9	210.0	232.6	268.2	300.5	323.1	339.2	332.8	319.9
92.5°	161.5	161.5	168.0	184.2	203.5	235.9	264.9	284.3	297.2	294.0	284.3
95°	138.9	142.2	145.4	158.3	174.5	200.3	226.2	245.5	258.5	255.2	248.8
97.5°	122.8	126.0	129.2	135.7	151.8	168.0	190.6	206.8	219.7	216.5	210.0
100°	113.1	113.1	113.1	119.5	129.2	142.2	158.3	171.2	177.7	180.9	174.5
102.5°	103.4	103.4	106.6	106.6	113.1	119.5	129.2	138.9	142.2	142.2	142.2
105°	100.2	100.2	103.4	103.4	106.6	109.8	116.3	119.5	122.8	122.8	119.5
107.5°	100.2	100.2	100.2	100.2	103.4	106.6	109.8	113.1	113.1	113.1	109.8
110°	103.4	103.4	103.4	103.4	103.4	106.6	106.6	109.8	109.8	106.6	106.6

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CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	106.6	106.6	106.6	106.6	106.6	109.8	109.8	109.8	109.8	106.6	106.6
115°	113.1	113.1	113.1	116.3	116.3	116.3	116.3	116.3	116.3	113.1	109.8
117.5°	126.0	126.0	126.0	126.0	129.2	129.2	129.2	129.2	129.2	122.8	122.8
120°	142.2	138.9	142.2	145.4	148.6	148.6	148.6	148.6	148.6	142.2	138.9
122.5°	158.3	158.3	161.5	168.0	174.5	177.7	174.5	174.5	174.5	164.8	161.5
125°	177.7	177.7	187.4	200.3	210.0	213.2	210.0	210.0	210.0	200.3	193.9
127.5°	200.3	200.3	213.2	232.6	248.8	258.5	255.2	255.2	255.2	239.1	229.4
130°	222.9	222.9	242.3	268.2	294.0	300.5	303.7	306.9	306.9	287.5	274.6
132.5°	239.1	242.3	264.9	300.5	332.8	342.5	352.2	355.4	355.4	332.8	313.4
135°	255.2	258.5	287.5	329.5	365.1	387.7	397.4	400.6	403.9	378.0	355.4
137.5°	264.9	268.2	300.5	348.9	384.5	413.5	436.2	442.6	442.6	413.5	384.5
140°	264.9	268.2	303.7	348.9	387.7	423.2	449.1	462.0	462.0	432.9	407.1
142.5°	258.5	264.9	297.2	342.5	381.2	416.8	445.9	458.8	458.8	432.9	407.1
145°	245.5	248.8	281.1	319.9	358.6	400.6	432.9	445.9	445.9	420.0	394.2
147.5°	222.9	226.2	252.0	287.5	326.3	368.3	400.6	416.8	413.5	390.9	368.3
150°	193.9	193.9	216.5	245.5	284.3	323.1	355.4	371.5	371.5	348.9	329.5
152.5°	158.3	158.3	174.5	197.1	229.4	268.2	294.0	310.2	310.2	294.0	277.9
155°	122.8	122.8	135.7	151.8	177.7	206.8	226.2	242.3	242.3	229.4	216.5
157.5°	87.2	87.2	100.2	113.1	132.5	155.1	171.2	180.9	184.2	171.2	164.8
160°	58.2	58.2	64.6	74.3	90.5	106.6	116.3	126.0	129.2	119.5	116.3
162.5°	32.3	32.3	35.5	45.2	54.9	64.6	74.3	80.8	80.8	77.5	74.3
165°	9.7	9.7	12.9	16.2	22.6	29.1	32.3	35.5	38.8	38.8	35.5
167.5°	0.0	0.0	3.2	3.2	3.2	3.2	6.5	6.5	9.7	9.7	9.7
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°	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7	6377.7
2.5°	5860.7	6041.7	6238.7	6429.4	6662.0	6904.3	7127.2	7279.1	7359.8	7385.7	7385.7
5°	5463.3	5628.1	5773.5	5954.4	6235.5	6600.6	7004.5	7340.5	7531.1	7553.7	7556.9
7.5°	4843.0	4978.7	5130.6	5292.1	5540.9	5867.2	6400.3	6943.1	7253.2	7311.4	7288.8
10°	4335.8	4419.8	4510.2	4571.6	4746.1	4988.4	5350.3	5883.4	6264.6	6309.8	6342.1
12.5°	4099.9	4112.9	4087.0	4099.9	4158.1	4271.2	4448.9	4755.8	5004.6	5046.6	5069.2
15°	3980.4	3915.8	3812.4	3715.5	3663.8	3673.5	3712.2	3838.2	3880.2	3951.3	3919.0
17.5°	3925.5	3780.1	3618.5	3431.1	3314.8	3195.3	3130.7	3108.1	3091.9	3095.1	3124.2
20°	3786.5	3621.8	3363.3	3117.8	2930.4	2765.6	2626.7	2526.5	2471.6	2445.7	2465.1
22.5°	3641.2	3385.9	3082.2	2817.3	2549.1	2339.1	2180.8	2035.4	1954.7	1977.3	1951.4
25°	3644.4	3263.1	2901.3	2552.4	2300.4	2022.5	1770.5	1618.6	1486.2	1512.0	1547.6
27.5°	2297.1	2197.0	1938.5	1735.0	1483.0	1344.0	1218.0	1111.4	1037.1	1040.3	1030.6
30°	1948.2	1844.8	1715.6	1554.0	1363.4	1201.9	1056.5	933.7	862.6	843.2	840.0
32.5°	1799.6	1712.3	1592.8	1434.5	1260.0	1098.5	953.1	840.0	768.9	765.7	765.7
35°	1602.5	1521.7	1421.6	1285.9	1137.3	988.6	852.9	756.0	697.9	697.9	694.6
37.5°	1479.7	1408.6	1311.7	1185.7	1053.3	904.6	785.1	697.9	636.5	633.2	636.5
40°	1415.1	1340.8	1247.1	1127.6	995.1	852.9	739.9	649.4	604.2	600.9	597.7
42.5°	1285.9	1227.7	1146.9	1037.1	920.8	794.8	688.2	607.4	568.6	565.4	568.6
45°	1092.0	1050.0	995.1	914.3	817.4	710.8	617.1	555.7	516.9	516.9	516.9
47.5°	1001.6	962.8	901.4	820.6	736.6	636.5	558.9	507.2	471.7	471.7	471.7
50°	978.9	930.5	849.7	759.2	668.8	581.6	510.5	458.8	432.9	429.7	432.9
52.5°	1011.3	936.9	827.1	720.5	620.3	536.3	468.5	420.0	394.2	394.2	394.2
55°	1127.6	991.9	846.5	710.8	591.2	497.5	429.7	381.2	355.4	352.2	355.4
57.5°	1205.1	1033.9	852.9	701.1	571.9	471.7	397.4	345.7	319.9	316.6	319.9
60°	1137.3	998.3	823.9	675.2	555.7	452.3	374.8	323.1	297.2	294.0	294.0
62.5°	943.4	862.6	736.6	610.6	513.7	423.2	352.2	303.7	277.9	274.6	277.9
65°	836.8	765.7	655.9	555.7	471.7	394.2	332.8	290.8	264.9	264.9	264.9
67.5°	778.6	714.0	610.6	513.7	436.2	365.1	306.9	268.2	245.5	245.5	245.5
70°	710.8	646.2	552.5	465.2	394.2	332.8	281.1	242.3	222.9	219.7	222.9
72.5°	652.6	588.0	500.8	420.0	355.4	300.5	255.2	219.7	203.5	200.3	203.5
75°	588.0	526.6	442.6	371.5	316.6	268.2	229.4	197.1	184.2	180.9	180.9
77.5°	533.1	474.9	397.4	332.8	284.3	239.1	203.5	180.9	168.0	164.8	164.8
80°	484.6	429.7	355.4	297.2	252.0	213.2	184.2	161.5	148.6	148.6	148.6
82.5°	432.9	384.5	316.6	261.7	222.9	190.6	161.5	142.2	132.5	132.5	132.5
85°	390.9	342.5	277.9	232.6	193.9	164.8	142.2	126.0	116.3	116.3	116.3
87.5°	345.7	303.7	245.5	203.5	171.2	145.4	122.8	106.6	103.4	100.2	100.2
90°	300.5	261.7	210.0	174.5	145.4	122.8	103.4	90.5	87.2	84.0	84.0
92.5°	268.2	232.6	190.6	158.3	132.5	109.8	96.9	84.0	80.8	80.8	77.5
95°	232.6	203.5	168.0	142.2	119.5	103.4	90.5	80.8	77.5	77.5	74.3
97.5°	200.3	174.5	148.6	129.2	109.8	96.9	84.0	77.5	71.1	71.1	71.1
100°	168.0	148.6	129.2	109.8	100.2	87.2	77.5	71.1	67.8	64.6	64.6
102.5°	135.7	122.8	106.6	96.9	84.0	74.3	67.8	61.4	58.2	58.2	58.2
105°	116.3	106.6	96.9	87.2	77.5	67.8	61.4	54.9	51.7	51.7	51.7
107.5°	106.6	100.2	90.5	80.8	74.3	64.6	58.2	48.5	45.2	48.5	48.5
110°	103.4	96.9	87.2	80.8	71.1	64.6	58.2	45.2	42.0	45.2	45.2

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CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	103.4	96.9	90.5	80.8	74.3	64.6	58.2	45.2	42.0	42.0	42.0
115°	106.6	103.4	93.7	87.2	77.5	67.8	58.2	45.2	42.0	42.0	42.0
117.5°	119.5	113.1	103.4	93.7	84.0	71.1	61.4	45.2	42.0	42.0	42.0
120°	132.5	126.0	116.3	103.4	90.5	77.5	64.6	45.2	38.8	42.0	42.0
122.5°	155.1	145.4	132.5	116.3	100.2	84.0	64.6	48.5	35.5	42.0	42.0
125°	184.2	171.2	151.8	129.2	109.8	90.5	67.8	48.5	38.8	42.0	42.0
127.5°	216.5	200.3	174.5	145.4	119.5	93.7	71.1	48.5	38.8	38.8	42.0
130°	258.5	232.6	197.1	161.5	129.2	100.2	71.1	48.5	38.8	38.8	38.8
132.5°	294.0	261.7	216.5	174.5	135.7	103.4	71.1	48.5	35.5	35.5	35.5
135°	329.5	287.5	232.6	184.2	142.2	103.4	71.1	45.2	35.5	35.5	35.5
137.5°	358.6	303.7	245.5	187.4	142.2	100.2	67.8	42.0	32.3	32.3	32.3
140°	374.8	313.4	248.8	187.4	135.7	96.9	61.4	38.8	29.1	29.1	29.1
142.5°	374.8	310.2	245.5	180.9	129.2	90.5	54.9	32.3	25.8	25.8	25.8
145°	361.9	297.2	232.6	171.2	119.5	80.8	48.5	29.1	19.4	19.4	22.6
147.5°	339.2	274.6	213.2	155.1	106.6	67.8	42.0	22.6	16.2	16.2	16.2
150°	300.5	242.3	184.2	135.7	90.5	58.2	35.5	19.4	12.9	12.9	12.9
152.5°	252.0	200.3	155.1	113.1	74.3	45.2	25.8	16.2	9.7	9.7	9.7
155°	200.3	158.3	122.8	87.2	54.9	35.5	19.4	12.9	9.7	9.7	9.7
157.5°	148.6	119.5	90.5	64.6	42.0	25.8	16.2	9.7	6.5	6.5	6.5
160°	103.4	84.0	61.4	42.0	25.8	16.2	9.7	6.5	3.2	3.2	3.2
162.5°	67.8	51.7	38.8	25.8	16.2	9.7	6.5	3.2	3.2	3.2	3.2
165°	32.3	25.8	19.4	12.9	6.5	6.5	3.2	3.2	0.0	0.0	0.0
167.5°	9.7	6.5	3.2	3.2	3.2	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)