

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: P691881

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691881
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-C01H-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: 7400 lumens
Efficiency: N/A
Efficacy: 105.4 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



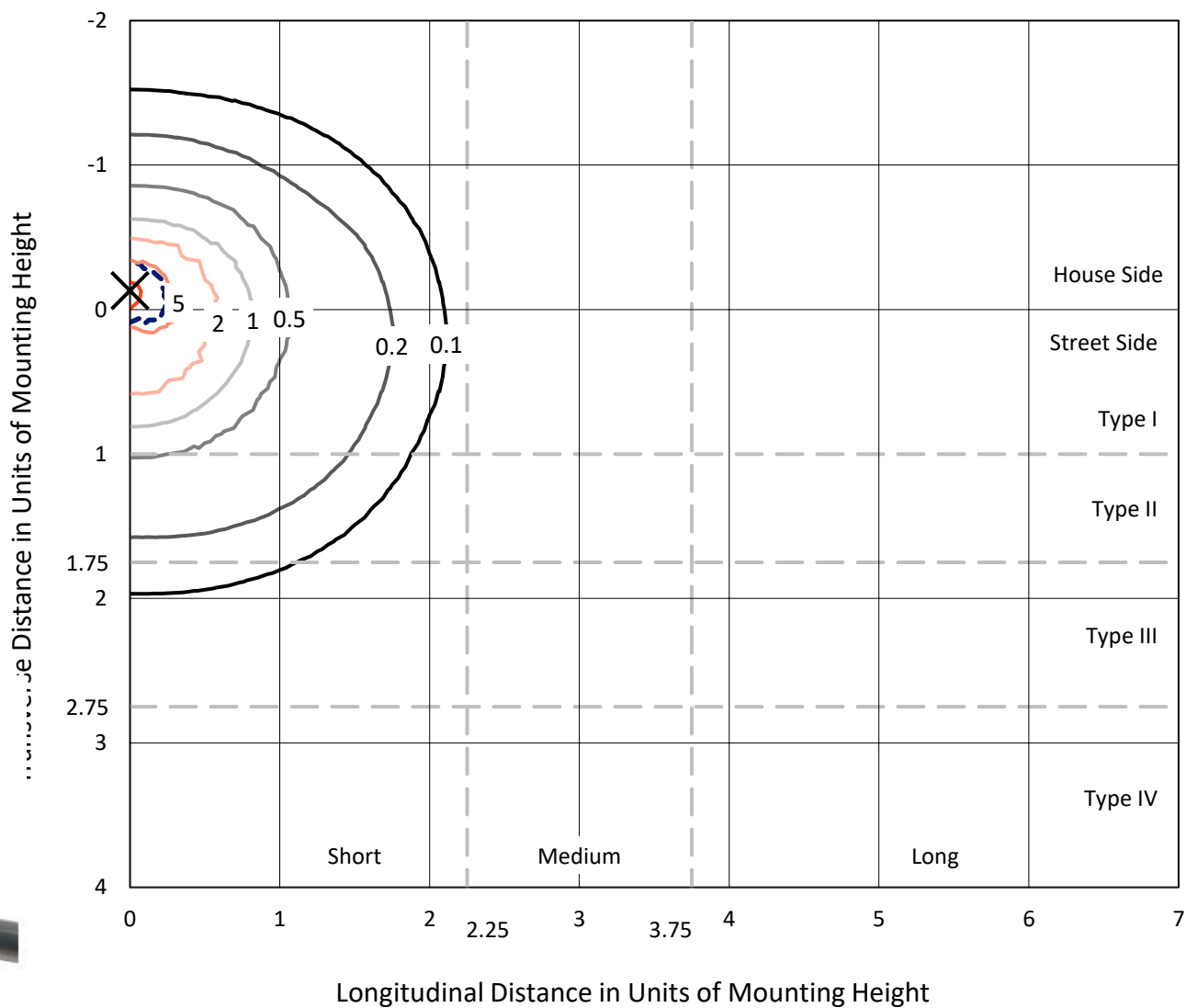
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

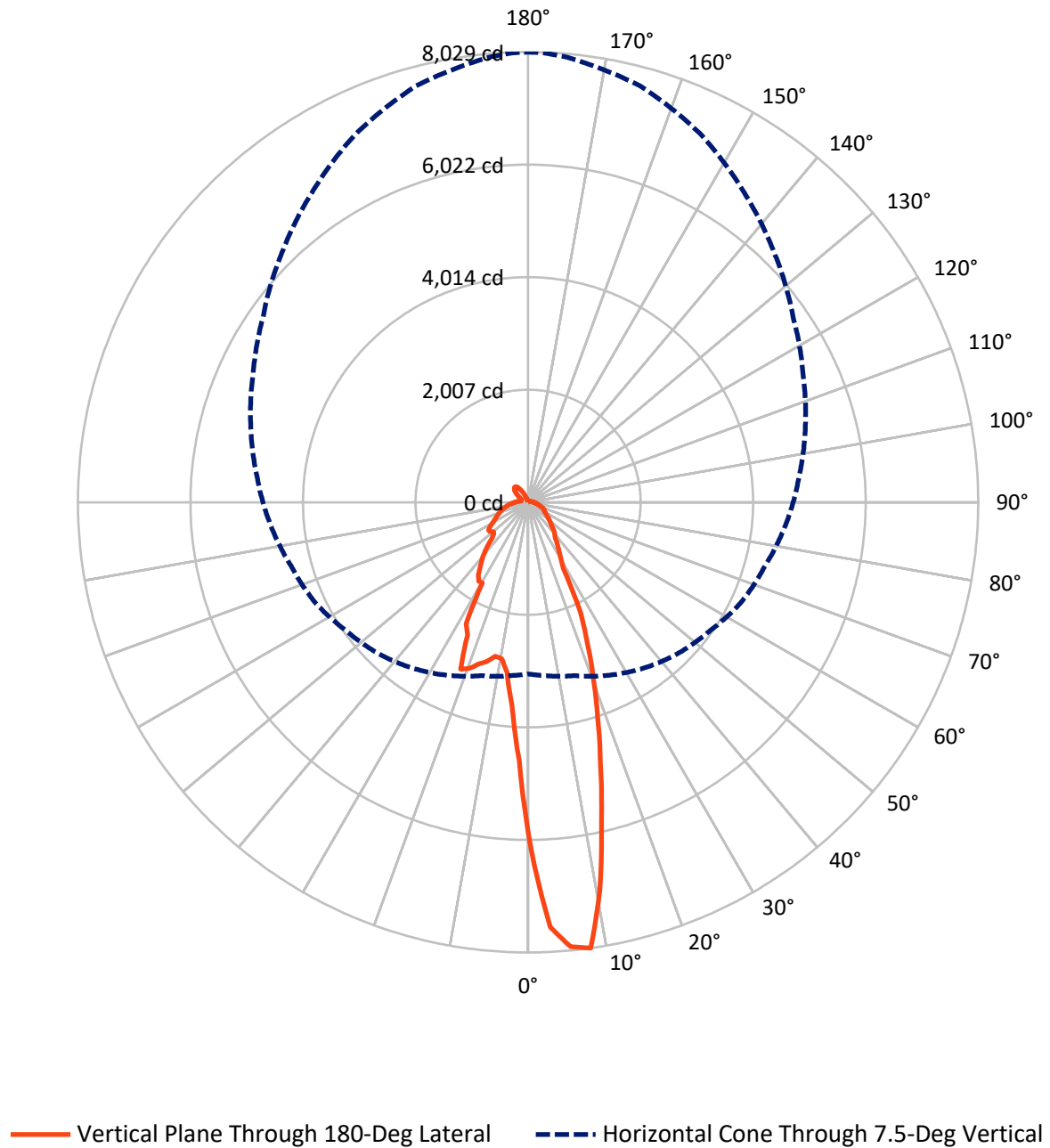


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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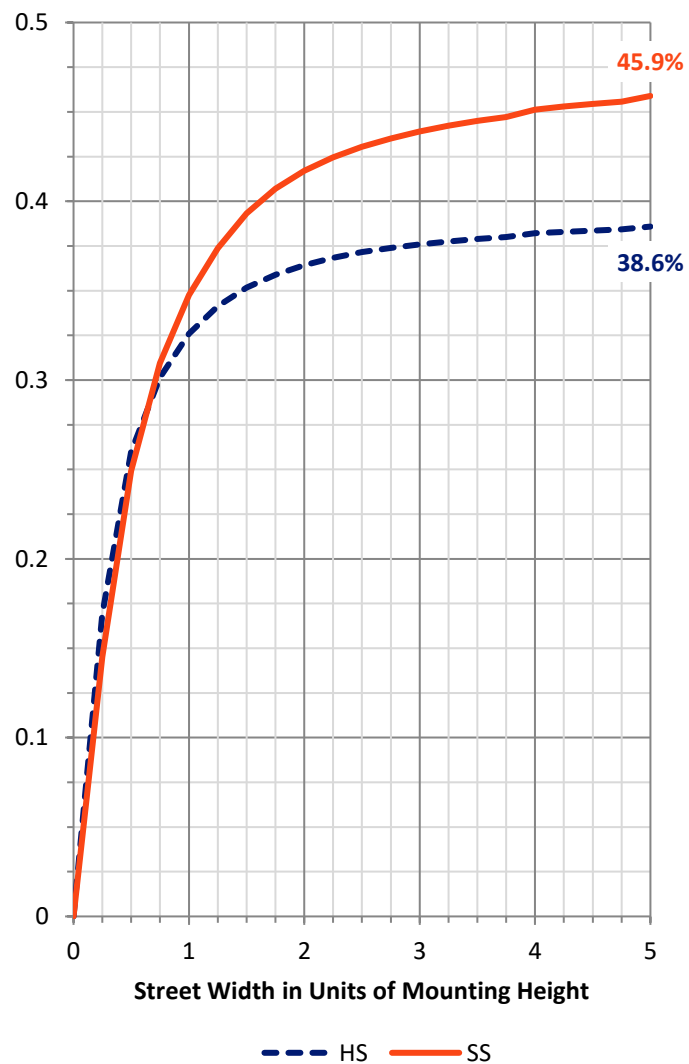
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2929.8	305.5	3235.3
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3493.7	671.0	4164.7
	% Fixture	47.2	9.1	56.3
Total	Lumens	6423.5	976.5	7400.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.8	6.7
10°-20°	1060.6	14.3
20°-30°	1171.2	15.8
30°-40°	849.4	11.5
40°-50°	715.7	9.7
50°-60°	730.6	9.9
60°-70°	622.7	8.4
70°-80°	464.2	6.3
80°-90°	313.3	4.2
90°-100°	187.3	2.5
100°-110°	107.7	1.5
110°-120°	100.7	1.4
120°-130°	146.7	2.0
130°-140°	199.3	2.7
140°-150°	162.2	2.2
150°-160°	64.7	0.9
160°-170°	7.9	0.1
170°-180°	0.0	0.0
0°-90°	6423.5	86.8
0°-180°	7400.0	100.0

Coefficient of Utilization



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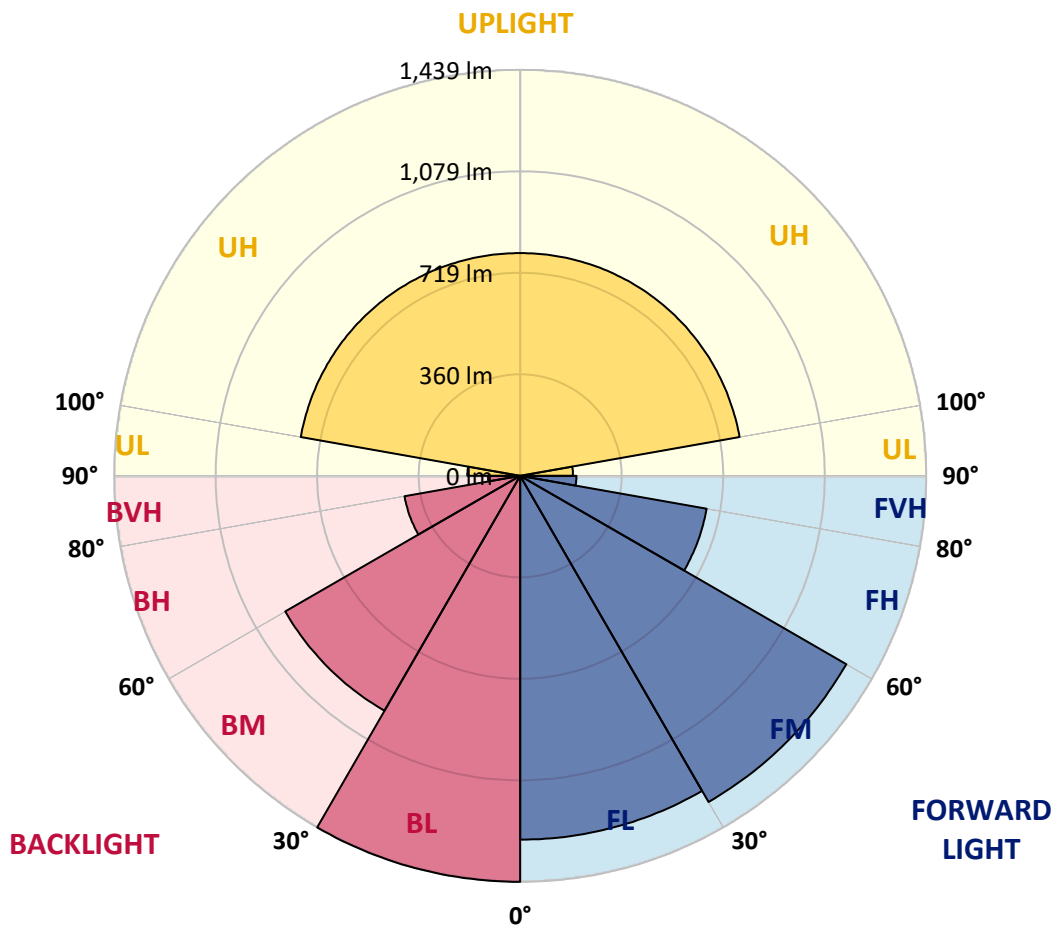
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1289.1	17.4			
FM	(30°-60°)	1334.5	18.0			
FH	(60°-80°)	670.8	9.1			G1/1800
FVH	(80°-90°)	199.3	2.7			G2/225
BL	(0°-30°)	1438.5	19.4	B3/2500		
BM	(30°-60°)	961.2	13.0	B1/1000		
BH	(60°-80°)	416.1	5.6	B1/500		G1/500
BVH	(80°-90°)	114.0	1.5			G2/225
UL	(90°-100°)	187.3	2.5		U3/500	
UH	(100°-180°)	789.2	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°	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8
2.5°	4592.4	4699.0	4708.7	4825.0	4912.1	4992.9	5051.0	5219.0	5390.1	5551.6	5645.3
5°	3646.2	3697.8	3791.5	3917.4	4078.9	4204.9	4385.7	4621.5	4847.6	5131.8	5270.6
7.5°	3061.6	3100.4	3200.5	3403.9	3607.4	3801.2	3975.6	4201.6	4376.0	4611.8	4728.1
10°	2829.1	2851.7	2935.7	3077.8	3271.5	3433.0	3584.8	3756.0	3911.0	4127.4	4211.3
12.5°	2806.5	2816.2	2884.0	2984.1	3097.1	3229.6	3355.5	3500.8	3665.5	3836.7	3901.3
15°	2929.2	2922.7	2945.4	3003.5	3068.1	3171.4	3287.7	3420.1	3578.3	3704.3	3756.0
17.5°	3016.4	3013.2	3055.2	3081.0	3142.4	3203.7	3320.0	3423.3	3578.3	3678.5	3707.5
20°	3142.4	3148.8	3161.7	3210.2	3236.0	3278.0	3349.0	3410.4	3542.8	3601.0	3594.5
22.5°	3210.2	3206.9	3261.8	3374.9	3403.9	3426.6	3439.5	3465.3	3539.6	3536.4	3487.9
25°	2603.0	2609.5	2622.4	2719.3	2842.0	3042.2	3206.9	3465.3	3604.2	3552.5	3449.2
27.5°	2431.9	2412.5	2344.7	2289.8	2125.0	2015.2	1911.9	1866.7	1889.3	1928.0	2034.6
30°	1656.8	1660.0	1666.4	1676.1	1692.3	1734.3	1763.3	1766.6	1789.2	1853.8	1831.2
32.5°	1660.0	1663.2	1653.5	1663.2	1656.8	1672.9	1669.7	1656.8	1676.1	1734.3	1711.7
35°	1559.9	1553.4	1559.9	1563.1	1527.6	1514.7	1511.4	1501.7	1514.7	1543.7	1524.3
37.5°	1404.9	1401.6	1430.7	1446.8	1417.8	1417.8	1411.3	1398.4	1408.1	1433.9	1408.1
40°	1269.2	1272.4	1314.4	1340.3	1330.6	1340.3	1350.0	1346.7	1369.3	1379.0	1346.7
42.5°	1120.7	1114.2	1156.2	1175.6	1156.2	1162.6	1159.4	1162.6	1207.9	1227.2	1204.6
45°	936.6	946.3	965.6	991.5	988.2	997.9	994.7	1001.2	1030.2	1039.9	1023.8
47.5°	833.2	839.7	862.3	891.4	907.5	923.7	923.7	926.9	946.3	949.5	933.3
50°	810.6	817.1	846.1	878.4	904.3	923.7	933.3	930.1	939.8	933.3	910.7
52.5°	849.4	849.4	894.6	933.3	965.6	1001.2	1014.1	1001.2	1001.2	975.3	939.8
55°	865.5	868.7	923.7	991.5	1052.8	1117.4	1159.4	1156.2	1153.0	1111.0	1046.4
57.5°	813.8	823.5	878.4	955.9	1039.9	1143.3	1204.6	1214.3	1214.3	1159.4	1088.4
60°	739.6	746.0	788.0	852.6	936.6	1014.1	1078.7	1085.1	1104.5	1075.4	1010.8
62.5°	678.2	684.7	720.2	768.6	830.0	878.4	897.8	897.8	907.5	897.8	852.6
65°	633.0	636.2	665.3	707.3	749.3	788.0	807.4	800.9	813.8	800.9	765.4
67.5°	591.0	591.0	616.8	649.1	687.9	733.1	746.0	752.5	765.4	749.3	717.0
70°	549.0	552.3	578.1	603.9	639.5	671.7	684.7	687.9	704.0	684.7	662.1
72.5°	513.5	513.5	536.1	561.9	587.8	620.1	629.8	636.2	645.9	626.5	607.2
75°	471.5	474.7	494.1	516.7	539.3	571.6	581.3	584.5	594.2	571.6	552.3
77.5°	432.8	436.0	452.1	471.5	494.1	520.0	529.6	536.1	539.3	520.0	500.6
80°	394.0	397.2	410.2	429.5	448.9	474.7	481.2	484.4	490.9	468.3	455.4
82.5°	358.5	358.5	368.2	384.3	403.7	426.3	436.0	439.2	442.4	423.1	410.2
85°	316.5	316.5	326.2	342.3	358.5	381.1	390.8	394.0	394.0	377.9	364.9
87.5°	281.0	281.0	287.4	300.3	313.3	335.9	345.6	352.0	348.8	335.9	323.0
90°	245.4	245.4	251.9	261.6	274.5	293.9	303.6	306.8	306.8	290.7	281.0
92.5°	213.2	213.2	219.6	229.3	239.0	255.1	264.8	271.3	271.3	258.4	248.7
95°	184.1	184.1	187.3	197.0	206.7	219.6	226.1	232.5	232.5	226.1	216.4
97.5°	158.2	158.2	161.5	167.9	174.4	184.1	190.5	197.0	197.0	193.8	187.3
100°	138.9	138.9	138.9	142.1	148.6	151.8	158.2	164.7	164.7	161.5	158.2
102.5°	126.0	126.0	126.0	126.0	126.0	129.2	129.2	132.4	132.4	132.4	129.2
105°	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	116.3	113.0	109.8
107.5°	119.5	116.3	116.3	116.3	116.3	113.0	113.0	113.0	109.8	106.6	103.3
110°	119.5	119.5	119.5	119.5	116.3	113.0	113.0	109.8	106.6	103.3	100.1

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CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	126.0	126.0	126.0	122.7	119.5	119.5	116.3	113.0	109.8	103.3	100.1
115°	135.6	135.6	135.6	135.6	132.4	126.0	122.7	119.5	113.0	109.8	106.6
117.5°	151.8	151.8	151.8	151.8	145.3	142.1	135.6	132.4	126.0	119.5	116.3
120°	171.2	171.2	174.4	174.4	171.2	164.7	155.0	151.8	145.3	135.6	129.2
122.5°	200.2	197.0	203.5	203.5	203.5	197.0	184.1	177.6	171.2	158.2	151.8
125°	229.3	229.3	235.8	242.2	245.4	235.8	222.8	213.2	203.5	187.3	177.6
127.5°	261.6	261.6	274.5	287.4	293.9	284.2	268.1	258.4	245.4	222.8	209.9
130°	293.9	293.9	313.3	332.6	342.3	335.9	319.7	306.8	290.7	261.6	245.4
132.5°	323.0	323.0	345.6	371.4	384.3	381.1	364.9	352.0	339.1	303.6	281.0
135°	345.6	348.8	377.9	406.9	423.1	426.3	410.2	394.0	377.9	339.1	313.3
137.5°	358.5	364.9	394.0	429.5	445.7	455.4	445.7	429.5	410.2	368.2	339.1
140°	361.7	364.9	397.2	432.8	448.9	461.8	461.8	442.4	426.3	384.3	352.0
142.5°	352.0	355.3	387.5	419.8	436.0	452.1	455.4	439.2	423.1	384.3	352.0
145°	329.4	335.9	364.9	390.8	413.4	429.5	436.0	426.3	406.9	371.4	342.3
147.5°	300.3	303.6	329.4	352.0	374.6	394.0	403.7	394.0	377.9	345.6	319.7
150°	255.1	258.4	277.7	297.1	323.0	342.3	355.3	348.8	335.9	310.0	284.2
152.5°	206.7	206.7	222.8	239.0	261.6	281.0	293.9	290.7	281.0	258.4	239.0
155°	158.2	158.2	167.9	180.9	200.2	213.2	226.1	226.1	219.6	203.5	187.3
157.5°	113.0	113.0	122.7	132.4	145.3	158.2	167.9	167.9	164.7	151.8	142.1
160°	74.3	74.3	80.7	87.2	100.1	106.6	116.3	116.3	113.0	106.6	100.1
162.5°	38.8	38.8	45.2	48.4	58.1	64.6	71.1	74.3	74.3	67.8	64.6
165°	12.9	12.9	12.9	16.1	22.6	29.1	32.3	35.5	35.5	32.3	32.3
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	6.5	9.7	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°	178°	180°
0°	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8	6187.8
2.5°	5745.4	6039.3	6291.2	6556.0	6849.9	7098.6	7350.5	7489.3	7608.8	7586.2	7586.2
5°	5406.3	5700.2	6007.0	6329.9	6727.2	7134.1	7521.6	7799.4	7944.7	7967.3	7964.1
7.5°	4844.3	5118.8	5409.5	5768.0	6233.0	6730.4	7256.8	7692.8	7967.3	8019.0	8028.7
10°	4288.8	4495.5	4741.0	4986.4	5403.0	5858.4	6329.9	6678.7	6946.8	6985.5	7030.7
12.5°	3956.2	4069.2	4227.5	4398.7	4669.9	5002.6	5390.1	5590.4	5761.5	5780.9	5822.9
15°	3785.0	3839.9	3878.7	3940.1	4101.5	4308.2	4485.8	4682.9	4753.9	4802.3	4825.0
17.5°	3717.2	3710.8	3672.0	3672.0	3684.9	3762.4	3875.5	3943.3	3988.5	4011.1	4017.6
20°	3578.3	3520.2	3442.7	3339.4	3284.5	3258.6	3287.7	3303.8	3290.9	3274.8	3303.8
22.5°	3433.0	3310.3	3171.4	3051.9	2909.8	2822.6	2738.7	2709.6	2674.1	2696.7	2696.7
25°	3387.8	3171.4	2948.6	2748.3	2535.2	2389.9	2234.9	2179.9	2125.0	2170.3	2170.3
27.5°	2002.3	2002.3	1876.4	1708.4	1524.3	1446.8	1385.5	1350.0	1327.3	1337.0	1337.0
30°	1792.4	1708.4	1630.9	1524.3	1382.2	1288.6	1207.9	1159.4	1136.8	1130.3	1136.8
32.5°	1663.2	1598.6	1505.0	1398.4	1272.4	1169.1	1078.7	1030.2	994.7	1001.2	1004.4
35°	1488.8	1421.0	1340.3	1240.1	1133.6	1036.7	955.9	907.5	875.2	875.2	878.4
37.5°	1379.0	1311.2	1233.7	1143.3	1039.9	946.3	872.0	813.8	784.8	781.6	781.6
40°	1311.2	1243.4	1172.3	1081.9	985.0	888.1	813.8	762.2	726.6	726.6	729.9
42.5°	1188.5	1123.9	1062.5	981.8	894.6	810.6	739.6	694.4	658.8	652.4	658.8
45°	1001.2	965.6	917.2	862.3	788.0	720.2	655.6	616.8	587.8	587.8	584.5
47.5°	917.2	881.7	830.0	775.1	713.7	645.9	594.2	558.7	532.9	532.9	532.9
50°	884.9	846.1	781.6	720.2	649.1	591.0	545.8	510.3	490.9	490.9	487.7
52.5°	901.0	839.7	755.7	668.5	600.7	542.6	497.4	461.8	445.7	445.7	442.4
55°	988.2	878.4	755.7	649.1	568.4	503.8	458.6	419.8	403.7	403.7	403.7
57.5°	1023.8	901.0	749.3	629.8	539.3	471.5	416.6	381.1	364.9	364.9	361.7
60°	959.2	855.8	717.0	603.9	516.7	448.9	397.2	361.7	342.3	342.3	339.1
62.5°	817.1	742.8	636.2	552.3	484.4	423.1	377.9	342.3	326.2	326.2	326.2
65°	733.1	668.5	584.5	510.3	448.9	397.2	355.3	326.2	310.0	310.0	310.0
67.5°	684.7	629.8	545.8	474.7	413.4	364.9	326.2	300.3	287.4	284.2	287.4
70°	633.0	574.9	497.4	429.5	374.6	329.4	293.9	268.1	255.1	255.1	255.1
72.5°	578.1	523.2	448.9	387.5	332.6	297.1	261.6	239.0	226.1	226.1	222.8
75°	526.4	471.5	400.5	342.3	297.1	261.6	232.5	213.2	200.2	200.2	200.2
77.5°	478.0	426.3	358.5	306.8	264.8	235.8	206.7	190.5	180.9	180.9	177.6
80°	432.8	384.3	319.7	274.5	235.8	209.9	184.1	171.2	161.5	161.5	161.5
82.5°	387.5	342.3	284.2	242.2	209.9	184.1	164.7	151.8	145.3	142.1	145.3
85°	345.6	303.6	251.9	213.2	184.1	161.5	145.3	132.4	126.0	126.0	126.0
87.5°	306.8	268.1	222.8	187.3	161.5	142.1	126.0	116.3	113.0	109.8	109.8
90°	264.8	229.3	190.5	161.5	138.9	122.7	106.6	100.1	93.7	93.7	93.7
92.5°	235.8	206.7	171.2	145.3	126.0	113.0	100.1	93.7	87.2	87.2	87.2
95°	206.7	180.9	151.8	132.4	116.3	103.3	93.7	87.2	84.0	84.0	84.0
97.5°	177.6	158.2	135.6	119.5	106.6	96.9	87.2	80.7	77.5	77.5	77.5
100°	148.6	135.6	119.5	106.6	96.9	87.2	77.5	74.3	71.1	71.1	71.1
102.5°	122.7	113.0	100.1	90.4	80.7	74.3	67.8	64.6	61.4	61.4	61.4
105°	106.6	100.1	90.4	80.7	74.3	67.8	61.4	54.9	54.9	54.9	54.9
107.5°	100.1	90.4	84.0	77.5	71.1	61.4	58.1	51.7	48.4	48.4	48.4
110°	96.9	90.4	84.0	74.3	67.8	61.4	54.9	48.4	45.2	45.2	45.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	96.9	90.4	84.0	77.5	71.1	61.4	58.1	45.2	42.0	42.0	42.0
115°	103.3	96.9	87.2	80.7	71.1	64.6	58.1	45.2	42.0	42.0	42.0
117.5°	109.8	103.3	93.7	87.2	77.5	67.8	58.1	45.2	42.0	42.0	42.0
120°	126.0	116.3	103.3	93.7	84.0	71.1	61.4	45.2	38.8	42.0	42.0
122.5°	142.1	132.4	116.3	103.3	90.4	77.5	61.4	45.2	38.8	42.0	42.0
125°	167.9	151.8	132.4	116.3	96.9	80.7	64.6	45.2	35.5	38.8	42.0
127.5°	197.0	177.6	151.8	129.2	106.6	84.0	64.6	45.2	35.5	38.8	38.8
130°	229.3	203.5	171.2	138.9	113.0	87.2	64.6	45.2	35.5	38.8	38.8
132.5°	261.6	226.1	187.3	151.8	119.5	90.4	64.6	42.0	35.5	35.5	35.5
135°	287.4	245.4	200.2	158.2	122.7	90.4	61.4	42.0	32.3	32.3	32.3
137.5°	310.0	261.6	209.9	161.5	122.7	87.2	58.1	38.8	29.1	29.1	29.1
140°	323.0	268.1	213.2	158.2	116.3	84.0	54.9	35.5	25.8	25.8	25.8
142.5°	323.0	264.8	206.7	155.0	109.8	77.5	48.4	29.1	22.6	22.6	22.6
145°	310.0	251.9	197.0	145.3	100.1	67.8	42.0	25.8	19.4	19.4	19.4
147.5°	290.7	232.5	180.9	132.4	90.4	58.1	35.5	22.6	16.1	16.1	16.1
150°	258.4	206.7	158.2	113.0	77.5	48.4	29.1	19.4	12.9	12.9	12.9
152.5°	216.4	171.2	132.4	93.7	64.6	38.8	25.8	12.9	9.7	9.7	9.7
155°	171.2	135.6	103.3	74.3	48.4	29.1	19.4	12.9	6.5	6.5	6.5
157.5°	129.2	100.1	77.5	54.9	35.5	22.6	12.9	9.7	6.5	6.5	6.5
160°	90.4	71.1	51.7	35.5	22.6	16.1	9.7	6.5	3.2	3.2	3.2
162.5°	58.1	45.2	32.3	22.6	12.9	9.7	6.5	3.2	3.2	3.2	0.0
165°	29.1	22.6	16.1	9.7	6.5	3.2	3.2	3.2	0.0	0.0	0.0
167.5°	6.5	6.5	6.5	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)