

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: P691841

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691841
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-T2-7030-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: 7047 lumens
Efficiency: N/A
Efficacy: 100.4 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



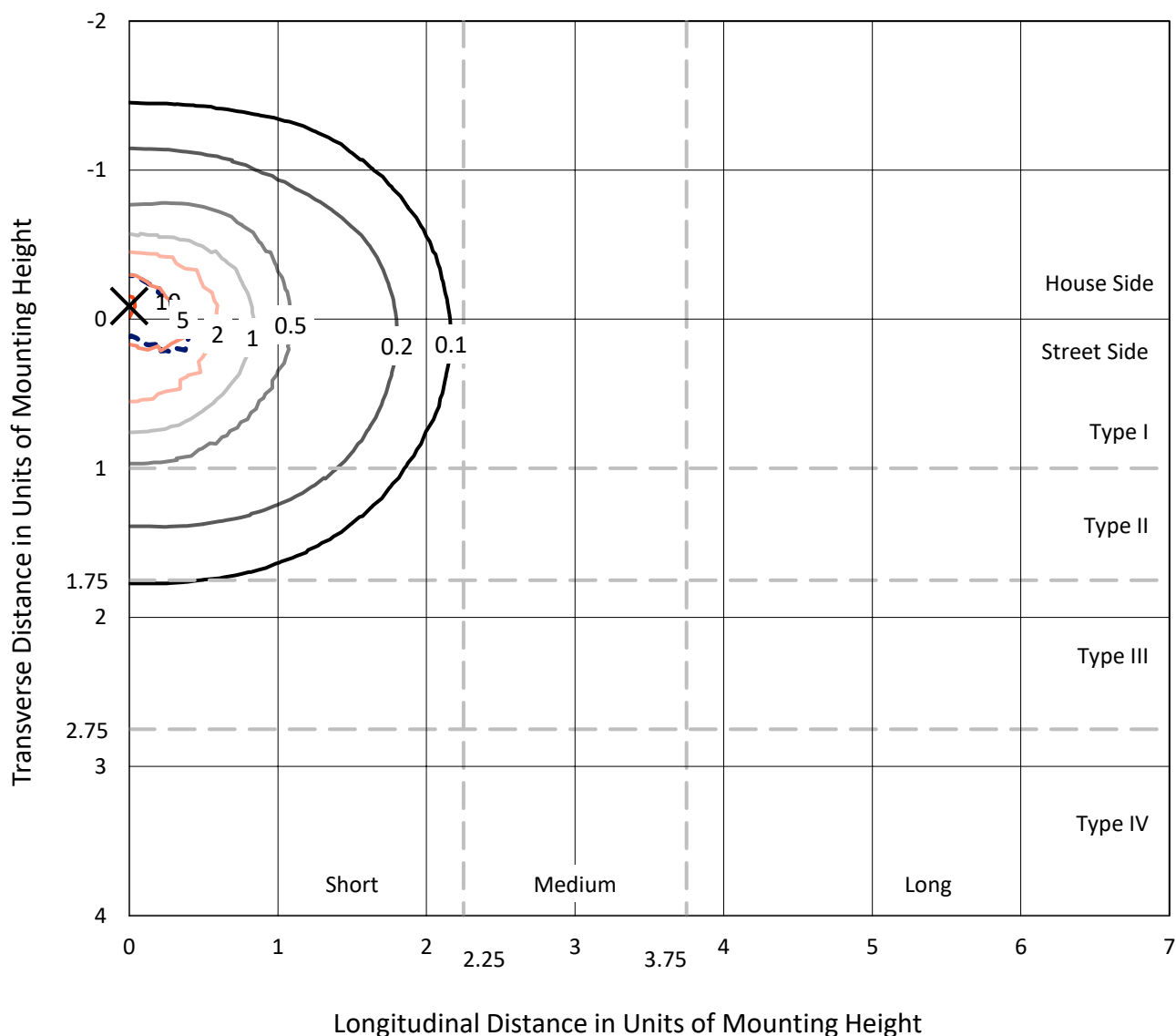
REPORT NUMBER: P691841

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

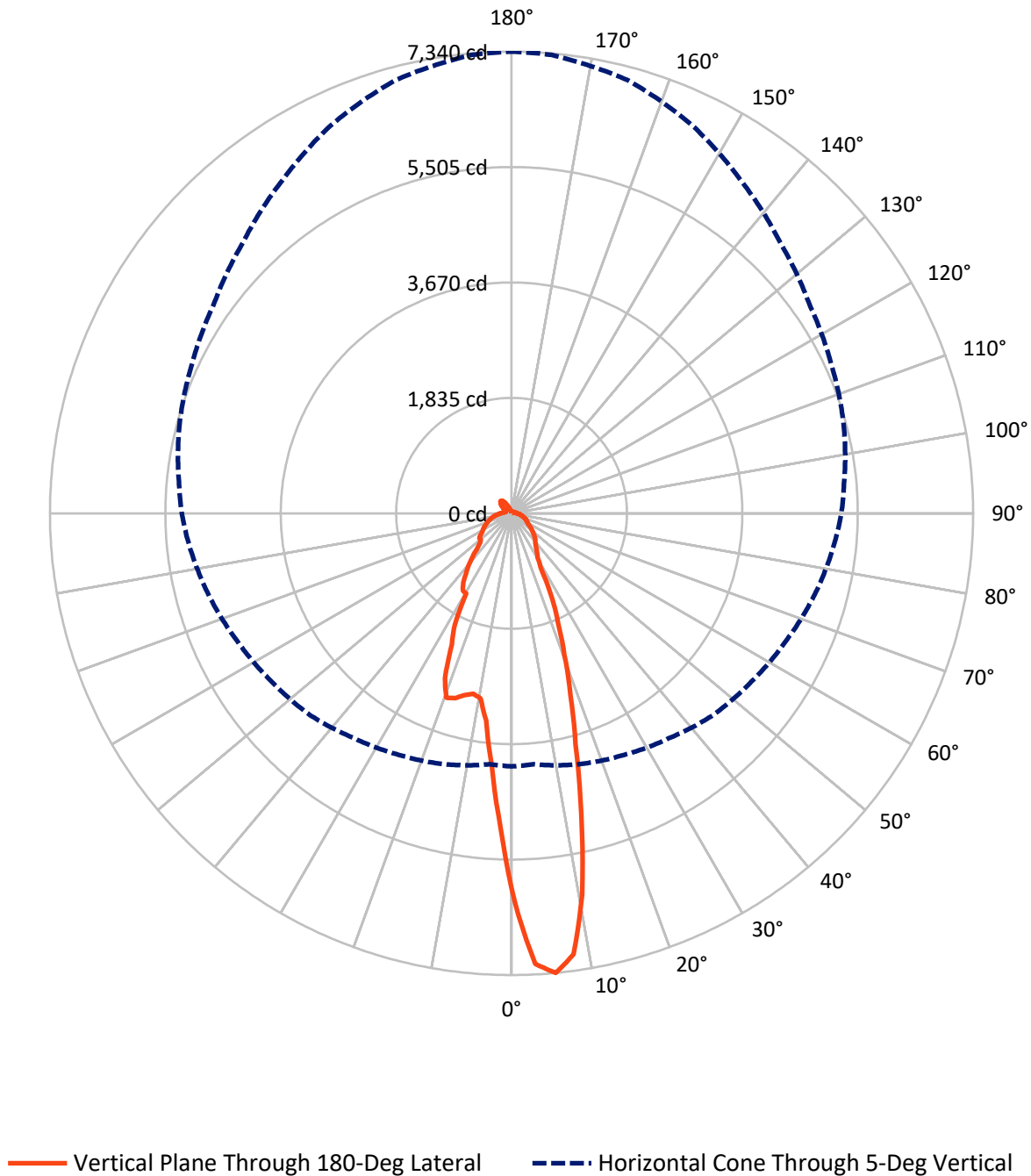


Based on 25 foot mounting height. Maximum calculated value = 11.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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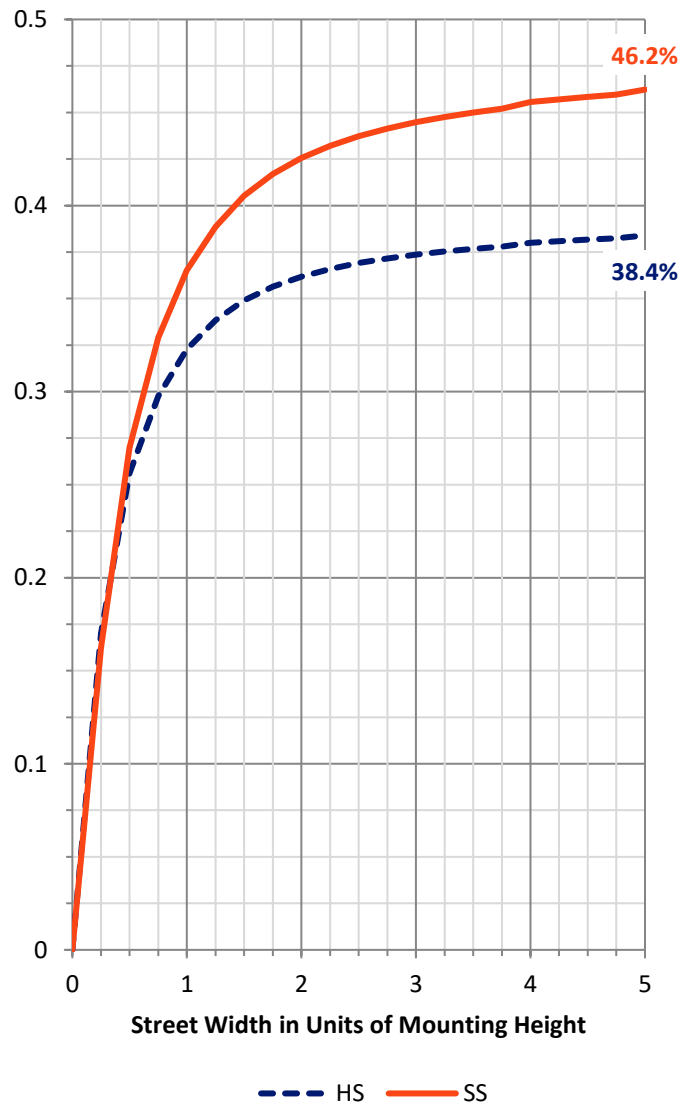
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2777.1	326.1	3103.2
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3337.7	606.1	3943.8
	% Fixture	47.4	8.6	56.0
Total	Lumens	6114.8	932.2	7047.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.5	6.8
10°-20°	1017.5	14.4
20°-30°	1107.4	15.7
30°-40°	810.6	11.5
40°-50°	681.5	9.7
50°-60°	692.1	9.8
60°-70°	588.3	8.3
70°-80°	439.0	6.2
80°-90°	298.8	4.2
90°-100°	179.5	2.5
100°-110°	102.9	1.5
110°-120°	94.7	1.3
120°-130°	137.6	2.0
130°-140°	189.2	2.7
140°-150°	156.6	2.2
150°-160°	63.7	0.9
160°-170°	7.9	0.1
170°-180°	0.0	0.0
0°-90°	6114.8	86.8
0°-180°	7047.0	100.0

Coefficient of Utilization



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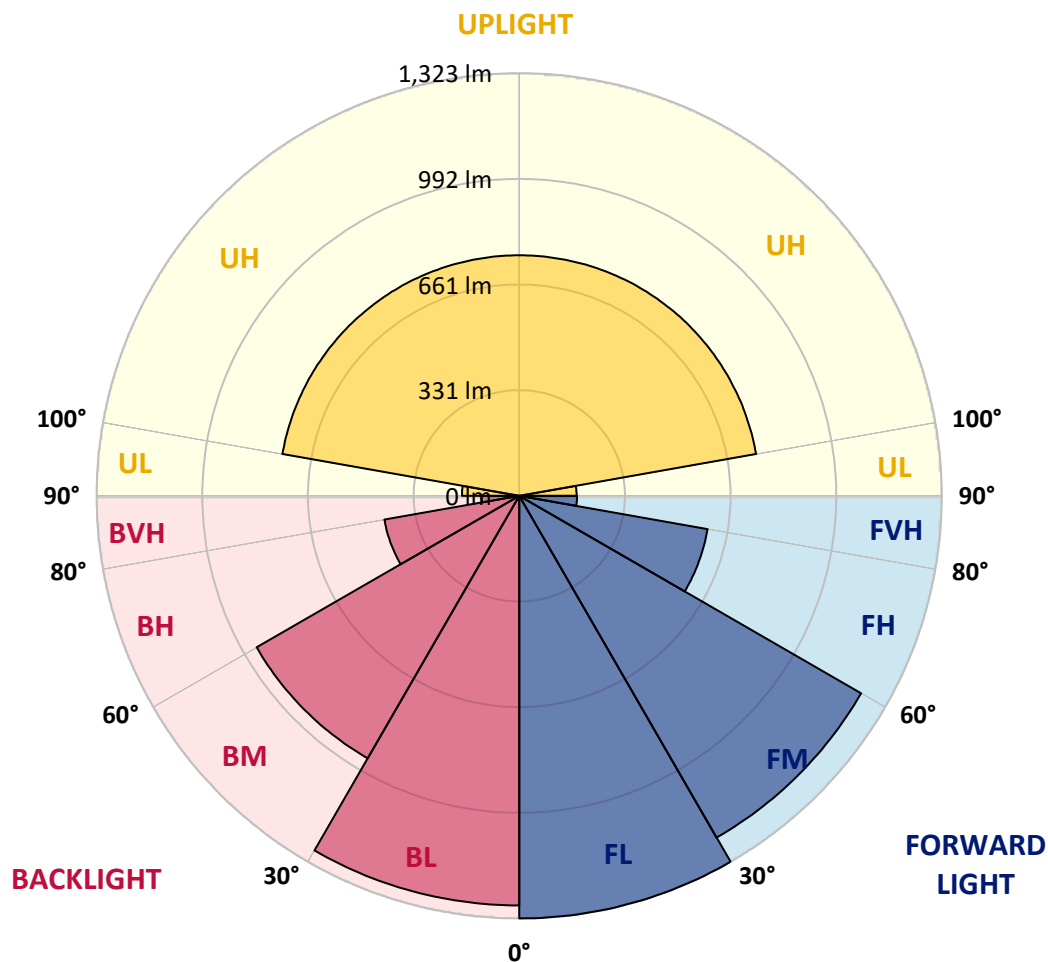
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1322.6	18.8			
FM	(30°-60°)	1235.4	17.5			
FH	(60°-80°)	598.7	8.5			G0/660
FVH	(80°-90°)	181.0	2.6			G2/225
BL	(0°-30°)	1281.8	18.2	B3/2500		
BM	(30°-60°)	948.8	13.5	B1/1000		
BH	(60°-80°)	428.7	6.1	B1/500		G1/500
BVH	(80°-90°)	117.8	1.7			G2/225
UL	(90°-100°)	179.5	2.5		U3/500	
UH	(100°-180°)	752.7	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°	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8
2.5°	4996.0	4986.6	5055.7	5071.3	5077.6	5149.8	5247.1	5313.0	5432.2	5548.4	5595.4
5°	4023.2	4004.4	4129.9	4236.6	4365.2	4534.7	4660.2	4810.9	4989.8	5162.4	5243.9
7.5°	3317.1	3342.2	3521.1	3740.7	3947.9	4148.7	4302.5	4431.2	4534.7	4644.5	4666.5
10°	2984.4	3006.4	3182.1	3392.4	3583.8	3787.8	3919.6	4029.5	4095.4	4177.0	4205.2
12.5°	2931.1	2946.8	3066.0	3213.5	3357.9	3543.0	3709.4	3831.8	3907.1	3973.0	3979.2
15°	2984.4	2990.7	3062.9	3160.2	3285.7	3439.5	3630.9	3769.0	3853.7	3882.0	3875.7
17.5°	3072.3	3072.3	3106.8	3188.4	3307.7	3455.2	3637.2	3778.4	3866.3	3878.8	3853.7
20°	3110.0	3116.2	3138.2	3229.2	3335.9	3470.9	3652.9	3772.1	3841.2	3806.6	3762.7
22.5°	2827.5	2815.0	2874.6	3066.0	3304.5	3546.2	3718.8	3853.7	3891.4	3775.3	3681.1
25°	2287.8	2294.0	2331.7	2425.8	2611.0	2833.8	3216.7	3627.8	3913.3	3869.4	3728.2
27.5°	1995.9	1977.1	1986.5	2002.2	1977.1	1930.0	1973.9	1964.5	1958.2	2071.2	2083.8
30°	1465.5	1468.7	1484.4	1512.6	1572.2	1660.1	1754.3	1807.6	1854.7	1942.6	1930.0
32.5°	1456.1	1459.3	1468.7	1493.8	1525.2	1584.8	1644.4	1666.4	1716.6	1788.8	1766.8
35°	1362.0	1352.6	1377.7	1399.6	1409.1	1434.2	1481.2	1512.6	1544.0	1594.2	1581.7
37.5°	1208.2	1211.3	1261.6	1296.1	1305.5	1340.0	1384.0	1409.1	1443.6	1487.5	1465.5
40°	1076.4	1079.5	1139.2	1176.8	1198.8	1245.9	1311.8	1343.2	1399.6	1434.2	1409.1
42.5°	925.8	938.3	979.1	1023.1	1035.6	1063.9	1107.8	1148.6	1220.8	1267.8	1252.1
45°	772.0	778.3	806.5	850.5	869.3	900.7	941.5	979.1	1035.6	1073.3	1070.1
47.5°	681.0	687.3	712.4	750.0	787.7	828.5	872.4	910.1	963.4	994.8	982.3
50°	643.3	649.6	681.0	724.9	772.0	825.3	878.7	919.5	969.7	988.5	972.8
52.5°	649.6	649.6	693.5	750.0	815.9	888.1	954.0	1004.2	1045.0	1057.6	1023.1
55°	615.1	624.5	671.6	750.0	850.5	963.4	1076.4	1183.1	1242.7	1230.2	1164.3
57.5°	561.7	571.2	605.7	690.4	797.1	932.0	1092.1	1223.9	1296.1	1305.5	1239.6
60°	530.4	536.6	568.0	633.9	728.1	837.9	982.3	1089.0	1170.6	1195.7	1148.6
62.5°	502.1	508.4	533.5	583.7	652.7	737.5	819.1	888.1	954.0	979.1	960.3
65°	470.7	473.9	499.0	542.9	599.4	671.6	740.6	790.8	844.2	859.9	837.9
67.5°	439.3	442.5	464.5	505.3	558.6	624.5	677.9	734.3	787.7	800.2	784.6
70°	411.1	414.2	433.1	470.7	517.8	580.6	630.8	668.4	721.8	734.3	715.5
72.5°	382.9	386.0	404.8	439.3	483.3	539.8	583.7	621.4	665.3	668.4	652.7
75°	354.6	357.8	373.4	404.8	442.5	499.0	539.8	571.2	608.8	608.8	590.0
77.5°	323.2	329.5	342.1	370.3	404.8	458.2	495.8	527.2	558.6	555.5	536.6
80°	295.0	298.1	310.7	335.8	367.2	417.4	455.0	480.1	508.4	505.3	489.6
82.5°	263.6	266.7	276.2	301.3	329.5	376.6	414.2	439.3	464.5	458.2	442.5
85°	232.2	235.4	247.9	266.7	295.0	338.9	373.4	398.6	417.4	411.1	398.6
87.5°	207.1	207.1	216.5	235.4	260.5	301.3	332.7	357.8	373.4	370.3	357.8
90°	178.9	182.0	188.3	204.0	226.0	260.5	291.9	313.8	329.5	323.2	310.7
92.5°	156.9	156.9	163.2	178.9	197.7	229.1	257.3	276.2	288.7	285.6	276.2
95°	134.9	138.1	141.2	153.8	169.5	194.6	219.7	238.5	251.1	247.9	241.6
97.5°	119.3	122.4	125.5	131.8	147.5	163.2	185.2	200.8	213.4	210.3	204.0
100°	109.8	109.8	109.8	116.1	125.5	138.1	153.8	166.3	172.6	175.7	169.5
102.5°	100.4	100.4	103.6	103.6	109.8	116.1	125.5	134.9	138.1	138.1	138.1
105°	97.3	97.3	100.4	100.4	103.6	106.7	113.0	116.1	119.3	119.3	116.1
107.5°	97.3	97.3	97.3	97.3	100.4	103.6	106.7	109.8	109.8	109.8	106.7
110°	100.4	100.4	100.4	100.4	100.4	103.6	103.6	106.7	106.7	103.6	103.6



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CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	103.6	103.6	103.6	103.6	103.6	106.7	106.7	106.7	106.7	103.6	103.6
115°	109.8	109.8	109.8	113.0	113.0	113.0	113.0	113.0	113.0	109.8	106.7
117.5°	122.4	122.4	122.4	122.4	125.5	125.5	125.5	125.5	125.5	119.3	119.3
120°	138.1	134.9	138.1	141.2	144.4	144.4	144.4	144.4	144.4	138.1	134.9
122.5°	153.8	153.8	156.9	163.2	169.5	172.6	169.5	169.5	169.5	160.0	156.9
125°	172.6	172.6	182.0	194.6	204.0	207.1	204.0	204.0	204.0	194.6	188.3
127.5°	194.6	194.6	207.1	226.0	241.6	251.1	247.9	247.9	247.9	232.2	222.8
130°	216.5	216.5	235.4	260.5	285.6	291.9	295.0	298.1	298.1	279.3	266.7
132.5°	232.2	235.4	257.3	291.9	323.2	332.7	342.1	345.2	345.2	323.2	304.4
135°	247.9	251.1	279.3	320.1	354.6	376.6	386.0	389.1	392.3	367.2	345.2
137.5°	257.3	260.5	291.9	338.9	373.4	401.7	423.7	429.9	429.9	401.7	373.4
140°	257.3	260.5	295.0	338.9	376.6	411.1	436.2	448.8	448.8	420.5	395.4
142.5°	251.1	257.3	288.7	332.7	370.3	404.8	433.1	445.6	445.6	420.5	395.4
145°	238.5	241.6	273.0	310.7	348.3	389.1	420.5	433.1	433.1	408.0	382.9
147.5°	216.5	219.7	244.8	279.3	317.0	357.8	389.1	404.8	401.7	379.7	357.8
150°	188.3	188.3	210.3	238.5	276.2	313.8	345.2	360.9	360.9	338.9	320.1
152.5°	153.8	153.8	169.5	191.4	222.8	260.5	285.6	301.3	301.3	285.6	269.9
155°	119.3	119.3	131.8	147.5	172.6	200.8	219.7	235.4	235.4	222.8	210.3
157.5°	84.7	84.7	97.3	109.8	128.7	150.6	166.3	175.7	178.9	166.3	160.0
160°	56.5	56.5	62.8	72.2	87.9	103.6	113.0	122.4	125.5	116.1	113.0
162.5°	31.4	31.4	34.5	43.9	53.3	62.8	72.2	78.5	78.5	75.3	72.2
165°	9.4	9.4	12.6	15.7	22.0	28.2	31.4	34.5	37.7	37.7	34.5
167.5°	0.0	0.0	3.1	3.1	3.1	3.1	6.3	6.3	9.4	9.4	9.4
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°	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8	6194.8
2.5°	5692.7	5868.5	6059.9	6245.0	6471.0	6706.4	6922.9	7070.4	7148.8	7173.9	7173.9
5°	5306.7	5466.8	5608.0	5783.7	6056.7	6411.4	6803.6	7130.0	7315.2	7337.1	7340.3
7.5°	4704.2	4836.0	4983.5	5140.4	5382.0	5699.0	6216.8	6744.0	7045.3	7101.8	7079.8
10°	4211.5	4293.1	4380.9	4440.6	4610.0	4845.4	5196.9	5714.7	6085.0	6128.9	6160.3
12.5°	3982.4	3994.9	3969.8	3982.4	4038.9	4148.7	4321.3	4619.4	4861.1	4901.9	4923.9
15°	3866.3	3803.5	3703.1	3608.9	3558.7	3568.1	3605.8	3728.2	3769.0	3838.0	3806.6
17.5°	3812.9	3671.7	3514.8	3332.8	3219.8	3103.7	3040.9	3019.0	3003.3	3006.4	3034.6
20°	3678.0	3517.9	3266.9	3028.4	2846.4	2686.3	2551.4	2454.1	2400.7	2375.6	2394.5
22.5°	3536.8	3288.8	2993.9	2736.5	2476.0	2272.1	2118.3	1977.1	1898.6	1920.6	1895.5
25°	3539.9	3169.6	2818.1	2479.2	2234.4	1964.5	1719.7	1572.2	1443.6	1468.7	1503.2
27.5°	2231.3	2134.0	1882.9	1685.2	1440.4	1305.5	1183.1	1079.5	1007.4	1010.5	1001.1
30°	1892.3	1791.9	1666.4	1509.5	1324.3	1167.4	1026.2	906.9	837.9	819.1	815.9
32.5°	1748.0	1663.3	1547.1	1393.4	1223.9	1067.0	925.8	815.9	746.9	743.8	743.8
35°	1556.6	1478.1	1380.8	1249.0	1104.6	960.3	828.5	734.3	677.9	677.9	674.7
37.5°	1437.3	1368.3	1274.1	1151.7	1023.1	878.7	762.6	677.9	618.2	615.1	618.2
40°	1374.5	1302.4	1211.3	1095.2	966.6	828.5	718.6	630.8	586.8	583.7	580.6
42.5°	1249.0	1192.5	1114.1	1007.4	894.4	772.0	668.4	590.0	552.3	549.2	552.3
45°	1060.7	1019.9	966.6	888.1	794.0	690.4	599.4	539.8	502.1	502.1	502.1
47.5°	972.8	935.2	875.6	797.1	715.5	618.2	542.9	492.7	458.2	458.2	458.2
50°	950.9	903.8	825.3	737.5	649.6	564.9	495.8	445.6	420.5	417.4	420.5
52.5°	982.3	910.1	803.4	699.8	602.5	520.9	455.0	408.0	382.9	382.9	382.9
55°	1095.2	963.4	822.2	690.4	574.3	483.3	417.4	370.3	345.2	342.1	345.2
57.5°	1170.6	1004.2	828.5	681.0	555.5	458.2	386.0	335.8	310.7	307.5	310.7
60°	1104.6	969.7	800.2	655.9	539.8	439.3	364.0	313.8	288.7	285.6	285.6
62.5°	916.4	837.9	715.5	593.1	499.0	411.1	342.1	295.0	269.9	266.7	269.9
65°	812.8	743.8	637.1	539.8	458.2	382.9	323.2	282.4	257.3	257.3	257.3
67.5°	756.3	693.5	593.1	499.0	423.7	354.6	298.1	260.5	238.5	238.5	238.5
70°	690.4	627.6	536.6	451.9	382.9	323.2	273.0	235.4	216.5	213.4	216.5
72.5°	633.9	571.2	486.4	408.0	345.2	291.9	247.9	213.4	197.7	194.6	197.7
75°	571.2	511.5	429.9	360.9	307.5	260.5	222.8	191.4	178.9	175.7	175.7
77.5°	517.8	461.3	386.0	323.2	276.2	232.2	197.7	175.7	163.2	160.0	160.0
80°	470.7	417.4	345.2	288.7	244.8	207.1	178.9	156.9	144.4	144.4	144.4
82.5°	420.5	373.4	307.5	254.2	216.5	185.2	156.9	138.1	128.7	128.7	128.7
85°	379.7	332.7	269.9	226.0	188.3	160.0	138.1	122.4	113.0	113.0	113.0
87.5°	335.8	295.0	238.5	197.7	166.3	141.2	119.3	103.6	100.4	97.3	97.3
90°	291.9	254.2	204.0	169.5	141.2	119.3	100.4	87.9	84.7	81.6	81.6
92.5°	260.5	226.0	185.2	153.8	128.7	106.7	94.1	81.6	78.5	78.5	75.3
95°	226.0	197.7	163.2	138.1	116.1	100.4	87.9	78.5	75.3	75.3	72.2
97.5°	194.6	169.5	144.4	125.5	106.7	94.1	81.6	75.3	69.0	69.0	69.0
100°	163.2	144.4	125.5	106.7	97.3	84.7	75.3	69.0	65.9	62.8	62.8
102.5°	131.8	119.3	103.6	94.1	81.6	72.2	65.9	59.6	56.5	56.5	56.5
105°	113.0	103.6	94.1	84.7	75.3	65.9	59.6	53.3	50.2	50.2	50.2
107.5°	103.6	97.3	87.9	78.5	72.2	62.8	56.5	47.1	43.9	47.1	47.1
110°	100.4	94.1	84.7	78.5	69.0	62.8	56.5	43.9	40.8	43.9	43.9



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CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	100.4	94.1	87.9	78.5	72.2	62.8	56.5	43.9	40.8	40.8	40.8
115°	103.6	100.4	91.0	84.7	75.3	65.9	56.5	43.9	40.8	40.8	40.8
117.5°	116.1	109.8	100.4	91.0	81.6	69.0	59.6	43.9	40.8	40.8	40.8
120°	128.7	122.4	113.0	100.4	87.9	75.3	62.8	43.9	37.7	40.8	40.8
122.5°	150.6	141.2	128.7	113.0	97.3	81.6	62.8	47.1	34.5	40.8	40.8
125°	178.9	166.3	147.5	125.5	106.7	87.9	65.9	47.1	37.7	40.8	40.8
127.5°	210.3	194.6	169.5	141.2	116.1	91.0	69.0	47.1	37.7	37.7	40.8
130°	251.1	226.0	191.4	156.9	125.5	97.3	69.0	47.1	37.7	37.7	37.7
132.5°	285.6	254.2	210.3	169.5	131.8	100.4	69.0	47.1	34.5	34.5	34.5
135°	320.1	279.3	226.0	178.9	138.1	100.4	69.0	43.9	34.5	34.5	34.5
137.5°	348.3	295.0	238.5	182.0	138.1	97.3	65.9	40.8	31.4	31.4	31.4
140°	364.0	304.4	241.6	182.0	131.8	94.1	59.6	37.7	28.2	28.2	28.2
142.5°	364.0	301.3	238.5	175.7	125.5	87.9	53.3	31.4	25.1	25.1	25.1
145°	351.5	288.7	226.0	166.3	116.1	78.5	47.1	28.2	18.8	18.8	22.0
147.5°	329.5	266.7	207.1	150.6	103.6	65.9	40.8	22.0	15.7	15.7	15.7
150°	291.9	235.4	178.9	131.8	87.9	56.5	34.5	18.8	12.6	12.6	12.6
152.5°	244.8	194.6	150.6	109.8	72.2	43.9	25.1	15.7	9.4	9.4	9.4
155°	194.6	153.8	119.3	84.7	53.3	34.5	18.8	12.6	9.4	9.4	9.4
157.5°	144.4	116.1	87.9	62.8	40.8	25.1	15.7	9.4	6.3	6.3	6.3
160°	100.4	81.6	59.6	40.8	25.1	15.7	9.4	6.3	3.1	3.1	3.1
162.5°	65.9	50.2	37.7	25.1	15.7	9.4	6.3	3.1	3.1	3.1	3.1
165°	31.4	25.1	18.8	12.6	6.3	6.3	3.1	3.1	0.0	0.0	0.0
167.5°	9.4	6.3	3.1	3.1	3.1	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)