

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: P691906

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6065 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - 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



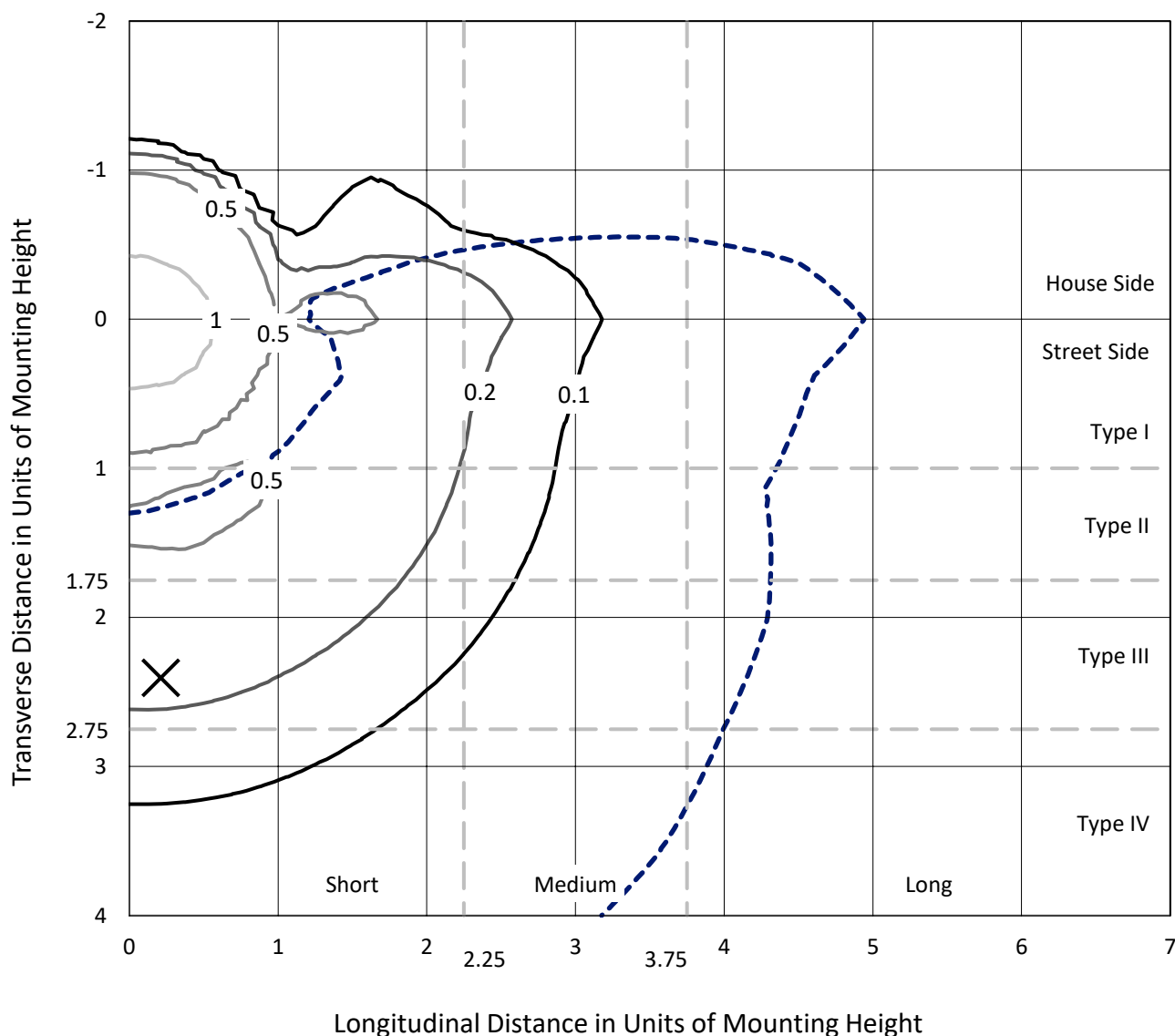
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



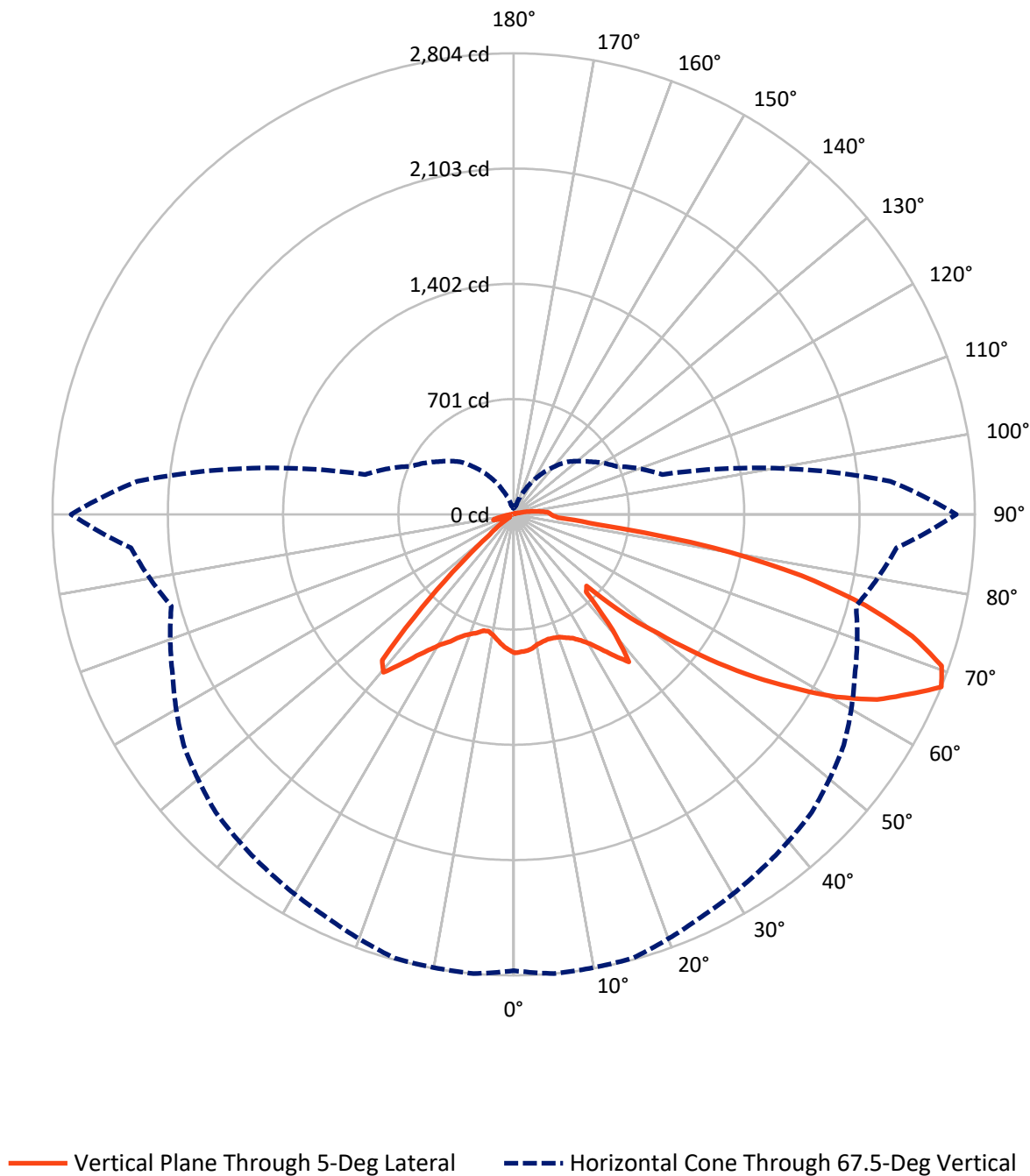
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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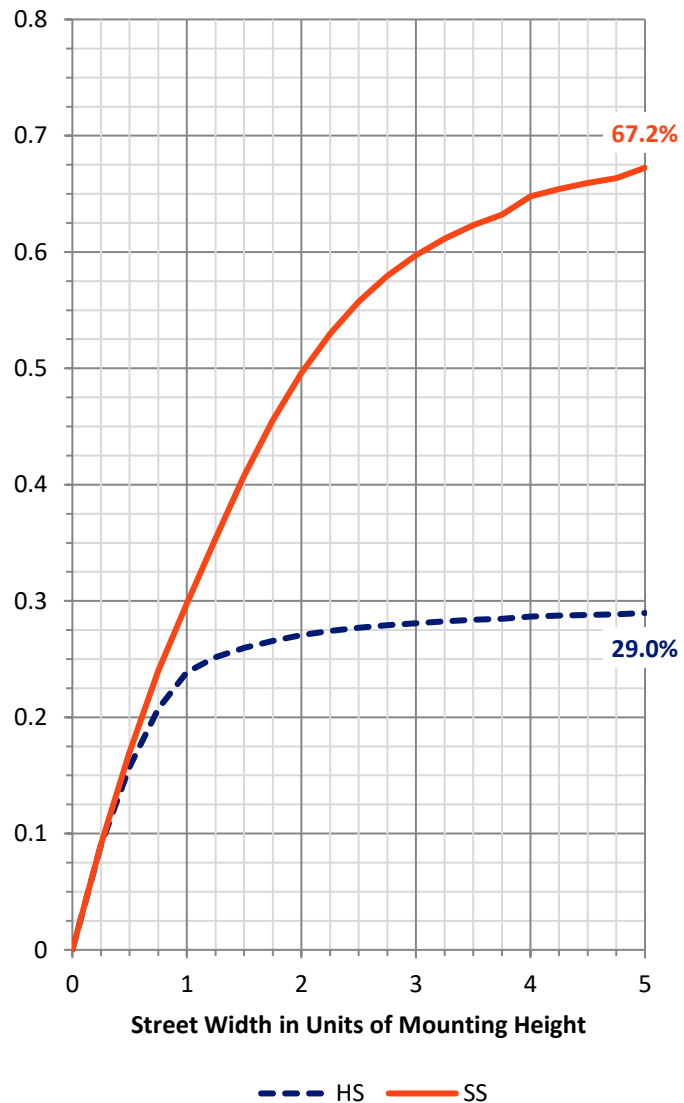
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1777.5	26.7	1804.2
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4156.4	104.4	4260.8
	% Fixture	68.5	1.7	70.3
Total	Lumens	5933.8	131.1	6065.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.3
10°-20°	225.0	3.7
20°-30°	399.8	6.6
30°-40°	668.6	11.0
40°-50°	610.5	10.1
50°-60°	906.3	14.9
60°-70°	1486.7	24.5
70°-80°	1276.0	21.0
80°-90°	283.0	4.7
90°-100°	95.5	1.6
100°-110°	23.5	0.4
110°-120°	7.5	0.1
120°-130°	4.2	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5933.8	97.8
0°-180°	6065.0	100.0

Coefficient of Utilization



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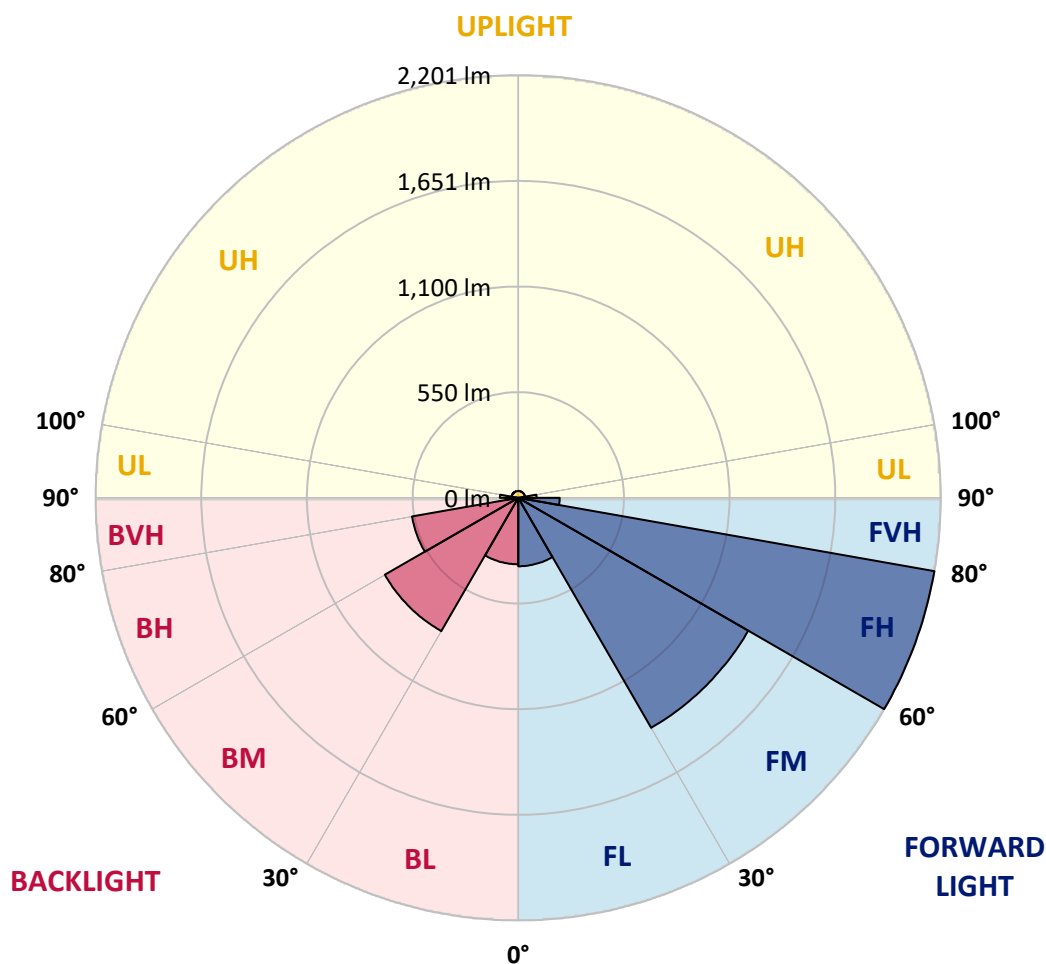
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.5	5.9			
FM	(30°-60°)	1383.2	22.8			
FH	(60°-80°)	2200.9	36.3			G2/5000
FVH	(80°-90°)	215.8	3.6			G2/225
BL	(0°-30°)	346.3	5.7	B1/500		
BM	(30°-60°)	802.1	13.2	B1/1000		
BH	(60°-80°)	561.8	9.3	B2/1000		G2/1000
BVH	(80°-90°)	67.2	1.1			G1/100
UL	(90°-100°)	95.5	1.6		U3/500	
UH	(100°-180°)	35.6	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8
2.5°	837.6	837.6	837.6	840.7	843.8	840.7	837.6	834.4	831.3	834.4	834.4
5°	834.4	834.4	837.6	837.6	840.7	843.8	840.7	837.6	834.4	834.4	834.4
7.5°	818.7	821.9	821.9	825.0	828.1	834.4	834.4	828.1	828.1	828.1	828.1
10°	803.0	803.0	806.2	809.3	812.5	818.7	818.7	812.5	815.6	818.7	818.7
12.5°	793.6	793.6	796.8	803.0	806.2	809.3	812.5	812.5	815.6	812.5	815.6
15°	787.4	787.4	787.4	796.8	806.2	809.3	815.6	818.7	821.9	821.9	821.9
17.5°	790.5	790.5	790.5	803.0	809.3	818.7	825.0	828.1	828.1	831.3	831.3
20°	796.8	796.8	799.9	809.3	821.9	831.3	837.6	840.7	840.7	847.0	847.0
22.5°	809.3	815.6	812.5	821.9	831.3	843.8	853.2	859.5	859.5	865.8	865.8
25°	837.6	834.4	837.6	847.0	856.4	865.8	872.1	881.5	884.6	890.9	890.9
27.5°	868.9	868.9	868.9	878.3	884.6	894.0	900.3	906.6	912.8	922.3	925.4
30°	916.0	912.8	909.7	919.1	925.4	934.8	941.1	944.2	944.2	950.5	956.8
32.5°	978.7	978.7	978.7	985.0	988.1	997.5	1000.7	1003.8	1000.7	1010.1	1013.2
35°	1057.1	1057.1	1060.3	1066.5	1076.0	1082.2	1085.4	1082.2	1085.4	1091.6	1097.9
37.5°	1135.6	1138.7	1148.1	1157.5	1163.8	1176.3	1185.8	1185.8	1188.9	1207.7	1207.7
40°	919.1	928.5	937.9	959.9	988.1	1025.8	1088.5	1113.6	1185.8	1223.4	1232.8
42.5°	624.2	646.2	671.3	699.5	721.5	724.6	784.2	818.7	890.9	959.9	978.7
45°	596.0	621.1	646.2	627.4	643.1	592.9	652.5	658.8	693.3	746.6	887.7
47.5°	875.2	909.7	944.2	897.2	906.6	796.8	818.7	793.6	715.2	803.0	1038.3
50°	1141.8	1138.7	1188.9	1166.9	1192.0	1072.8	1082.2	1032.0	909.7	1032.0	1367.7
52.5°	1399.1	1424.2	1477.5	1471.2	1490.0	1336.3	1308.1	1264.2	1072.8	1261.0	1656.3
55°	1697.1	1715.9	1766.1	1750.4	1741.0	1587.3	1537.1	1493.2	1308.1	1552.8	1963.7
57.5°	1976.3	1985.7	2045.3	1991.9	1960.6	1844.5	1775.5	1703.3	1521.4	1819.4	2177.0
60°	2242.9	2255.4	2289.9	2217.8	2167.6	2076.6	1991.9	1913.5	1744.1	2057.8	2374.6
62.5°	2493.8	2481.3	2497.0	2406.0	2371.5	2289.9	2199.0	2101.7	1954.3	2246.0	2566.0
65°	2638.1	2638.1	2657.0	2540.9	2487.6	2437.4	2337.0	2224.1	2089.2	2337.0	2685.2
67.5°	2776.2	2804.4	2795.0	2700.9	2631.9	2562.9	2449.9	2289.9	2155.1	2337.0	2691.5
70°	2726.0	2760.5	2722.8	2647.5	2578.5	2497.0	2393.5	2236.6	2086.0	2224.1	2547.2
72.5°	2509.5	2534.6	2518.9	2453.1	2368.4	2315.0	2205.2	2086.0	1910.4	2029.6	2311.9
75°	2214.7	2208.4	2236.6	2161.3	2089.2	2039.0	1932.3	1857.0	1693.9	1781.8	2051.5
77.5°	1784.9	1788.0	1847.6	1762.9	1706.5	1672.0	1574.7	1512.0	1364.6	1443.0	1650.0
80°	1198.3	1232.8	1289.3	1198.3	1188.9	1141.8	1060.3	1019.5	906.6	944.2	1054.0
82.5°	498.8	514.5	533.3	505.0	495.6	479.9	445.4	432.9	389.0	407.8	407.8
85°	279.2	276.0	285.5	285.5	279.2	266.6	254.1	232.1	213.3	210.2	194.5
87.5°	235.3	238.4	244.7	244.7	232.1	222.7	207.0	191.4	175.7	166.3	150.6
90°	219.6	222.7	225.9	216.4	203.9	194.5	181.9	169.4	156.8	150.6	134.9
92.5°	210.2	210.2	210.2	197.6	185.1	175.7	166.3	153.7	144.3	138.0	125.5
95°	175.7	172.5	169.4	163.1	150.6	141.2	134.9	122.3	116.1	109.8	103.5
97.5°	131.8	128.6	125.5	122.3	109.8	103.5	100.4	94.1	87.8	78.4	75.3
100°	94.1	91.0	91.0	87.8	81.6	75.3	72.1	65.9	59.6	53.3	50.2
102.5°	62.7	59.6	59.6	56.5	53.3	50.2	43.9	40.8	34.5	31.4	28.2
105°	34.5	34.5	34.5	31.4	31.4	28.2	25.1	22.0	18.8	18.8	15.7
107.5°	25.1	25.1	25.1	25.1	22.0	22.0	18.8	15.7	15.7	12.5	12.5
110°	18.8	18.8	18.8	18.8	18.8	15.7	15.7	12.5	12.5	9.4	9.4



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.7	15.7	15.7	15.7	15.7	15.7	12.5	12.5	9.4	9.4	9.4
115°	15.7	15.7	15.7	15.7	12.5	12.5	9.4	9.4	9.4	9.4	6.3
117.5°	12.5	12.5	12.5	12.5	12.5	9.4	9.4	9.4	9.4	6.3	9.4
120°	12.5	12.5	12.5	12.5	9.4	9.4	9.4	6.3	6.3	6.3	6.3
122.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	6.3	6.3	6.3	6.3
125°	9.4	9.4	9.4	9.4	9.4	6.3	6.3	6.3	6.3	6.3	6.3
127.5°	9.4	9.4	6.3	9.4	6.3	6.3	6.3	6.3	6.3	3.1	6.3
130°	9.4	9.4	6.3	6.3	6.3	6.3	6.3	6.3	3.1	3.1	3.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8	843.8
2.5°	837.6	837.6	840.7	837.6	837.6	831.3	828.1	825.0	825.0	825.0
5°	834.4	834.4	831.3	825.0	821.9	815.6	809.3	806.2	803.0	806.2
7.5°	828.1	821.9	815.6	803.0	793.6	790.5	778.0	774.8	774.8	774.8
10°	815.6	809.3	793.6	778.0	771.7	762.3	752.9	743.4	746.6	749.7
12.5°	812.5	796.8	784.2	768.5	759.1	743.4	740.3	730.9	727.8	727.8
15°	815.6	803.0	787.4	774.8	762.3	756.0	743.4	740.3	730.9	737.2
17.5°	828.1	809.3	796.8	784.2	771.7	765.4	756.0	749.7	752.9	752.9
20°	840.7	821.9	809.3	799.9	787.4	778.0	774.8	768.5	771.7	765.4
22.5°	859.5	840.7	831.3	818.7	809.3	803.0	796.8	799.9	793.6	796.8
25°	884.6	868.9	856.4	847.0	837.6	831.3	831.3	831.3	828.1	831.3
27.5°	919.1	903.4	894.0	887.7	878.3	872.1	865.8	868.9	872.1	868.9
30°	950.5	931.7	928.5	922.3	916.0	912.8	912.8	912.8	912.8	919.1
32.5°	1000.7	981.9	975.6	975.6	969.3	966.2	963.0	969.3	972.4	969.3
35°	1079.1	1054.0	1047.7	1044.6	1041.5	1041.5	1044.6	1044.6	1044.6	1044.6
37.5°	1176.3	1141.8	1135.6	1132.4	1132.4	1132.4	1129.3	1132.4	1141.8	1145.0
40°	1220.3	1198.3	1207.7	1223.4	1232.8	1232.8	1229.7	1235.9	1245.4	1245.4
42.5°	988.1	941.1	975.6	1038.3	1079.1	1129.3	1138.7	1170.1	1195.2	1195.2
45°	803.0	608.6	621.1	661.9	680.7	724.6	749.7	778.0	793.6	771.7
47.5°	903.4	392.1	323.1	335.6	288.6	348.2	389.0	432.9	442.3	451.7
50°	1417.9	404.7	272.9	197.6	131.8	175.7	185.1	210.2	203.9	207.0
52.5°	1722.2	464.3	272.9	175.7	109.8	116.1	106.7	119.2	125.5	138.0
55°	1932.3	558.4	354.5	222.7	128.6	78.4	53.3	40.8	37.6	37.6
57.5°	2032.7	683.8	461.1	316.8	200.8	109.8	47.1	34.5	31.4	28.2
60°	2126.8	818.7	583.5	432.9	316.8	194.5	87.8	34.5	28.2	28.2
62.5°	2211.5	953.6	705.8	561.5	445.4	304.3	163.1	59.6	31.4	31.4
65°	2280.5	981.9	715.2	608.6	479.9	357.6	213.3	72.1	34.5	34.5
67.5°	2299.4	934.8	690.1	558.4	448.6	304.3	166.3	59.6	40.8	37.6
70°	2173.9	887.7	693.3	530.1	404.7	269.8	109.8	69.0	53.3	50.2
72.5°	1966.8	821.9	658.8	514.5	389.0	272.9	128.6	112.9	100.4	94.1
75°	1731.6	743.4	608.6	492.5	376.4	263.5	150.6	141.2	128.6	125.5
77.5°	1389.6	618.0	511.3	417.2	316.8	210.2	125.5	119.2	103.5	103.5
80°	912.8	461.1	385.8	320.0	241.5	147.4	94.1	84.7	75.3	72.1
82.5°	373.3	269.8	232.1	200.8	156.8	94.1	62.7	53.3	43.9	40.8
85°	181.9	134.9	116.1	94.1	78.4	53.3	40.8	34.5	25.1	25.1
87.5°	147.4	106.7	87.8	72.1	53.3	37.6	28.2	22.0	15.7	12.5
90°	134.9	94.1	75.3	59.6	43.9	31.4	18.8	15.7	9.4	6.3
92.5°	122.3	81.6	65.9	47.1	34.5	25.1	12.5	9.4	6.3	6.3
95°	100.4	62.7	50.2	37.6	28.2	18.8	12.5	6.3	3.1	3.1
97.5°	72.1	47.1	37.6	28.2	22.0	12.5	9.4	6.3	3.1	3.1
100°	50.2	31.4	28.2	22.0	15.7	9.4	6.3	3.1	3.1	3.1
102.5°	25.1	18.8	18.8	15.7	12.5	9.4	3.1	3.1	0.0	0.0
105°	15.7	12.5	12.5	9.4	6.3	6.3	3.1	3.1	0.0	0.0
107.5°	9.4	9.4	9.4	6.3	6.3	3.1	3.1	0.0	0.0	0.0
110°	9.4	6.3	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0
115°	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
117.5°	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
120°	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
122.5°	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
127.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	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
172.5°	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
177.5°	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

(END OF REPORT)