

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: P691936

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11078 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 79
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

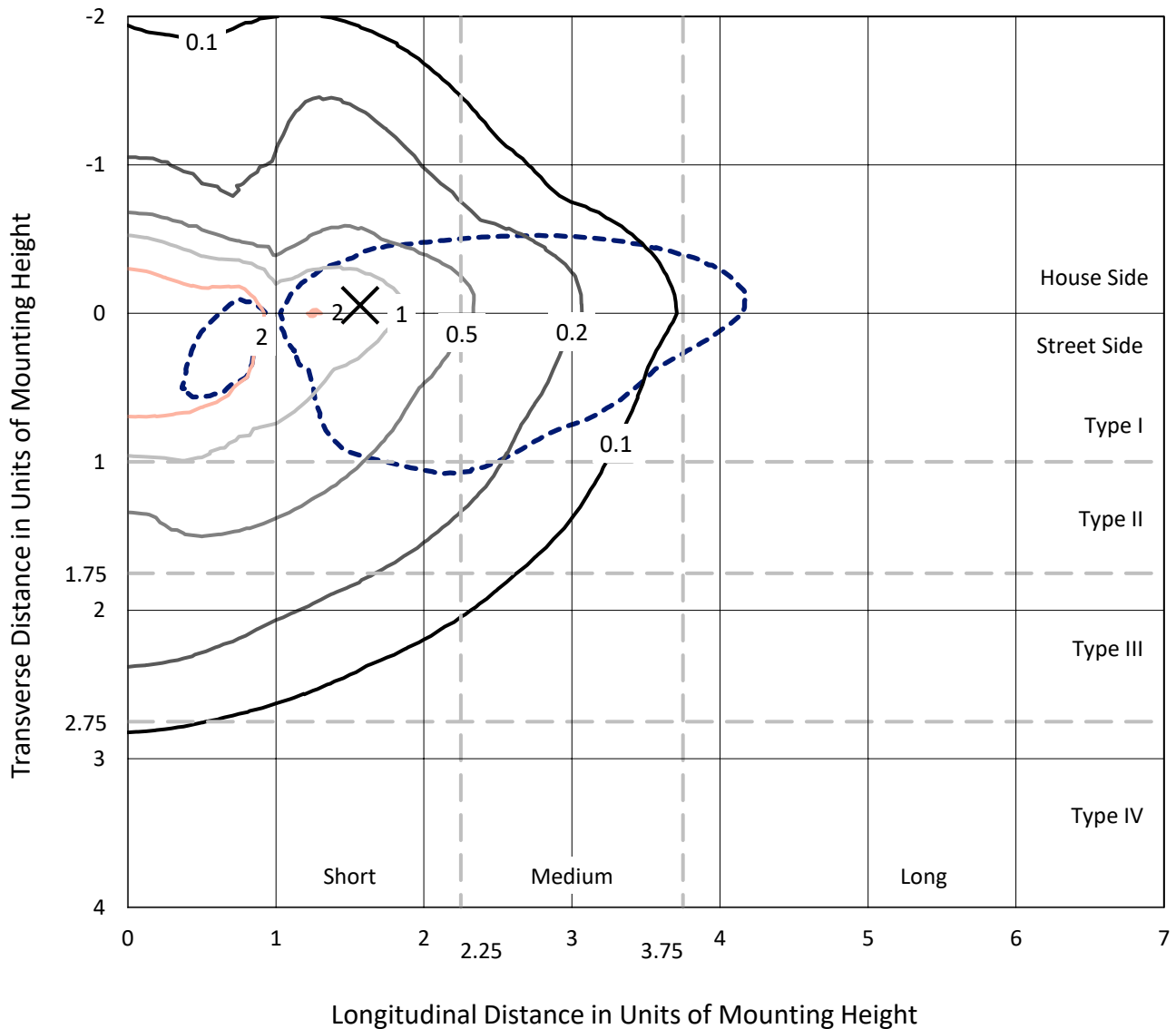


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

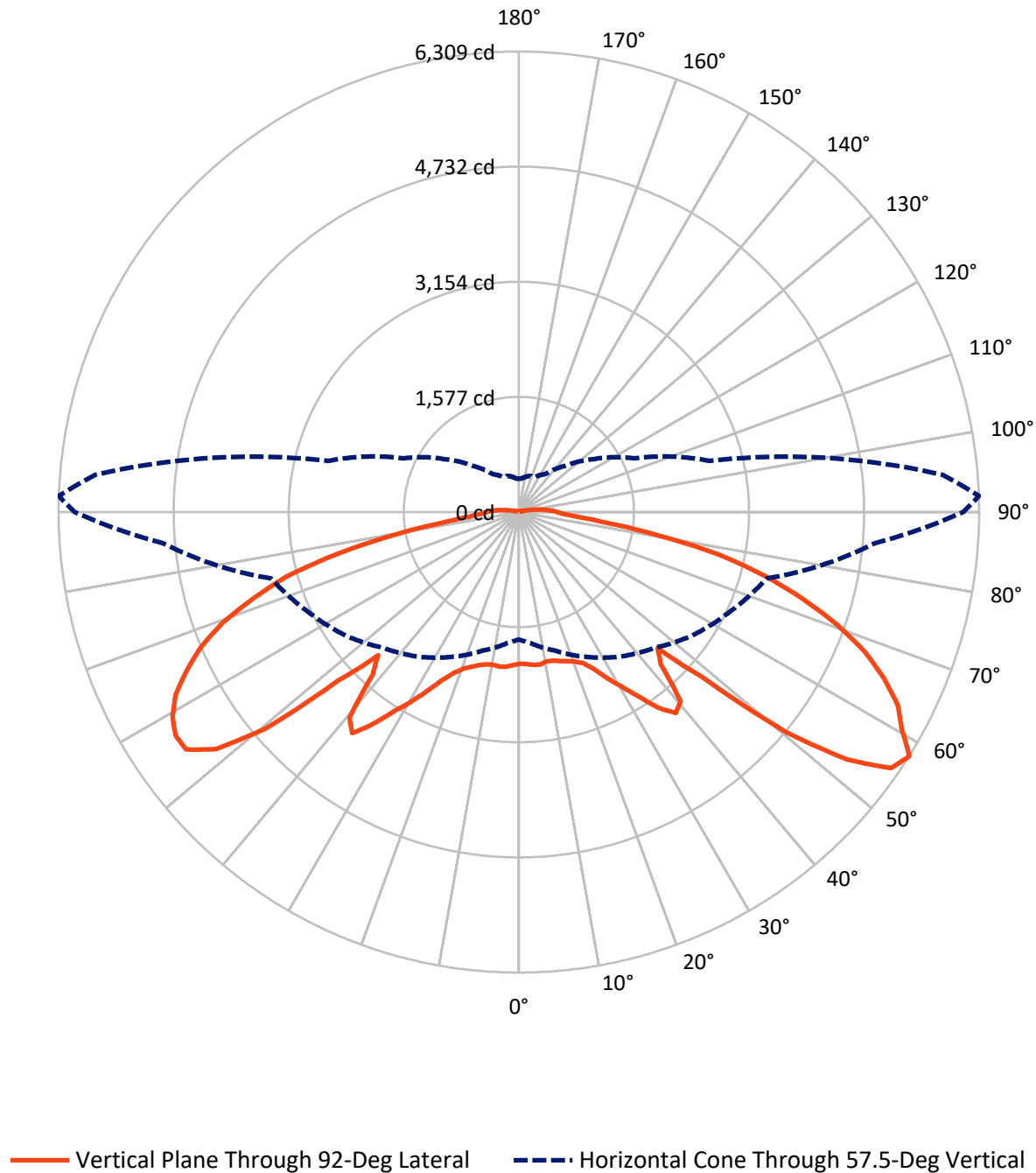


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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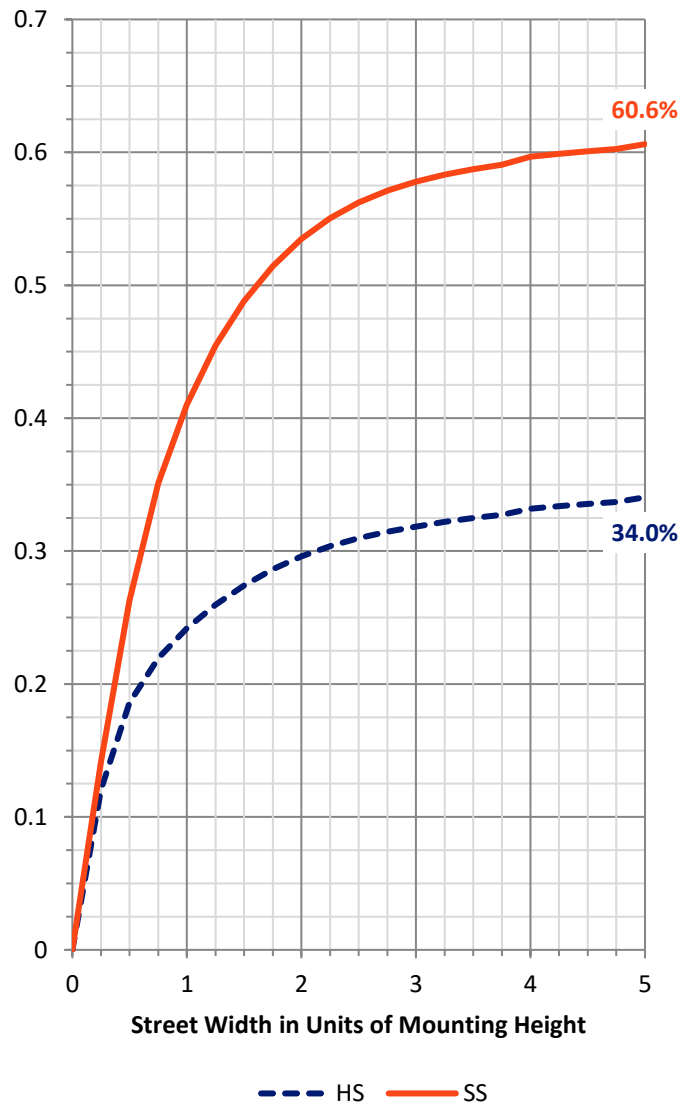
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3952.7	172.7	4125.4
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	6811.6	141.0	6952.6
	% Fixture	61.5	1.3	62.8
Total	Lumens	10764.3	313.7	11078.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.3	1.8
10°-20°	587.0	5.3
20°-30°	973.6	8.8
30°-40°	1347.5	12.2
40°-50°	1258.2	11.4
50°-60°	1880.1	17.0
60°-70°	2233.3	20.2
70°-80°	1639.1	14.8
80°-90°	646.2	5.8
90°-100°	227.6	2.1
100°-110°	53.8	0.5
110°-120°	20.8	0.2
120°-130°	10.6	0.1
130°-140°	0.9	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°	10764.3	97.2
0°-180°	11078.0	100.0

Coefficient of Utilization



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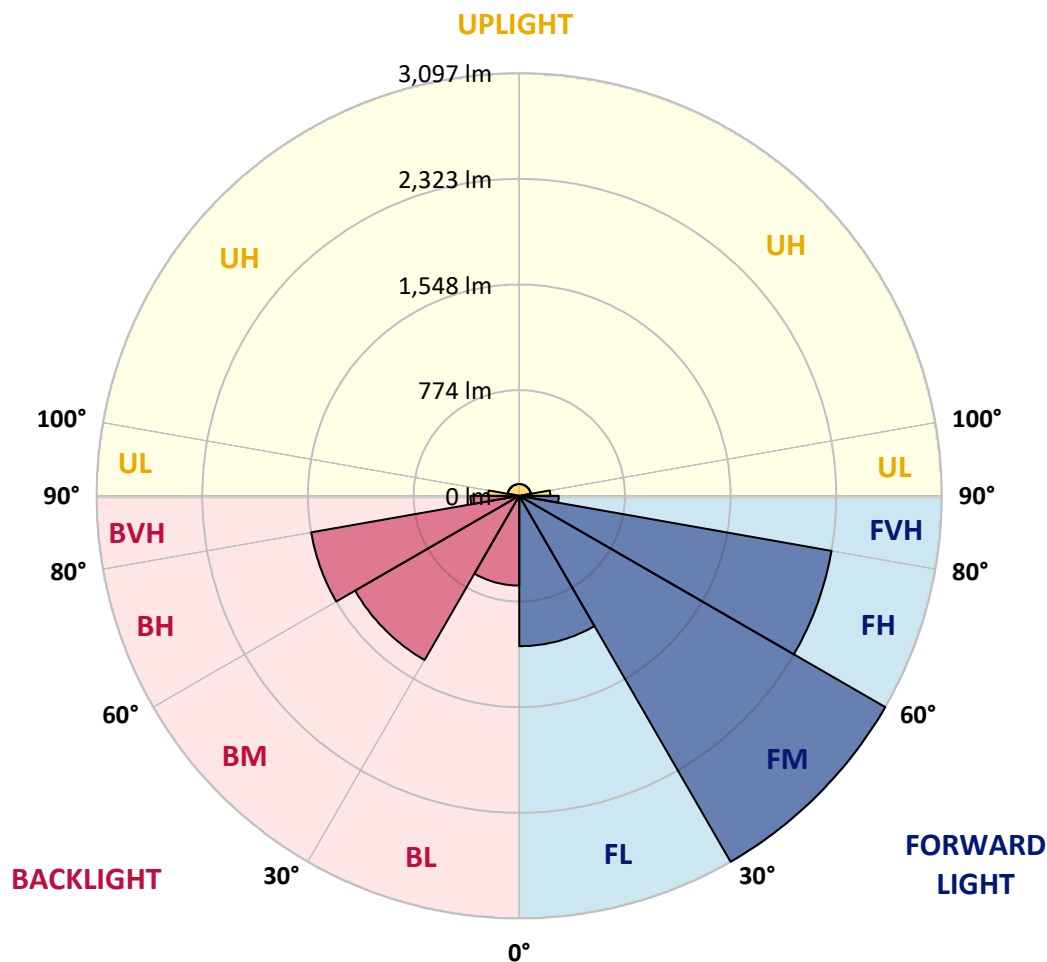
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1102.0	9.9			
FM	(30°-60°)	3096.8	28.0			
FH	(60°-80°)	2324.0	21.0			G2/5000
FVH	(80°-90°)	288.8	2.6			G3/500
BL	(0°-30°)	658.0	5.9	B2/1000		
BM	(30°-60°)	1389.0	12.5	B2/2500		
BH	(60°-80°)	1548.4	14.0	B3/2500		G3/2500
BVH	(80°-90°)	357.4	3.2			G3/500
UL	(90°-100°)	227.6	2.1		U3/500	
UH	(100°-180°)	86.1	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1
2.5°	2167.6	2152.7	2156.4	2152.7	2145.2	2137.7	2130.3	2122.8	2111.6	2100.4	2093.0
5°	2294.4	2279.5	2279.5	2279.5	2264.6	2242.2	2212.4	2193.7	2167.6	2137.7	2115.4
7.5°	2380.2	2369.1	2365.3	2361.6	2342.9	2328.0	2294.4	2234.7	2193.7	2156.4	2122.8
10°	2410.1	2410.1	2406.4	2395.2	2376.5	2357.9	2335.5	2279.5	2212.4	2148.9	2104.2
12.5°	2466.1	2473.5	2462.3	2443.7	2436.2	2413.8	2380.2	2335.5	2260.9	2163.9	2111.6
15°	2551.9	2548.1	2533.2	2529.5	2522.0	2495.9	2466.1	2410.1	2324.3	2201.2	2141.5
17.5°	2589.2	2585.4	2585.4	2585.4	2585.4	2566.8	2563.1	2499.6	2410.1	2260.9	2186.2
20°	2596.6	2596.6	2607.8	2633.9	2637.7	2633.9	2652.6	2611.6	2507.1	2335.5	2234.7
22.5°	2645.1	2648.9	2667.5	2693.6	2712.3	2719.7	2734.7	2753.3	2656.3	2454.9	2328.0
25°	2619.0	2637.7	2678.7	2719.7	2764.5	2790.6	2872.7	2936.1	2854.1	2630.2	2458.6
27.5°	2574.2	2589.2	2671.2	2745.9	2846.6	2954.8	3074.2	3156.3	3107.8	2846.6	2667.5
30°	2615.3	2615.3	2667.5	2790.6	2921.2	3118.9	3294.3	3383.8	3361.4	3074.2	2910.0
32.5°	2529.5	2551.9	2663.8	2842.9	3040.6	3298.0	3477.1	3645.0	3667.4	3368.9	3104.0
35°	2275.8	2324.3	2398.9	2633.9	2969.7	3417.4	3693.5	3906.1	3999.4	3704.7	3395.0
37.5°	1880.3	1899.0	2055.7	2290.7	2689.9	3133.9	3611.4	4130.0	4324.0	3958.4	3686.0
40°	1660.2	1671.4	1772.1	1977.3	2313.1	2749.6	3152.5	3686.0	3839.0	3801.7	3544.3
42.5°	1585.6	1604.2	1723.6	1921.4	2204.9	2507.1	2611.6	2842.9	2783.2	2943.6	3025.7
45°	1675.1	1686.3	1772.1	1943.7	2122.8	2253.4	2178.8	2342.9	2425.0	2742.1	2760.8
47.5°	1738.6	1746.0	1839.3	2055.7	2085.5	2089.2	2190.0	2287.0	2514.6	3201.0	3506.9
50°	1492.3	1529.6	1708.7	1895.2	1910.2	2204.9	2492.2	2686.2	2966.0	4215.8	4801.5
52.5°	1384.1	1402.8	1596.8	1921.4	2137.7	2481.0	2686.2	2880.2	3148.8	4656.0	5685.7
55°	1518.4	1548.3	1779.6	2141.5	2357.9	2592.9	2850.3	3089.1	3354.0	4883.6	6081.2
57.5°	1746.0	1802.0	1969.9	2190.0	2417.6	2630.2	2928.7	3204.8	3514.4	4898.5	6088.7
60°	2197.4	2156.4	2063.1	2160.1	2380.2	2622.7	2966.0	3260.7	3603.9	4894.8	5917.0
62.5°	2507.1	2447.4	2137.7	2093.0	2298.2	2544.4	2883.9	3253.3	3585.3	4730.6	5723.0
65°	2447.4	2406.4	2167.6	2003.4	2152.7	2417.6	2772.0	3208.5	3495.8	4555.3	5372.3
67.5°	2111.6	2063.1	1962.4	1899.0	1973.6	2283.2	2667.5	3118.9	3391.3	4353.8	4988.1
70°	1723.6	1697.5	1663.9	1731.1	1824.4	2115.4	2477.2	2924.9	3193.6	3969.6	4577.7
72.5°	1462.5	1447.5	1406.5	1477.4	1634.1	1895.2	2197.4	2645.1	2947.3	3451.0	4070.3
75°	1231.2	1234.9	1212.5	1257.3	1358.0	1615.4	1854.2	2290.7	2626.5	2962.3	3521.9
77.5°	1011.0	999.9	1022.2	1048.4	1115.5	1302.0	1462.5	1843.0	2242.2	2350.4	2701.1
80°	738.7	757.4	798.4	794.7	850.6	932.7	1040.9	1242.4	1574.4	1682.6	1816.9
82.5°	522.3	544.7	582.0	541.0	548.4	570.8	619.3	712.6	887.9	996.1	1108.0
85°	369.3	380.5	388.0	358.2	358.2	373.1	406.7	473.8	582.0	649.2	708.9
87.5°	268.6	272.3	287.3	272.3	276.1	283.5	313.4	358.2	447.7	496.2	544.7
90°	205.2	205.2	212.7	208.9	216.4	231.3	261.2	298.5	365.6	425.3	470.1
92.5°	149.2	149.2	156.7	160.4	164.2	182.8	208.9	238.8	283.5	358.2	402.9
95°	115.7	115.7	123.1	123.1	126.8	141.8	164.2	194.0	227.6	279.8	320.8
97.5°	85.8	85.8	93.3	93.3	97.0	108.2	126.8	145.5	175.3	208.9	227.6
100°	67.2	67.2	70.9	70.9	74.6	85.8	97.0	108.2	115.7	134.3	141.8
102.5°	56.0	56.0	56.0	56.0	56.0	63.4	67.2	67.2	70.9	82.1	85.8
105°	44.8	44.8	44.8	41.0	41.0	44.8	44.8	44.8	48.5	48.5	52.2
107.5°	33.6	33.6	33.6	33.6	33.6	37.3	37.3	37.3	37.3	41.0	41.0
110°	29.8	29.8	29.8	29.8	29.8	29.8	33.6	33.6	33.6	33.6	33.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.1	26.1	26.1	26.1	26.1	26.1	29.8	29.8	29.8	29.8	29.8
115°	22.4	22.4	22.4	22.4	22.4	26.1	29.8	26.1	26.1	26.1	26.1
117.5°	18.7	18.7	18.7	22.4	22.4	22.4	26.1	22.4	22.4	22.4	26.1
120°	14.9	14.9	18.7	18.7	18.7	18.7	18.7	18.7	22.4	22.4	22.4
122.5°	14.9	14.9	14.9	14.9	14.9	18.7	18.7	18.7	18.7	18.7	22.4
125°	11.2	11.2	11.2	14.9	14.9	14.9	14.9	14.9	14.9	18.7	18.7
127.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	14.9	14.9
130°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1	2078.1
2.5°	2085.5	2085.5	2063.1	2040.7	2018.4	1996.0	1977.3	1966.1	1951.2	1954.9	1954.9
5°	2104.2	2093.0	2044.5	2014.6	1981.1	1951.2	1921.4	1895.2	1887.8	1884.1	1869.1
7.5°	2107.9	2089.2	2037.0	1992.2	1928.8	1857.9	1824.4	1794.5	1775.9	1790.8	1783.3
10°	2081.8	2059.4	1999.7	1932.6	1843.0	1783.3	1731.1	1701.2	1686.3	1690.1	1686.3
12.5°	2089.2	2063.1	1966.1	1865.4	1790.8	1690.1	1626.6	1600.5	1581.9	1581.9	1570.7
15°	2119.1	2074.3	1936.3	1831.8	1708.7	1622.9	1548.3	1529.6	1522.2	1514.7	1503.5
17.5°	2148.9	2085.5	1932.6	1772.1	1634.1	1540.8	1466.2	1432.6	1414.0	1414.0	1410.2
20°	2186.2	2107.9	1910.2	1708.7	1563.2	1440.1	1350.5	1320.7	1305.8	1302.0	1294.6
22.5°	2249.7	2167.6	1899.0	1682.6	1469.9	1343.1	1257.3	1201.3	1171.5	1167.7	1167.7
25°	2376.5	2275.8	1921.4	1611.7	1406.5	1242.4	1137.9	1081.9	1048.4	1048.4	1044.6
27.5°	2578.0	2417.6	1954.9	1585.6	1287.1	1134.2	1026.0	940.2	910.3	910.3	914.0
30°	2775.7	2633.9	2040.7	1529.6	1220.0	992.4	861.8	798.4	761.1	746.2	749.9
32.5°	3010.8	2861.5	2160.1	1492.3	1085.7	824.5	705.1	671.5	615.6	600.7	589.5
35°	3298.0	3081.6	2294.4	1440.1	981.2	701.4	604.4	537.2	511.1	492.5	488.7
37.5°	3492.0	3301.8	2413.8	1451.3	835.7	634.2	526.0	455.2	429.0	432.8	432.8
40°	3409.9	3189.8	2443.7	1376.7	712.6	552.2	440.2	399.2	384.3	388.0	391.7
42.5°	2850.3	2734.7	2022.1	1231.2	589.5	444.0	369.3	369.3	380.5	369.3	369.3
45°	2663.8	2372.8	1469.9	865.5	444.0	365.6	350.7	361.9	388.0	388.0	388.0
47.5°	3372.6	3044.3	1317.0	723.8	496.2	410.4	380.5	361.9	365.6	361.9	361.9
50°	4730.6	4215.8	1768.4	902.9	600.7	488.7	432.8	395.5	395.5	388.0	380.5
52.5°	5633.5	5092.5	2152.7	1130.4	753.6	570.8	496.2	429.0	406.7	391.7	388.0
55°	6193.1	5782.7	2484.7	1447.5	981.2	679.0	552.2	481.3	447.7	417.8	414.1
57.5°	6308.8	5831.2	2704.8	1738.6	1264.7	891.7	634.2	533.5	511.1	462.6	455.2
60°	6025.2	5708.1	2790.6	1928.8	1511.0	1175.2	828.2	619.3	570.8	537.2	529.8
62.5°	5827.5	5461.9	2760.8	1992.2	1663.9	1410.2	1089.4	761.1	623.0	626.8	660.4
65°	5495.5	5249.2	2540.7	1899.0	1656.5	1488.6	1223.7	880.5	641.7	634.2	675.3
67.5°	5114.9	4920.9	2320.6	1693.8	1525.9	1380.4	1137.9	839.4	608.1	570.8	574.5
70°	4626.2	4462.0	2096.7	1578.1	1406.5	1223.7	988.7	727.5	600.7	541.0	541.0
72.5°	4062.8	3868.8	1910.2	1492.3	1343.1	1175.2	947.6	701.4	645.4	623.0	641.7
75°	3465.9	3219.7	1764.7	1410.2	1298.3	1175.2	943.9	701.4	645.4	626.8	626.8
77.5°	2794.4	2648.9	1608.0	1279.7	1208.8	1119.2	869.3	652.9	634.2	626.8	626.8
80°	1932.6	1910.2	1309.5	1111.8	1093.1	1059.5	817.0	630.5	630.5	619.3	604.4
82.5°	1186.4	1130.4	936.4	832.0	895.4	943.9	742.4	593.2	578.3	567.1	559.6
85°	768.5	772.3	656.6	582.0	619.3	720.0	626.8	537.2	514.8	522.3	522.3
87.5°	589.5	608.1	514.8	473.8	466.3	488.7	492.5	481.3	466.3	455.2	458.9
90°	507.4	514.8	414.1	380.5	376.8	384.3	384.3	406.7	406.7	369.3	347.0
92.5°	425.3	436.5	343.2	309.7	309.7	320.8	328.3	328.3	298.5	242.5	216.4
95°	335.8	343.2	272.3	246.2	250.0	250.0	246.2	235.0	182.8	108.2	97.0
97.5°	235.0	238.8	201.5	186.5	190.3	182.8	160.4	145.5	111.9	63.4	59.7
100°	149.2	153.0	126.8	123.1	134.3	119.4	104.5	97.0	67.2	41.0	48.5
102.5°	89.5	89.5	78.3	74.6	82.1	70.9	63.4	52.2	41.0	26.1	33.6
105°	52.2	52.2	48.5	48.5	48.5	44.8	41.0	33.6	22.4	18.7	18.7
107.5°	41.0	41.0	37.3	37.3	33.6	33.6	29.8	22.4	14.9	11.2	11.2
110°	33.6	33.6	29.8	29.8	29.8	26.1	22.4	18.7	11.2	7.5	7.5



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CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.8	29.8	26.1	26.1	22.4	22.4	18.7	14.9	11.2	7.5	7.5
115°	26.1	26.1	22.4	18.7	18.7	18.7	14.9	11.2	7.5	3.7	7.5
117.5°	26.1	26.1	18.7	14.9	14.9	14.9	11.2	11.2	7.5	3.7	3.7
120°	22.4	22.4	14.9	14.9	11.2	11.2	11.2	7.5	3.7	3.7	3.7
122.5°	18.7	18.7	14.9	11.2	11.2	11.2	7.5	7.5	3.7	3.7	3.7
125°	18.7	18.7	11.2	11.2	11.2	7.5	7.5	7.5	3.7	0.0	0.0
127.5°	14.9	14.9	11.2	11.2	7.5	7.5	7.5	3.7	3.7	0.0	0.0
130°	11.2	11.2	11.2	11.2	7.5	7.5	7.5	3.7	3.7	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	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

(END OF REPORT)