

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: P691976

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11476 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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

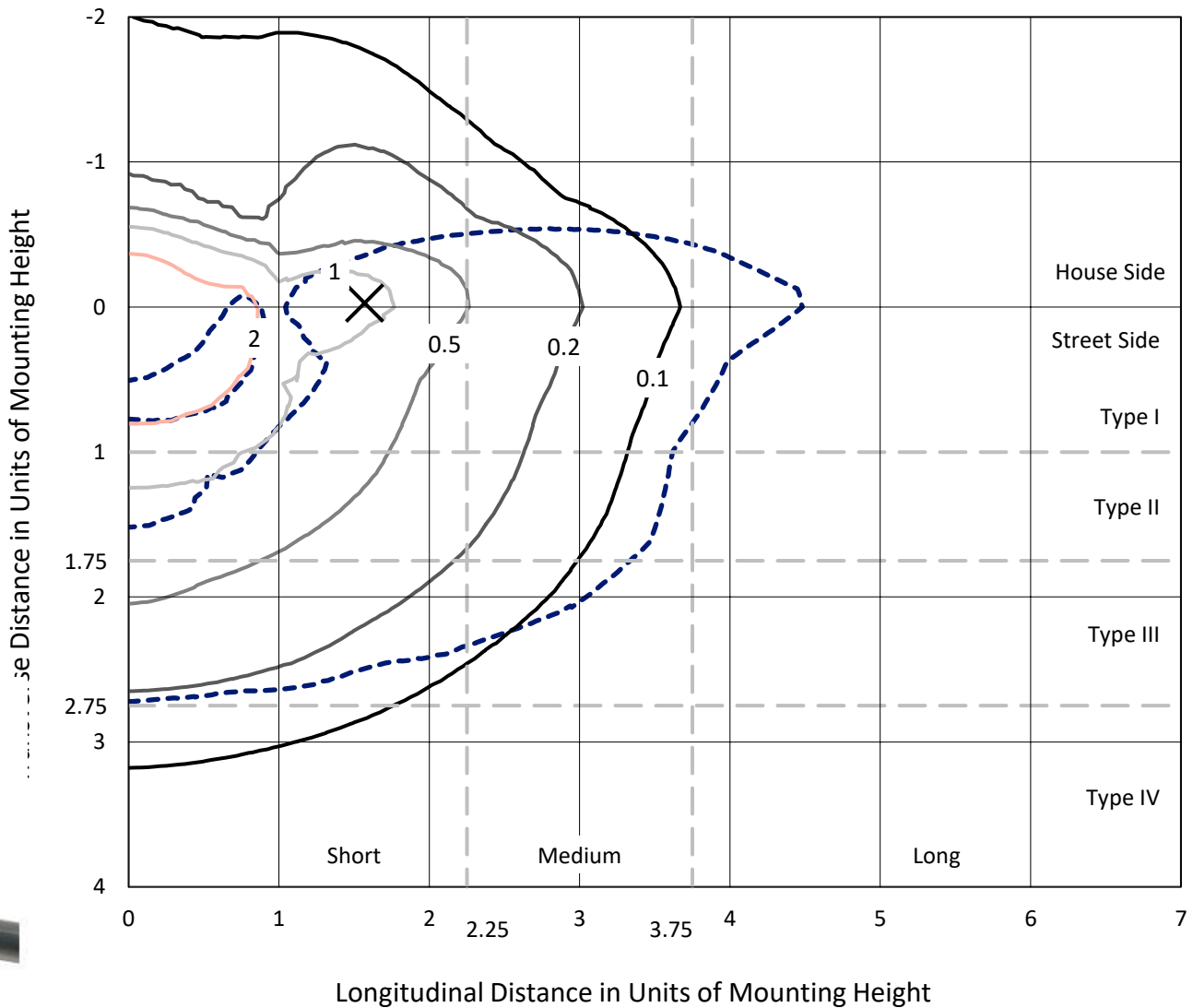


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

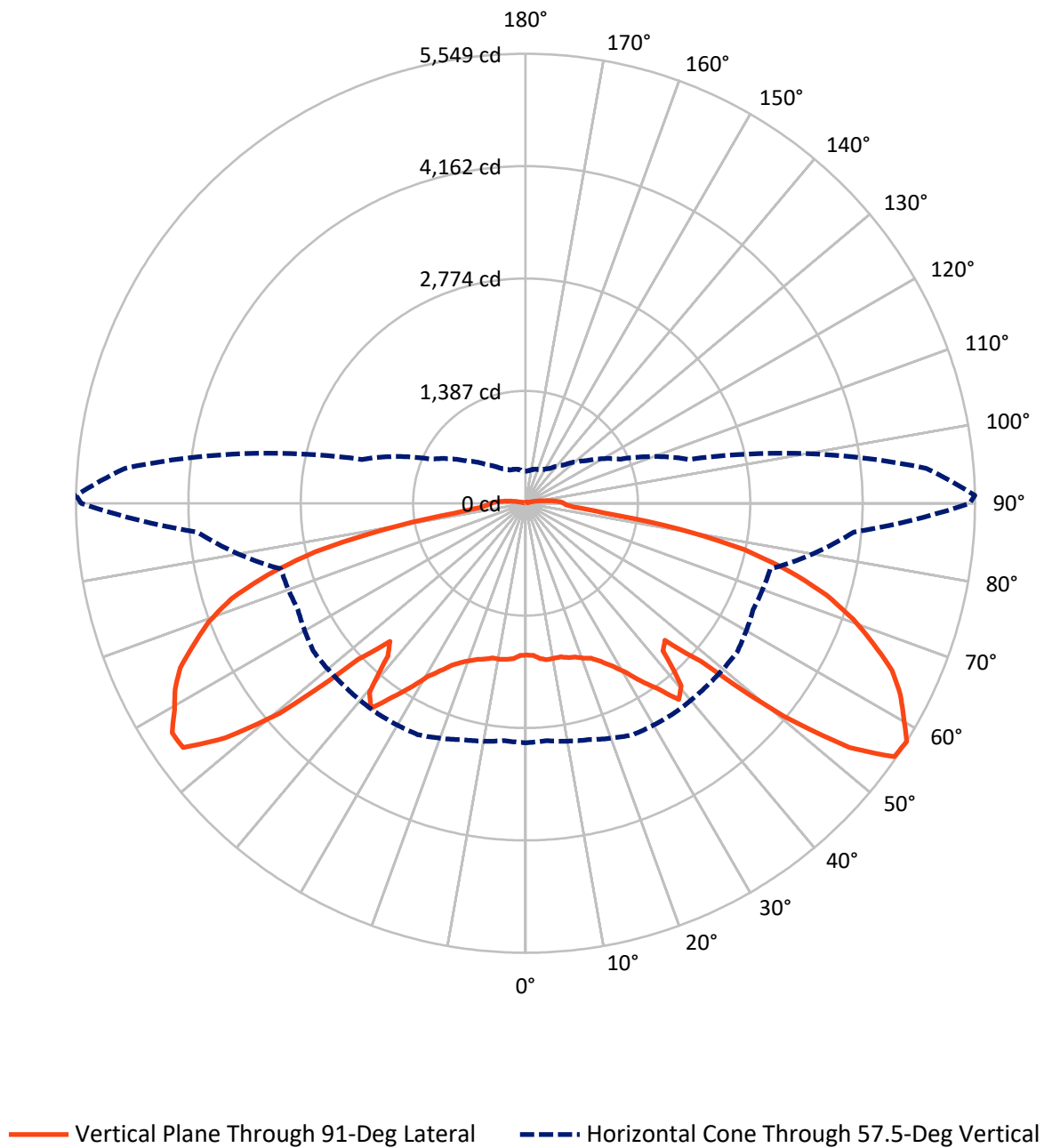


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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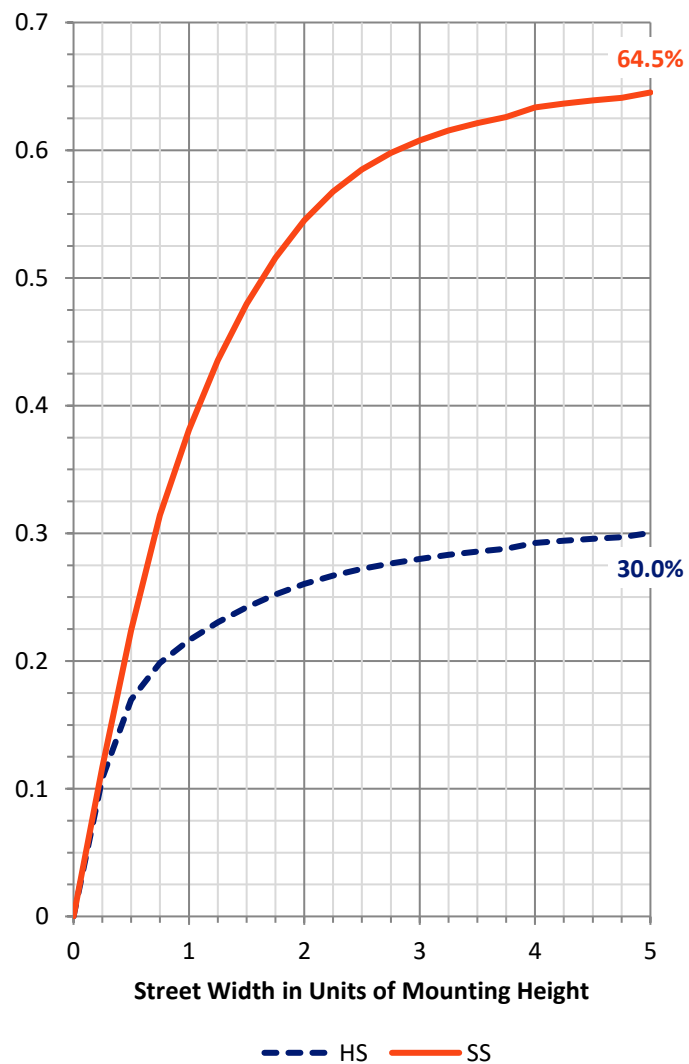
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3642.7	177.1	3819.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	7504.6	151.6	7656.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	11147.3	328.7	11476.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	1.6
10°-20°	557.7	4.9
20°-30°	948.3	8.3
30°-40°	1334.3	11.6
40°-50°	1267.0	11.0
50°-60°	1898.0	16.5
60°-70°	2456.1	21.4
70°-80°	1858.7	16.2
80°-90°	643.9	5.6
90°-100°	241.7	2.1
100°-110°	56.6	0.5
110°-120°	19.5	0.2
120°-130°	9.9	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°	11147.3	97.1
0°-180°	11476.0	100.0

Coefficient of Utilization



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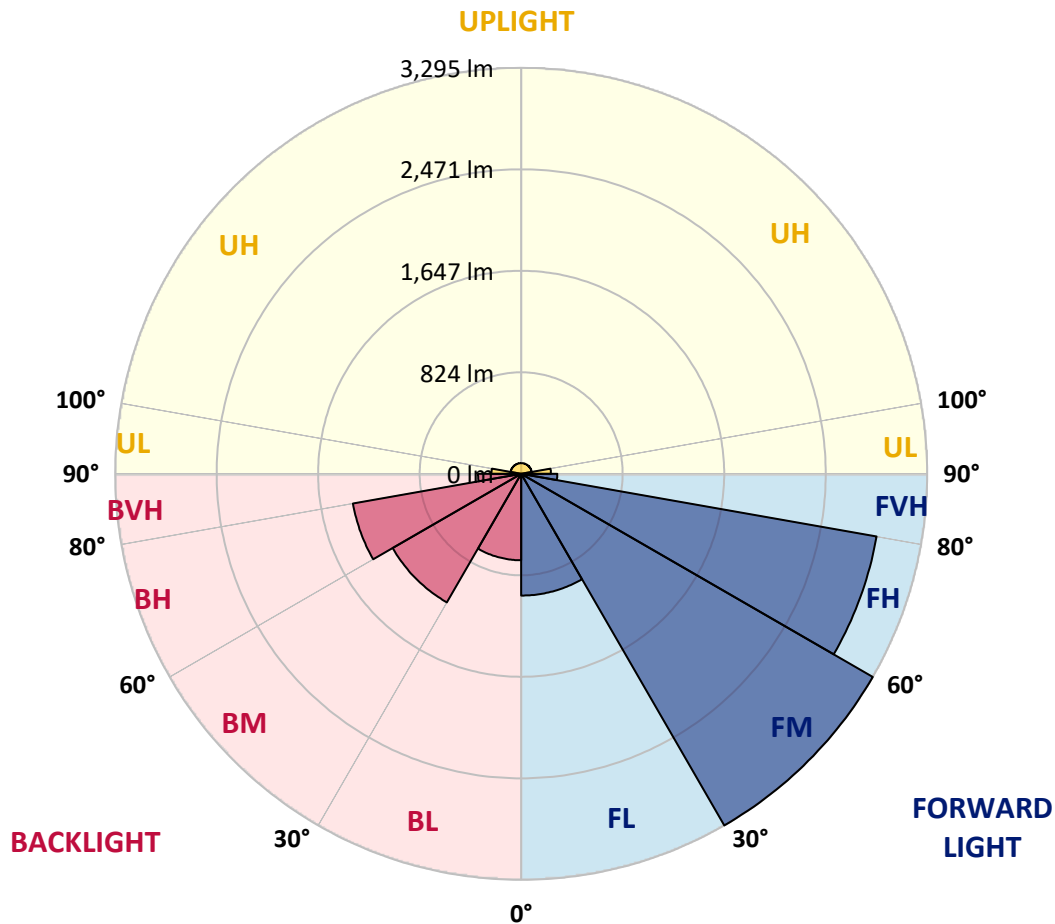
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.0	8.6			
FM	(30°-60°)	3294.5	28.7			
FH	(60°-80°)	2928.5	25.5			G2/5000
FVH	(80°-90°)	293.6	2.6			G3/500
BL	(0°-30°)	701.3	6.1	B2/1000		
BM	(30°-60°)	1204.8	10.5	B2/2500		
BH	(60°-80°)	1386.4	12.1	B3/2500		G3/2500
BVH	(80°-90°)	350.3	3.1			G3/500
UL	(90°-100°)	241.7	2.1		U3/500	
UH	(100°-180°)	86.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7
2.5°	1839.5	1839.5	1839.5	1843.3	1854.7	1862.3	1866.1	1862.3	1866.1	1873.7	1881.3
5°	1892.7	1888.9	1885.1	1877.5	1873.7	1873.7	1877.5	1877.5	1885.1	1911.7	1926.9
7.5°	1942.1	1934.5	1930.7	1930.7	1926.9	1907.9	1904.1	1892.7	1888.9	1923.1	1945.9
10°	2033.3	2025.7	2002.9	1976.3	1968.7	1945.9	1911.7	1904.1	1907.9	1945.9	1953.5
12.5°	2116.9	2113.1	2097.9	2071.3	2033.3	2010.5	1961.1	1938.3	1942.1	1964.9	1949.7
15°	2257.5	2242.3	2196.7	2173.9	2135.9	2094.1	2029.5	2002.9	2010.5	1991.5	1983.9
17.5°	2341.2	2329.7	2329.7	2287.9	2261.3	2189.1	2128.3	2078.9	2097.9	2048.5	2006.7
20°	2417.2	2417.2	2421.0	2428.6	2379.2	2322.1	2238.5	2177.7	2181.5	2109.3	2048.5
22.5°	2535.0	2523.6	2535.0	2546.4	2512.2	2462.8	2360.2	2299.3	2272.7	2181.5	2101.7
25°	2656.6	2649.0	2649.0	2679.4	2690.8	2614.8	2519.8	2455.2	2417.2	2284.1	2177.7
27.5°	2778.2	2782.0	2793.4	2804.8	2823.8	2785.8	2690.8	2641.4	2592.0	2405.8	2299.3
30°	2877.0	2869.4	2918.8	2945.4	2964.4	2979.6	2873.2	2820.0	2766.8	2561.6	2436.2
32.5°	2987.2	2987.2	3032.9	3082.3	3108.9	3139.3	3051.9	3017.7	2960.6	2747.8	2664.2
35°	3078.5	3078.5	3146.9	3230.5	3279.9	3302.7	3257.1	3253.3	3241.9	3002.4	2880.8
37.5°	2770.6	2808.6	2915.0	3082.3	3272.3	3424.3	3435.7	3511.7	3549.7	3291.3	3135.5
40°	2417.2	2428.6	2554.0	2702.2	2880.8	3070.9	3253.3	3477.5	3450.9	3139.3	3002.4
42.5°	2177.7	2208.1	2367.8	2481.8	2599.6	2717.4	2717.4	2709.8	2519.8	2576.8	2523.6
45°	2154.9	2162.5	2295.5	2466.6	2512.2	2348.8	2120.7	1995.3	2010.5	2287.9	2413.4
47.5°	2390.6	2402.0	2538.8	2702.2	2538.8	2249.9	2025.7	2006.7	1995.3	2485.6	2911.2
50°	2516.0	2523.6	2652.8	2736.4	2481.8	2478.0	2481.8	2413.4	2352.6	3260.9	4176.8
52.5°	2592.0	2599.6	2592.0	2698.4	2611.0	2812.4	2744.0	2630.0	2584.4	3777.8	4933.1
55°	2390.6	2440.0	2645.2	2926.4	2934.0	3002.4	2975.8	2873.2	2869.4	3971.6	5499.4
57.5°	2956.8	2941.6	3021.5	3150.7	3173.5	3177.3	3192.5	3101.3	3127.9	4070.4	5484.2
60°	3348.3	3306.5	3222.9	3283.7	3310.3	3352.1	3405.3	3302.7	3333.1	4157.8	5244.8
62.5°	3717.0	3652.3	3329.3	3317.9	3359.7	3443.3	3519.3	3439.5	3466.1	4188.2	5077.6
65°	3663.7	3606.7	3363.5	3230.5	3291.3	3405.3	3511.7	3473.7	3466.1	4123.6	4872.3
67.5°	3158.3	3162.1	3135.5	3135.5	3112.7	3276.1	3447.1	3450.9	3412.9	3960.2	4564.5
70°	2713.6	2698.4	2740.2	2899.8	2922.6	3116.5	3344.5	3382.5	3333.1	3777.8	4268.0
72.5°	2310.7	2299.3	2306.9	2440.0	2630.0	2842.8	3101.3	3192.5	3120.3	3450.9	3907.0
75°	1911.7	1900.3	1896.5	1942.1	2094.1	2360.2	2656.6	2820.0	2759.2	2975.8	3378.7
77.5°	1451.8	1429.0	1429.0	1444.2	1558.2	1797.7	2082.7	2310.7	2280.3	2398.2	2725.0
80°	965.3	969.1	961.5	957.7	1033.8	1174.4	1383.4	1657.0	1641.8	1641.8	1809.1
82.5°	611.9	611.9	623.3	585.3	577.7	592.9	642.3	752.5	760.1	832.3	889.3
85°	391.5	395.3	395.3	357.3	345.9	357.3	391.5	425.7	440.9	513.1	577.7
87.5°	285.0	285.0	277.4	269.8	273.6	285.0	311.6	342.1	368.7	425.7	482.7
90°	216.6	216.6	212.8	209.0	216.6	231.8	266.0	300.2	334.5	399.1	452.3
92.5°	178.6	178.6	174.8	174.8	178.6	190.0	220.4	258.4	292.6	345.9	395.3
95°	148.2	152.0	148.2	152.0	155.8	163.4	182.4	212.8	235.6	269.8	304.0
97.5°	117.8	121.6	121.6	121.6	125.4	136.8	148.2	167.2	182.4	197.6	220.4
100°	87.4	91.2	91.2	91.2	95.0	106.4	117.8	125.4	129.2	133.0	144.4
102.5°	64.6	68.4	68.4	68.4	68.4	76.0	79.8	83.6	83.6	83.6	87.4
105°	45.6	45.6	45.6	45.6	45.6	45.6	49.4	49.4	49.4	49.4	49.4
107.5°	34.2	34.2	34.2	34.2	34.2	34.2	38.0	38.0	38.0	38.0	38.0
110°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	34.2	30.4	30.4	34.2

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CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.6	26.6	26.6	26.6	26.6	26.6	30.4	30.4	26.6	26.6	26.6
115°	22.8	22.8	22.8	22.8	22.8	22.8	26.6	26.6	22.8	22.8	22.8
117.5°	19.0	19.0	19.0	19.0	19.0	19.0	22.8	22.8	19.0	22.8	22.8
120°	19.0	22.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	22.8
122.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	19.0	19.0
125°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
127.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.2	15.2
130°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7	1873.7
2.5°	1881.3	1888.9	1904.1	1919.3	1934.5	1949.7	1957.3	1961.1	1964.9	1957.3	1961.1
5°	1926.9	1934.5	1957.3	1980.1	1976.3	1964.9	1949.7	1949.7	1953.5	1953.5	1961.1
7.5°	1949.7	1961.1	1953.5	1957.3	1964.9	1953.5	1938.3	1919.3	1896.5	1896.5	1900.3
10°	1945.9	1934.5	1945.9	1934.5	1907.9	1904.1	1896.5	1869.9	1854.7	1858.5	1858.5
12.5°	1945.9	1942.1	1919.3	1907.9	1885.1	1843.3	1824.3	1831.9	1812.9	1816.7	1809.1
15°	1976.3	1949.7	1919.3	1881.3	1831.9	1809.1	1782.5	1740.7	1736.9	1736.9	1736.9
17.5°	1995.3	1976.3	1907.9	1831.9	1797.7	1740.7	1710.3	1698.9	1668.4	1679.9	1687.5
20°	2040.9	1995.3	1896.5	1816.7	1698.9	1664.6	1615.2	1603.8	1588.6	1543.0	1527.8
22.5°	2078.9	2037.1	1885.1	1744.5	1645.6	1565.8	1489.8	1436.6	1410.0	1391.0	1375.8
25°	2162.5	2097.9	1896.5	1710.3	1558.2	1455.6	1387.2	1292.2	1227.6	1220.0	1227.6
27.5°	2272.7	2170.1	1923.1	1664.6	1489.8	1330.2	1193.4	1128.8	1060.4	1037.6	1041.4
30°	2413.4	2276.5	1919.3	1622.8	1368.2	1185.8	1011.0	900.7	847.5	824.7	820.9
32.5°	2614.8	2424.8	2006.7	1569.6	1258.0	984.3	794.3	657.5	630.9	627.1	623.3
35°	2812.4	2664.2	2048.5	1489.8	1098.4	790.5	600.5	516.9	513.1	509.3	505.5
37.5°	3074.7	2899.8	2166.3	1440.4	946.3	596.7	482.7	421.9	410.5	391.5	399.1
40°	2956.8	2812.4	2200.5	1364.4	733.5	440.9	361.1	311.6	304.0	307.8	304.0
42.5°	2489.4	2383.0	1919.3	1174.4	505.5	323.0	269.8	277.4	292.6	304.0	304.0
45°	2413.4	2204.3	1383.4	832.3	326.8	269.8	262.2	273.6	300.2	326.8	330.6
47.5°	2915.0	2649.0	1212.4	642.3	376.3	307.8	281.2	281.2	296.4	300.2	296.4
50°	4131.2	3728.4	1417.6	737.3	467.5	372.5	323.0	304.0	311.6	319.2	315.4
52.5°	5009.2	4503.7	1615.2	881.7	585.3	444.7	380.1	334.5	326.8	326.8	323.0
55°	5522.2	4948.3	1847.1	1087.0	733.5	535.9	440.9	387.7	368.7	353.5	353.5
57.5°	5548.8	4963.5	2090.3	1288.4	915.9	668.9	524.5	452.3	437.1	402.9	395.3
60°	5362.6	4898.9	2276.5	1489.8	1090.8	855.1	668.9	562.5	543.5	524.5	513.1
62.5°	5191.6	4792.5	2367.8	1657.0	1277.0	1064.2	851.3	703.1	642.3	665.1	680.3
65°	4971.1	4674.7	2306.9	1672.3	1360.6	1189.6	984.3	767.7	665.1	714.5	741.1
67.5°	4632.9	4366.9	2154.9	1535.4	1269.4	1113.6	923.5	722.1	642.3	661.3	661.3
70°	4290.8	4005.8	2006.7	1429.0	1144.0	980.5	801.9	646.1	634.7	623.3	623.3
72.5°	3888.0	3549.7	1812.9	1364.4	1094.6	953.9	779.1	649.9	680.3	695.5	695.5
75°	3378.7	3002.4	1607.6	1307.4	1071.8	972.9	782.9	699.3	752.5	760.1	760.1
77.5°	2766.8	2356.4	1368.2	1204.8	1007.2	934.9	729.7	687.9	741.1	752.5	756.3
80°	1904.1	1668.4	1147.8	1049.0	900.7	839.9	672.7	668.9	722.1	748.7	752.5
82.5°	965.3	950.1	836.1	824.7	767.7	733.5	623.3	649.9	706.9	744.9	748.7
85°	596.7	619.5	558.7	551.1	570.1	585.3	566.3	619.5	661.3	703.1	710.7
87.5°	497.9	524.5	467.5	444.7	452.3	478.9	501.7	558.7	596.7	630.9	634.7
90°	467.5	490.3	399.1	380.1	395.3	414.3	429.5	459.9	490.3	509.3	509.3
92.5°	410.5	418.1	330.6	315.4	338.3	349.7	345.9	353.5	353.5	315.4	315.4
95°	315.4	315.4	250.8	250.8	269.8	273.6	247.0	224.2	209.0	125.4	106.4
97.5°	228.0	224.2	182.4	182.4	197.6	193.8	163.4	136.8	114.0	72.2	76.0
100°	152.0	148.2	121.6	129.2	136.8	121.6	102.6	83.6	68.4	45.6	53.2
102.5°	91.2	87.4	79.8	83.6	79.8	76.0	60.8	49.4	41.8	26.6	30.4
105°	53.2	49.4	49.4	49.4	49.4	45.6	41.8	30.4	22.8	15.2	15.2
107.5°	38.0	38.0	38.0	34.2	34.2	30.4	26.6	22.8	15.2	11.4	7.6
110°	34.2	30.4	30.4	30.4	26.6	26.6	22.8	19.0	11.4	7.6	7.6

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.6	26.6	26.6	22.8	22.8	19.0	15.2	15.2	11.4	3.8	3.8
115°	22.8	22.8	19.0	19.0	15.2	15.2	11.4	11.4	7.6	3.8	3.8
117.5°	22.8	22.8	15.2	15.2	11.4	11.4	11.4	7.6	3.8	3.8	3.8
120°	22.8	19.0	15.2	11.4	11.4	11.4	7.6	7.6	3.8	0.0	3.8
122.5°	19.0	19.0	11.4	11.4	7.6	7.6	7.6	3.8	3.8	0.0	0.0
125°	15.2	15.2	11.4	7.6	7.6	7.6	7.6	3.8	3.8	0.0	0.0
127.5°	15.2	15.2	11.4	7.6	7.6	7.6	7.6	3.8	3.8	0.0	0.0
130°	11.4	11.4	7.6	7.6	7.6	7.6	3.8	3.8	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	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)