

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: P691975

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9918 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - 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

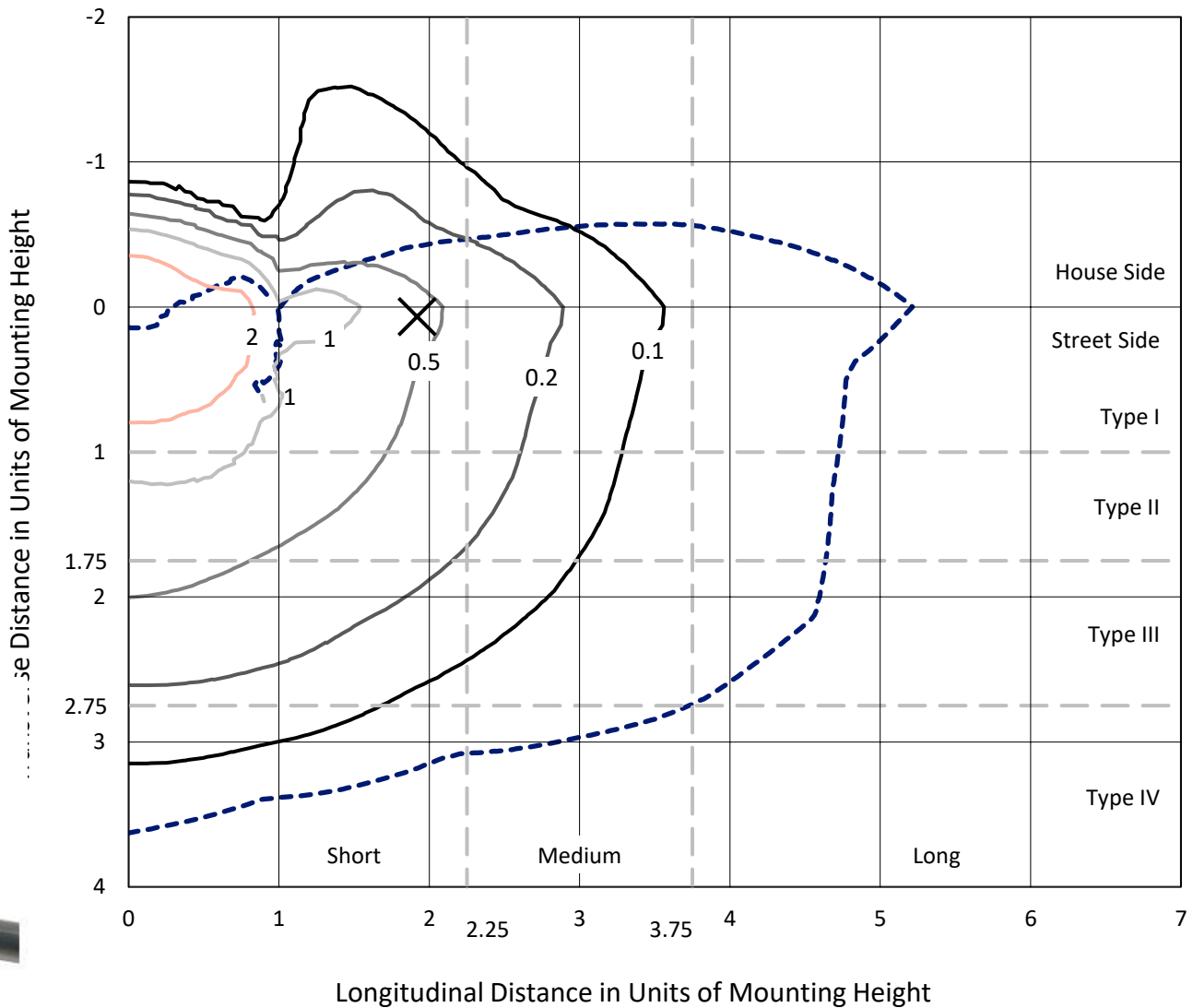


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

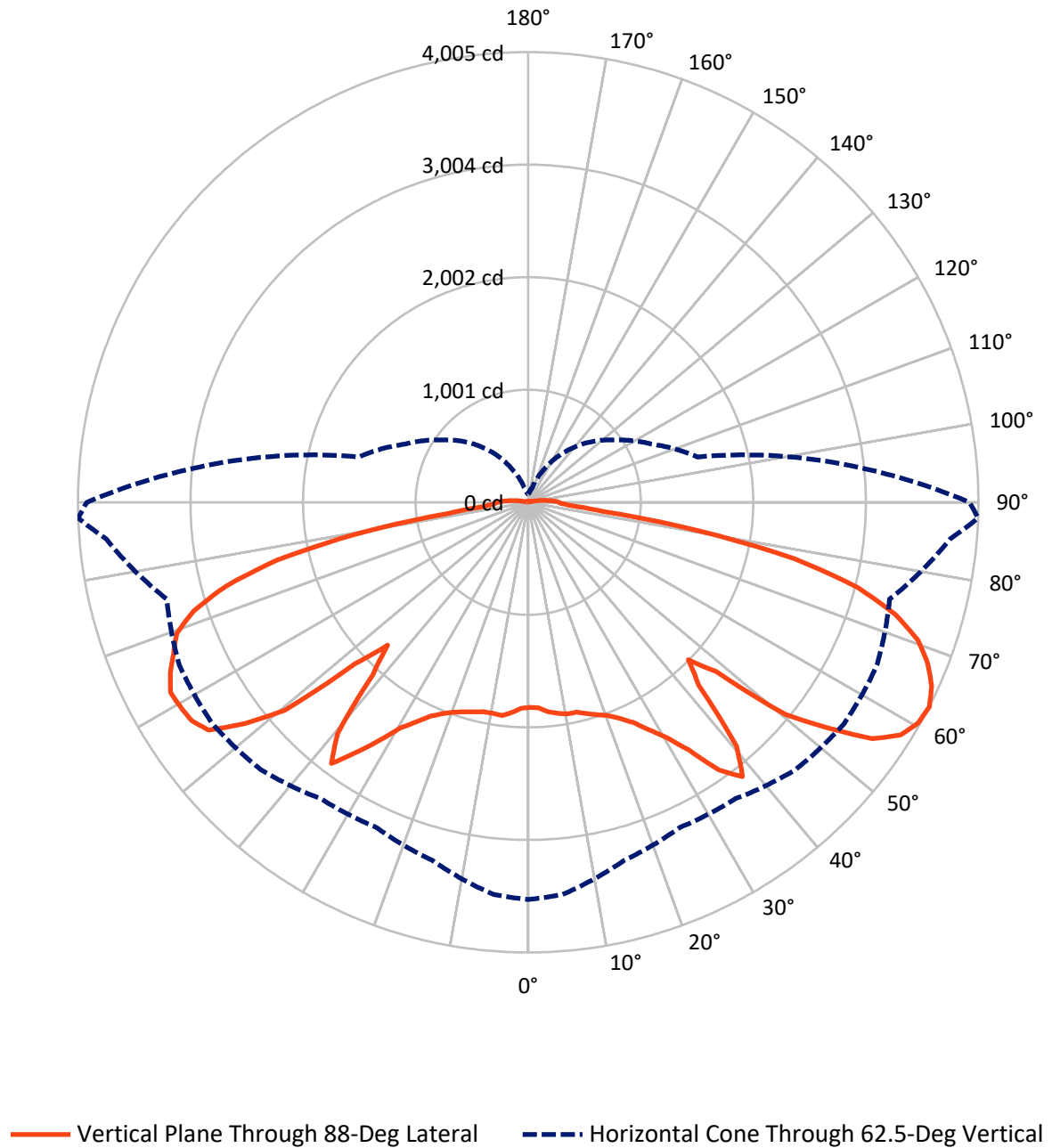


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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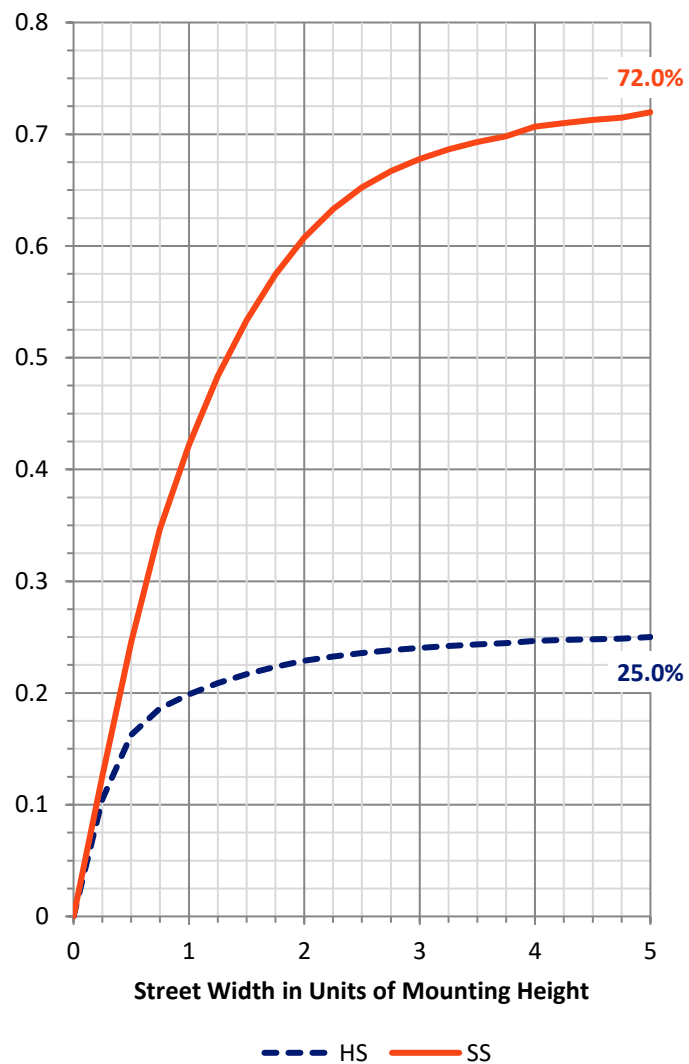
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2523.2	47.6	2570.8
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	7230.0	117.3	7347.2
	% Fixture	72.9	1.2	74.1
Total	Lumens	9753.2	164.8	9918.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	1.8
10°-20°	548.8	5.5
20°-30°	929.5	9.4
30°-40°	1283.2	12.9
40°-50°	1109.7	11.2
50°-60°	1606.7	16.2
60°-70°	2103.1	21.2
70°-80°	1594.6	16.1
80°-90°	397.8	4.0
90°-100°	117.0	1.2
100°-110°	27.1	0.3
110°-120°	12.1	0.1
120°-130°	7.8	0.1
130°-140°	0.7	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°	9753.2	98.3
0°-180°	9918.0	100.0

Coefficient of Utilization



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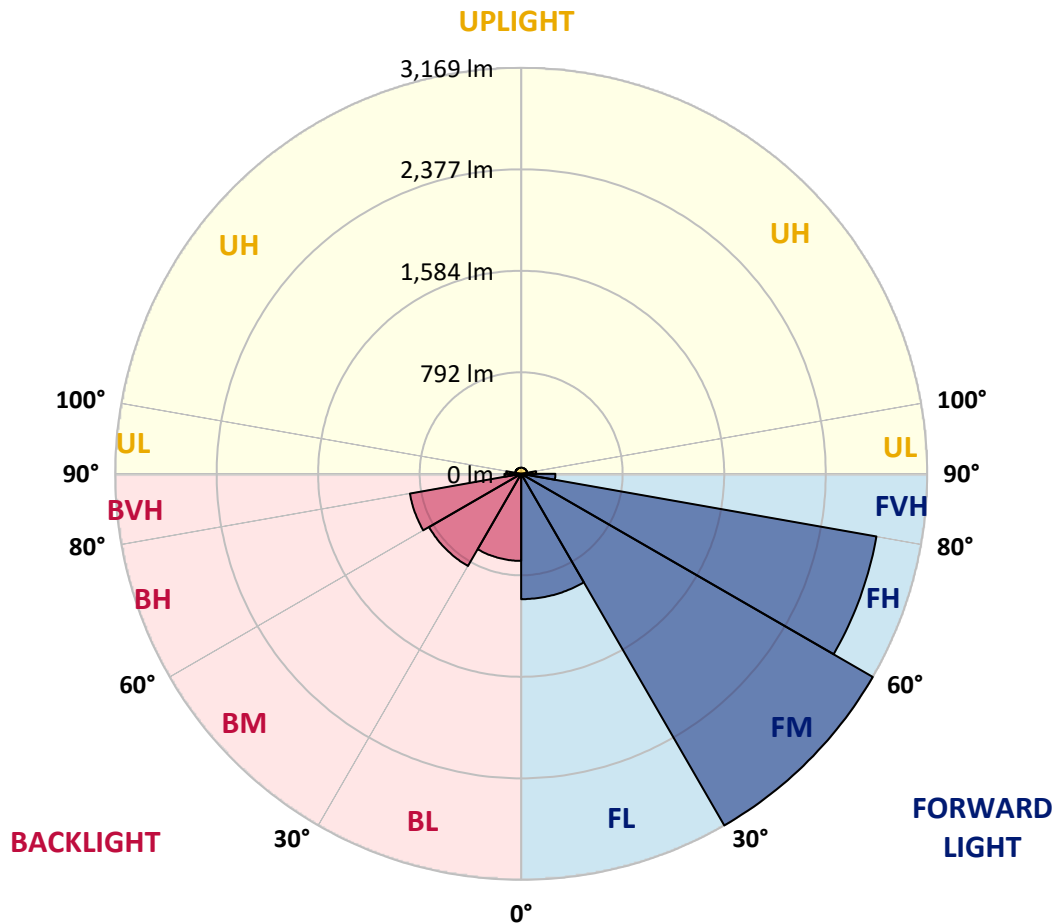
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	978.5	9.9			
FM	(30°-60°)	3168.8	31.9			
FH	(60°-80°)	2815.5	28.4			G2/5000
FVH	(80°-90°)	267.2	2.7			G3/500
BL	(0°-30°)	679.6	6.9	B2/1000		
BM	(30°-60°)	830.8	8.4	B1/1000		
BH	(60°-80°)	882.2	8.9	B2/1000		G2/1000
BVH	(80°-90°)	130.6	1.3			G2/225
UL	(90°-100°)	117.0	1.2		U3/500	
UH	(100°-180°)	47.8	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9
2.5°	1804.9	1804.9	1801.1	1804.9	1812.5	1820.1	1812.5	1816.3	1820.1	1827.7	1831.5
5°	1873.3	1869.5	1861.9	1854.3	1846.7	1846.7	1839.1	1835.3	1842.9	1865.7	1873.3
7.5°	1930.3	1918.9	1911.3	1915.1	1903.7	1884.7	1869.5	1861.9	1854.3	1884.7	1896.1
10°	2021.5	2013.9	1987.3	1964.5	1949.3	1918.9	1884.7	1880.9	1877.1	1907.5	1915.1
12.5°	2112.7	2105.1	2089.9	2067.1	2017.7	1991.1	1937.9	1915.1	1911.3	1930.3	1915.1
15°	2245.7	2230.5	2188.7	2165.9	2116.5	2074.7	2010.1	1975.9	1983.5	1956.9	1949.3
17.5°	2321.7	2314.1	2310.3	2276.1	2238.1	2165.9	2105.1	2055.7	2070.9	2010.1	1987.3
20°	2405.2	2401.4	2409.0	2412.8	2363.4	2298.9	2222.9	2146.9	2150.7	2070.9	2025.3
22.5°	2511.6	2500.2	2515.4	2534.4	2492.6	2439.4	2340.6	2279.9	2249.5	2143.1	2089.9
25°	2637.0	2633.2	2633.2	2667.4	2659.8	2587.6	2492.6	2424.2	2393.8	2249.5	2169.7
27.5°	2766.2	2770.0	2777.6	2800.4	2811.8	2770.0	2678.8	2618.0	2561.0	2371.0	2291.3
30°	2849.8	2849.8	2903.0	2937.2	2952.4	2952.4	2842.2	2796.6	2739.6	2526.8	2428.0
32.5°	2952.4	2960.0	3009.4	3066.4	3089.2	3119.6	3028.4	2994.2	2944.8	2720.6	2629.4
35°	3024.6	3036.0	3112.0	3199.4	3260.2	3275.4	3222.2	3237.4	3214.6	2975.2	2925.8
37.5°	2709.2	2739.6	2853.6	3024.6	3188.0	3347.6	3404.6	3480.6	3492.0	3214.6	3096.8
40°	2359.6	2371.0	2500.2	2625.6	2827.0	2956.2	3100.6	3267.8	3176.6	2876.4	2853.6
42.5°	2093.7	2143.1	2321.7	2416.6	2572.4	2602.8	2530.6	2424.2	2260.9	2234.3	2222.9
45°	2048.1	2097.5	2276.1	2431.8	2507.8	2135.5	1934.1	1793.5	1858.1	2017.7	1998.7
47.5°	2260.9	2321.7	2507.8	2686.4	2530.6	2116.5	1983.5	1979.7	1926.5	2200.1	2249.5
50°	2390.0	2439.4	2656.0	2652.2	2526.8	2325.5	2397.6	2317.9	2222.9	2690.2	2967.6
52.5°	2454.6	2500.2	2576.2	2671.2	2682.6	2667.4	2686.4	2621.8	2477.4	3123.4	3332.4
55°	2276.1	2390.0	2720.6	2884.0	2952.4	2910.6	2922.0	2876.4	2781.4	3393.2	3712.4
57.5°	2849.8	2910.6	3032.2	3074.0	3115.8	3096.8	3112.0	3096.8	3009.4	3594.6	3906.1
60°	3180.4	3180.4	3233.6	3165.2	3188.0	3252.6	3298.2	3298.2	3207.0	3742.8	3985.9
62.5°	3533.8	3503.4	3298.2	3191.8	3218.4	3362.8	3431.2	3423.6	3328.6	3765.6	4004.9
65°	3465.4	3412.2	3340.0	3108.2	3138.6	3340.0	3435.0	3431.2	3332.4	3682.0	3944.1
67.5°	2956.2	3005.6	3093.0	3074.0	2998.0	3229.8	3378.0	3385.6	3271.6	3541.4	3834.0
70°	2561.0	2591.4	2644.6	2804.2	2838.4	3077.8	3313.4	3347.6	3195.6	3378.0	3678.2
72.5°	2230.5	2249.5	2207.7	2371.0	2492.6	2808.0	3085.4	3150.0	2994.2	3096.8	3416.0
75°	1907.5	1865.7	1816.3	1888.5	1983.5	2317.9	2656.0	2785.2	2648.4	2713.0	3028.4
77.5°	1481.9	1421.1	1371.7	1390.7	1478.1	1766.9	2093.7	2298.9	2177.3	2173.5	2424.2
80°	1010.7	957.5	923.3	915.7	980.3	1158.9	1394.5	1637.7	1531.3	1428.7	1538.9
82.5°	630.8	630.8	600.4	554.8	551.0	585.2	630.8	691.6	653.6	638.4	672.6
85°	395.2	399.0	383.8	334.4	323.0	330.6	353.4	368.6	357.2	368.6	380.0
87.5°	277.4	273.6	254.6	247.0	243.2	254.6	273.6	281.2	281.2	292.6	292.6
90°	209.0	209.0	197.6	193.8	193.8	205.2	224.2	239.4	250.8	269.8	269.8
92.5°	174.8	174.8	167.2	163.4	163.4	167.2	182.4	201.4	212.8	231.8	224.2
95°	144.4	144.4	140.6	140.6	140.6	144.4	152.0	163.4	167.2	167.2	167.2
97.5°	114.0	110.2	106.4	106.4	106.4	110.2	114.0	125.4	129.2	117.8	117.8
100°	79.8	76.0	72.2	76.0	76.0	76.0	79.8	83.6	83.6	76.0	72.2
102.5°	49.4	49.4	49.4	49.4	45.6	45.6	45.6	45.6	41.8	38.0	38.0
105°	34.2	34.2	30.4	30.4	30.4	30.4	26.6	26.6	26.6	22.8	22.8
107.5°	26.6	26.6	26.6	26.6	26.6	22.8	22.8	22.8	22.8	19.0	19.0
110°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	19.0	19.0	15.2	15.2

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	22.8	22.8	22.8	22.8	22.8	19.0	19.0	19.0	19.0	15.2	15.2
115°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.2	15.2
117.5°	19.0	19.0	19.0	19.0	19.0	19.0	15.2	15.2	15.2	19.0	15.2
120°	19.0	19.0	19.0	19.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2
122.5°	19.0	19.0	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
125°	15.2	15.2	15.2	15.2	11.4	11.4	11.4	11.4	11.4	11.4	11.4
127.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
130°	11.4	11.4	11.4	11.4	11.4	11.4	7.6	7.6	7.6	7.6	7.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9	1823.9
2.5°	1831.5	1839.1	1854.3	1873.3	1888.5	1899.9	1907.5	1915.1	1915.1	1907.5	1915.1
5°	1873.3	1880.9	1907.5	1926.5	1926.5	1915.1	1907.5	1903.7	1911.3	1915.1	1922.7
7.5°	1907.5	1915.1	1903.7	1911.3	1918.9	1907.5	1892.3	1880.9	1869.5	1858.1	1865.7
10°	1911.3	1892.3	1892.3	1884.7	1858.1	1861.9	1858.1	1839.1	1823.9	1827.7	1831.5
12.5°	1907.5	1899.9	1869.5	1854.3	1842.9	1804.9	1789.7	1801.1	1778.3	1789.7	1774.5
15°	1941.7	1903.7	1873.3	1835.3	1793.5	1774.5	1747.9	1709.9	1694.7	1698.5	1702.3
17.5°	1964.5	1926.5	1854.3	1785.9	1763.1	1702.3	1671.9	1652.9	1626.3	1630.1	1645.3
20°	2002.5	1945.5	1842.9	1770.7	1660.5	1618.7	1580.7	1557.9	1535.1	1500.9	1485.7
22.5°	2055.7	1983.5	1827.7	1694.7	1599.7	1527.5	1443.9	1386.9	1356.5	1333.7	1329.9
25°	2124.1	2040.5	1831.5	1660.5	1508.5	1402.1	1329.9	1231.1	1158.9	1151.3	1162.7
27.5°	2249.5	2105.1	1854.3	1607.3	1432.5	1269.1	1136.1	1067.7	984.1	965.1	965.1
30°	2371.0	2207.7	1839.1	1561.7	1303.3	1120.9	942.3	813.1	767.6	733.4	729.6
32.5°	2595.2	2352.0	1918.9	1493.3	1185.5	900.5	703.0	562.4	532.0	520.6	516.8
35°	2800.4	2549.6	1926.5	1405.9	1010.7	699.2	505.4	410.4	391.4	380.0	376.2
37.5°	3020.8	2739.6	2002.5	1333.7	839.7	494.0	364.8	292.6	269.8	254.6	247.0
40°	2766.2	2511.6	1968.3	1212.1	623.2	315.4	228.0	159.6	136.8	136.8	136.8
42.5°	2165.9	1907.5	1489.5	980.3	364.8	182.4	114.0	110.2	114.0	117.8	117.8
45°	1918.9	1580.7	911.9	520.6	152.0	102.6	91.2	87.4	98.8	110.2	114.0
47.5°	2257.1	1880.9	703.0	364.8	163.4	102.6	83.6	83.6	79.8	72.2	72.2
50°	3051.2	2538.2	805.5	418.0	205.2	114.0	83.6	72.2	72.2	76.0	79.8
52.5°	3442.6	2827.0	949.9	543.4	300.2	155.8	91.2	72.2	64.6	53.2	53.2
55°	3780.8	3055.0	1124.7	703.0	440.8	243.2	129.2	76.0	64.6	53.2	49.4
57.5°	3890.9	3081.6	1310.9	885.3	600.4	380.0	224.2	106.4	68.4	57.0	53.2
60°	3906.1	3112.0	1451.5	1079.1	782.7	554.8	368.6	193.8	87.4	68.4	64.6
62.5°	3925.1	3119.6	1557.9	1219.7	965.1	752.4	532.0	307.8	133.0	79.8	76.0
65°	3856.8	3028.4	1531.3	1189.3	1018.3	832.1	611.8	361.0	152.0	91.2	87.4
67.5°	3742.8	2948.6	1421.1	1094.3	919.5	725.8	524.4	292.6	140.6	106.4	102.6
70°	3651.6	2868.8	1364.1	1086.7	851.1	634.6	421.8	212.8	167.2	144.4	136.8
72.5°	3427.4	2678.8	1318.5	1082.9	851.1	619.4	410.4	228.0	228.0	231.8	216.6
75°	3051.2	2393.8	1250.1	1052.5	832.1	615.6	395.2	247.0	247.0	220.4	209.0
77.5°	2519.2	1960.7	1105.7	961.3	756.2	543.4	323.0	205.2	197.6	171.0	163.4
80°	1668.1	1405.9	881.5	794.1	623.2	437.0	239.4	159.6	148.2	125.4	117.8
82.5°	748.6	672.6	558.6	562.4	448.4	311.6	163.4	110.2	102.6	83.6	79.8
85°	410.4	387.6	304.0	266.0	228.0	163.4	95.0	72.2	60.8	45.6	45.6
87.5°	311.6	300.2	224.2	174.8	133.0	95.0	60.8	45.6	34.2	22.8	19.0
90°	285.0	269.8	182.4	140.6	106.4	76.0	49.4	30.4	22.8	15.2	11.4
92.5°	239.4	228.0	148.2	117.8	91.2	68.4	41.8	22.8	15.2	7.6	7.6
95°	174.8	171.0	110.2	91.2	72.2	57.0	34.2	19.0	11.4	7.6	3.8
97.5°	117.8	114.0	79.8	68.4	57.0	41.8	26.6	15.2	7.6	3.8	3.8
100°	72.2	72.2	49.4	45.6	38.0	30.4	19.0	11.4	7.6	3.8	3.8
102.5°	38.0	34.2	26.6	26.6	22.8	19.0	15.2	7.6	3.8	0.0	0.0
105°	22.8	19.0	19.0	15.2	15.2	11.4	11.4	7.6	3.8	0.0	0.0
107.5°	19.0	15.2	15.2	11.4	11.4	7.6	7.6	3.8	3.8	0.0	0.0
110°	15.2	15.2	11.4	11.4	7.6	7.6	7.6	3.8	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	11.4	11.4	7.6	7.6	7.6	3.8	3.8	0.0	0.0	0.0
115°	15.2	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
117.5°	15.2	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
120°	15.2	11.4	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0
122.5°	15.2	11.4	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0
125°	11.4	7.6	7.6	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0
127.5°	11.4	7.6	7.6	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0
130°	7.6	7.6	7.6	3.8	3.8	3.8	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)