

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: P691784

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691784
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-C01H-5TLD-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9807.9 lumens
Efficiency: N/A
Efficacy: 130.9 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): 74.9
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

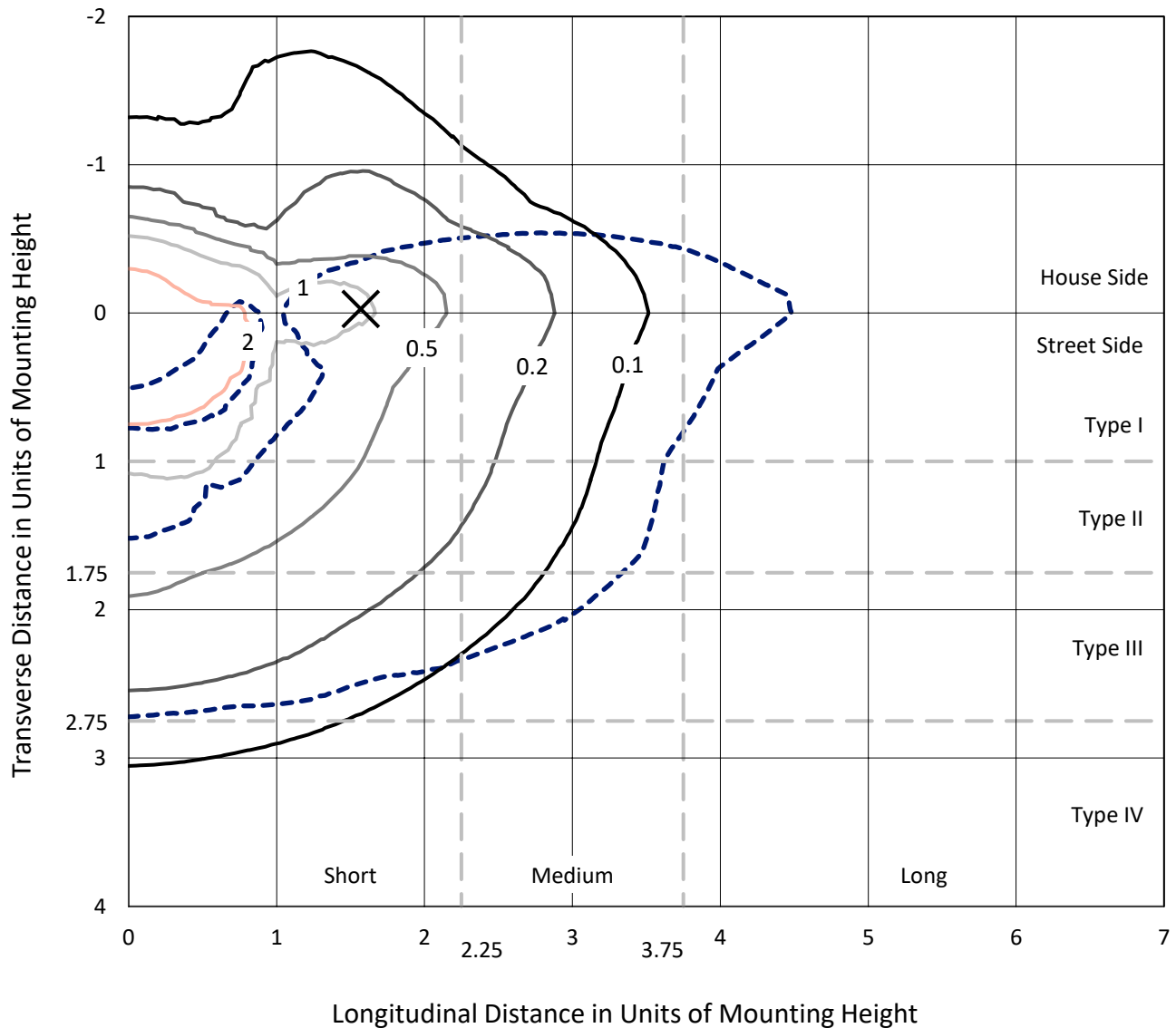


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

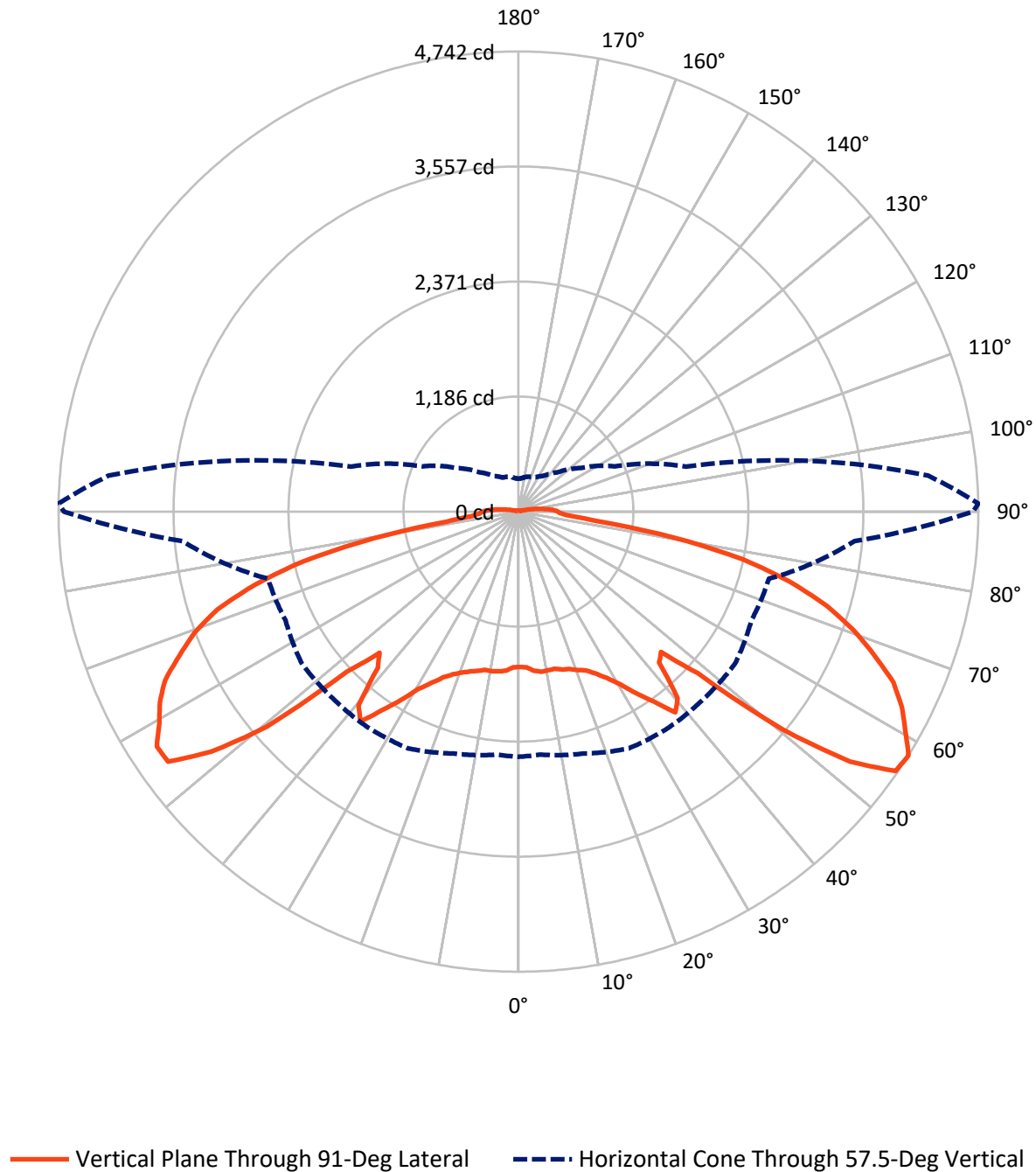


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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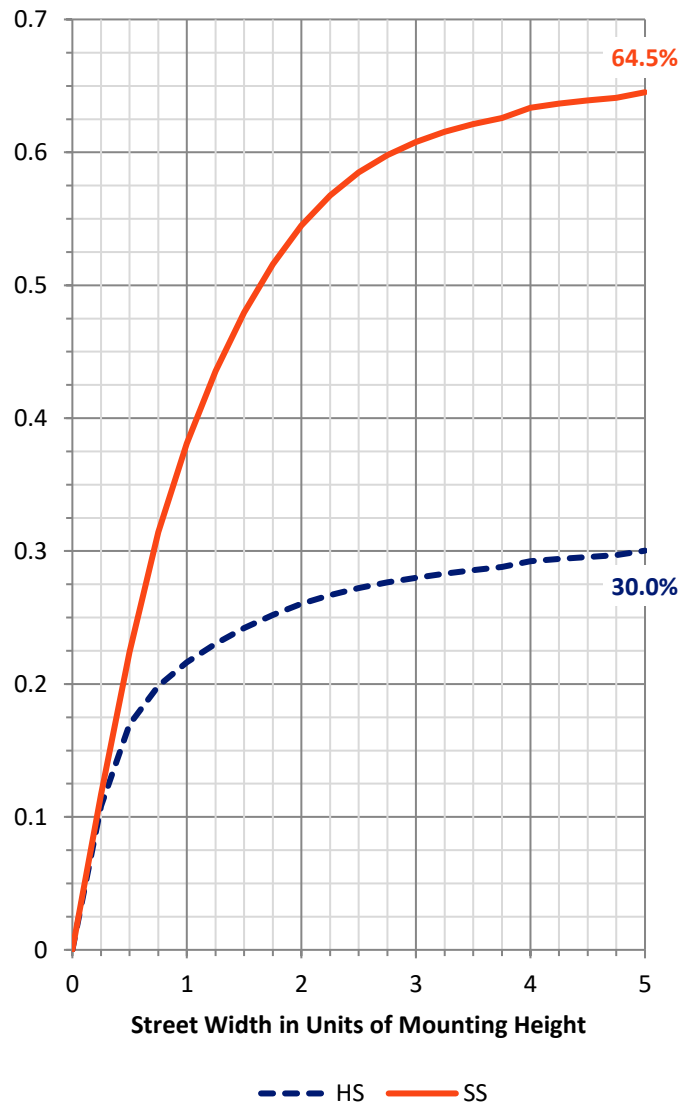
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3113.2	151.4	3264.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6413.8	129.5	6543.3
	% Fixture	65.4	1.3	66.7
Total	Lumens	9527.1	280.9	9807.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	1.6
10°-20°	476.7	4.9
20°-30°	810.4	8.3
30°-40°	1140.3	11.6
40°-50°	1082.9	11.0
50°-60°	1622.1	16.5
60°-70°	2099.1	21.4
70°-80°	1588.6	16.2
80°-90°	550.3	5.6
90°-100°	206.6	2.1
100°-110°	48.4	0.5
110°-120°	16.6	0.2
120°-130°	8.5	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°	9527.1	97.1
0°-180°	9807.9	100.0

Coefficient of Utilization



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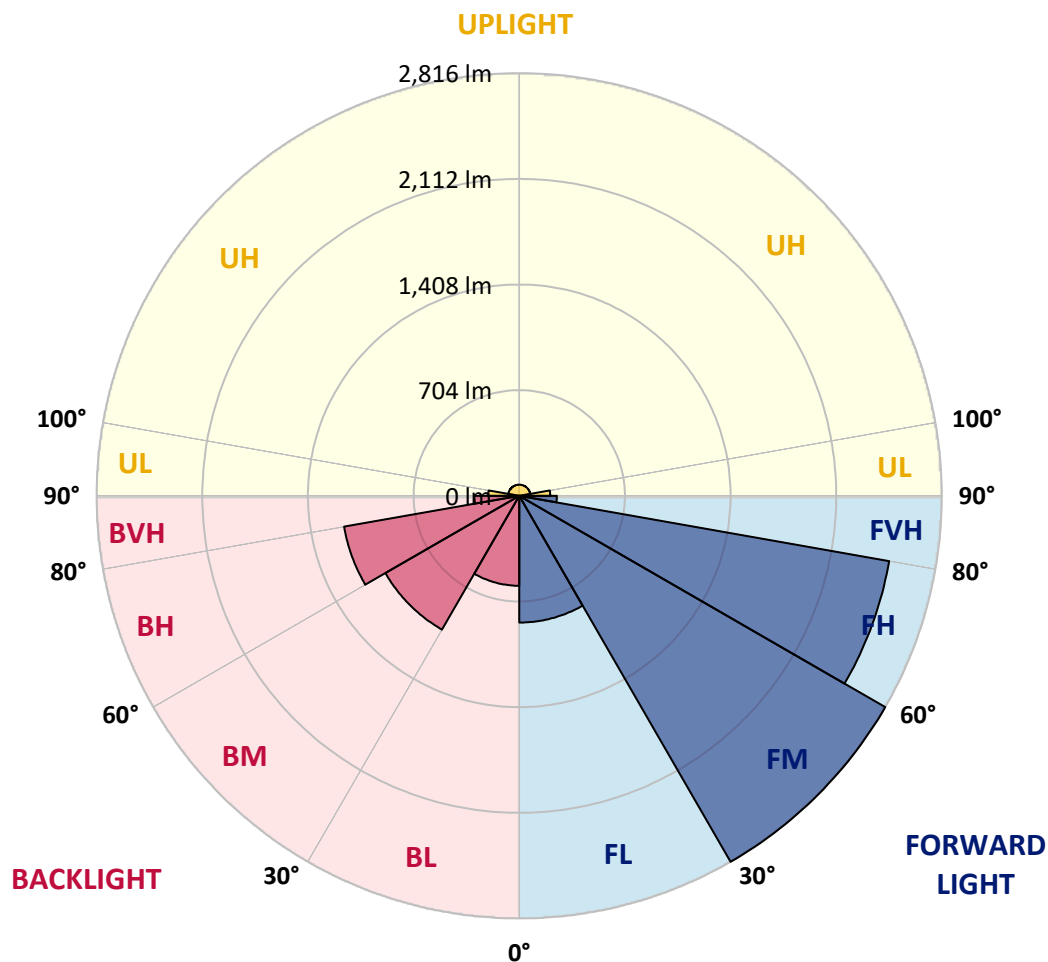
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	844.4	8.6			
FM	(30°-60°)	2815.7	28.7			
FH	(60°-80°)	2502.8	25.5			G2/5000
FVH	(80°-90°)	250.9	2.6			G3/500
BL	(0°-30°)	599.3	6.1	B2/1000		
BM	(30°-60°)	1029.7	10.5	B2/2500		
BH	(60°-80°)	1184.9	12.1	B3/2500		G3/2500
BVH	(80°-90°)	299.4	3.1			G3/500
UL	(90°-100°)	206.6	2.1		U3/500	
UH	(100°-180°)	74.3	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°	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3
2.5°	1572.1	1572.1	1572.1	1575.4	1585.1	1591.6	1594.9	1591.6	1594.9	1601.3	1607.8
5°	1617.6	1614.3	1611.1	1604.6	1601.3	1601.3	1604.6	1604.6	1611.1	1633.8	1646.8
7.5°	1659.8	1653.3	1650.1	1650.1	1646.8	1630.6	1627.3	1617.6	1614.3	1643.6	1663.1
10°	1737.8	1731.3	1711.8	1689.0	1682.6	1663.1	1633.8	1627.3	1630.6	1663.1	1669.6
12.5°	1809.2	1806.0	1793.0	1770.3	1737.8	1718.3	1676.1	1656.6	1659.8	1679.3	1666.3
15°	1929.4	1916.4	1877.4	1858.0	1825.5	1789.7	1734.5	1711.8	1718.3	1702.0	1695.5
17.5°	2000.9	1991.1	1991.1	1955.4	1932.7	1870.9	1819.0	1776.7	1793.0	1750.8	1715.0
20°	2065.8	2065.8	2069.1	2075.6	2033.4	1984.6	1913.2	1861.2	1864.4	1802.7	1750.8
22.5°	2166.5	2156.8	2166.5	2176.3	2147.0	2104.8	2017.1	1965.1	1942.4	1864.4	1796.2
25°	2270.5	2264.0	2264.0	2290.0	2299.7	2234.7	2153.5	2098.3	2065.8	1952.1	1861.2
27.5°	2374.4	2377.7	2387.4	2397.1	2413.4	2380.9	2299.7	2257.5	2215.3	2056.1	1965.1
30°	2458.9	2452.4	2494.6	2517.3	2533.6	2546.6	2455.6	2410.1	2364.7	2189.3	2082.1
32.5°	2553.1	2553.1	2592.0	2634.3	2657.0	2683.0	2608.3	2579.0	2530.3	2348.4	2277.0
35°	2631.0	2631.0	2689.5	2760.9	2803.2	2822.7	2783.7	2780.4	2770.7	2566.1	2462.1
37.5°	2367.9	2400.4	2491.3	2634.3	2796.7	2926.6	2936.3	3001.3	3033.8	2812.9	2679.7
40°	2065.8	2075.6	2182.8	2309.4	2462.1	2624.5	2780.4	2972.1	2949.3	2683.0	2566.1
42.5°	1861.2	1887.2	2023.6	2121.1	2221.7	2322.4	2322.4	2315.9	2153.5	2202.3	2156.8
45°	1841.7	1848.2	1961.9	2108.1	2147.0	2007.4	1812.5	1705.3	1718.3	1955.4	2062.6
47.5°	2043.1	2052.8	2169.8	2309.4	2169.8	1922.9	1731.3	1715.0	1705.3	2124.3	2488.1
50°	2150.3	2156.8	2267.2	2338.7	2121.1	2117.8	2121.1	2062.6	2010.6	2786.9	3569.7
52.5°	2215.3	2221.7	2215.3	2306.2	2231.5	2403.6	2345.2	2247.7	2208.8	3228.7	4216.1
55°	2043.1	2085.3	2260.7	2501.1	2507.6	2566.1	2543.3	2455.6	2452.4	3394.3	4700.1
57.5°	2527.1	2514.1	2582.3	2692.7	2712.2	2715.5	2728.5	2650.5	2673.2	3478.8	4687.1
60°	2861.6	2825.9	2754.4	2806.4	2829.2	2864.9	2910.4	2822.7	2848.6	3553.5	4482.5
62.5°	3176.7	3121.5	2845.4	2835.7	2871.4	2942.8	3007.8	2939.6	2962.3	3579.5	4339.6
65°	3131.2	3082.5	2874.6	2760.9	2812.9	2910.4	3001.3	2968.8	2962.3	3524.3	4164.2
67.5°	2699.2	2702.5	2679.7	2679.7	2660.3	2799.9	2946.1	2949.3	2916.9	3384.6	3901.1
70°	2319.2	2306.2	2341.9	2478.4	2497.8	2663.5	2858.4	2890.9	2848.6	3228.7	3647.7
72.5°	1974.9	1965.1	1971.6	2085.3	2247.7	2429.6	2650.5	2728.5	2666.7	2949.3	3339.1
75°	1633.8	1624.1	1620.8	1659.8	1789.7	2017.1	2270.5	2410.1	2358.2	2543.3	2887.6
77.5°	1240.8	1221.3	1221.3	1234.3	1331.7	1536.4	1780.0	1974.9	1948.9	2049.6	2328.9
80°	825.0	828.3	821.8	818.5	883.5	1003.7	1182.3	1416.2	1403.2	1403.2	1546.1
82.5°	523.0	523.0	532.7	500.2	493.7	506.7	548.9	643.1	649.6	711.3	760.1
85°	334.6	337.8	337.8	305.3	295.6	305.3	334.6	363.8	376.8	438.5	493.7
87.5°	243.6	243.6	237.1	230.6	233.9	243.6	266.3	292.3	315.1	363.8	412.5
90°	185.1	185.1	181.9	178.6	185.1	198.1	227.4	256.6	285.8	341.1	386.5
92.5°	152.7	152.7	149.4	149.4	152.7	162.4	188.4	220.9	250.1	295.6	337.8
95°	126.7	129.9	126.7	129.9	133.2	139.7	155.9	181.9	201.4	230.6	259.9
97.5°	100.7	103.9	103.9	103.9	107.2	116.9	126.7	142.9	155.9	168.9	188.4
100°	74.7	78.0	78.0	78.0	81.2	90.9	100.7	107.2	110.4	113.7	123.4
102.5°	55.2	58.5	58.5	58.5	58.5	65.0	68.2	71.5	71.5	71.5	74.7
105°	39.0	39.0	39.0	39.0	39.0	39.0	42.2	42.2	42.2	42.2	42.2
107.5°	29.2	29.2	29.2	29.2	29.2	29.2	32.5	32.5	32.5	32.5	32.5
110°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	29.2	26.0	26.0	29.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.7	22.7	22.7	22.7	22.7	22.7	26.0	26.0	22.7	22.7	22.7
115°	19.5	19.5	19.5	19.5	19.5	19.5	22.7	22.7	19.5	19.5	19.5
117.5°	16.2	16.2	16.2	16.2	16.2	16.2	19.5	19.5	16.2	19.5	19.5
120°	16.2	19.5	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	19.5
122.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	16.2	16.2
125°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	13.0	13.0
130°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
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°	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3	1601.3
2.5°	1607.8	1614.3	1627.3	1640.3	1653.3	1666.3	1672.8	1676.1	1679.3	1672.8	1676.1
5°	1646.8	1653.3	1672.8	1692.3	1689.0	1679.3	1666.3	1666.3	1669.6	1669.6	1676.1
7.5°	1666.3	1676.1	1669.6	1672.8	1679.3	1669.6	1656.6	1640.3	1620.8	1620.8	1624.1
10°	1663.1	1653.3	1663.1	1653.3	1630.6	1627.3	1620.8	1598.1	1585.1	1588.4	1588.4
12.5°	1663.1	1659.8	1640.3	1630.6	1611.1	1575.4	1559.1	1565.6	1549.4	1552.6	1546.1
15°	1689.0	1666.3	1640.3	1607.8	1565.6	1546.1	1523.4	1487.7	1484.4	1484.4	1484.4
17.5°	1705.3	1689.0	1630.6	1565.6	1536.4	1487.7	1461.7	1451.9	1425.9	1435.7	1442.2
20°	1744.3	1705.3	1620.8	1552.6	1451.9	1422.7	1380.5	1370.7	1357.7	1318.8	1305.8
22.5°	1776.7	1741.0	1611.1	1490.9	1406.5	1338.2	1273.3	1227.8	1205.1	1188.8	1175.8
25°	1848.2	1793.0	1620.8	1461.7	1331.7	1244.0	1185.6	1104.4	1049.2	1042.7	1049.2
27.5°	1942.4	1854.7	1643.6	1422.7	1273.3	1136.9	1019.9	964.7	906.2	886.8	890.0
30°	2062.6	1945.7	1640.3	1387.0	1169.3	1013.4	864.0	769.8	724.3	704.9	701.6
32.5°	2234.7	2072.3	1715.0	1341.5	1075.1	841.3	678.9	561.9	539.2	535.9	532.7
35°	2403.6	2277.0	1750.8	1273.3	938.7	675.6	513.2	441.8	438.5	435.3	432.0
37.5°	2627.8	2478.4	1851.5	1231.1	808.8	510.0	412.5	360.5	350.8	334.6	341.1
40°	2527.1	2403.6	1880.7	1166.1	626.9	376.8	308.6	266.3	259.9	263.1	259.9
42.5°	2127.6	2036.6	1640.3	1003.7	432.0	276.1	230.6	237.1	250.1	259.9	259.9
45°	2062.6	1883.9	1182.3	711.3	279.3	230.6	224.1	233.9	256.6	279.3	282.6
47.5°	2491.3	2264.0	1036.2	548.9	321.6	263.1	240.4	240.4	253.4	256.6	253.4
50°	3530.8	3186.5	1211.6	630.1	399.5	318.3	276.1	259.9	266.3	272.8	269.6
52.5°	4281.1	3849.1	1380.5	753.6	500.2	380.0	324.8	285.8	279.3	279.3	276.1
55°	4719.6	4229.1	1578.6	929.0	626.9	458.0	376.8	331.3	315.1	302.1	302.1
57.5°	4742.3	4242.1	1786.5	1101.1	782.8	571.7	448.2	386.5	373.5	344.3	337.8
60°	4583.2	4186.9	1945.7	1273.3	932.2	730.8	571.7	480.7	464.5	448.2	438.5
62.5°	4437.0	4095.9	2023.6	1416.2	1091.4	909.5	727.6	600.9	548.9	568.4	581.4
65°	4248.6	3995.2	1971.6	1429.2	1162.8	1016.7	841.3	656.1	568.4	610.7	633.4
67.5°	3959.5	3732.1	1841.7	1312.3	1084.9	951.7	789.3	617.2	548.9	565.2	565.2
70°	3667.2	3423.6	1715.0	1221.3	977.7	838.0	685.4	552.2	542.4	532.7	532.7
72.5°	3322.9	3033.8	1549.4	1166.1	935.5	815.3	665.9	555.4	581.4	594.4	594.4
75°	2887.6	2566.1	1374.0	1117.4	916.0	831.5	669.1	597.7	643.1	649.6	649.6
77.5°	2364.7	2013.9	1169.3	1029.7	860.8	799.0	623.6	587.9	633.4	643.1	646.4
80°	1627.3	1425.9	980.9	896.5	769.8	717.8	574.9	571.7	617.2	639.9	643.1
82.5°	825.0	812.0	714.6	704.9	656.1	626.9	532.7	555.4	604.2	636.6	639.9
85°	510.0	529.5	477.5	471.0	487.2	500.2	484.0	529.5	565.2	600.9	607.4
87.5°	425.5	448.2	399.5	380.0	386.5	409.3	428.8	477.5	510.0	539.2	542.4
90°	399.5	419.0	341.1	324.8	337.8	354.1	367.0	393.0	419.0	435.3	435.3
92.5°	350.8	357.3	282.6	269.6	289.1	298.8	295.6	302.1	302.1	269.6	269.6
95°	269.6	269.6	214.4	214.4	230.6	233.9	211.1	191.6	178.6	107.2	90.9
97.5°	194.9	191.6	155.9	155.9	168.9	165.7	139.7	116.9	97.4	61.7	65.0
100°	129.9	126.7	103.9	110.4	116.9	103.9	87.7	71.5	58.5	39.0	45.5
102.5°	78.0	74.7	68.2	71.5	68.2	65.0	52.0	42.2	35.7	22.7	26.0
105°	45.5	42.2	42.2	42.2	42.2	39.0	35.7	26.0	19.5	13.0	13.0
107.5°	32.5	32.5	32.5	29.2	29.2	26.0	22.7	19.5	13.0	9.7	6.5
110°	29.2	26.0	26.0	26.0	22.7	22.7	19.5	16.2	9.7	6.5	6.5



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.7	22.7	22.7	19.5	19.5	16.2	13.0	13.0	9.7	3.2	3.2
115°	19.5	19.5	16.2	16.2	13.0	13.0	9.7	9.7	6.5	3.2	3.2
117.5°	19.5	19.5	13.0	13.0	9.7	9.7	9.7	6.5	3.2	3.2	3.2
120°	19.5	16.2	13.0	9.7	9.7	9.7	6.5	6.5	3.2	0.0	3.2
122.5°	16.2	16.2	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0
125°	13.0	13.0	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0
127.5°	13.0	13.0	9.7	6.5	6.5	6.5	6.5	3.2	3.2	0.0	0.0
130°	9.7	9.7	6.5	6.5	6.5	6.5	3.2	3.2	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)