

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: P691875

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691875
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-C01H-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 8189 lumens
Efficiency: N/A
Efficacy: 116.7 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



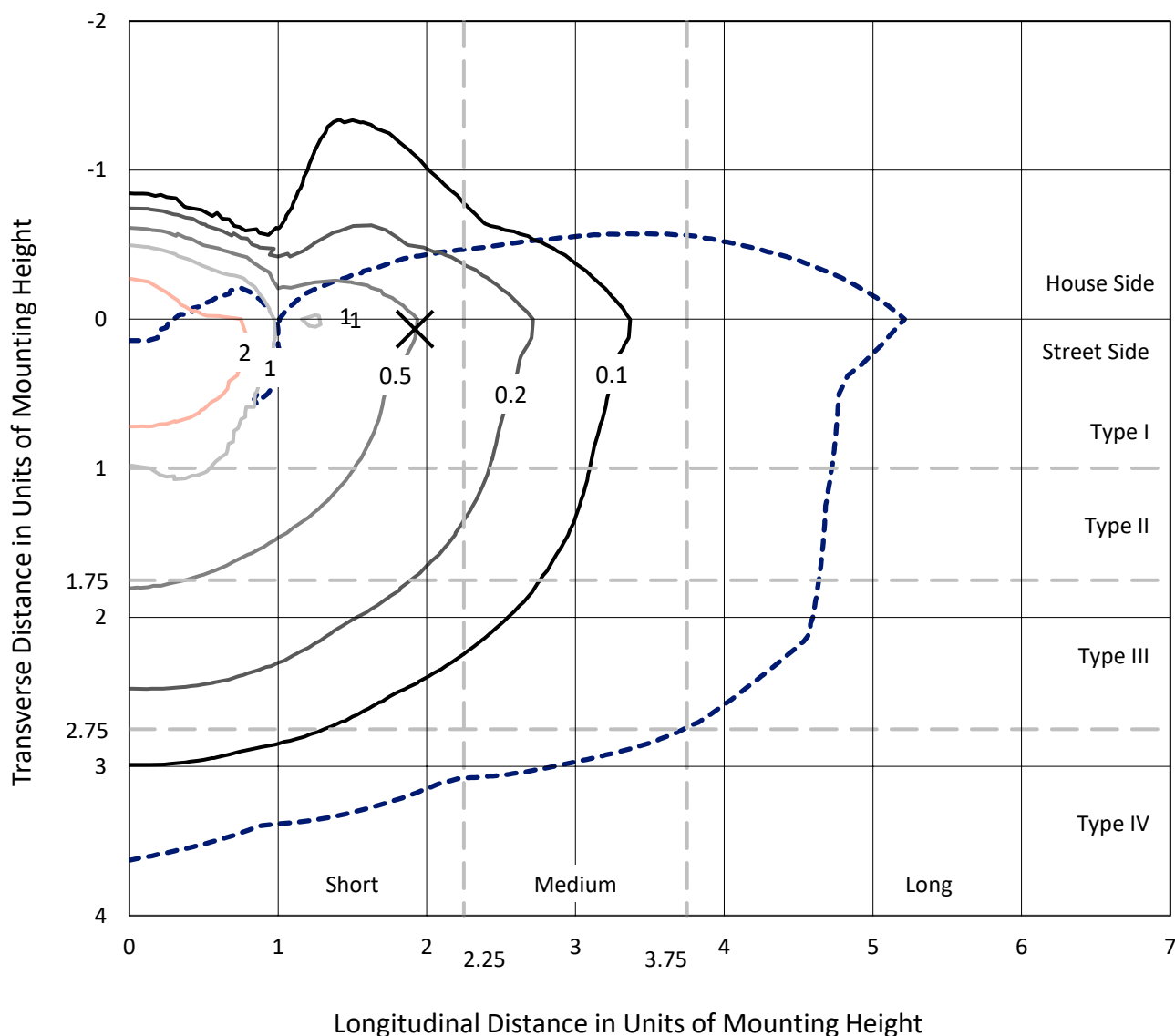
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

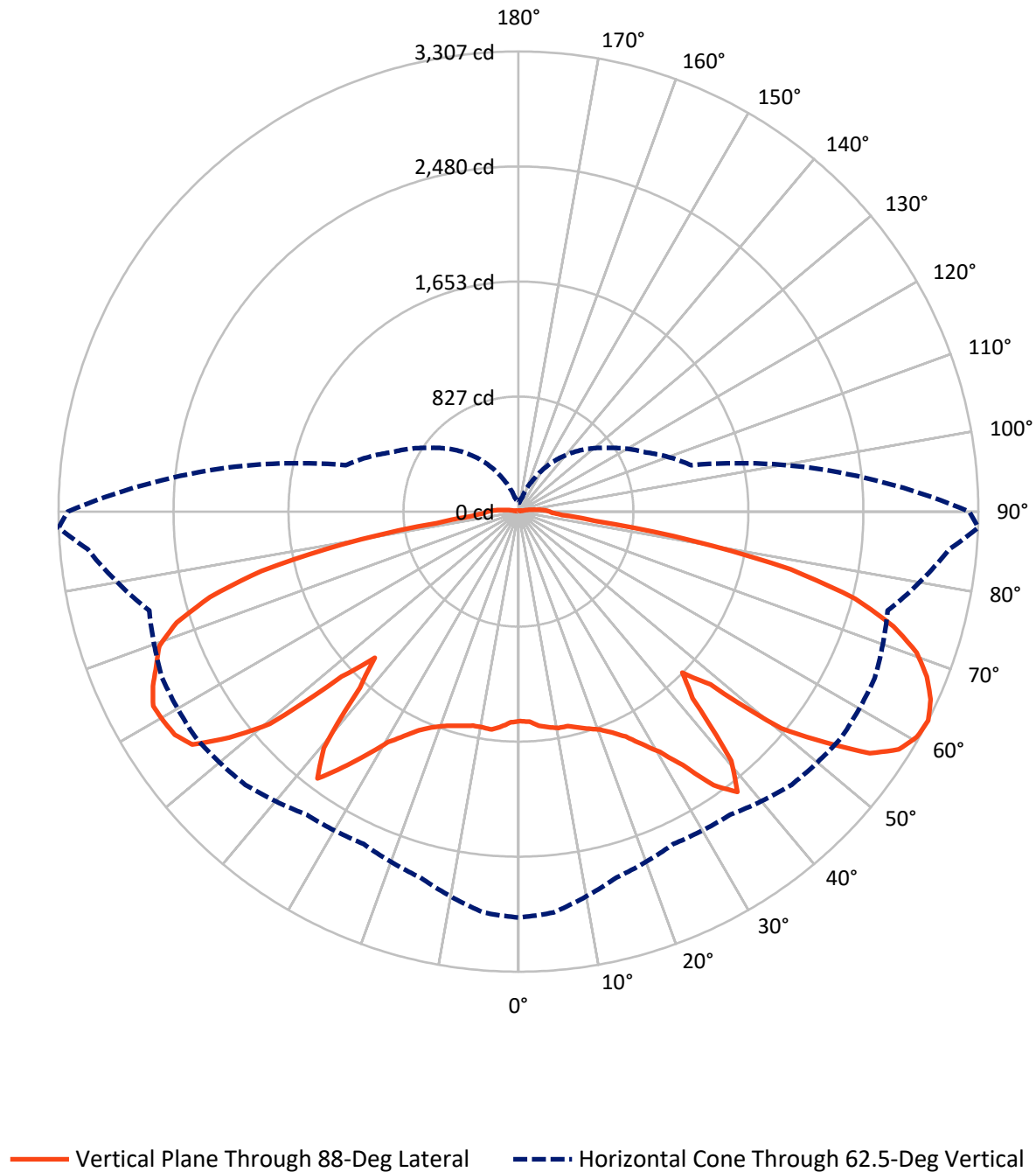


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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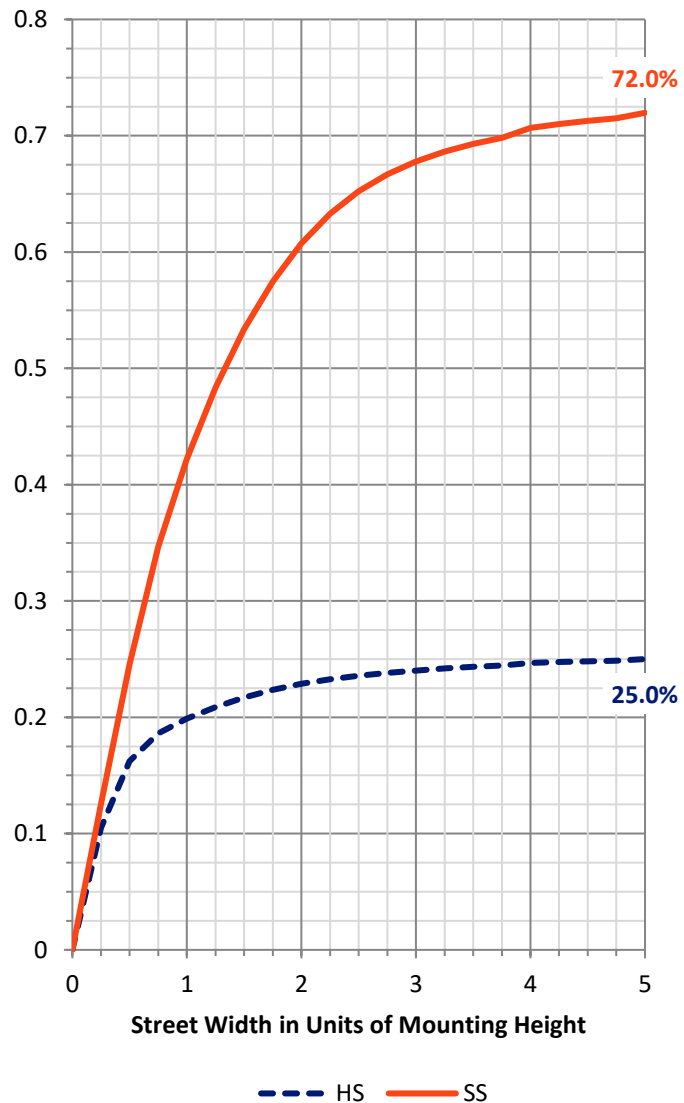
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2083.3	39.3	2122.6
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	5969.6	96.8	6066.4
	% Fixture	72.9	1.2	74.1
Total	Lumens	8052.9	136.0	8189.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	1.8
10°-20°	453.1	5.5
20°-30°	767.5	9.4
30°-40°	1059.5	12.9
40°-50°	916.3	11.2
50°-60°	1326.6	16.2
60°-70°	1736.5	21.2
70°-80°	1316.6	16.1
80°-90°	328.5	4.0
90°-100°	96.6	1.2
100°-110°	22.4	0.3
110°-120°	10.0	0.1
120°-130°	6.5	0.1
130°-140°	0.6	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°	8052.9	98.3
0°-180°	8189.0	100.0

Coefficient of Utilization



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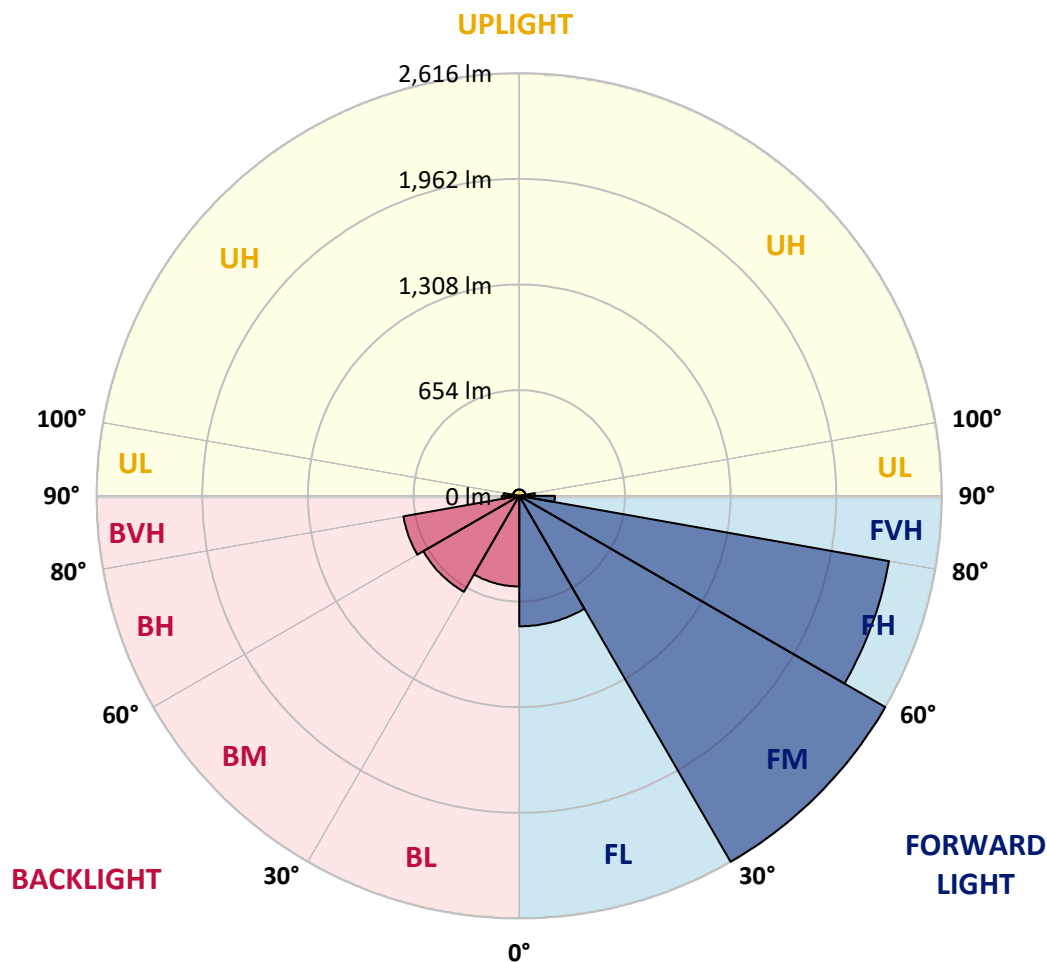
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	807.9	9.9			
FM	(30°-60°)	2616.4	31.9			
FH	(60°-80°)	2324.7	28.4			G2/5000
FVH	(80°-90°)	220.6	2.7			G2/225
BL	(0°-30°)	561.1	6.9	B2/1000		
BM	(30°-60°)	686.0	8.4	B1/1000		
BH	(60°-80°)	728.4	8.9	B2/1000		G2/1000
BVH	(80°-90°)	107.8	1.3			G2/225
UL	(90°-100°)	96.6	1.2		U3/500	
UH	(100°-180°)	39.4	0.5		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9
2.5°	1490.2	1490.2	1487.1	1490.2	1496.5	1502.8	1496.5	1499.7	1502.8	1509.1	1512.2
5°	1546.7	1543.6	1537.3	1531.0	1524.7	1524.7	1518.5	1515.3	1521.6	1540.4	1546.7
7.5°	1593.8	1584.4	1578.1	1581.2	1571.8	1556.1	1543.6	1537.3	1531.0	1556.1	1565.5
10°	1669.1	1662.8	1640.8	1622.0	1609.5	1584.4	1556.1	1553.0	1549.8	1574.9	1581.2
12.5°	1744.4	1738.1	1725.5	1706.7	1665.9	1644.0	1600.0	1581.2	1578.1	1593.8	1581.2
15°	1854.2	1841.6	1807.1	1788.3	1747.5	1713.0	1659.7	1631.4	1637.7	1615.7	1609.5
17.5°	1916.9	1910.6	1907.5	1879.3	1847.9	1788.3	1738.1	1697.3	1709.9	1659.7	1640.8
20°	1985.9	1982.8	1989.1	1992.2	1951.4	1898.1	1835.3	1772.6	1775.7	1709.9	1672.2
22.5°	2073.8	2064.4	2076.9	2092.6	2058.1	2014.2	1932.6	1882.4	1857.3	1769.5	1725.5
25°	2177.3	2174.2	2174.2	2202.4	2196.1	2136.5	2058.1	2001.6	1976.5	1857.3	1791.4
27.5°	2284.0	2287.1	2293.4	2312.2	2321.6	2287.1	2211.8	2161.6	2114.6	1957.7	1891.8
30°	2353.0	2353.0	2396.9	2425.2	2437.7	2437.7	2346.7	2309.1	2262.0	2086.3	2004.8
32.5°	2437.7	2444.0	2484.8	2531.8	2550.7	2575.8	2500.5	2472.2	2431.4	2246.3	2171.0
35°	2497.3	2506.7	2569.5	2641.6	2691.8	2704.4	2660.5	2673.0	2654.2	2456.5	2415.8
37.5°	2236.9	2262.0	2356.1	2497.3	2632.2	2764.0	2811.1	2873.8	2883.2	2654.2	2556.9
40°	1948.3	1957.7	2064.4	2167.9	2334.2	2440.9	2560.1	2698.1	2622.8	2375.0	2356.1
42.5°	1728.7	1769.5	1916.9	1995.4	2124.0	2149.1	2089.5	2001.6	1866.7	1844.8	1835.3
45°	1691.0	1731.8	1879.3	2007.9	2070.6	1763.2	1596.9	1480.8	1534.2	1665.9	1650.2
47.5°	1866.7	1916.9	2070.6	2218.1	2089.5	1747.5	1637.7	1634.6	1590.6	1816.5	1857.3
50°	1973.4	2014.2	2193.0	2189.9	2086.3	1920.1	1979.7	1913.8	1835.3	2221.2	2450.3
52.5°	2026.7	2064.4	2127.1	2205.6	2215.0	2202.4	2218.1	2164.8	2045.5	2578.9	2751.5
55°	1879.3	1973.4	2246.3	2381.2	2437.7	2403.2	2412.6	2375.0	2296.5	2801.6	3065.2
57.5°	2353.0	2403.2	2503.6	2538.1	2572.6	2556.9	2569.5	2556.9	2484.8	2967.9	3225.2
60°	2626.0	2626.0	2669.9	2613.4	2632.2	2685.6	2723.2	2723.2	2647.9	3090.3	3291.1
62.5°	2917.7	2892.6	2723.2	2635.4	2657.3	2776.6	2833.0	2826.7	2748.3	3109.1	3306.8
65°	2861.3	2817.3	2757.7	2566.3	2591.4	2757.7	2836.2	2833.0	2751.5	3040.1	3256.6
67.5°	2440.9	2481.6	2553.8	2538.1	2475.4	2666.7	2789.1	2795.4	2701.3	2924.0	3165.6
70°	2114.6	2139.7	2183.6	2315.4	2343.6	2541.2	2735.8	2764.0	2638.5	2789.1	3037.0
72.5°	1841.6	1857.3	1822.8	1957.7	2058.1	2318.5	2547.5	2600.9	2472.2	2556.9	2820.5
75°	1574.9	1540.4	1499.7	1559.3	1637.7	1913.8	2193.0	2299.7	2186.7	2240.1	2500.5
77.5°	1223.6	1173.4	1132.6	1148.3	1220.4	1458.9	1728.7	1898.1	1797.7	1794.6	2001.6
80°	834.5	790.6	762.4	756.1	809.4	956.9	1151.4	1352.2	1264.4	1179.6	1270.6
82.5°	520.8	520.8	495.7	458.1	454.9	483.2	520.8	571.0	539.6	527.1	555.3
85°	326.3	329.4	316.9	276.1	266.7	272.9	291.8	304.3	294.9	304.3	313.7
87.5°	229.0	225.9	210.2	203.9	200.8	210.2	225.9	232.2	232.2	241.6	241.6
90°	172.6	172.6	163.1	160.0	160.0	169.4	185.1	197.7	207.1	222.8	222.8
92.5°	144.3	144.3	138.0	134.9	134.9	138.0	150.6	166.3	175.7	191.4	185.1
95°	119.2	119.2	116.1	116.1	116.1	119.2	125.5	134.9	138.0	138.0	138.0
97.5°	94.1	91.0	87.8	87.8	87.8	91.0	94.1	103.5	106.7	97.3	97.3
100°	65.9	62.7	59.6	62.7	62.7	62.7	65.9	69.0	69.0	62.7	59.6
102.5°	40.8	40.8	40.8	40.8	37.6	37.6	37.6	37.6	34.5	31.4	31.4
105°	28.2	28.2	25.1	25.1	25.1	25.1	22.0	22.0	22.0	18.8	18.8
107.5°	22.0	22.0	22.0	22.0	22.0	18.8	18.8	18.8	18.8	15.7	15.7
110°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	15.7	15.7	12.5	12.5



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CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	18.8	18.8	18.8	18.8	18.8	15.7	15.7	15.7	15.7	12.5	12.5
115°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	12.5	12.5
117.5°	15.7	15.7	15.7	15.7	15.7	15.7	12.5	12.5	12.5	15.7	12.5
120°	15.7	15.7	15.7	15.7	12.5	12.5	12.5	12.5	12.5	12.5	12.5
122.5°	15.7	15.7	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
125°	12.5	12.5	12.5	12.5	9.4	9.4	9.4	9.4	9.4	9.4	9.4
127.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
130°	9.4	9.4	9.4	9.4	9.4	9.4	6.3	6.3	6.3	6.3	6.3
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°	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9	1505.9
2.5°	1512.2	1518.5	1531.0	1546.7	1559.3	1568.7	1574.9	1581.2	1581.2	1574.9	1581.2
5°	1546.7	1553.0	1574.9	1590.6	1590.6	1581.2	1574.9	1571.8	1578.1	1581.2	1587.5
7.5°	1574.9	1581.2	1571.8	1578.1	1584.4	1574.9	1562.4	1553.0	1543.6	1534.2	1540.4
10°	1578.1	1562.4	1562.4	1556.1	1534.2	1537.3	1534.2	1518.5	1505.9	1509.1	1512.2
12.5°	1574.9	1568.7	1543.6	1531.0	1521.6	1490.2	1477.7	1487.1	1468.3	1477.7	1465.1
15°	1603.2	1571.8	1546.7	1515.3	1480.8	1465.1	1443.2	1411.8	1399.3	1402.4	1405.5
17.5°	1622.0	1590.6	1531.0	1474.6	1455.7	1405.5	1380.4	1364.7	1342.8	1345.9	1358.5
20°	1653.4	1606.3	1521.6	1462.0	1371.0	1336.5	1305.1	1286.3	1267.5	1239.3	1226.7
22.5°	1697.3	1637.7	1509.1	1399.3	1320.8	1261.2	1192.2	1145.1	1120.0	1101.2	1098.1
25°	1753.8	1684.8	1512.2	1371.0	1245.5	1157.7	1098.1	1016.5	956.9	950.6	960.0
27.5°	1857.3	1738.1	1531.0	1327.1	1182.8	1047.9	938.1	881.6	812.6	796.9	796.9
30°	1957.7	1822.8	1518.5	1289.4	1076.1	925.5	778.1	671.4	633.7	605.5	602.4
32.5°	2142.8	1942.0	1584.4	1233.0	978.9	743.6	580.4	464.3	439.2	429.8	426.7
35°	2312.2	2105.2	1590.6	1160.8	834.5	577.3	417.3	338.8	323.1	313.7	310.6
37.5°	2494.2	2262.0	1653.4	1101.2	693.4	407.9	301.2	241.6	222.8	210.2	203.9
40°	2284.0	2073.8	1625.1	1000.8	514.5	260.4	188.2	131.8	112.9	112.9	112.9
42.5°	1788.3	1574.9	1229.8	809.4	301.2	150.6	94.1	91.0	94.1	97.3	97.3
45°	1584.4	1305.1	753.0	429.8	125.5	84.7	75.3	72.2	81.6	91.0	94.1
47.5°	1863.6	1553.0	580.4	301.2	134.9	84.7	69.0	69.0	65.9	59.6	59.6
50°	2519.3	2095.7	665.1	345.1	169.4	94.1	69.0	59.6	59.6	62.7	65.9
52.5°	2842.4	2334.2	784.3	448.6	247.9	128.6	75.3	59.6	53.3	43.9	43.9
55°	3121.7	2522.4	928.7	580.4	363.9	200.8	106.7	62.7	53.3	43.9	40.8
57.5°	3212.6	2544.4	1082.4	731.0	495.7	313.7	185.1	87.8	56.5	47.1	43.9
60°	3225.2	2569.5	1198.5	891.0	646.3	458.1	304.3	160.0	72.2	56.5	53.3
62.5°	3240.9	2575.8	1286.3	1007.1	796.9	621.2	439.2	254.1	109.8	65.9	62.7
65°	3184.4	2500.5	1264.4	982.0	840.8	687.1	505.1	298.0	125.5	75.3	72.2
67.5°	3090.3	2434.6	1173.4	903.6	759.2	599.2	433.0	241.6	116.1	87.8	84.7
70°	3015.0	2368.7	1126.3	897.3	702.8	523.9	348.2	175.7	138.0	119.2	112.9
72.5°	2829.9	2211.8	1088.7	894.1	702.8	511.4	338.8	188.2	188.2	191.4	178.8
75°	2519.3	1976.5	1032.2	869.0	687.1	508.2	326.3	203.9	203.9	182.0	172.6
77.5°	2080.1	1618.9	913.0	793.7	624.3	448.6	266.7	169.4	163.1	141.2	134.9
80°	1377.3	1160.8	727.9	655.7	514.5	360.8	197.7	131.8	122.4	103.5	97.3
82.5°	618.1	555.3	461.2	464.3	370.2	257.3	134.9	91.0	84.7	69.0	65.9
85°	338.8	320.0	251.0	219.6	188.2	134.9	78.4	59.6	50.2	37.6	37.6
87.5°	257.3	247.9	185.1	144.3	109.8	78.4	50.2	37.6	28.2	18.8	15.7
90°	235.3	222.8	150.6	116.1	87.8	62.7	40.8	25.1	18.8	12.5	9.4
92.5°	197.7	188.2	122.4	97.3	75.3	56.5	34.5	18.8	12.5	6.3	6.3
95°	144.3	141.2	91.0	75.3	59.6	47.1	28.2	15.7	9.4	6.3	3.1
97.5°	97.3	94.1	65.9	56.5	47.1	34.5	22.0	12.5	6.3	3.1	3.1
100°	59.6	59.6	40.8	37.6	31.4	25.1	15.7	9.4	6.3	3.1	3.1
102.5°	31.4	28.2	22.0	22.0	18.8	15.7	12.5	6.3	3.1	0.0	0.0
105°	18.8	15.7	15.7	12.5	12.5	9.4	9.4	6.3	3.1	0.0	0.0
107.5°	15.7	12.5	12.5	9.4	9.4	6.3	6.3	3.1	3.1	0.0	0.0
110°	12.5	12.5	9.4	9.4	6.3	6.3	6.3	3.1	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°	12.5	9.4	9.4	6.3	6.3	6.3	3.1	3.1	0.0	0.0	0.0
115°	12.5	9.4	6.3	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0
117.5°	12.5	9.4	6.3	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0
120°	12.5	9.4	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0
122.5°	12.5	9.4	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0
125°	9.4	6.3	6.3	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0
127.5°	9.4	6.3	6.3	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0
130°	6.3	6.3	6.3	3.1	3.1	3.1	3.1	3.1	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)