

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: P691843

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7903 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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

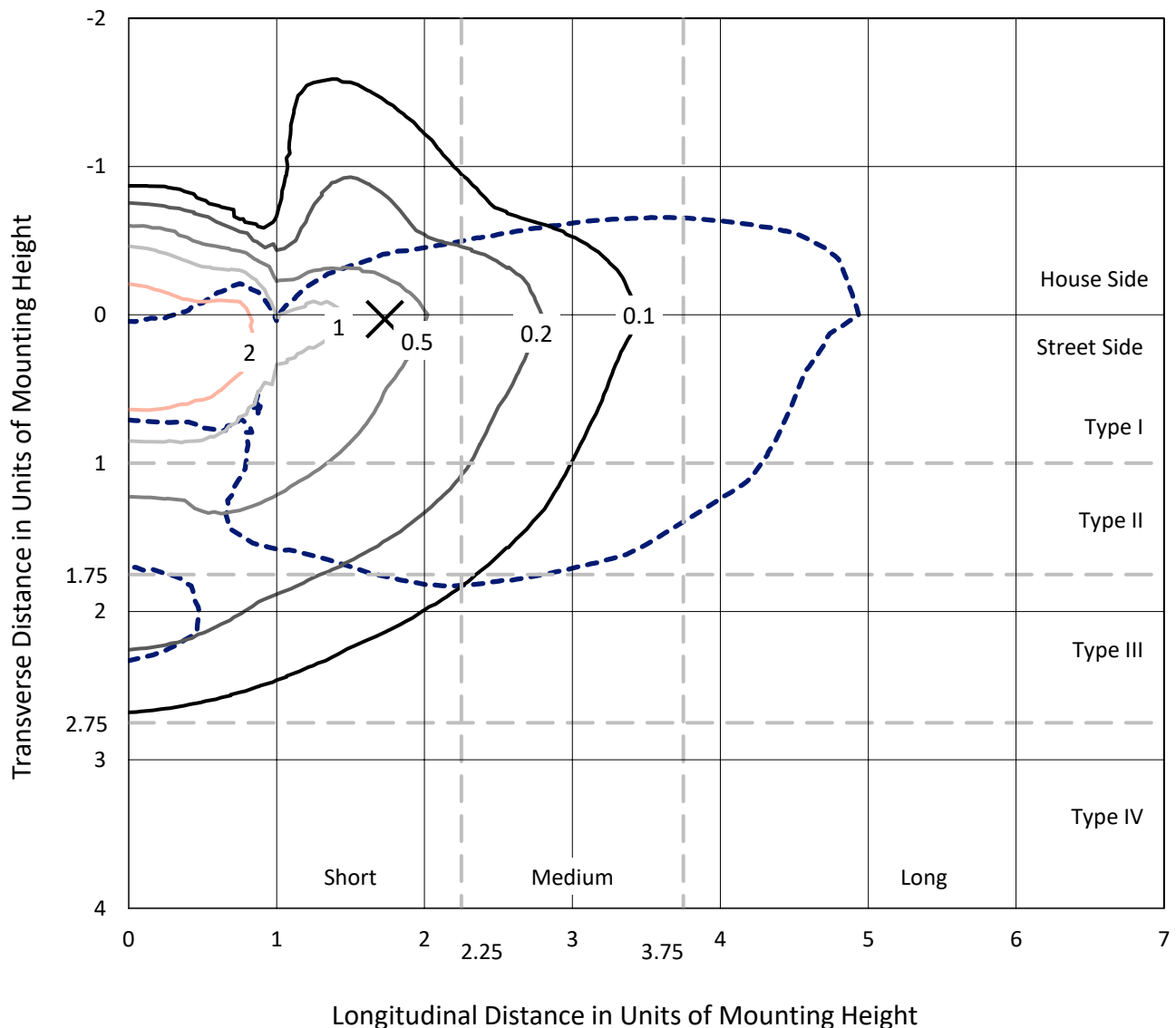


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

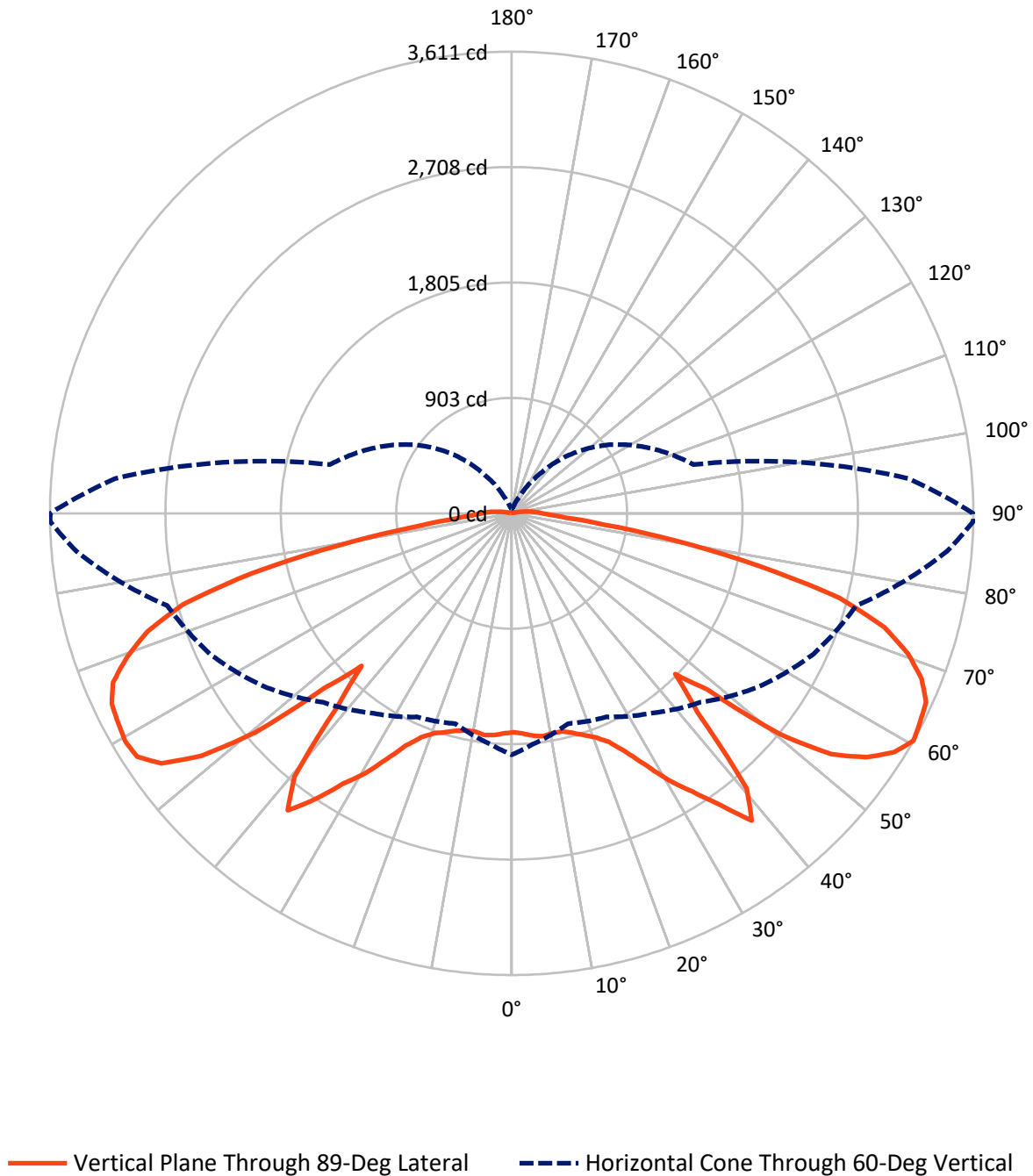


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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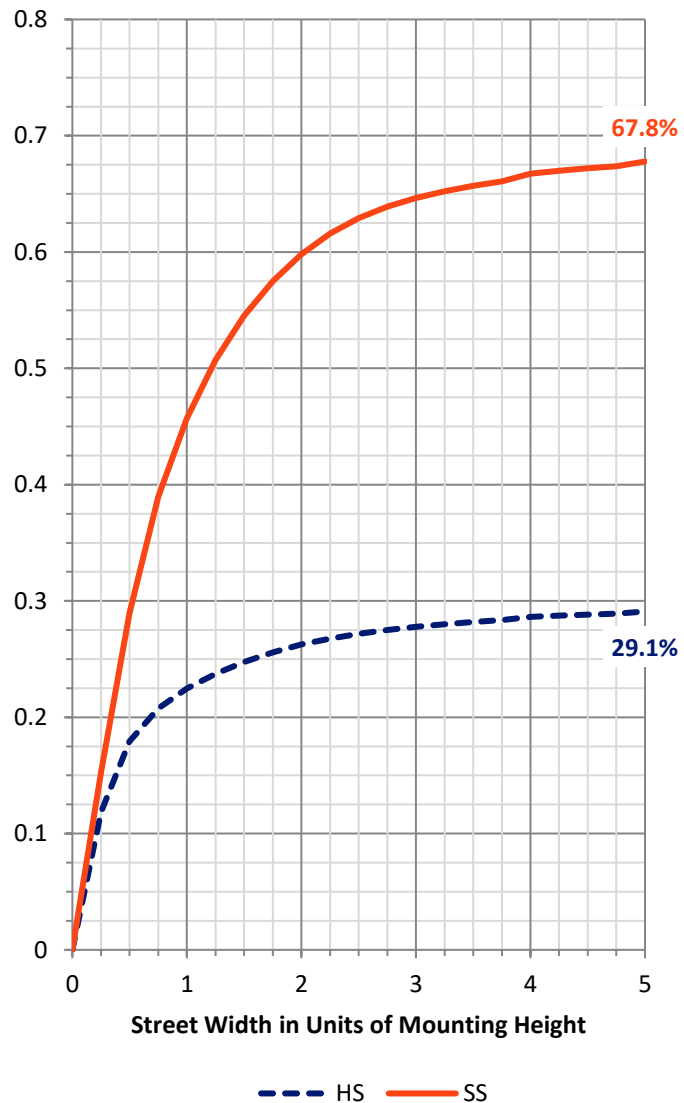
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2346.1	44.0	2390.1
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5427.9	84.9	5512.8
	% Fixture	68.7	1.1	69.8
Total	Lumens	7774.0	128.9	7903.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	2.1
10°-20°	486.1	6.2
20°-30°	802.3	10.2
30°-40°	1088.4	13.8
40°-50°	906.6	11.5
50°-60°	1255.4	15.9
60°-70°	1547.4	19.6
70°-80°	1171.6	14.8
80°-90°	351.6	4.4
90°-100°	91.1	1.2
100°-110°	20.8	0.3
110°-120°	9.7	0.1
120°-130°	6.6	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°	7774.0	98.4
0°-180°	7903.0	100.0

Coefficient of Utilization



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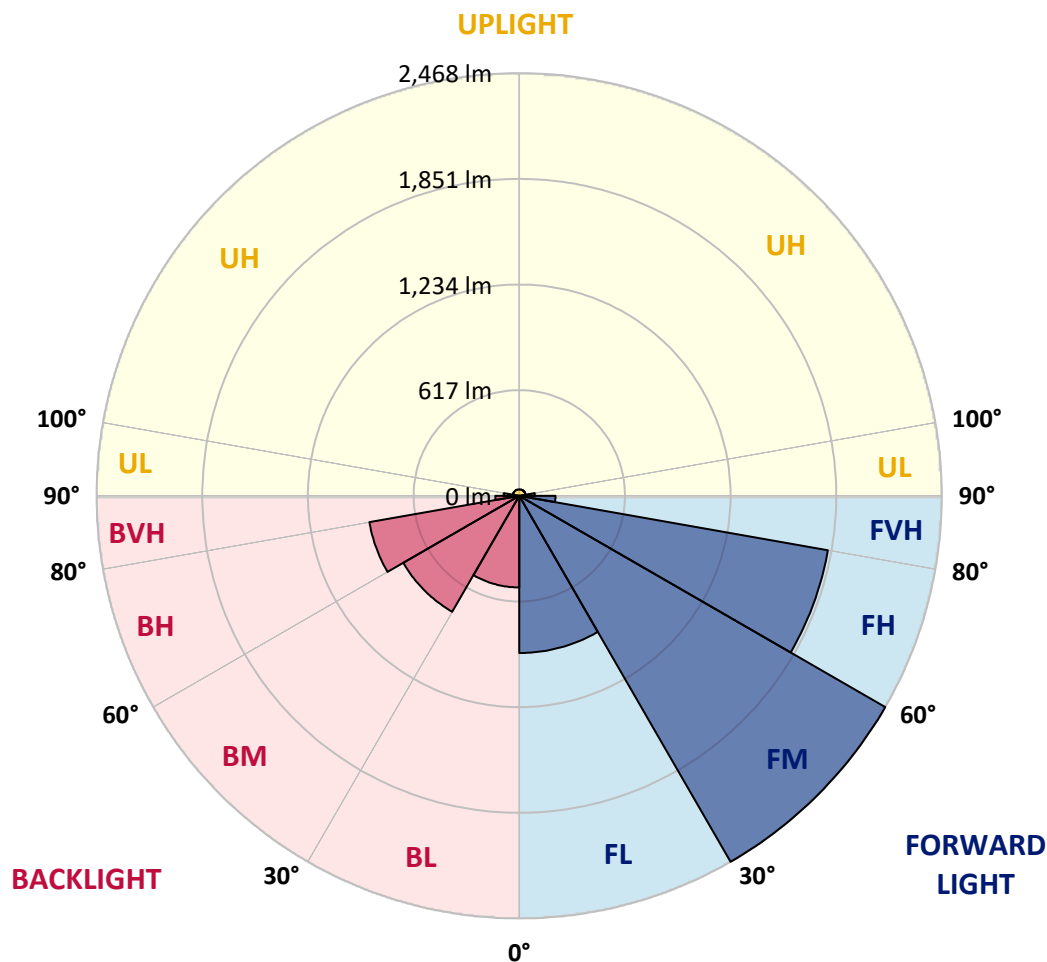
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	918.0	11.6			
FM	(30°-60°)	2468.2	31.2			
FH	(60°-80°)	1830.4	23.2			G2/5000
FVH	(80°-90°)	211.4	2.7			G2/225
BL	(0°-30°)	535.1	6.8	B2/1000		
BM	(30°-60°)	782.2	9.9	B1/1000		
BH	(60°-80°)	888.7	11.2	B2/1000		G2/1000
BVH	(80°-90°)	140.2	1.8			G2/225
UL	(90°-100°)	91.1	1.2		U3/500	
UH	(100°-180°)	37.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9
2.5°	1797.6	1788.2	1788.2	1788.2	1769.4	1769.4	1756.8	1750.5	1738.0	1728.6	1725.4
5°	1901.1	1894.8	1894.8	1891.7	1872.9	1860.3	1835.2	1813.3	1794.5	1763.1	1747.4
7.5°	1982.7	1973.3	1973.3	1970.1	1951.3	1935.6	1907.4	1857.2	1819.6	1785.0	1760.0
10°	2010.9	2007.8	2004.6	1995.2	1979.6	1967.0	1941.9	1894.8	1835.2	1778.8	1747.4
12.5°	2064.3	2064.3	2054.8	2042.3	2029.7	2017.2	1982.7	1945.0	1879.2	1791.3	1750.5
15°	2133.3	2127.0	2120.7	2114.5	2105.0	2086.2	2054.8	2007.8	1932.5	1825.8	1781.9
17.5°	2161.5	2158.4	2158.4	2161.5	2158.4	2145.8	2139.5	2086.2	2007.8	1872.9	1822.7
20°	2167.8	2170.9	2177.2	2199.2	2205.4	2199.2	2208.6	2177.2	2086.2	1935.6	1869.8
22.5°	2205.4	2211.7	2224.3	2246.2	2255.6	2265.0	2274.4	2299.5	2208.6	2032.9	1941.9
25°	2189.7	2196.0	2233.7	2268.2	2302.7	2330.9	2390.5	2447.0	2381.1	2177.2	2061.1
27.5°	2149.0	2161.5	2227.4	2296.4	2381.1	2456.4	2566.2	2635.2	2581.9	2359.1	2227.4
30°	2183.5	2183.5	2227.4	2327.8	2437.6	2607.0	2751.3	2829.7	2792.1	2534.8	2421.9
32.5°	2111.3	2130.1	2221.1	2371.7	2541.1	2757.6	2898.7	3036.8	3049.3	2770.1	2594.4
35°	1888.6	1919.9	1995.2	2196.0	2456.4	2832.9	3080.7	3265.8	3325.4	3052.5	2795.2
37.5°	1556.0	1578.0	1709.8	1910.5	2221.1	2581.9	2980.3	3400.7	3567.0	3234.4	3049.3
40°	1377.2	1392.9	1471.3	1637.6	1923.1	2271.3	2585.0	2989.7	3080.7	2952.1	2829.7
42.5°	1317.6	1342.7	1440.0	1593.7	1825.8	2070.5	2120.7	2271.3	2224.3	2239.9	2133.3
45°	1399.2	1408.6	1480.7	1615.6	1756.8	1822.7	1756.8	1860.3	1910.5	1901.1	1794.5
47.5°	1440.0	1455.6	1534.1	1706.6	1706.6	1709.8	1791.3	1854.1	1998.4	2133.3	2058.0
50°	1236.0	1258.0	1402.3	1540.3	1562.3	1822.7	2036.0	2158.4	2309.0	2669.7	2713.6
52.5°	1163.9	1179.6	1336.4	1612.5	1772.5	2039.2	2170.9	2283.9	2412.5	3008.5	3130.9
55°	1273.7	1301.9	1487.0	1772.5	1948.2	2108.2	2277.6	2440.7	2578.8	3275.2	3366.2
57.5°	1471.3	1524.7	1637.6	1797.6	1963.9	2108.2	2334.1	2534.8	2716.8	3378.7	3526.2
60°	1888.6	1816.4	1703.5	1756.8	1907.4	2089.4	2362.3	2603.8	2788.9	3416.4	3610.9
62.5°	2083.1	2029.7	1753.7	1681.5	1813.3	2023.5	2309.0	2603.8	2763.8	3344.2	3585.8
65°	2014.1	1970.1	1772.5	1593.7	1697.2	1932.5	2227.4	2566.2	2707.4	3253.2	3560.7
67.5°	1716.0	1672.1	1609.4	1543.5	1587.4	1841.5	2152.1	2497.2	2644.6	3178.0	3457.2
70°	1396.0	1370.9	1349.0	1399.2	1480.7	1703.5	2001.5	2343.5	2519.1	2996.0	3287.8
72.5°	1189.0	1173.3	1135.7	1185.8	1314.5	1518.4	1775.6	2117.6	2327.8	2688.6	3046.2
75°	1010.2	1000.8	988.2	1013.3	1094.9	1286.2	1490.2	1825.8	2079.9	2346.6	2647.8
77.5°	818.8	806.3	834.5	840.8	903.5	1041.5	1173.3	1452.5	1734.9	1841.5	1976.4
80°	596.1	608.6	655.7	636.8	683.9	731.0	825.1	947.4	1170.2	1289.4	1298.8
82.5°	417.2	429.8	473.7	426.7	439.2	442.3	476.8	520.8	611.7	712.1	724.7
85°	294.9	301.2	310.6	276.1	276.1	276.1	298.0	323.1	370.2	411.0	420.4
87.5°	210.2	210.2	222.7	210.2	207.1	203.9	216.5	225.9	254.1	282.3	288.6
90°	156.9	156.9	163.1	156.9	156.9	156.9	169.4	178.8	203.9	229.0	232.2
92.5°	112.9	112.9	122.3	119.2	119.2	122.3	134.9	141.2	163.1	188.2	191.4
95°	87.8	87.8	94.1	91.0	91.0	97.3	106.7	112.9	128.6	141.2	144.3
97.5°	62.7	62.7	65.9	65.9	65.9	65.9	72.2	81.6	100.4	100.4	97.3
100°	43.9	43.9	47.1	43.9	43.9	47.1	47.1	53.3	62.7	59.6	59.6
102.5°	31.4	31.4	31.4	31.4	31.4	28.2	28.2	31.4	34.5	31.4	31.4
105°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	18.8
107.5°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	15.7	15.7
110°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	12.5



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CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	15.7	15.7	15.7	15.7	15.7	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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
120°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
122.5°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
125°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	12.5	12.5	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	6.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	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°	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9	1712.9
2.5°	1722.3	1716.0	1697.2	1675.2	1656.4	1640.7	1625.1	1612.5	1609.4	1603.1	1609.4
5°	1744.3	1722.3	1678.4	1650.1	1625.1	1600.0	1574.9	1562.3	1552.9	1546.6	1546.6
7.5°	1753.7	1722.3	1672.1	1634.5	1581.1	1527.8	1496.4	1471.3	1461.9	1471.3	1471.3
10°	1738.0	1700.3	1640.7	1584.3	1512.1	1468.2	1424.3	1402.3	1389.8	1389.8	1380.4
12.5°	1744.3	1700.3	1612.5	1527.8	1468.2	1389.8	1336.4	1311.3	1292.5	1298.8	1298.8
15°	1769.4	1709.8	1587.4	1502.7	1399.2	1336.4	1270.6	1254.9	1251.7	1242.3	1236.0
17.5°	1807.0	1719.2	1581.1	1446.2	1339.6	1264.3	1201.5	1173.3	1157.6	1148.2	1145.1
20°	1847.8	1731.7	1562.3	1392.9	1276.8	1179.6	1104.3	1066.6	1054.1	1054.1	1047.8
22.5°	1916.8	1775.6	1546.6	1367.8	1192.1	1094.9	1019.6	966.2	941.2	938.0	934.9
25°	2029.7	1860.3	1562.3	1311.3	1141.9	997.6	912.9	865.9	837.6	828.2	828.2
27.5°	2202.3	1976.4	1584.3	1280.0	1038.4	906.6	812.5	740.4	699.6	702.7	705.9
30°	2387.4	2149.0	1647.0	1229.8	972.5	778.0	665.1	608.6	571.0	558.4	552.1
32.5°	2538.0	2327.8	1738.0	1189.0	850.2	621.2	523.9	483.1	442.3	407.8	395.3
35°	2770.1	2478.4	1816.4	1129.4	749.8	508.2	423.5	360.8	326.3	310.6	304.3
37.5°	2980.3	2625.8	1876.0	1116.8	608.6	436.1	335.7	269.8	235.3	232.2	232.2
40°	2726.2	2440.7	1832.1	1016.4	480.0	338.8	241.6	191.4	166.3	153.7	153.7
42.5°	2086.2	1869.8	1396.0	847.0	345.1	229.0	153.7	144.3	141.2	128.6	128.6
45°	1747.4	1380.4	847.0	442.3	163.1	125.5	109.8	109.8	112.9	122.3	122.3
47.5°	2098.8	1631.3	624.3	316.9	160.0	109.8	97.3	87.8	81.6	78.4	78.4
50°	2716.8	2321.5	796.8	376.5	191.4	112.9	87.8	78.4	75.3	72.2	65.9
52.5°	3168.5	2719.9	1051.0	574.1	307.4	144.3	87.8	65.9	50.2	43.9	40.8
55°	3441.5	3068.1	1239.2	825.1	498.8	241.6	109.8	59.6	43.9	37.6	34.5
57.5°	3588.9	3108.9	1396.0	1051.0	734.1	429.8	191.4	72.2	43.9	34.5	34.5
60°	3607.7	3115.2	1471.3	1201.5	934.9	652.5	363.9	141.2	56.5	40.8	37.6
62.5°	3592.1	3061.9	1490.2	1261.1	1057.2	834.5	574.1	279.2	87.8	47.1	43.9
65°	3563.8	3065.0	1405.5	1207.8	1057.2	894.1	665.1	367.0	125.5	53.3	50.2
67.5°	3469.7	3055.6	1358.4	1091.7	956.8	800.0	596.1	342.0	144.3	65.9	62.7
70°	3278.3	2942.7	1330.2	1044.7	897.2	712.1	501.9	272.9	163.1	112.9	122.3
72.5°	3061.9	2738.7	1301.9	1003.9	875.3	709.0	505.1	294.9	219.6	185.1	197.6
75°	2738.7	2384.2	1251.7	963.1	862.7	731.0	511.4	279.2	207.1	166.3	163.1
77.5°	2108.2	1982.7	1141.9	862.7	784.3	674.5	436.1	213.3	153.7	116.1	112.9
80°	1377.2	1361.5	891.0	696.5	661.9	596.1	363.9	166.3	122.3	94.1	87.8
82.5°	778.0	746.6	555.3	439.2	467.4	483.1	294.9	125.5	94.1	75.3	69.0
85°	442.3	448.6	323.1	238.4	241.6	285.5	191.4	87.8	59.6	43.9	40.8
87.5°	304.3	313.7	210.2	160.0	144.3	134.9	100.4	53.3	34.5	22.0	15.7
90°	247.8	247.8	156.9	116.1	100.4	87.8	56.5	31.4	25.1	12.5	9.4
92.5°	200.8	210.2	131.8	94.1	78.4	69.0	43.9	22.0	15.7	9.4	6.3
95°	150.6	160.0	106.7	78.4	62.7	53.3	37.6	18.8	12.5	6.3	6.3
97.5°	103.5	103.5	75.3	59.6	50.2	40.8	28.2	15.7	9.4	6.3	6.3
100°	59.6	62.7	43.9	37.6	34.5	31.4	18.8	12.5	6.3	3.1	3.1
102.5°	31.4	31.4	22.0	22.0	18.8	18.8	15.7	9.4	6.3	3.1	3.1
105°	18.8	18.8	15.7	15.7	12.5	12.5	9.4	6.3	3.1	0.0	3.1
107.5°	15.7	15.7	12.5	12.5	9.4	9.4	6.3	6.3	3.1	0.0	0.0
110°	12.5	12.5	9.4	9.4	9.4	6.3	6.3	3.1	3.1	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	12.5	9.4	9.4	6.3	6.3	6.3	3.1	3.1	0.0	0.0
115°	12.5	9.4	9.4	6.3	6.3	6.3	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	6.3	6.3	3.1	3.1	0.0	0.0	0.0
122.5°	12.5	9.4	6.3	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0
125°	9.4	9.4	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0
127.5°	9.4	9.4	6.3	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0
130°	9.4	9.4	6.3	6.3	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)