

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: P691844

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9315 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

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



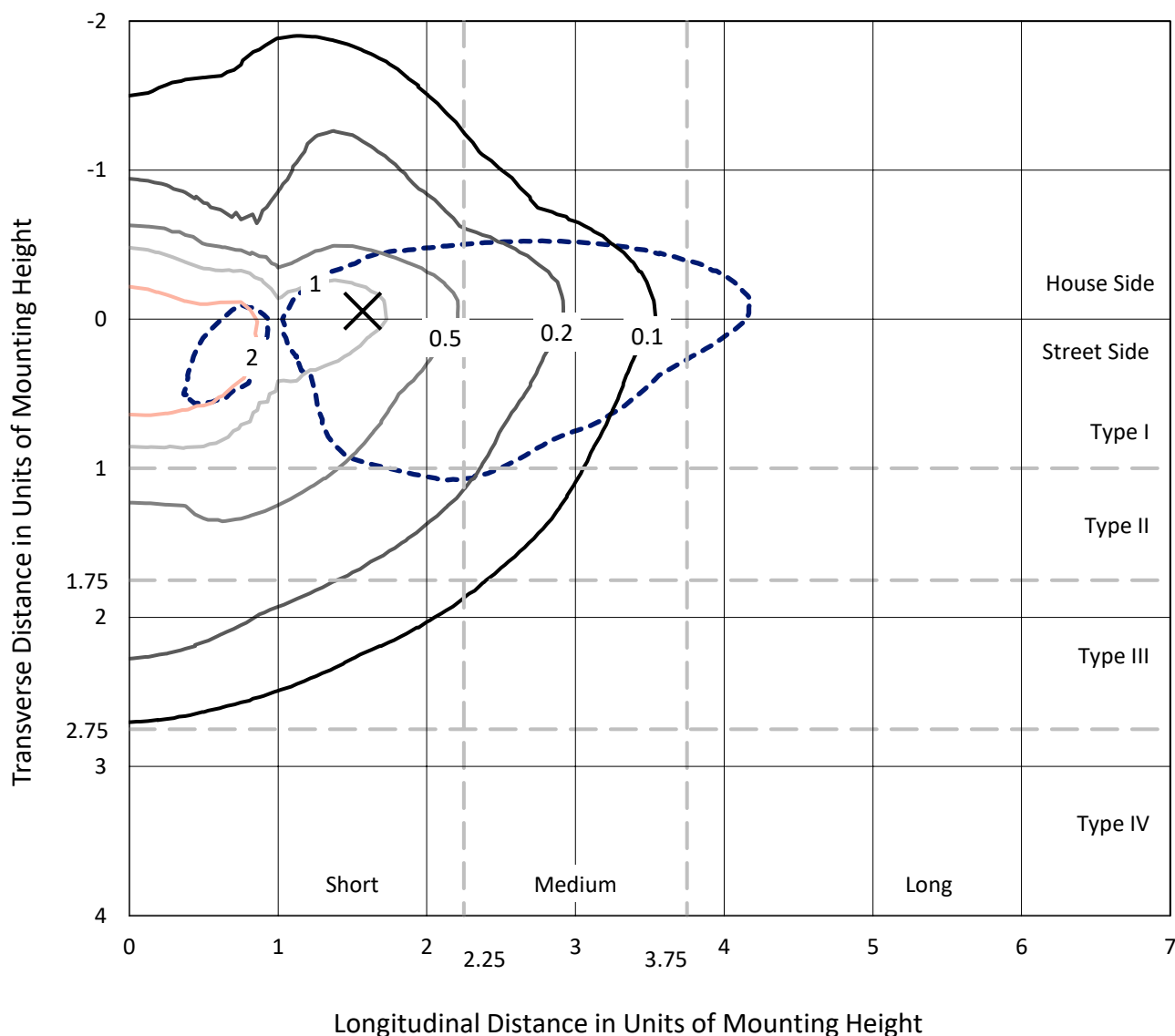
REPORT NUMBER: P691844

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

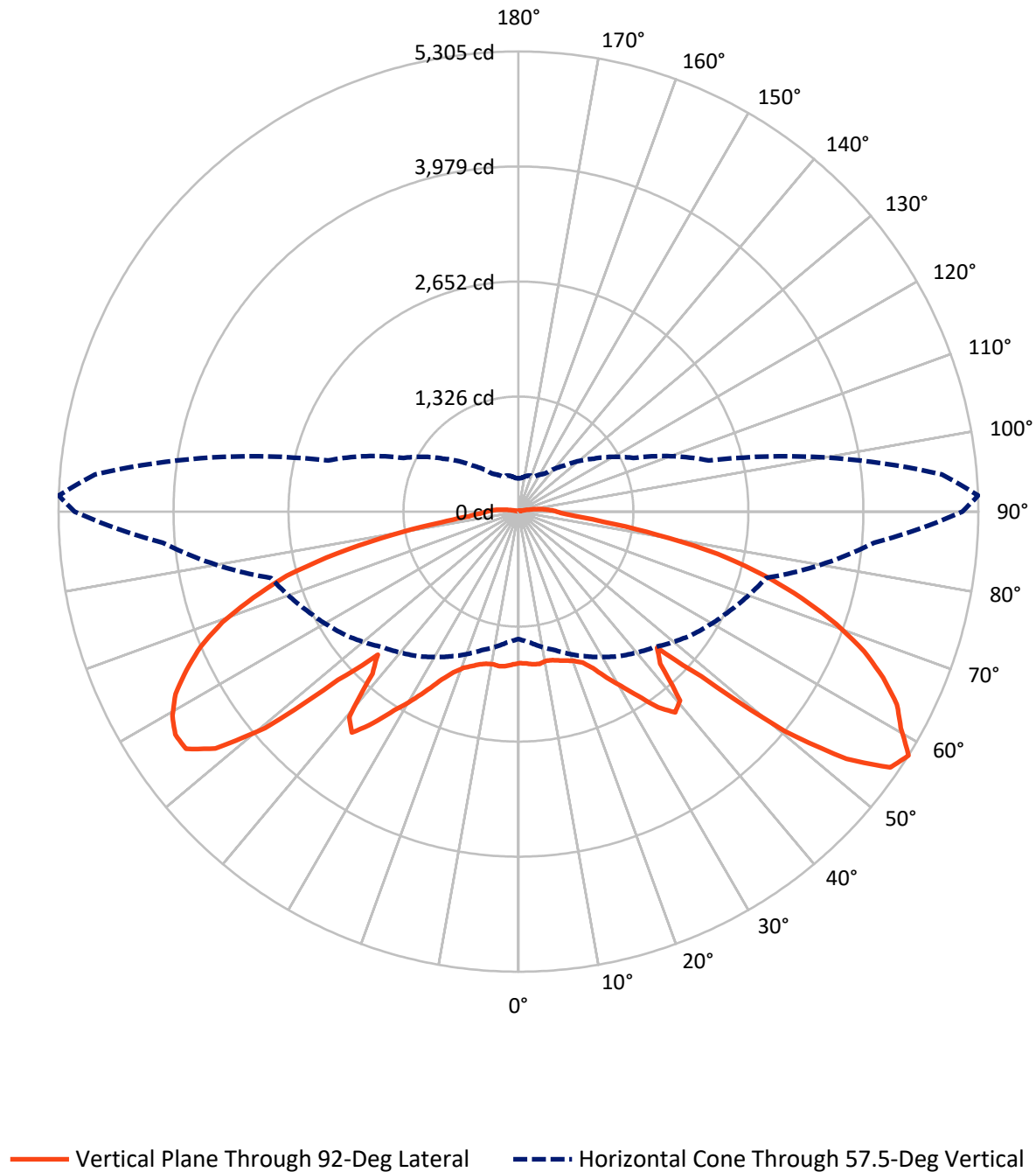


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc

Type I - Short - N/A

REPORT NUMBER: P691844
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691844

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

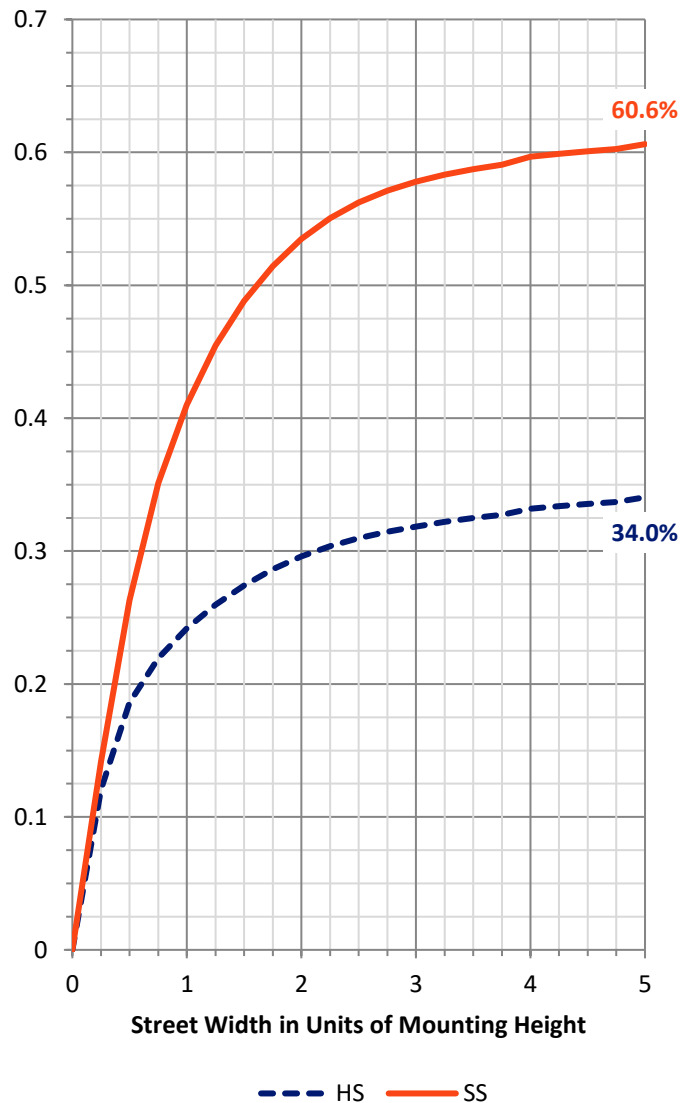
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.7	145.2	3468.9
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5727.6	118.5	5846.1
	% Fixture	61.5	1.3	62.8
Total	Lumens	9051.2	263.7	9315.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.8
10°-20°	493.6	5.3
20°-30°	818.7	8.8
30°-40°	1133.1	12.2
40°-50°	1058.0	11.4
50°-60°	1580.9	17.0
60°-70°	1877.9	20.2
70°-80°	1378.2	14.8
80°-90°	543.4	5.8
90°-100°	191.3	2.1
100°-110°	45.3	0.5
110°-120°	17.5	0.2
120°-130°	8.9	0.1
130°-140°	0.8	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°	9051.2	97.2
0°-180°	9315.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691844

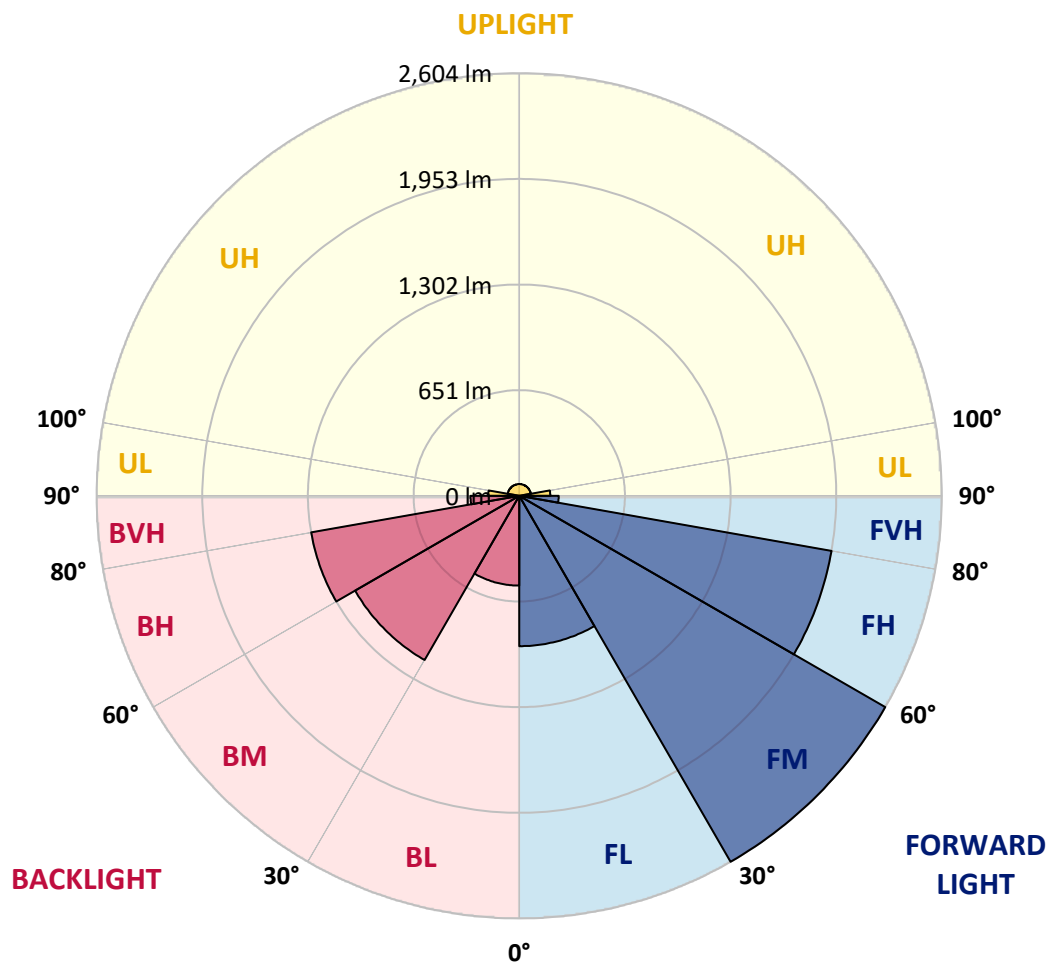
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	926.6	9.9			
FM	(30°-60°)	2604.0	28.0			
FH	(60°-80°)	1954.1	21.0			G2/5000
FVH	(80°-90°)	242.9	2.6			G3/500
BL	(0°-30°)	553.3	5.9	B2/1000		
BM	(30°-60°)	1168.0	12.5	B2/2500		
BH	(60°-80°)	1302.0	14.0	B3/2500		G3/2500
BVH	(80°-90°)	300.5	3.2			G3/500
UL	(90°-100°)	191.3	2.1		U3/500	
UH	(100°-180°)	72.4	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



REPORT NUMBER: P691844

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3
2.5°	1822.6	1810.1	1813.2	1810.1	1803.8	1797.5	1791.3	1785.0	1775.6	1766.2	1759.9
5°	1929.3	1916.7	1916.7	1916.7	1904.2	1885.4	1860.3	1844.6	1822.6	1797.5	1778.7
7.5°	2001.4	1992.0	1988.9	1985.8	1970.1	1957.5	1929.3	1879.1	1844.6	1813.2	1785.0
10°	2026.5	2026.5	2023.4	2014.0	1998.3	1982.6	1963.8	1916.7	1860.3	1806.9	1769.3
12.5°	2073.6	2079.9	2070.5	2054.8	2048.5	2029.7	2001.4	1963.8	1901.1	1819.5	1775.6
15°	2145.7	2142.6	2130.1	2126.9	2120.7	2098.7	2073.6	2026.5	1954.4	1850.9	1800.7
17.5°	2177.1	2174.0	2174.0	2174.0	2174.0	2158.3	2155.2	2101.8	2026.5	1901.1	1838.3
20°	2183.4	2183.4	2192.8	2214.8	2217.9	2214.8	2230.4	2195.9	2108.1	1963.8	1879.1
22.5°	2224.2	2227.3	2243.0	2265.0	2280.6	2286.9	2299.5	2315.2	2233.6	2064.2	1957.5
25°	2202.2	2217.9	2252.4	2286.9	2324.6	2346.5	2415.5	2468.9	2399.9	2211.6	2067.3
27.5°	2164.6	2177.1	2246.1	2308.9	2393.6	2484.6	2584.9	2654.0	2613.2	2393.6	2243.0
30°	2199.1	2199.1	2243.0	2346.5	2456.3	2622.6	2770.0	2845.3	2826.5	2584.9	2446.9
32.5°	2126.9	2145.7	2239.9	2390.4	2556.7	2773.2	2923.7	3064.9	3083.7	2832.8	2610.0
35°	1913.6	1954.4	2017.1	2214.8	2497.1	2873.5	3105.7	3284.5	3362.9	3115.1	2854.7
37.5°	1581.1	1596.8	1728.5	1926.2	2261.8	2635.1	3036.7	3472.7	3635.9	3328.4	3099.4
40°	1396.0	1405.4	1490.1	1662.6	1945.0	2312.0	2650.8	3099.4	3228.0	3196.7	2980.2
42.5°	1333.3	1348.9	1449.3	1615.6	1854.0	2108.1	2195.9	2390.4	2340.2	2475.1	2544.2
45°	1408.5	1418.0	1490.1	1634.4	1785.0	1894.8	1832.0	1970.1	2039.1	2305.7	2321.4
47.5°	1461.9	1468.1	1546.6	1728.5	1753.6	1756.8	1841.5	1923.0	2114.4	2691.6	2948.8
50°	1254.8	1286.2	1436.8	1593.6	1606.2	1854.0	2095.6	2258.7	2494.0	3544.9	4037.4
52.5°	1163.8	1179.5	1342.7	1615.6	1797.5	2086.1	2258.7	2421.8	2647.7	3915.1	4780.9
55°	1276.8	1301.9	1496.4	1800.7	1982.6	2180.3	2396.7	2597.5	2820.2	4106.4	5113.4
57.5°	1468.1	1515.2	1656.4	1841.5	2032.8	2211.6	2462.6	2694.7	2955.1	4119.0	5119.7
60°	1847.7	1813.2	1734.8	1816.4	2001.4	2205.4	2494.0	2741.8	3030.4	4115.8	4975.4
62.5°	2108.1	2057.9	1797.5	1759.9	1932.4	2139.5	2424.9	2735.5	3014.7	3977.8	4812.3
65°	2057.9	2023.4	1822.6	1684.6	1810.1	2032.8	2330.8	2697.9	2939.4	3830.4	4517.4
67.5°	1775.6	1734.8	1650.1	1596.8	1659.5	1919.9	2243.0	2622.6	2851.6	3660.9	4194.2
70°	1449.3	1427.4	1399.1	1455.6	1534.0	1778.7	2083.0	2459.5	2685.3	3337.8	3849.2
72.5°	1229.7	1217.2	1182.7	1242.3	1374.0	1593.6	1847.7	2224.2	2478.3	2901.8	3422.5
75°	1035.2	1038.4	1019.5	1057.2	1141.9	1358.3	1559.1	1926.2	2208.5	2490.8	2961.4
77.5°	850.1	840.7	859.6	881.5	938.0	1094.8	1229.7	1549.7	1885.4	1976.3	2271.2
80°	621.1	636.8	671.3	668.2	715.2	784.3	875.2	1044.6	1323.8	1414.8	1527.7
82.5°	439.2	458.0	489.4	454.9	461.1	480.0	520.8	599.2	746.6	837.6	931.7
85°	310.6	320.0	326.3	301.2	301.2	313.7	341.9	398.4	489.4	545.8	596.0
87.5°	225.9	229.0	241.6	229.0	232.1	238.4	263.5	301.2	376.4	417.2	458.0
90°	172.5	172.5	178.8	175.7	181.9	194.5	219.6	251.0	307.4	357.6	395.3
92.5°	125.5	125.5	131.8	134.9	138.0	153.7	175.7	200.8	238.4	301.2	338.8
95°	97.2	97.2	103.5	103.5	106.7	119.2	138.0	163.1	191.4	235.3	269.8
97.5°	72.2	72.2	78.4	78.4	81.6	91.0	106.7	122.3	147.4	175.7	191.4
100°	56.5	56.5	59.6	59.6	62.7	72.2	81.6	91.0	97.2	112.9	119.2
102.5°	47.1	47.1	47.1	47.1	47.1	53.3	56.5	56.5	59.6	69.0	72.2
105°	37.6	37.6	37.6	34.5	34.5	37.6	37.6	37.6	40.8	40.8	43.9
107.5°	28.2	28.2	28.2	28.2	28.2	31.4	31.4	31.4	31.4	34.5	34.5
110°	25.1	25.1	25.1	25.1	25.1	25.1	28.2	28.2	28.2	28.2	28.2



REPORT NUMBER: P691844

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.0	22.0	22.0	22.0	22.0	22.0	25.1	25.1	25.1	25.1	25.1
115°	18.8	18.8	18.8	18.8	18.8	22.0	25.1	22.0	22.0	22.0	22.0
117.5°	15.7	15.7	15.7	18.8	18.8	18.8	22.0	18.8	18.8	18.8	22.0
120°	12.5	12.5	15.7	15.7	15.7	15.7	15.7	15.7	18.8	18.8	18.8
122.5°	12.5	12.5	12.5	12.5	12.5	15.7	15.7	15.7	15.7	15.7	18.8
125°	9.4	9.4	9.4	12.5	12.5	12.5	12.5	12.5	12.5	15.7	15.7
127.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	12.5	12.5	12.5
130°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
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

REPORT NUMBER: P691844

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3	1747.3
2.5°	1753.6	1753.6	1734.8	1716.0	1697.1	1678.3	1662.6	1653.2	1640.7	1643.8	1643.8
5°	1769.3	1759.9	1719.1	1694.0	1665.8	1640.7	1615.6	1593.6	1587.4	1584.2	1571.7
7.5°	1772.4	1756.8	1712.8	1675.2	1621.9	1562.3	1534.0	1508.9	1493.2	1505.8	1499.5
10°	1750.5	1731.7	1681.5	1625.0	1549.7	1499.5	1455.6	1430.5	1418.0	1421.1	1418.0
12.5°	1756.8	1734.8	1653.2	1568.5	1505.8	1421.1	1367.8	1345.8	1330.1	1330.1	1320.7
15°	1781.9	1744.2	1628.1	1540.3	1436.8	1364.6	1301.9	1286.2	1279.9	1273.6	1264.2
17.5°	1806.9	1753.6	1625.0	1490.1	1374.0	1295.6	1232.9	1204.6	1188.9	1188.9	1185.8
20°	1838.3	1772.4	1606.2	1436.8	1314.4	1210.9	1135.6	1110.5	1098.0	1094.8	1088.6
22.5°	1891.6	1822.6	1596.8	1414.8	1236.0	1129.3	1057.2	1010.1	985.0	981.9	981.9
25°	1998.3	1913.6	1615.6	1355.2	1182.7	1044.6	956.8	909.7	881.5	881.5	878.4
27.5°	2167.7	2032.8	1643.8	1333.3	1082.3	953.7	862.7	790.5	765.4	765.4	768.6
30°	2334.0	2214.8	1716.0	1286.2	1025.8	834.5	724.7	671.3	640.0	627.4	630.5
32.5°	2531.6	2406.1	1816.4	1254.8	912.9	693.3	592.9	564.7	517.6	505.1	495.7
35°	2773.2	2591.2	1929.3	1210.9	825.0	589.8	508.2	451.7	429.8	414.1	411.0
37.5°	2936.3	2776.3	2029.7	1220.3	702.7	533.3	442.3	382.7	360.8	363.9	363.9
40°	2867.3	2682.2	2054.8	1157.6	599.2	464.3	370.2	335.7	323.1	326.3	329.4
42.5°	2396.7	2299.5	1700.3	1035.2	495.7	373.3	310.6	310.6	320.0	310.6	310.6
45°	2239.9	1995.2	1236.0	727.8	373.3	307.4	294.9	304.3	326.3	326.3	326.3
47.5°	2835.9	2559.8	1107.4	608.6	417.2	345.1	320.0	304.3	307.4	304.3	304.3
50°	3977.8	3544.9	1487.0	759.2	505.1	411.0	363.9	332.5	332.5	326.3	320.0
52.5°	4737.0	4282.1	1810.1	950.5	633.7	480.0	417.2	360.8	341.9	329.4	326.3
55°	5207.5	4862.4	2089.3	1217.2	825.0	570.9	464.3	404.7	376.4	351.4	348.2
57.5°	5304.8	4903.2	2274.4	1461.9	1063.5	749.8	533.3	448.6	429.8	389.0	382.7
60°	5066.4	4799.7	2346.5	1621.9	1270.5	988.2	696.4	520.8	480.0	451.7	445.5
62.5°	4900.1	4592.7	2321.4	1675.2	1399.1	1185.8	916.0	640.0	523.9	527.0	555.3
65°	4620.9	4413.8	2136.3	1596.8	1392.9	1251.7	1029.0	740.3	539.6	533.3	567.8
67.5°	4300.9	4137.8	1951.3	1424.2	1283.1	1160.7	956.8	705.8	511.3	480.0	483.1
70°	3890.0	3751.9	1763.0	1327.0	1182.7	1029.0	831.3	611.7	505.1	454.9	454.9
72.5°	3416.3	3253.1	1606.2	1254.8	1129.3	988.2	796.8	589.8	542.7	523.9	539.6
75°	2914.3	2707.3	1483.8	1185.8	1091.7	988.2	793.7	589.8	542.7	527.0	527.0
77.5°	2349.7	2227.3	1352.1	1076.0	1016.4	941.1	730.9	549.0	533.3	527.0	527.0
80°	1625.0	1606.2	1101.1	934.8	919.2	890.9	687.0	530.2	530.2	520.8	508.2
82.5°	997.6	950.5	787.4	699.6	752.9	793.7	624.3	498.8	486.2	476.8	470.6
85°	646.2	649.4	552.1	489.4	520.8	605.5	527.0	451.7	432.9	439.2	439.2
87.5°	495.7	511.3	432.9	398.4	392.1	411.0	414.1	404.7	392.1	382.7	385.9
90°	426.6	432.9	348.2	320.0	316.8	323.1	323.1	341.9	341.9	310.6	291.7
92.5°	357.6	367.0	288.6	260.4	260.4	269.8	276.1	276.1	251.0	203.9	181.9
95°	282.3	288.6	229.0	207.0	210.2	210.2	207.0	197.6	153.7	91.0	81.6
97.5°	197.6	200.8	169.4	156.9	160.0	153.7	134.9	122.3	94.1	53.3	50.2
100°	125.5	128.6	106.7	103.5	112.9	100.4	87.8	81.6	56.5	34.5	40.8
102.5°	75.3	75.3	65.9	62.7	69.0	59.6	53.3	43.9	34.5	22.0	28.2
105°	43.9	43.9	40.8	40.8	40.8	37.6	34.5	28.2	18.8	15.7	15.7
107.5°	34.5	34.5	31.4	31.4	28.2	28.2	25.1	18.8	12.5	9.4	9.4
110°	28.2	28.2	25.1	25.1	25.1	22.0	18.8	15.7	9.4	6.3	6.3



REPORT NUMBER: P691844

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

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.1	25.1	22.0	22.0	18.8	18.8	15.7	12.5	9.4	6.3	6.3
115°	22.0	22.0	18.8	15.7	15.7	15.7	12.5	9.4	6.3	3.1	6.3
117.5°	22.0	22.0	15.7	12.5	12.5	12.5	9.4	9.4	6.3	3.1	3.1
120°	18.8	18.8	12.5	12.5	9.4	9.4	9.4	6.3	3.1	3.1	3.1
122.5°	15.7	15.7	12.5	9.4	9.4	9.4	6.3	6.3	3.1	3.1	3.1
125°	15.7	15.7	9.4	9.4	9.4	6.3	6.3	6.3	3.1	0.0	0.0
127.5°	12.5	12.5	9.4	9.4	6.3	6.3	6.3	3.1	3.1	0.0	0.0
130°	9.4	9.4	9.4	9.4	6.3	6.3	6.3	3.1	3.1	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)