

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: P691992

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691992
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-C01HO-D-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9928 lumens
Efficiency: N/A
Efficacy: 125.7 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): 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



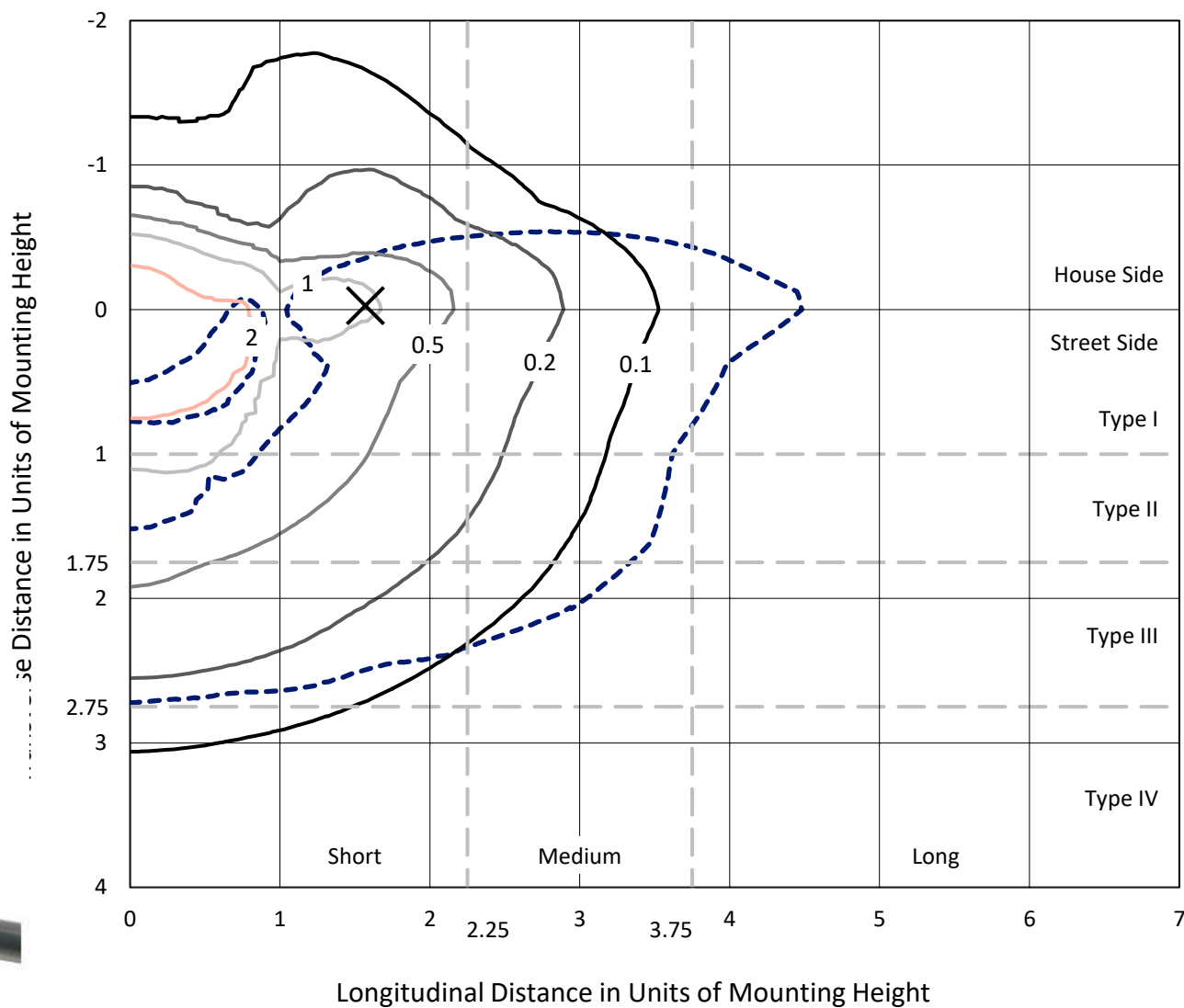
REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

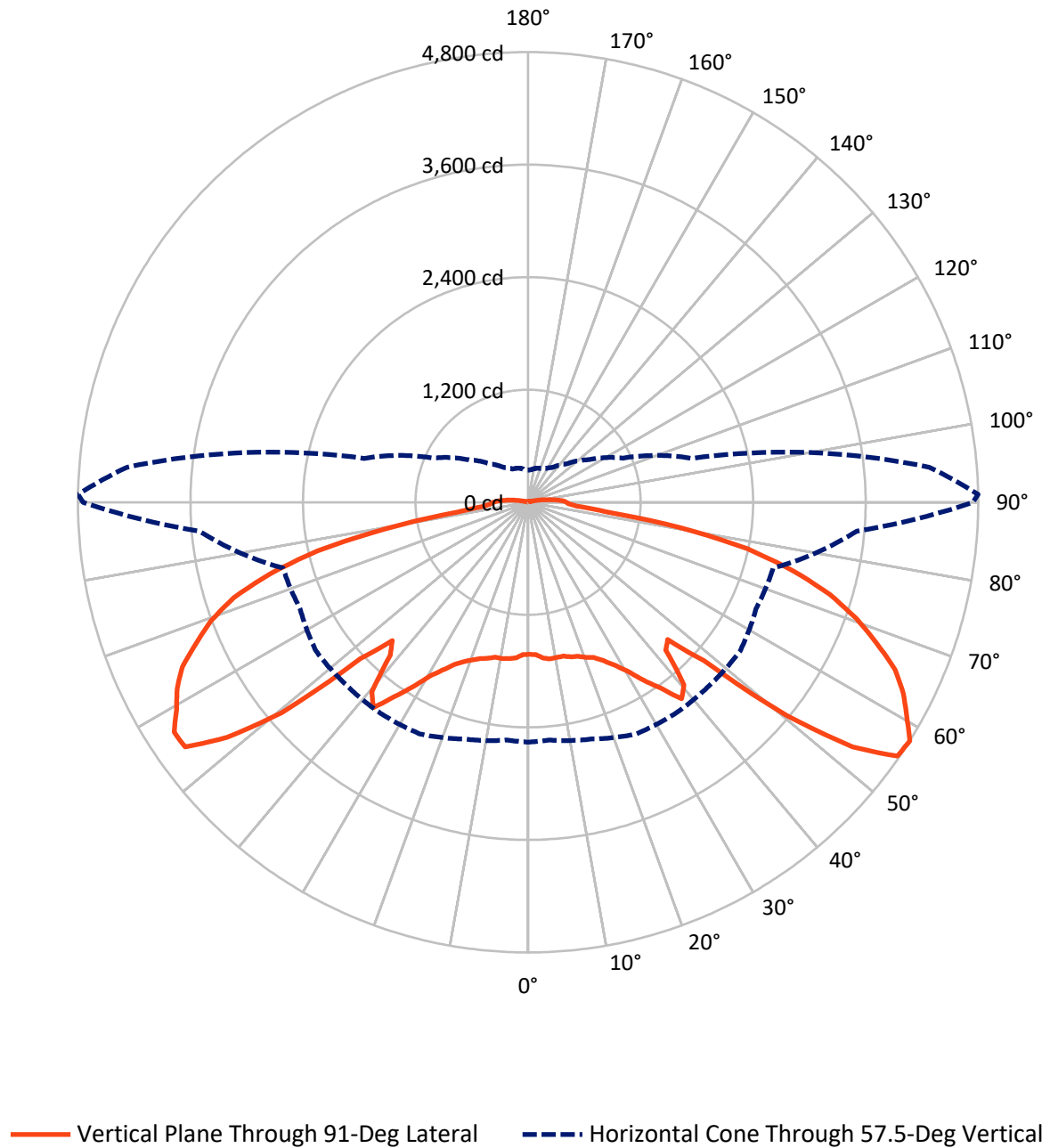


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

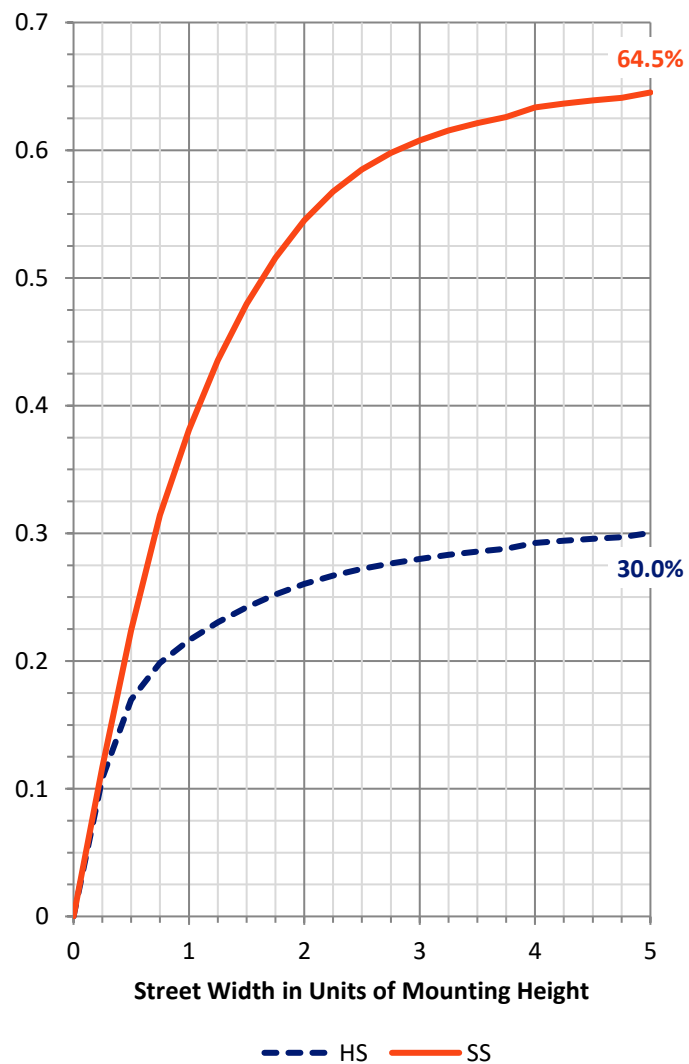
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3151.3	153.2	3304.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	6492.3	131.1	6623.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	9643.6	284.4	9928.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	1.6
10°-20°	482.5	4.9
20°-30°	820.4	8.3
30°-40°	1154.3	11.6
40°-50°	1096.1	11.0
50°-60°	1642.0	16.5
60°-70°	2124.8	21.4
70°-80°	1608.0	16.2
80°-90°	557.0	5.6
90°-100°	209.1	2.1
100°-110°	49.0	0.5
110°-120°	16.9	0.2
120°-130°	8.6	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°	9643.6	97.1
0°-180°	9928.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691992

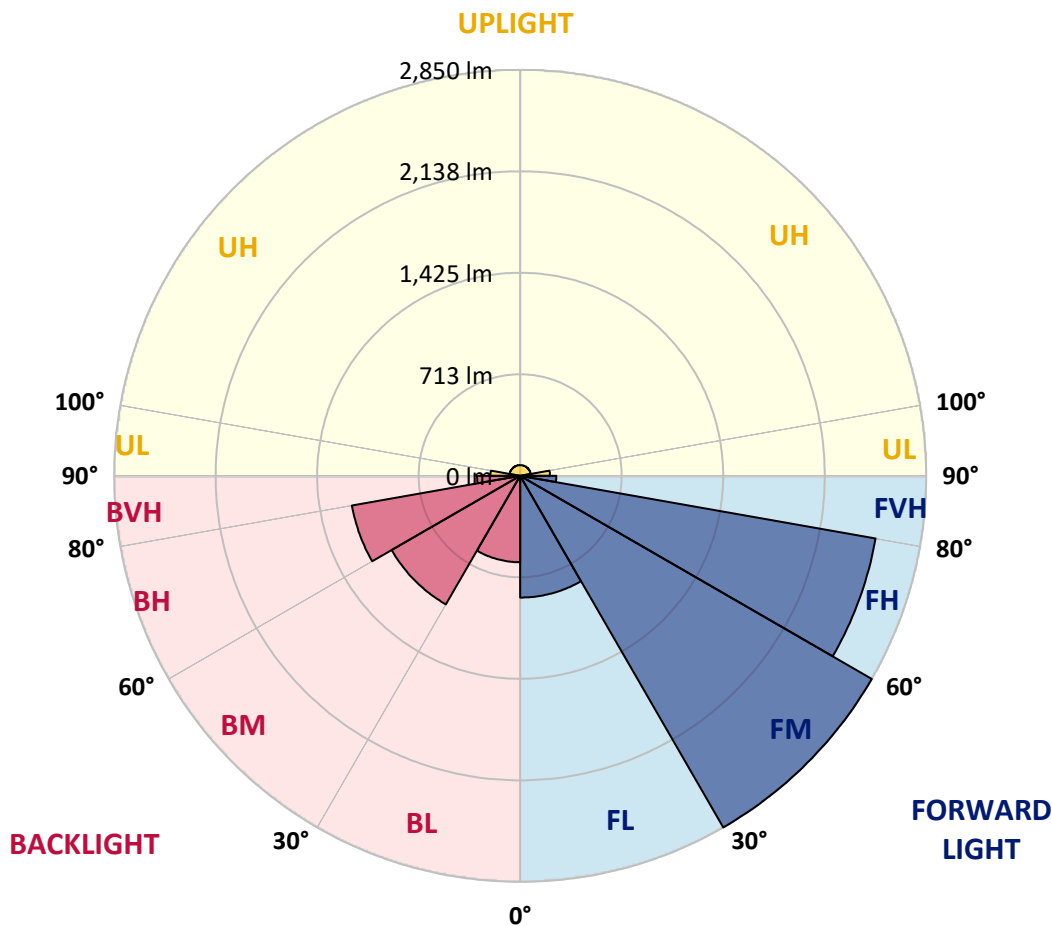
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	854.7	8.6			
FM	(30°-60°)	2850.1	28.7			
FH	(60°-80°)	2533.5	25.5			G2/5000
FVH	(80°-90°)	254.0	2.6			G3/500
BL	(0°-30°)	606.7	6.1	B2/1000		
BM	(30°-60°)	1042.3	10.5	B2/2500		
BH	(60°-80°)	1199.4	12.1	B3/2500		G3/2500
BVH	(80°-90°)	303.0	3.1			G3/500
UL	(90°-100°)	209.1	2.1		U3/500	
UH	(100°-180°)	75.2	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9
2.5°	1591.3	1591.3	1591.3	1594.6	1604.5	1611.1	1614.4	1611.1	1614.4	1620.9	1627.5
5°	1637.4	1634.1	1630.8	1624.2	1620.9	1620.9	1624.2	1624.2	1630.8	1653.8	1667.0
7.5°	1680.1	1673.5	1670.3	1670.3	1667.0	1650.5	1647.2	1637.4	1634.1	1663.7	1683.4
10°	1759.0	1752.5	1732.7	1709.7	1703.1	1683.4	1653.8	1647.2	1650.5	1683.4	1690.0
12.5°	1831.4	1828.1	1814.9	1791.9	1759.0	1739.3	1696.6	1676.8	1680.1	1699.8	1686.7
15°	1953.0	1939.9	1900.4	1880.7	1847.8	1811.6	1755.7	1732.7	1739.3	1722.9	1716.3
17.5°	2025.4	2015.5	2015.5	1979.3	1956.3	1893.8	1841.2	1798.5	1814.9	1772.2	1736.0
20°	2091.1	2091.1	2094.4	2101.0	2058.2	2008.9	1936.6	1884.0	1887.3	1824.8	1772.2
22.5°	2193.0	2183.2	2193.0	2202.9	2173.3	2130.6	2041.8	1989.2	1966.2	1887.3	1818.2
25°	2298.2	2291.7	2291.7	2318.0	2327.8	2262.1	2179.9	2124.0	2091.1	1976.0	1884.0
27.5°	2403.5	2406.7	2416.6	2426.5	2442.9	2410.0	2327.8	2285.1	2242.4	2081.2	1989.2
30°	2488.9	2482.4	2525.1	2548.1	2564.6	2577.7	2485.7	2439.6	2393.6	2216.1	2107.6
32.5°	2584.3	2584.3	2623.8	2666.5	2689.5	2715.8	2640.2	2610.6	2561.3	2377.2	2304.8
35°	2663.2	2663.2	2722.4	2794.7	2837.5	2857.2	2817.7	2814.5	2804.6	2597.4	2492.2
37.5°	2396.9	2429.8	2521.8	2666.5	2830.9	2962.4	2972.3	3038.0	3070.9	2847.3	2712.5
40°	2091.1	2101.0	2209.5	2337.7	2492.2	2656.6	2814.5	3008.4	2985.4	2715.8	2597.4
42.5°	1884.0	1910.3	2048.4	2147.0	2248.9	2350.9	2350.9	2344.3	2179.9	2229.2	2183.2
45°	1864.2	1870.8	1985.9	2133.9	2173.3	2031.9	1834.7	1726.2	1739.3	1979.3	2087.8
47.5°	2068.1	2078.0	2196.3	2337.7	2196.3	1946.4	1752.5	1736.0	1726.2	2150.3	2518.5
50°	2176.6	2183.2	2295.0	2367.3	2147.0	2143.7	2147.0	2087.8	2035.2	2821.0	3613.4
52.5°	2242.4	2248.9	2242.4	2334.4	2258.8	2433.1	2373.9	2275.2	2235.8	3268.2	4267.7
55°	2068.1	2110.8	2288.4	2531.7	2538.3	2597.4	2574.4	2485.7	2482.4	3435.9	4757.6
57.5°	2558.0	2544.8	2613.9	2725.7	2745.4	2748.7	2761.8	2682.9	2705.9	3521.4	4744.5
60°	2896.6	2860.5	2788.1	2840.8	2863.8	2899.9	2946.0	2857.2	2883.5	3597.0	4537.3
62.5°	3215.6	3159.7	2880.2	2870.3	2906.5	2978.8	3044.6	2975.6	2998.6	3623.3	4392.6
65°	3169.5	3120.2	2909.8	2794.7	2847.3	2946.0	3038.0	3005.1	2998.6	3567.4	4215.1
67.5°	2732.3	2735.5	2712.5	2712.5	2692.8	2834.2	2982.1	2985.4	2952.5	3426.0	3948.8
70°	2347.6	2334.4	2370.6	2508.7	2528.4	2696.1	2893.4	2926.2	2883.5	3268.2	3692.3
72.5°	1999.0	1989.2	1995.8	2110.8	2275.2	2459.4	2682.9	2761.8	2699.4	2985.4	3380.0
75°	1653.8	1644.0	1640.7	1680.1	1811.6	2041.8	2298.2	2439.6	2387.0	2574.4	2923.0
77.5°	1256.0	1236.3	1236.3	1249.4	1348.0	1555.2	1801.8	1999.0	1972.7	2074.7	2357.4
80°	835.1	838.4	831.8	828.6	894.3	1016.0	1196.8	1433.5	1420.4	1420.4	1565.0
82.5°	529.4	529.4	539.2	506.3	499.8	512.9	555.7	651.0	657.6	720.1	769.4
85°	338.7	341.9	341.9	309.1	299.2	309.1	338.7	368.2	381.4	443.9	499.8
87.5°	246.6	246.6	240.0	233.4	236.7	246.6	269.6	295.9	318.9	368.2	417.6
90°	187.4	187.4	184.1	180.8	187.4	200.6	230.2	259.7	289.3	345.2	391.3
92.5°	154.5	154.5	151.2	151.2	154.5	164.4	190.7	223.6	253.2	299.2	341.9
95°	128.2	131.5	128.2	131.5	134.8	141.4	157.8	184.1	203.9	233.4	263.0
97.5°	101.9	105.2	105.2	105.2	108.5	118.4	128.2	144.7	157.8	171.0	190.7
100°	75.6	78.9	78.9	78.9	82.2	92.1	101.9	108.5	111.8	115.1	124.9
102.5°	55.9	59.2	59.2	59.2	59.2	65.8	69.0	72.3	72.3	72.3	75.6
105°	39.5	39.5	39.5	39.5	39.5	39.5	42.7	42.7	42.7	42.7	42.7
107.5°	29.6	29.6	29.6	29.6	29.6	29.6	32.9	32.9	32.9	32.9	32.9
110°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	29.6	26.3	26.3	29.6

REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.0	23.0	23.0	23.0	23.0	23.0	26.3	26.3	23.0	23.0	23.0
115°	19.7	19.7	19.7	19.7	19.7	19.7	23.0	23.0	19.7	19.7	19.7
117.5°	16.4	16.4	16.4	16.4	16.4	16.4	19.7	19.7	16.4	19.7	19.7
120°	16.4	19.7	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	19.7
122.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	16.4	16.4
125°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
127.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	13.2	13.2
130°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
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: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9	1620.9
2.5°	1627.5	1634.1	1647.2	1660.4	1673.5	1686.7	1693.3	1696.6	1699.8	1693.3	1696.6
5°	1667.0	1673.5	1693.3	1713.0	1709.7	1699.8	1686.7	1686.7	1690.0	1690.0	1696.6
7.5°	1686.7	1696.6	1690.0	1693.3	1699.8	1690.0	1676.8	1660.4	1640.7	1640.7	1644.0
10°	1683.4	1673.5	1683.4	1673.5	1650.5	1647.2	1640.7	1617.7	1604.5	1607.8	1607.8
12.5°	1683.4	1680.1	1660.4	1650.5	1630.8	1594.6	1578.2	1584.8	1568.3	1571.6	1565.0
15°	1709.7	1686.7	1660.4	1627.5	1584.8	1565.0	1542.0	1505.9	1502.6	1502.6	1502.6
17.5°	1726.2	1709.7	1650.5	1584.8	1555.2	1505.9	1479.6	1469.7	1443.4	1453.3	1459.8
20°	1765.6	1726.2	1640.7	1571.6	1469.7	1440.1	1397.4	1387.5	1374.3	1334.9	1321.7
22.5°	1798.5	1762.3	1630.8	1509.2	1423.7	1354.6	1288.9	1242.8	1219.8	1203.4	1190.2
25°	1870.8	1814.9	1640.7	1479.6	1348.0	1259.3	1200.1	1117.9	1062.0	1055.4	1062.0
27.5°	1966.2	1877.4	1663.7	1440.1	1288.9	1150.8	1032.4	976.5	917.3	897.6	900.9
30°	2087.8	1969.5	1660.4	1403.9	1183.6	1025.8	874.6	779.2	733.2	713.5	710.2
32.5°	2262.1	2097.7	1736.0	1357.9	1088.3	851.6	687.2	568.8	545.8	542.5	539.2
35°	2433.1	2304.8	1772.2	1288.9	950.2	683.9	519.5	447.2	443.9	440.6	437.3
37.5°	2659.9	2508.7	1874.1	1246.1	818.7	516.2	417.6	365.0	355.1	338.7	345.2
40°	2558.0	2433.1	1903.7	1180.4	634.6	381.4	312.4	269.6	263.0	266.3	263.0
42.5°	2153.6	2061.5	1660.4	1016.0	437.3	279.5	233.4	240.0	253.2	263.0	263.0
45°	2087.8	1907.0	1196.8	720.1	282.8	233.4	226.9	236.7	259.7	282.8	286.0
47.5°	2521.8	2291.7	1048.8	555.7	325.5	266.3	243.3	243.3	256.5	259.7	256.5
50°	3574.0	3225.4	1226.4	637.9	404.4	322.2	279.5	263.0	269.6	276.2	272.9
52.5°	4333.5	3896.2	1397.4	762.8	506.3	384.7	328.8	289.3	282.8	282.8	279.5
55°	4777.3	4280.9	1597.9	940.3	634.6	463.6	381.4	335.4	318.9	305.8	305.8
57.5°	4800.3	4294.0	1808.4	1114.6	792.4	578.7	453.7	391.3	378.1	348.5	341.9
60°	4639.2	4238.1	1969.5	1288.9	943.6	739.8	578.7	486.6	470.2	453.7	443.9
62.5°	4491.3	4146.1	2048.4	1433.5	1104.7	920.6	736.5	608.3	555.7	575.4	588.5
65°	4300.6	4044.1	1995.8	1446.7	1177.1	1029.1	851.6	664.2	575.4	618.1	641.1
67.5°	4008.0	3777.8	1864.2	1328.3	1098.2	963.4	799.0	624.7	555.7	572.1	572.1
70°	3712.0	3465.5	1736.0	1236.3	989.7	848.3	693.7	558.9	549.1	539.2	539.2
72.5°	3363.5	3070.9	1568.3	1180.4	946.9	825.3	674.0	562.2	588.5	601.7	601.7
75°	2923.0	2597.4	1390.8	1131.0	927.2	841.7	677.3	605.0	651.0	657.6	657.6
77.5°	2393.6	2038.5	1183.6	1042.3	871.3	808.8	631.3	595.1	641.1	651.0	654.3
80°	1647.2	1443.4	992.9	907.5	779.2	726.6	582.0	578.7	624.7	647.7	651.0
82.5°	835.1	822.0	723.3	713.5	664.2	634.6	539.2	562.2	611.6	644.4	647.7
85°	516.2	535.9	483.3	476.7	493.2	506.3	489.9	535.9	572.1	608.3	614.8
87.5°	430.7	453.7	404.4	384.7	391.3	414.3	434.0	483.3	516.2	545.8	549.1
90°	404.4	424.1	345.2	328.8	341.9	358.4	371.5	397.8	424.1	440.6	440.6
92.5°	355.1	361.7	286.0	272.9	292.6	302.5	299.2	305.8	305.8	272.9	272.9
95°	272.9	272.9	217.0	217.0	233.4	236.7	213.7	194.0	180.8	108.5	92.1
97.5°	197.3	194.0	157.8	157.8	171.0	167.7	141.4	118.4	98.6	62.5	65.8
100°	131.5	128.2	105.2	111.8	118.4	105.2	88.8	72.3	59.2	39.5	46.0
102.5°	78.9	75.6	69.0	72.3	69.0	65.8	52.6	42.7	36.2	23.0	26.3
105°	46.0	42.7	42.7	42.7	42.7	39.5	36.2	26.3	19.7	13.2	13.2
107.5°	32.9	32.9	32.9	29.6	29.6	26.3	23.0	19.7	13.2	9.9	6.6
110°	29.6	26.3	26.3	26.3	23.0	23.0	19.7	16.4	9.9	6.6	6.6

REPORT NUMBER: P691992

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	23.0	23.0	19.7	19.7	16.4	13.2	13.2	9.9	3.3	3.3
115°	19.7	19.7	16.4	16.4	13.2	13.2	9.9	9.9	6.6	3.3	3.3
117.5°	19.7	19.7	13.2	13.2	9.9	9.9	9.9	6.6	3.3	3.3	3.3
120°	19.7	16.4	13.2	9.9	9.9	9.9	6.6	6.6	3.3	0.0	3.3
122.5°	16.4	16.4	9.9	9.9	6.6	6.6	6.6	3.3	3.3	0.0	0.0
125°	13.2	13.2	9.9	6.6	6.6	6.6	6.6	3.3	3.3	0.0	0.0
127.5°	13.2	13.2	9.9	6.6	6.6	6.6	6.6	3.3	3.3	0.0	0.0
130°	9.9	9.9	6.6	6.6	6.6	6.6	3.3	3.3	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)