

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: P690864

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690864
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-C01-5TLD-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: 8450 lumens
Efficiency: N/A
Efficacy: 140.8 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): 60
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



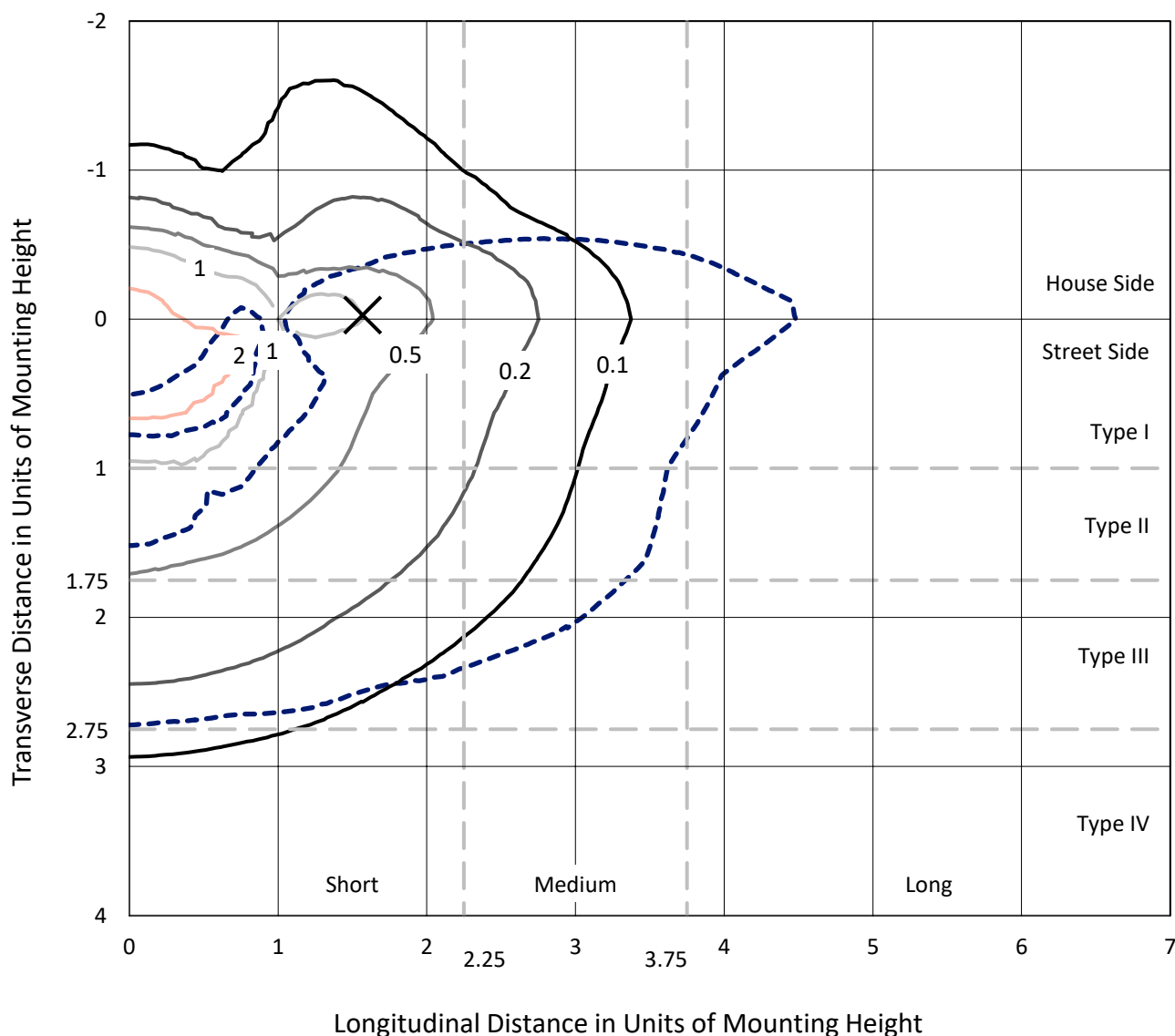
REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



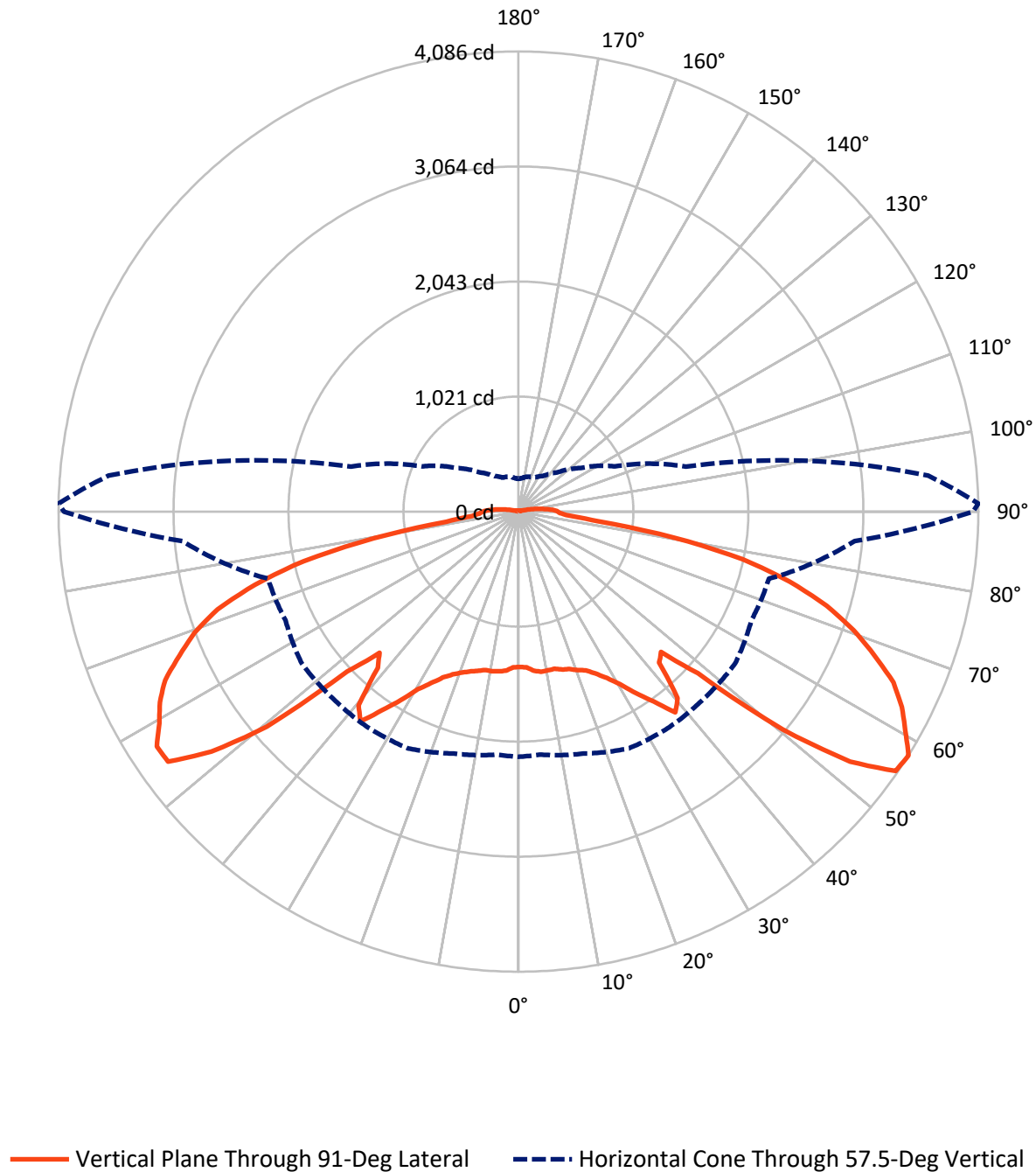
Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

Type III - Short - N/A

REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

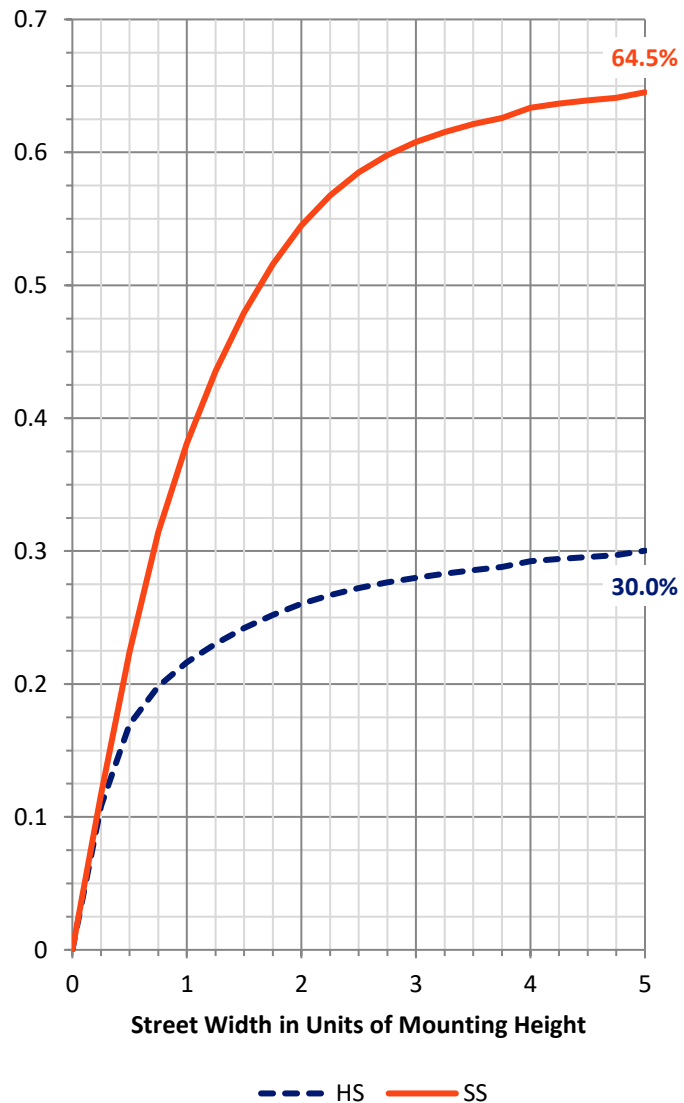
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2682.2	130.4	2812.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5525.8	111.6	5637.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	8208.0	242.0	8450.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.6
10°-20°	410.7	4.9
20°-30°	698.2	8.3
30°-40°	982.4	11.6
40°-50°	933.0	11.0
50°-60°	1397.5	16.5
60°-70°	1808.5	21.4
70°-80°	1368.6	16.2
80°-90°	474.1	5.6
90°-100°	178.0	2.1
100°-110°	41.7	0.5
110°-120°	14.4	0.2
120°-130°	7.3	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°	8208.0	97.1
0°-180°	8450.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690864

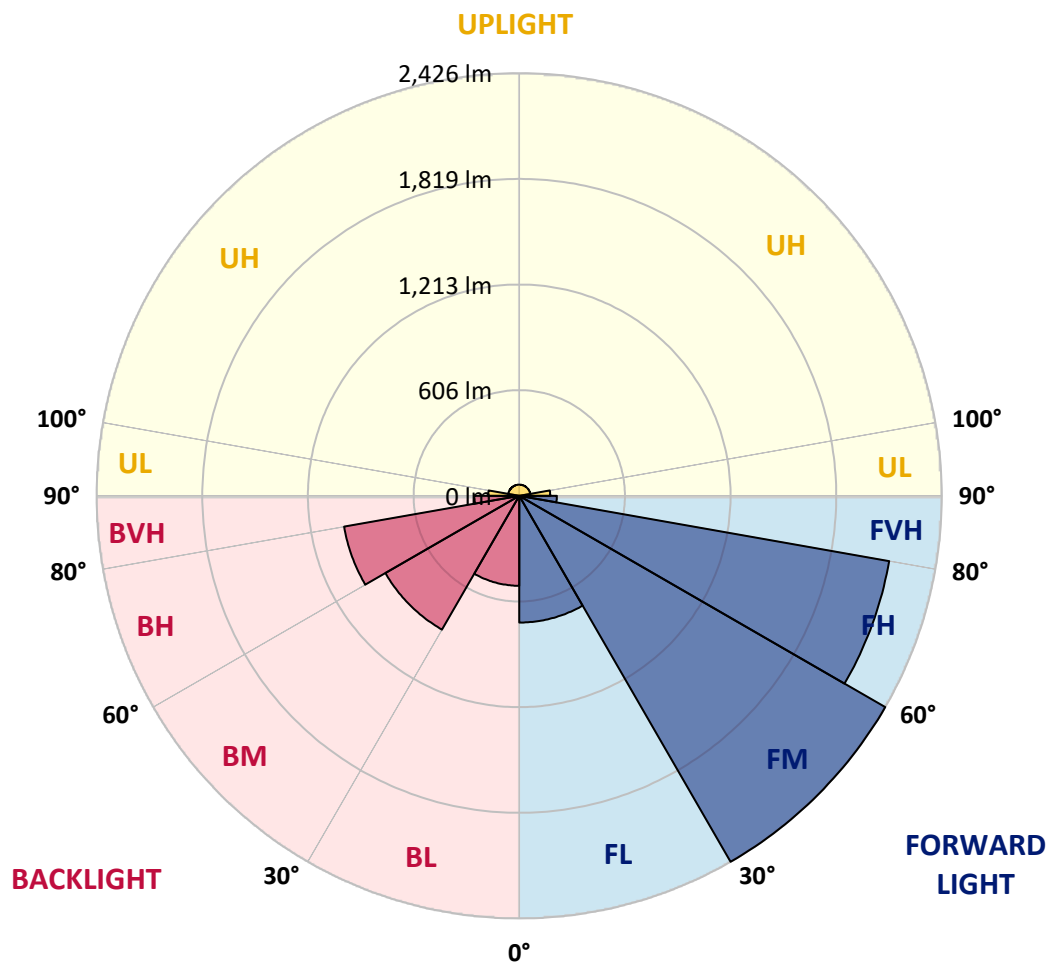
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	727.5	8.6			
FM	(30°-60°)	2425.8	28.7			
FH	(60°-80°)	2156.3	25.5			G2/5000
FVH	(80°-90°)	216.2	2.6			G2/225
BL	(0°-30°)	516.3	6.1	B2/1000		
BM	(30°-60°)	887.1	10.5	B1/1000		
BH	(60°-80°)	1020.8	12.1	B3/2500		G3/2500
BVH	(80°-90°)	257.9	3.1			G3/500
UL	(90°-100°)	178.0	2.1		U3/500	
UH	(100°-180°)	64.0	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6
2.5°	1354.4	1354.4	1354.4	1357.2	1365.6	1371.2	1374.0	1371.2	1374.0	1379.6	1385.2
5°	1393.6	1390.8	1388.0	1382.4	1379.6	1379.6	1382.4	1382.4	1388.0	1407.6	1418.8
7.5°	1430.0	1424.4	1421.6	1421.6	1418.8	1404.8	1402.0	1393.6	1390.8	1416.0	1432.8
10°	1497.2	1491.6	1474.8	1455.2	1449.6	1432.8	1407.6	1402.0	1404.8	1432.8	1438.4
12.5°	1558.7	1555.9	1544.7	1525.1	1497.2	1480.4	1444.0	1427.2	1430.0	1446.8	1435.6
15°	1662.3	1651.1	1617.5	1600.7	1572.7	1541.9	1494.4	1474.8	1480.4	1466.4	1460.8
17.5°	1723.8	1715.4	1715.4	1684.7	1665.1	1611.9	1567.1	1530.7	1544.7	1508.4	1477.6
20°	1779.8	1779.8	1782.6	1788.2	1751.8	1709.8	1648.3	1603.5	1606.3	1553.1	1508.4
22.5°	1866.6	1858.2	1866.6	1874.9	1849.8	1813.4	1737.8	1693.1	1673.5	1606.3	1547.5
25°	1956.1	1950.5	1950.5	1972.9	1981.3	1925.3	1855.4	1807.8	1779.8	1681.9	1603.5
27.5°	2045.7	2048.5	2056.8	2065.2	2079.2	2051.3	1981.3	1944.9	1908.5	1771.4	1693.1
30°	2118.4	2112.8	2149.2	2168.8	2182.8	2194.0	2115.6	2076.4	2037.3	1886.1	1793.8
32.5°	2199.6	2199.6	2233.1	2269.5	2289.1	2311.5	2247.1	2222.0	2180.0	2023.3	1961.7
35°	2266.7	2266.7	2317.1	2378.7	2415.0	2431.8	2398.3	2395.5	2387.1	2210.8	2121.2
37.5°	2040.1	2068.0	2146.4	2269.5	2409.5	2521.4	2529.8	2585.8	2613.7	2423.4	2308.7
40°	1779.8	1788.2	1880.5	1989.7	2121.2	2261.1	2395.5	2560.6	2541.0	2311.5	2210.8
42.5°	1603.5	1625.9	1743.4	1827.4	1914.1	2000.9	2000.9	1995.3	1855.4	1897.3	1858.2
45°	1586.7	1592.3	1690.3	1816.2	1849.8	1729.4	1561.5	1469.2	1480.4	1684.7	1777.0
47.5°	1760.2	1768.6	1869.4	1989.7	1869.4	1656.7	1491.6	1477.6	1469.2	1830.2	2143.6
50°	1852.6	1858.2	1953.3	2014.9	1827.4	1824.6	1827.4	1777.0	1732.2	2401.1	3075.5
52.5°	1908.5	1914.1	1908.5	1986.9	1922.5	2070.8	2020.5	1936.5	1902.9	2781.6	3632.4
55°	1760.2	1796.6	1947.7	2154.8	2160.4	2210.8	2191.2	2115.6	2112.8	2924.4	4049.3
57.5°	2177.2	2166.0	2224.8	2319.9	2336.7	2339.5	2350.7	2283.5	2303.1	2997.1	4038.1
60°	2465.4	2434.6	2373.1	2417.8	2437.4	2468.2	2507.4	2431.8	2454.2	3061.5	3861.8
62.5°	2736.9	2689.3	2451.4	2443.0	2473.8	2535.4	2591.3	2532.6	2552.2	3083.9	3738.7
65°	2697.7	2655.7	2476.6	2378.7	2423.4	2507.4	2585.8	2557.8	2552.2	3036.3	3587.6
67.5°	2325.5	2328.3	2308.7	2308.7	2291.9	2412.2	2538.2	2541.0	2513.0	2916.0	3360.9
70°	1998.1	1986.9	2017.7	2135.2	2152.0	2294.7	2462.6	2490.6	2454.2	2781.6	3142.6
72.5°	1701.4	1693.1	1698.6	1796.6	1936.5	2093.2	2283.5	2350.7	2297.5	2541.0	2876.8
75°	1407.6	1399.2	1396.4	1430.0	1541.9	1737.8	1956.1	2076.4	2031.7	2191.2	2487.8
77.5°	1069.0	1052.2	1052.2	1063.4	1147.4	1323.7	1533.5	1701.4	1679.1	1765.8	2006.5
80°	710.8	713.6	708.0	705.2	761.2	864.7	1018.6	1220.1	1208.9	1208.9	1332.1
82.5°	450.5	450.5	458.9	431.0	425.4	436.6	472.9	554.1	559.7	612.9	654.8
85°	288.2	291.0	291.0	263.1	254.7	263.1	288.2	313.4	324.6	377.8	425.4
87.5°	209.9	209.9	204.3	198.7	201.5	209.9	229.5	251.9	271.4	313.4	355.4
90°	159.5	159.5	156.7	153.9	159.5	170.7	195.9	221.1	246.3	293.8	333.0
92.5°	131.5	131.5	128.7	128.7	131.5	139.9	162.3	190.3	215.5	254.7	291.0
95°	109.1	111.9	109.1	111.9	114.7	120.3	134.3	156.7	173.5	198.7	223.9
97.5°	86.8	89.5	89.5	89.5	92.3	100.7	109.1	123.1	134.3	145.5	162.3
100°	64.4	67.2	67.2	67.2	70.0	78.4	86.8	92.3	95.1	97.9	106.3
102.5°	47.6	50.4	50.4	50.4	50.4	56.0	58.8	61.6	61.6	61.6	64.4
105°	33.6	33.6	33.6	33.6	33.6	33.6	36.4	36.4	36.4	36.4	36.4
107.5°	25.2	25.2	25.2	25.2	25.2	25.2	28.0	28.0	28.0	28.0	28.0
110°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	25.2	22.4	22.4	25.2



REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.6	19.6	19.6	19.6	19.6	19.6	22.4	22.4	19.6	19.6	19.6
115°	16.8	16.8	16.8	16.8	16.8	16.8	19.6	19.6	16.8	16.8	16.8
117.5°	14.0	14.0	14.0	14.0	14.0	14.0	16.8	16.8	14.0	16.8	16.8
120°	14.0	16.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16.8
122.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.0	14.0
125°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2
130°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
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: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6	1379.6
2.5°	1385.2	1390.8	1402.0	1413.2	1424.4	1435.6	1441.2	1444.0	1446.8	1441.2	1444.0
5°	1418.8	1424.4	1441.2	1458.0	1455.2	1446.8	1435.6	1435.6	1438.4	1438.4	1444.0
7.5°	1435.6	1444.0	1438.4	1441.2	1446.8	1438.4	1427.2	1413.2	1396.4	1396.4	1399.2
10°	1432.8	1424.4	1432.8	1424.4	1404.8	1402.0	1396.4	1376.8	1365.6	1368.4	1368.4
12.5°	1432.8	1430.0	1413.2	1404.8	1388.0	1357.2	1343.2	1348.8	1334.9	1337.7	1332.1
15°	1455.2	1435.6	1413.2	1385.2	1348.8	1332.1	1312.5	1281.7	1278.9	1278.9	1278.9
17.5°	1469.2	1455.2	1404.8	1348.8	1323.7	1281.7	1259.3	1250.9	1228.5	1236.9	1242.5
20°	1502.8	1469.2	1396.4	1337.7	1250.9	1225.7	1189.3	1180.9	1169.7	1136.2	1125.0
22.5°	1530.7	1500.0	1388.0	1284.5	1211.7	1153.0	1097.0	1057.8	1038.2	1024.2	1013.0
25°	1592.3	1544.7	1396.4	1259.3	1147.4	1071.8	1021.4	951.5	903.9	898.3	903.9
27.5°	1673.5	1597.9	1416.0	1225.7	1097.0	979.5	878.7	831.1	780.8	764.0	766.8
30°	1777.0	1676.3	1413.2	1194.9	1007.4	873.1	744.4	663.2	624.1	607.3	604.5
32.5°	1925.3	1785.4	1477.6	1155.8	926.3	724.8	584.9	484.1	464.5	461.7	458.9
35°	2070.8	1961.7	1508.4	1097.0	808.7	582.1	442.2	380.6	377.8	375.0	372.2
37.5°	2263.9	2135.2	1595.1	1060.6	696.8	439.4	355.4	310.6	302.2	288.2	293.8
40°	2177.2	2070.8	1620.3	1004.6	540.1	324.6	265.9	229.5	223.9	226.7	223.9
42.5°	1833.0	1754.6	1413.2	864.7	372.2	237.9	198.7	204.3	215.5	223.9	223.9
45°	1777.0	1623.1	1018.6	612.9	240.7	198.7	193.1	201.5	221.1	240.7	243.5
47.5°	2146.4	1950.5	892.7	472.9	277.0	226.7	207.1	207.1	218.3	221.1	218.3
50°	3041.9	2745.3	1043.8	542.9	344.2	274.2	237.9	223.9	229.5	235.1	232.3
52.5°	3688.3	3316.1	1189.3	649.2	431.0	327.4	279.8	246.3	240.7	240.7	237.9
55°	4066.1	3643.6	1360.0	800.4	540.1	394.6	324.6	285.4	271.4	260.3	260.3
57.5°	4085.7	3654.8	1539.1	948.7	674.4	492.5	386.2	333.0	321.8	296.6	291.0
60°	3948.6	3607.2	1676.3	1097.0	803.2	629.6	492.5	414.2	400.2	386.2	377.8
62.5°	3822.7	3528.8	1743.4	1220.1	940.3	783.6	626.8	517.7	472.9	489.7	500.9
65°	3660.3	3442.1	1698.6	1231.3	1001.8	875.9	724.8	565.3	489.7	526.1	545.7
67.5°	3411.3	3215.4	1586.7	1130.6	934.7	819.9	680.0	531.7	472.9	486.9	486.9
70°	3159.4	2949.5	1477.6	1052.2	842.3	722.0	590.5	475.7	467.3	458.9	458.9
72.5°	2862.8	2613.7	1334.9	1004.6	805.9	702.4	573.7	478.5	500.9	512.1	512.1
75°	2487.8	2210.8	1183.7	962.7	789.2	716.4	576.5	514.9	554.1	559.7	559.7
77.5°	2037.3	1735.0	1007.4	887.1	741.6	688.4	537.3	506.5	545.7	554.1	556.9
80°	1402.0	1228.5	845.1	772.4	663.2	618.5	495.3	492.5	531.7	551.3	554.1
82.5°	710.8	699.6	615.7	607.3	565.3	540.1	458.9	478.5	520.5	548.5	551.3
85°	439.4	456.1	411.4	405.8	419.8	431.0	417.0	456.1	486.9	517.7	523.3
87.5°	366.6	386.2	344.2	327.4	333.0	352.6	369.4	411.4	439.4	464.5	467.3
90°	344.2	361.0	293.8	279.8	291.0	305.0	316.2	338.6	361.0	375.0	375.0
92.5°	302.2	307.8	243.5	232.3	249.1	257.5	254.7	260.3	260.3	232.3	232.3
95°	232.3	232.3	184.7	184.7	198.7	201.5	181.9	165.1	153.9	92.3	78.4
97.5°	167.9	165.1	134.3	134.3	145.5	142.7	120.3	100.7	84.0	53.2	56.0
100°	111.9	109.1	89.5	95.1	100.7	89.5	75.6	61.6	50.4	33.6	39.2
102.5°	67.2	64.4	58.8	61.6	58.8	56.0	44.8	36.4	30.8	19.6	22.4
105°	39.2	36.4	36.4	36.4	36.4	33.6	30.8	22.4	16.8	11.2	11.2
107.5°	28.0	28.0	28.0	25.2	25.2	22.4	19.6	16.8	11.2	8.4	5.6
110°	25.2	22.4	22.4	22.4	19.6	19.6	16.8	14.0	8.4	5.6	5.6



REPORT NUMBER: P690864

CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	19.6	16.8	16.8	14.0	11.2	11.2	8.4	2.8	2.8
115°	16.8	16.8	14.0	14.0	11.2	11.2	8.4	8.4	5.6	2.8	2.8
117.5°	16.8	16.8	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
120°	16.8	14.0	11.2	8.4	8.4	8.4	5.6	5.6	2.8	0.0	2.8
122.5°	14.0	14.0	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
125°	11.2	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0
127.5°	11.2	11.2	8.4	5.6	5.6	5.6	5.6	2.8	2.8	0.0	0.0
130°	8.4	8.4	5.6	5.6	5.6	5.6	2.8	2.8	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)