

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: P690832

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690832
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-C01-5TLD-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: 8308 lumens
Efficiency: N/A
Efficacy: 138.5 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): 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



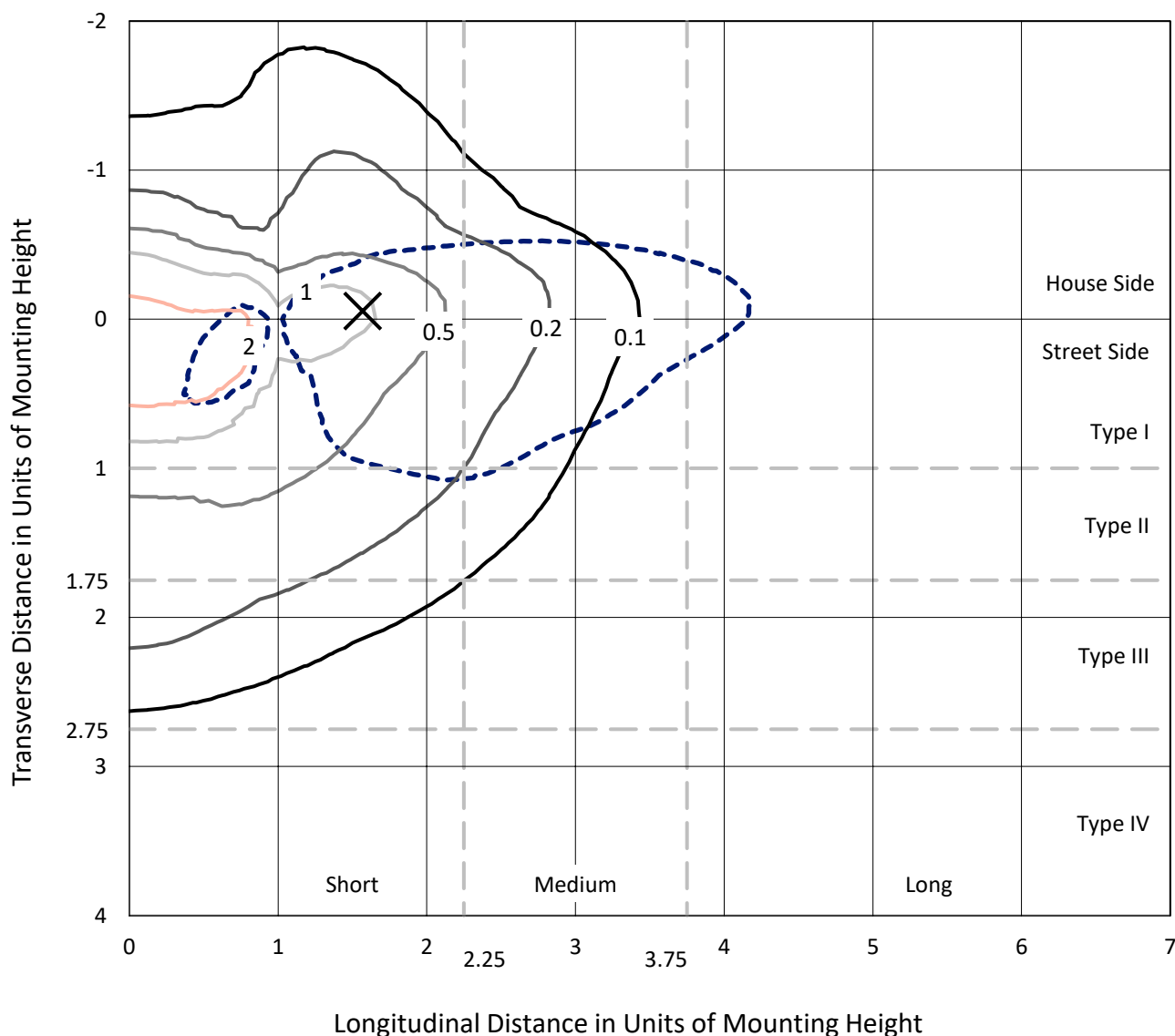
REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



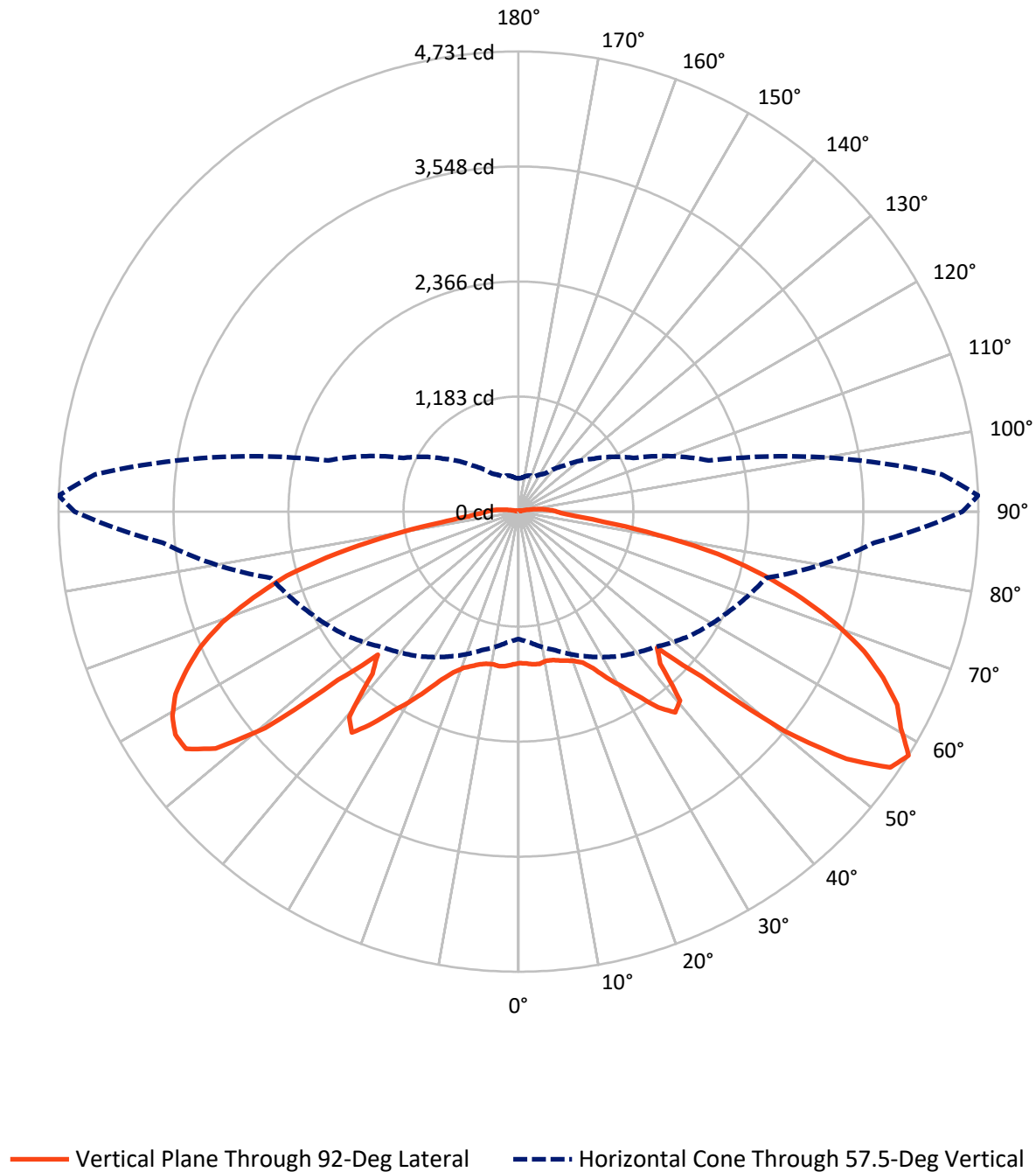
Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type I - Short - N/A

REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

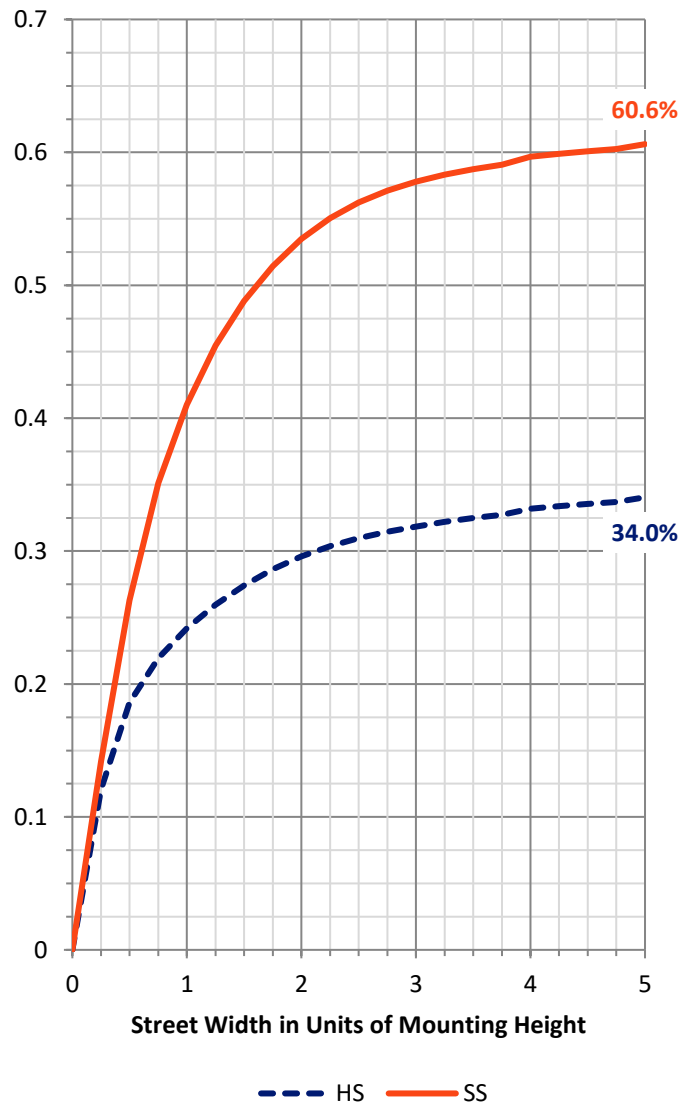
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.4	129.5	3093.9
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5108.4	105.8	5214.1
	% Fixture	61.5	1.3	62.8
Total	Lumens	8072.8	235.3	8308.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.8
10°-20°	440.2	5.3
20°-30°	730.2	8.8
30°-40°	1010.6	12.2
40°-50°	943.6	11.4
50°-60°	1410.0	17.0
60°-70°	1674.9	20.2
70°-80°	1229.2	14.8
80°-90°	484.6	5.8
90°-100°	170.7	2.1
100°-110°	40.4	0.5
110°-120°	15.6	0.2
120°-130°	8.0	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°	8072.8	97.2
0°-180°	8308.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690832

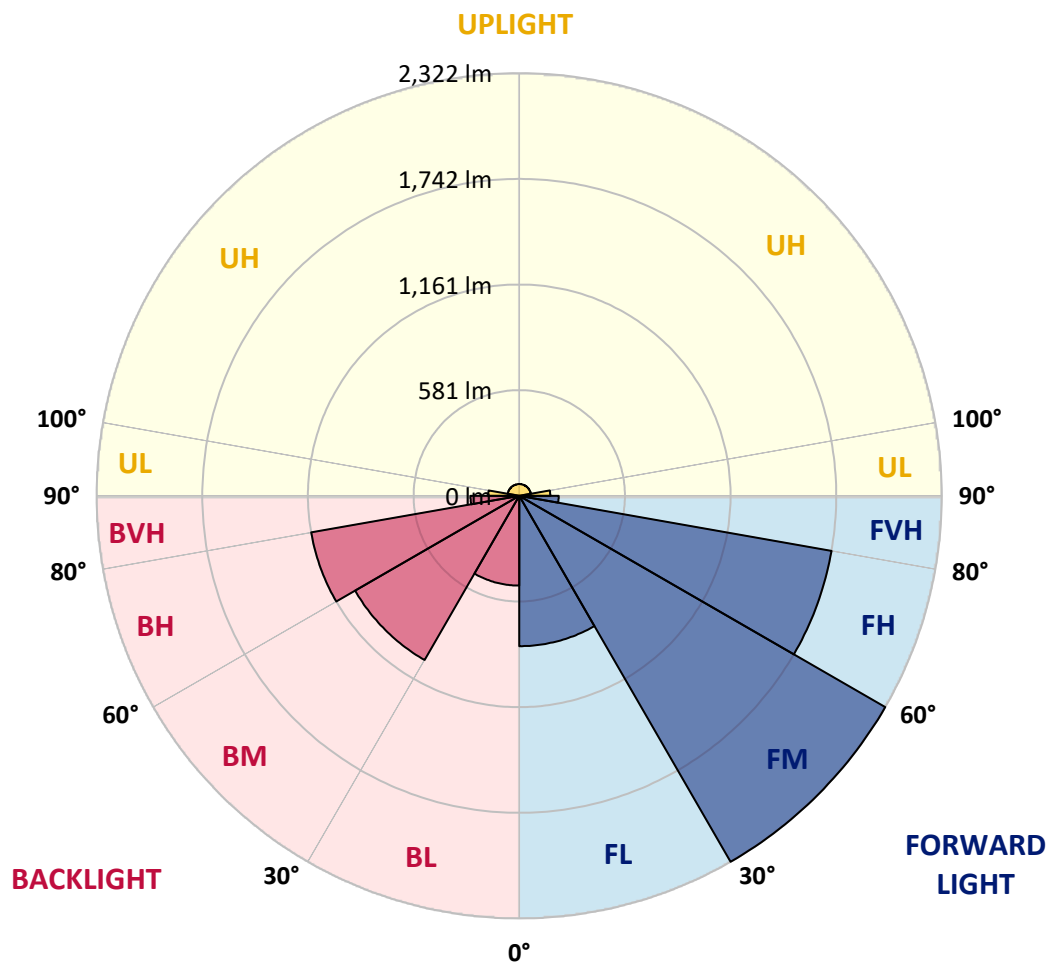
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	826.4	9.9			
FM	(30°-60°)	2322.5	28.0			
FH	(60°-80°)	1742.9	21.0			G1/1800
FVH	(80°-90°)	216.6	2.6			G2/225
BL	(0°-30°)	493.4	5.9	B1/500		
BM	(30°-60°)	1041.7	12.5	B2/2500		
BH	(60°-80°)	1161.2	14.0	B3/2500		G3/2500
BVH	(80°-90°)	268.0	3.2			G3/500
UL	(90°-100°)	170.7	2.1		U3/500	
UH	(100°-180°)	64.6	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short





REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4
2.5°	1625.6	1614.4	1617.2	1614.4	1608.8	1603.2	1597.6	1592.0	1583.6	1575.2	1569.6
5°	1720.7	1709.5	1709.5	1709.5	1698.3	1681.6	1659.2	1645.2	1625.6	1603.2	1586.4
7.5°	1785.1	1776.7	1773.9	1771.1	1757.1	1745.9	1720.7	1676.0	1645.2	1617.2	1592.0
10°	1807.5	1807.5	1804.7	1796.3	1782.3	1768.3	1751.5	1709.5	1659.2	1611.6	1578.0
12.5°	1849.4	1855.0	1846.6	1832.6	1827.0	1810.3	1785.1	1751.5	1695.5	1622.8	1583.6
15°	1913.8	1911.0	1899.8	1897.0	1891.4	1871.8	1849.4	1807.5	1743.1	1650.8	1606.0
17.5°	1941.8	1939.0	1939.0	1939.0	1939.0	1925.0	1922.2	1874.6	1807.5	1695.5	1639.6
20°	1947.4	1947.4	1955.8	1975.3	1978.1	1975.3	1989.3	1958.5	1880.2	1751.5	1676.0
22.5°	1983.7	1986.5	2000.5	2020.1	2034.1	2039.7	2050.9	2064.9	1992.1	1841.0	1745.9
25°	1964.1	1978.1	2008.9	2039.7	2073.3	2092.9	2154.4	2202.0	2140.4	1972.5	1843.8
27.5°	1930.6	1941.8	2003.3	2059.3	2134.8	2216.0	2305.5	2367.0	2330.7	2134.8	2000.5
30°	1961.3	1961.3	2000.5	2092.9	2190.8	2339.1	2470.6	2537.7	2520.9	2305.5	2182.4
32.5°	1897.0	1913.8	1997.7	2132.0	2280.3	2473.4	2607.7	2733.6	2750.4	2526.5	2327.9
35°	1706.7	1743.1	1799.1	1975.3	2227.2	2562.9	2769.9	2929.4	2999.4	2778.3	2546.1
37.5°	1410.2	1424.1	1541.7	1717.9	2017.3	2350.3	2708.4	3097.3	3242.8	2968.6	2764.4
40°	1245.1	1253.5	1329.0	1482.9	1734.7	2062.1	2364.2	2764.4	2879.1	2851.1	2658.0
42.5°	1189.1	1203.1	1292.6	1440.9	1653.6	1880.2	1958.5	2132.0	2087.3	2207.6	2269.1
45°	1256.3	1264.7	1329.0	1457.7	1592.0	1689.9	1634.0	1757.1	1818.7	2056.5	2070.5
47.5°	1303.8	1309.4	1379.4	1541.7	1564.0	1566.8	1642.4	1715.1	1885.8	2400.6	2630.1
50°	1119.2	1147.2	1281.5	1421.3	1432.5	1653.6	1869.0	2014.5	2224.4	3161.7	3600.9
52.5°	1038.0	1052.0	1197.5	1440.9	1603.2	1860.6	2014.5	2160.0	2361.5	3491.8	4264.0
55°	1138.8	1161.1	1334.6	1606.0	1768.3	1944.6	2137.6	2316.7	2515.3	3662.5	4560.6
57.5°	1309.4	1351.4	1477.3	1642.4	1813.1	1972.5	2196.4	2403.4	2635.6	3673.7	4566.2
60°	1648.0	1617.2	1547.3	1620.0	1785.1	1966.9	2224.4	2445.4	2702.8	3670.9	4437.5
62.5°	1880.2	1835.4	1603.2	1569.6	1723.5	1908.2	2162.8	2439.8	2688.8	3547.8	4292.0
65°	1835.4	1804.7	1625.6	1502.5	1614.4	1813.1	2078.9	2406.2	2621.7	3416.3	4029.0
67.5°	1583.6	1547.3	1471.7	1424.1	1480.1	1712.3	2000.5	2339.1	2543.3	3265.2	3740.8
70°	1292.6	1273.1	1247.9	1298.2	1368.2	1586.4	1857.8	2193.6	2395.0	2977.0	3433.1
72.5°	1096.8	1085.6	1054.8	1108.0	1225.5	1421.3	1648.0	1983.7	2210.4	2588.1	3052.5
75°	923.3	926.1	909.3	942.9	1018.4	1211.5	1390.6	1717.9	1969.7	2221.6	2641.2
77.5°	758.2	749.8	766.6	786.2	836.6	976.5	1096.8	1382.2	1681.6	1762.7	2025.7
80°	554.0	568.0	598.8	596.0	637.9	699.5	780.6	931.7	1180.7	1261.9	1362.6
82.5°	391.7	408.5	436.5	405.7	411.3	428.1	464.5	534.4	665.9	747.0	831.0
85°	277.0	285.4	291.0	268.6	268.6	279.8	305.0	355.3	436.5	486.8	531.6
87.5°	201.5	204.2	215.4	204.2	207.0	212.6	235.0	268.6	335.8	372.1	408.5
90°	153.9	153.9	159.5	156.7	162.3	173.5	195.9	223.8	274.2	319.0	352.5
92.5°	111.9	111.9	117.5	120.3	123.1	137.1	156.7	179.1	212.6	268.6	302.2
95°	86.7	86.7	92.3	92.3	95.1	106.3	123.1	145.5	170.7	209.8	240.6
97.5°	64.4	64.4	69.9	69.9	72.7	81.1	95.1	109.1	131.5	156.7	170.7
100°	50.4	50.4	53.2	53.2	56.0	64.4	72.7	81.1	86.7	100.7	106.3
102.5°	42.0	42.0	42.0	42.0	42.0	47.6	50.4	50.4	53.2	61.6	64.4
105°	33.6	33.6	33.6	30.8	30.8	33.6	33.6	33.6	36.4	36.4	39.2
107.5°	25.2	25.2	25.2	25.2	25.2	28.0	28.0	28.0	28.0	30.8	30.8
110°	22.4	22.4	22.4	22.4	22.4	22.4	25.2	25.2	25.2	25.2	25.2



REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-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	22.4	22.4	22.4
115°	16.8	16.8	16.8	16.8	16.8	19.6	22.4	19.6	19.6	19.6	19.6
117.5°	14.0	14.0	14.0	16.8	16.8	16.8	19.6	16.8	16.8	16.8	19.6
120°	11.2	11.2	14.0	14.0	14.0	14.0	14.0	14.0	16.8	16.8	16.8
122.5°	11.2	11.2	11.2	11.2	11.2	14.0	14.0	14.0	14.0	14.0	16.8
125°	8.4	8.4	8.4	11.2	11.2	11.2	11.2	11.2	11.2	14.0	14.0
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	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: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4	1558.4
2.5°	1564.0	1564.0	1547.3	1530.5	1513.7	1496.9	1482.9	1474.5	1463.3	1466.1	1466.1
5°	1578.0	1569.6	1533.3	1510.9	1485.7	1463.3	1440.9	1421.3	1415.8	1413.0	1401.8
7.5°	1580.8	1566.8	1527.7	1494.1	1446.5	1393.4	1368.2	1345.8	1331.8	1343.0	1337.4
10°	1561.2	1544.5	1499.7	1449.3	1382.2	1337.4	1298.2	1275.9	1264.7	1267.5	1264.7
12.5°	1566.8	1547.3	1474.5	1399.0	1343.0	1267.5	1219.9	1200.3	1186.3	1186.3	1177.9
15°	1589.2	1555.6	1452.1	1373.8	1281.5	1217.1	1161.1	1147.2	1141.6	1136.0	1127.6
17.5°	1611.6	1564.0	1449.3	1329.0	1225.5	1155.5	1099.6	1074.4	1060.4	1060.4	1057.6
20°	1639.6	1580.8	1432.5	1281.5	1172.3	1080.0	1012.8	990.5	979.3	976.5	970.9
22.5°	1687.2	1625.6	1424.1	1261.9	1102.4	1007.3	942.9	900.9	878.5	875.8	875.8
25°	1782.3	1706.7	1440.9	1208.7	1054.8	931.7	853.4	811.4	786.2	786.2	783.4
27.5°	1933.4	1813.1	1466.1	1189.1	965.3	850.6	769.4	705.1	682.7	682.7	685.5
30°	2081.7	1975.3	1530.5	1147.2	914.9	744.2	646.3	598.8	570.8	559.6	562.4
32.5°	2257.9	2146.0	1620.0	1119.2	814.2	618.3	528.8	503.6	461.7	450.5	442.1
35°	2473.4	2311.1	1720.7	1080.0	735.9	526.0	453.3	402.9	383.3	369.3	366.5
37.5°	2618.9	2476.2	1810.3	1088.4	626.7	475.6	394.5	341.3	321.8	324.6	324.6
40°	2557.3	2392.2	1832.6	1032.4	534.4	414.1	330.2	299.4	288.2	291.0	293.8
42.5°	2137.6	2050.9	1516.5	923.3	442.1	333.0	277.0	277.0	285.4	277.0	277.0
45°	1997.7	1779.5	1102.4	649.1	333.0	274.2	263.0	271.4	291.0	291.0	291.0
47.5°	2529.3	2283.1	987.7	542.8	372.1	307.8	285.4	271.4	274.2	271.4	271.4
50°	3547.8	3161.7	1326.2	677.1	450.5	366.5	324.6	296.6	296.6	291.0	285.4
52.5°	4224.9	3819.2	1614.4	847.8	565.2	428.1	372.1	321.8	305.0	293.8	291.0
55°	4644.6	4336.8	1863.4	1085.6	735.9	509.2	414.1	360.9	335.8	313.4	310.6
57.5°	4731.3	4373.2	2028.5	1303.8	948.5	668.7	475.6	400.1	383.3	346.9	341.3
60°	4518.7	4280.8	2092.9	1446.5	1133.2	881.3	621.1	464.5	428.1	402.9	397.3
62.5°	4370.4	4096.2	2070.5	1494.1	1247.9	1057.6	817.0	570.8	467.3	470.1	495.2
65°	4121.3	3936.7	1905.4	1424.1	1242.3	1116.4	917.7	660.3	481.2	475.6	506.4
67.5°	3836.0	3690.5	1740.3	1270.3	1144.4	1035.2	853.4	629.5	456.1	428.1	430.9
70°	3469.4	3346.3	1572.4	1183.5	1054.8	917.7	741.5	545.6	450.5	405.7	405.7
72.5°	3046.9	2901.5	1432.5	1119.2	1007.3	881.3	710.7	526.0	484.0	467.3	481.2
75°	2599.3	2414.6	1323.4	1057.6	973.7	881.3	707.9	526.0	484.0	470.1	470.1
77.5°	2095.6	1986.5	1205.9	959.7	906.5	839.4	651.9	489.6	475.6	470.1	470.1
80°	1449.3	1432.5	982.1	833.8	819.8	794.6	612.7	472.8	472.8	464.5	453.3
82.5°	889.7	847.8	702.3	623.9	671.5	707.9	556.8	444.9	433.7	425.3	419.7
85°	576.4	579.2	492.4	436.5	464.5	540.0	470.1	402.9	386.1	391.7	391.7
87.5°	442.1	456.1	386.1	355.3	349.7	366.5	369.3	360.9	349.7	341.3	344.1
90°	380.5	386.1	310.6	285.4	282.6	288.2	288.2	305.0	305.0	277.0	260.2
92.5°	319.0	327.4	257.4	232.2	232.2	240.6	246.2	246.2	223.8	181.9	162.3
95°	251.8	257.4	204.2	184.7	187.5	187.5	184.7	176.3	137.1	81.1	72.7
97.5°	176.3	179.1	151.1	139.9	142.7	137.1	120.3	109.1	83.9	47.6	44.8
100°	111.9	114.7	95.1	92.3	100.7	89.5	78.3	72.7	50.4	30.8	36.4
102.5°	67.2	67.2	58.8	56.0	61.6	53.2	47.6	39.2	30.8	19.6	25.2
105°	39.2	39.2	36.4	36.4	36.4	33.6	30.8	25.2	16.8	14.0	14.0
107.5°	30.8	30.8	28.0	28.0	25.2	25.2	22.4	16.8	11.2	8.4	8.4
110°	25.2	25.2	22.4	22.4	22.4	19.6	16.8	14.0	8.4	5.6	5.6



REPORT NUMBER: P690832

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	22.4	19.6	19.6	16.8	16.8	14.0	11.2	8.4	5.6	5.6
115°	19.6	19.6	16.8	14.0	14.0	14.0	11.2	8.4	5.6	2.8	5.6
117.5°	19.6	19.6	14.0	11.2	11.2	11.2	8.4	8.4	5.6	2.8	2.8
120°	16.8	16.8	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
122.5°	14.0	14.0	11.2	8.4	8.4	8.4	5.6	5.6	2.8	2.8	2.8
125°	14.0	14.0	8.4	8.4	8.4	5.6	5.6	5.6	2.8	0.0	0.0
127.5°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
130°	8.4	8.4	8.4	8.4	5.6	5.6	5.6	2.8	2.8	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)