

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: P690935

Luminaire Tested: **CRTK2-C01-D-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8680 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
Input Voltage (V): NR
Input Current (A_{in}): 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

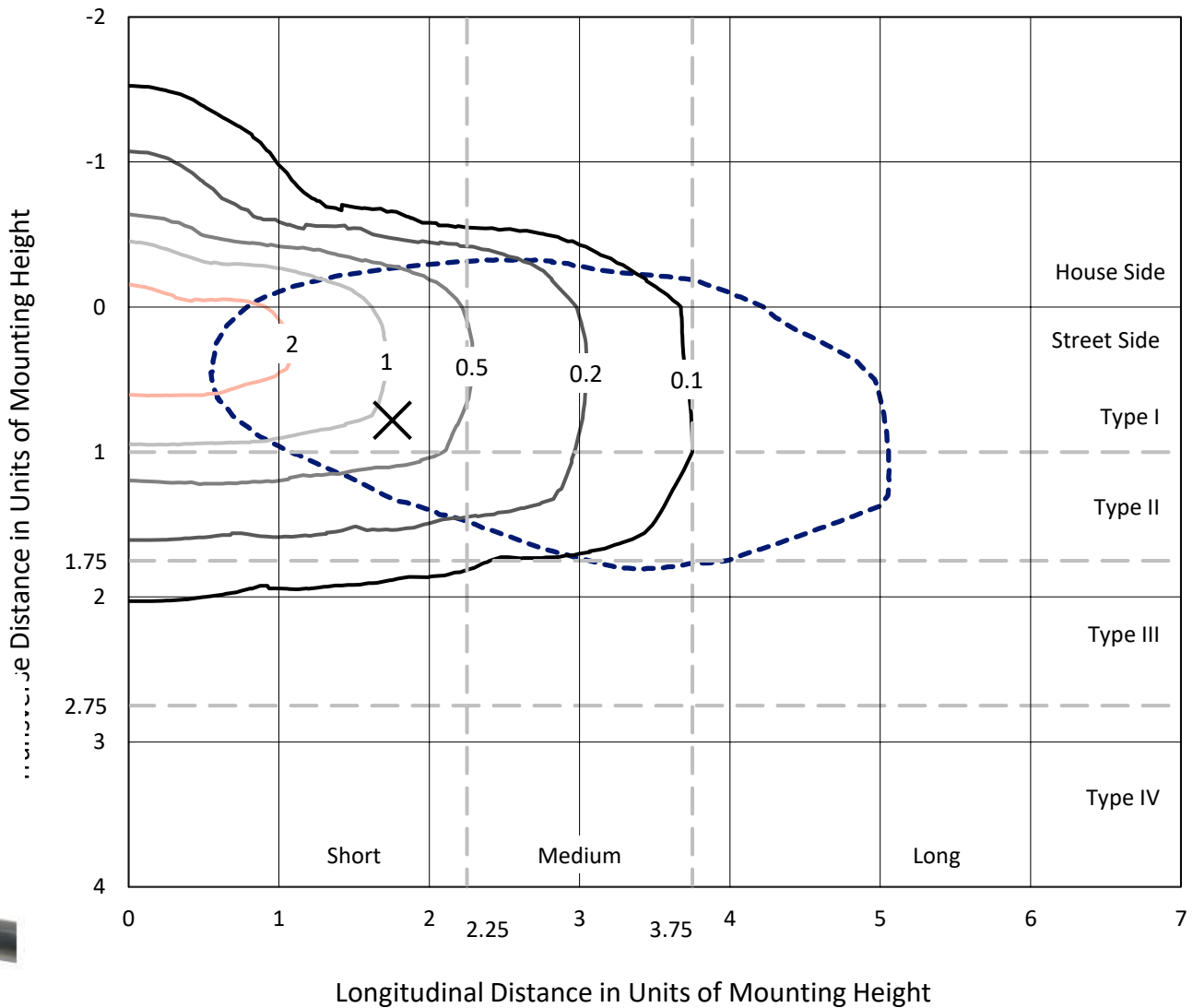


REPORT NUMBER: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

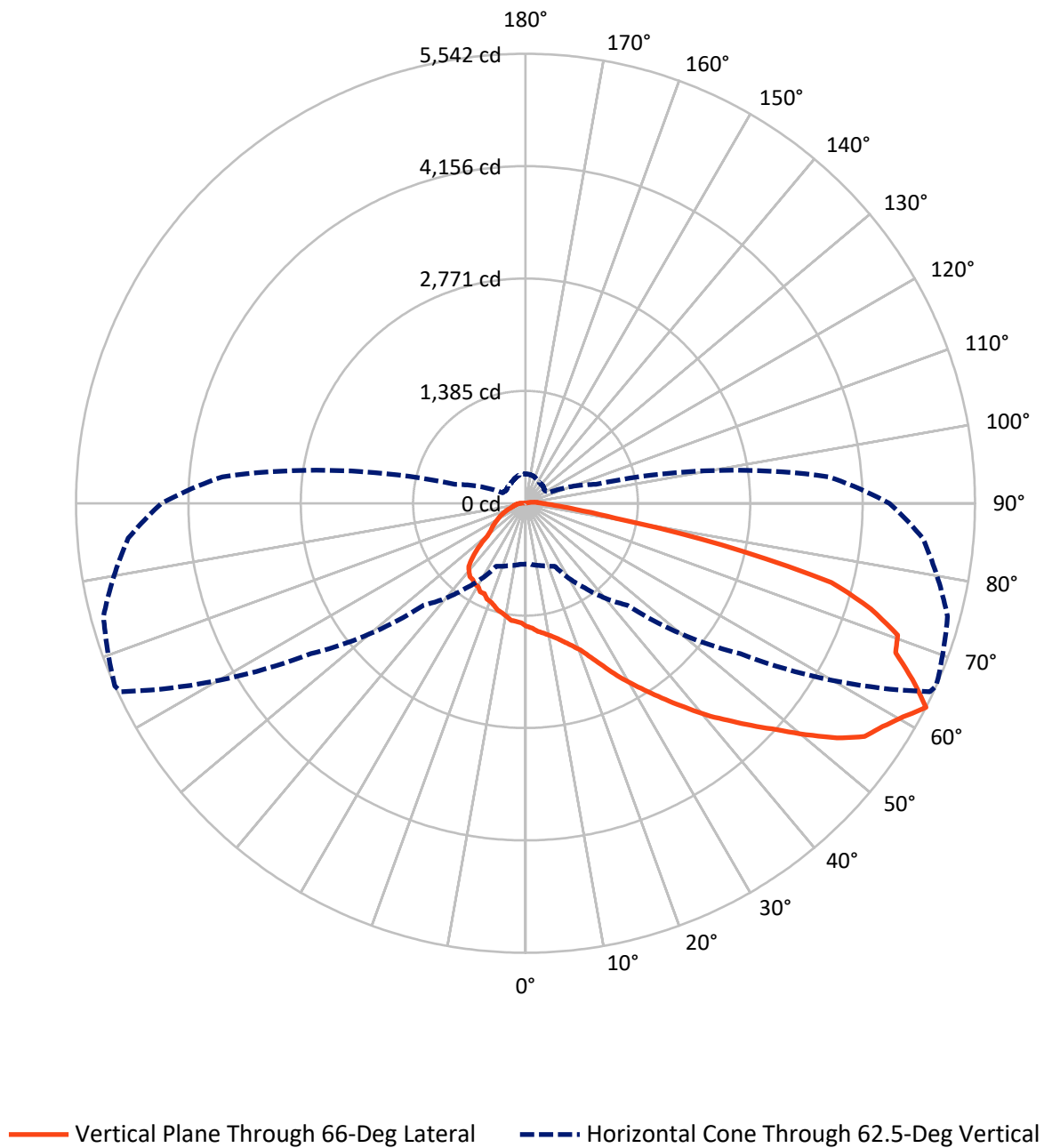


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

REPORT NUMBER: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

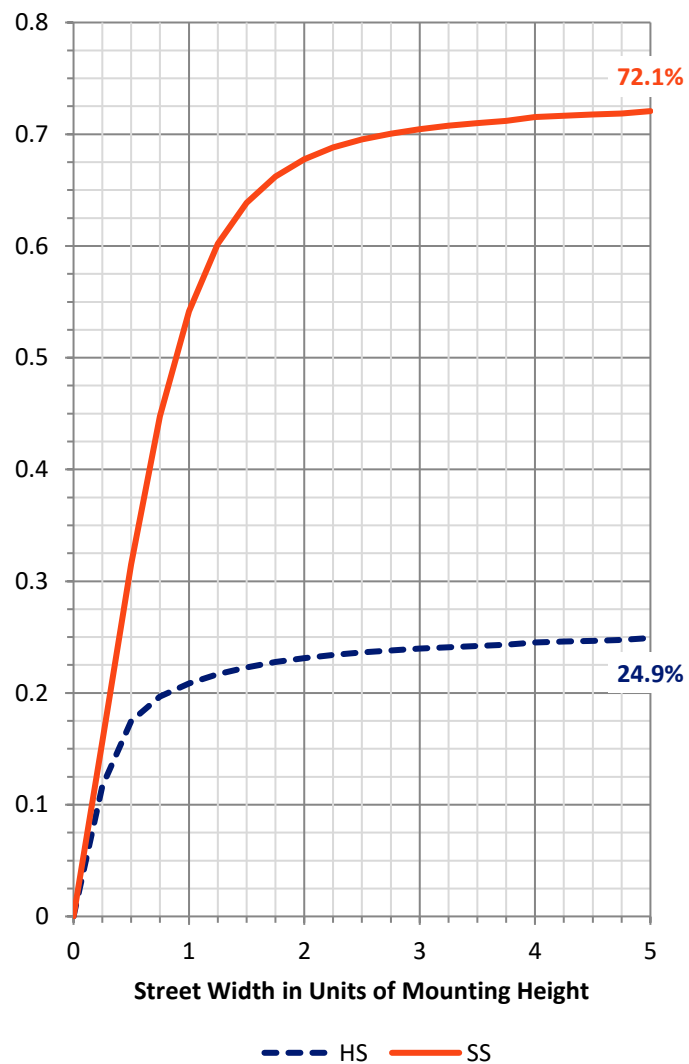
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2259.3	62.4	2321.8
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6296.5	61.8	6358.3
	% Fixture	72.5	0.7	73.3
Total	Lumens	8555.8	124.2	8680.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	1.7
10°-20°	436.4	5.0
20°-30°	738.5	8.5
30°-40°	1080.4	12.4
40°-50°	1412.2	16.3
50°-60°	1643.3	18.9
60°-70°	1644.1	18.9
70°-80°	1134.4	13.1
80°-90°	320.6	3.7
90°-100°	105.7	1.2
100°-110°	14.5	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8555.8	98.6
0°-180°	8680.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690935

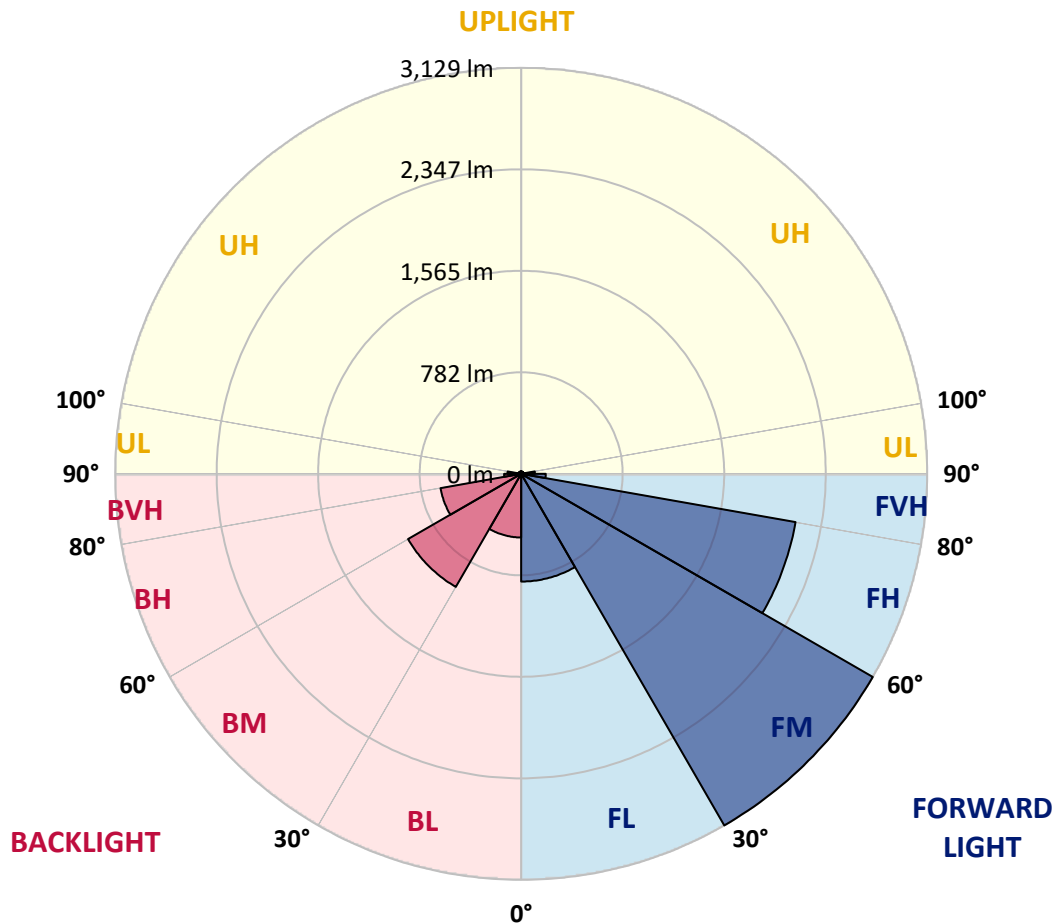
CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	830.3	9.6			
FM	(30°-60°)	3129.4	36.1			
FH	(60°-80°)	2147.4	24.7			G2/5000
FVH	(80°-90°)	189.4	2.2			G2/225
BL	(0°-30°)	490.3	5.6	B1/500		
BM	(30°-60°)	1006.6	11.6	B2/2500		
BH	(60°-80°)	631.1	7.3	B2/1000		G2/1000
BVH	(80°-90°)	131.3	1.5			G2/225
UL	(90°-100°)	105.7	1.2		U3/500	
UH	(100°-180°)	18.5	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



REPORT NUMBER: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6
2.5°	1594.4	1591.5	1591.5	1577.1	1562.7	1559.8	1551.1	1539.6	1539.6	1531.0	1516.6
5°	1689.5	1686.7	1689.5	1669.4	1649.2	1631.9	1603.0	1588.6	1585.7	1565.6	1536.7
7.5°	1755.9	1753.0	1750.1	1732.8	1724.1	1706.8	1666.5	1623.2	1617.5	1597.3	1559.8
10°	1781.8	1784.7	1799.1	1770.3	1753.0	1738.6	1715.5	1663.6	1657.8	1611.7	1554.0
12.5°	1851.0	1853.9	1845.2	1810.6	1804.9	1793.3	1755.9	1712.6	1706.8	1649.2	1568.4
15°	1923.1	1923.1	1911.5	1891.4	1876.9	1865.4	1819.3	1773.2	1770.3	1701.1	1605.9
17.5°	1954.8	1960.6	1963.4	1937.5	1931.7	1928.8	1905.8	1848.1	1842.4	1776.0	1657.8
20°	1975.0	1977.9	1980.7	1977.9	1980.7	1977.9	1989.4	1943.3	1928.8	1859.6	1715.5
22.5°	2015.3	2021.1	2041.3	2041.3	2049.9	2070.1	2061.5	2067.2	2061.5	1977.9	1813.5
25°	2035.5	2044.2	2070.1	2101.8	2139.3	2162.4	2194.1	2217.2	2220.0	2145.1	1963.4
27.5°	2003.8	2024.0	2090.3	2139.3	2225.8	2286.4	2361.3	2398.8	2404.6	2332.5	2124.9
30°	2044.2	2044.2	2084.5	2153.7	2260.4	2401.7	2517.0	2574.7	2580.4	2525.7	2286.4
32.5°	1969.2	1986.5	2078.8	2211.4	2364.2	2525.7	2638.1	2750.6	2765.0	2747.7	2517.0
35°	1960.6	1969.2	2026.9	2165.3	2370.0	2641.0	2796.7	2943.7	2972.6	2978.3	2739.0
37.5°	1879.8	1891.4	1998.0	2171.0	2450.7	2721.7	2920.7	3162.8	3188.8	3229.2	2932.2
40°	1778.9	1796.2	1882.7	2075.9	2427.6	2816.9	3053.3	3393.5	3431.0	3480.0	3185.9
42.5°	1646.3	1678.0	1825.1	2032.6	2416.1	2848.6	3180.1	3624.2	3658.8	3710.6	3399.3
45°	1533.9	1542.5	1660.7	1876.9	2323.8	2891.8	3298.4	3883.6	3906.7	3932.7	3572.3
47.5°	1432.9	1450.2	1551.1	1753.0	2225.8	2883.2	3402.1	4128.7	4169.1	4246.9	3782.7
50°	1133.1	1173.5	1458.9	1646.3	2075.9	2857.2	3488.6	4417.0	4483.3	4512.2	4022.0
52.5°	980.3	991.8	1136.0	1542.5	1908.7	2770.7	3563.6	4731.3	4806.3	4739.9	4310.4
55°	905.3	916.9	983.2	1332.0	1778.9	2594.9	3621.3	5028.3	5074.4	4918.7	4523.7
57.5°	865.0	873.6	908.2	1078.3	1620.3	2315.2	3627.0	5175.3	5192.6	5060.0	4633.3
60°	795.8	804.4	865.0	939.9	1444.5	2018.2	3526.1	5258.9	5348.3	5233.0	4843.7
62.5°	749.6	755.4	795.8	856.3	1274.4	1776.0	3232.0	5498.2	5541.5	5385.8	4915.8
65°	692.0	697.7	735.2	790.0	1164.8	1640.5	3105.2	5400.2	5241.6	5348.3	5011.0
67.5°	625.6	634.3	668.9	715.0	983.2	1507.9	2739.0	5034.0	4921.6	5158.0	4763.0
70°	565.1	570.9	608.4	634.3	807.3	1334.9	2274.8	4748.6	4866.8	4863.9	4538.1
72.5°	498.8	504.6	536.3	559.3	674.7	1130.2	1804.9	4419.9	4454.5	4330.5	4016.3
75°	429.6	432.5	461.3	484.4	553.6	905.3	1317.6	3655.9	3895.2	4140.2	3474.2
77.5°	346.0	354.6	377.7	389.2	444.0	723.7	859.2	2165.3	2473.8	3641.5	3105.2
80°	259.5	259.5	276.8	282.6	328.7	539.2	542.0	1043.7	1121.6	2315.2	2306.5
82.5°	164.3	173.0	190.3	187.4	222.0	308.5	343.1	579.5	622.8	916.9	1023.5
85°	132.6	135.5	147.0	138.4	147.0	167.2	193.2	366.2	380.6	559.3	556.5
87.5°	109.6	112.4	121.1	115.3	118.2	126.9	149.9	245.1	250.8	360.4	371.9
90°	83.6	86.5	98.0	95.1	92.3	103.8	124.0	187.4	196.1	285.4	305.6
92.5°	54.8	54.8	63.4	63.4	63.4	75.0	109.6	144.2	149.9	259.5	273.9
95°	40.4	40.4	43.2	46.1	43.2	54.8	80.7	129.7	141.3	242.2	236.4
97.5°	25.9	25.9	28.8	31.7	28.8	34.6	46.1	92.3	103.8	187.4	184.5
100°	17.3	17.3	17.3	17.3	17.3	17.3	25.9	60.5	69.2	118.2	115.3
102.5°	11.5	11.5	11.5	11.5	8.6	8.6	11.5	28.8	31.7	63.4	60.5
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.5	14.4	25.9	25.9
107.5°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	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	2.9	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: P690935

CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6	1516.6
2.5°	1510.8	1502.1	1487.7	1473.3	1464.7	1456.0	1441.6	1430.1	1430.1	1444.5	1444.5
5°	1516.6	1499.3	1470.4	1458.9	1444.5	1424.3	1401.2	1383.9	1375.3	1386.8	1389.7
7.5°	1531.0	1505.0	1476.2	1450.2	1401.2	1363.7	1343.6	1320.5	1317.6	1329.1	1334.9
10°	1519.4	1493.5	1458.9	1409.9	1358.0	1329.1	1291.7	1262.8	1262.8	1254.2	1259.9
12.5°	1531.0	1496.4	1427.2	1375.3	1329.1	1265.7	1219.6	1190.8	1187.9	1196.5	1196.5
15°	1559.8	1507.9	1418.5	1355.1	1280.1	1216.7	1170.6	1138.9	1147.5	1130.2	1133.1
17.5°	1594.4	1516.6	1418.5	1309.0	1225.4	1164.8	1101.4	1063.9	1066.8	1069.7	1072.5
20°	1637.6	1539.6	1404.1	1274.4	1173.5	1087.0	1014.9	986.0	977.4	983.2	986.0
22.5°	1704.0	1591.5	1398.3	1257.1	1101.4	1017.8	954.3	896.7	890.9	890.9	890.9
25°	1813.5	1669.4	1424.3	1199.4	1063.9	937.0	865.0	810.2	784.2	787.1	790.0
27.5°	1980.7	1793.3	1450.2	1202.3	977.4	865.0	775.6	715.0	700.6	703.5	706.4
30°	2156.6	1960.6	1516.6	1144.6	928.4	755.4	663.1	619.9	602.6	593.9	596.8
32.5°	2292.1	2107.6	1608.8	1127.3	839.0	637.2	579.5	544.9	521.9	513.2	513.2
35°	2508.4	2251.8	1683.8	1084.1	746.7	562.2	516.1	478.6	467.1	461.3	461.3
37.5°	2692.9	2410.3	1761.6	1066.8	634.3	504.6	446.9	423.8	423.8	418.1	415.2
40°	2891.8	2577.6	1804.9	1014.9	547.8	444.0	386.3	383.5	392.1	392.1	392.1
42.5°	3131.1	2750.6	1851.0	954.3	481.5	374.8	343.1	366.2	386.3	392.1	392.1
45°	3309.9	2860.1	1871.2	824.6	415.2	325.8	337.3	360.4	386.3	395.0	392.1
47.5°	3462.7	3018.7	1842.4	666.0	357.5	317.1	331.6	351.7	383.5	395.0	395.0
50°	3615.5	3154.2	1822.2	481.5	334.4	317.1	331.6	340.2	374.8	389.2	389.2
52.5°	3840.4	3260.9	1741.4	403.6	317.1	320.0	337.3	337.3	369.0	386.3	395.0
55°	4128.7	3505.9	1588.6	377.7	311.4	317.1	340.2	340.2	363.3	380.6	386.3
57.5°	4246.9	3592.4	1326.3	354.6	305.6	317.1	331.6	337.3	366.2	377.7	374.8
60°	4402.6	3733.7	1087.0	331.6	294.1	311.4	320.0	340.2	363.3	366.2	363.3
62.5°	4486.2	3751.0	899.6	308.5	285.4	302.7	305.6	328.7	351.7	360.4	363.3
65°	4532.4	3733.7	666.0	285.4	276.8	291.2	294.1	314.3	337.3	343.1	346.0
67.5°	4365.1	3615.5	461.3	262.4	268.1	276.8	282.6	302.7	320.0	337.3	343.1
70°	4065.3	3272.4	328.7	233.5	253.7	262.4	273.9	294.1	311.4	334.4	340.2
72.5°	3733.7	2635.2	242.2	198.9	233.5	245.1	265.3	279.7	305.6	334.4	343.1
75°	3422.3	2312.3	193.2	170.1	198.9	224.9	250.8	271.0	308.5	409.4	423.8
77.5°	2427.6	1562.7	173.0	149.9	170.1	196.1	230.7	265.3	429.6	487.3	490.1
80°	1761.6	919.7	155.7	132.6	147.0	158.6	210.5	325.8	475.7	449.8	449.8
82.5°	882.3	493.0	147.0	118.2	126.9	129.7	187.4	415.2	383.5	400.8	403.6
85°	426.7	239.3	121.1	103.8	109.6	106.7	175.9	395.0	363.3	366.2	360.4
87.5°	268.1	147.0	95.1	86.5	89.4	86.5	167.2	377.7	380.6	311.4	317.1
90°	242.2	173.0	75.0	69.2	60.5	72.1	149.9	351.7	371.9	224.9	187.4
92.5°	233.5	187.4	54.8	49.0	43.2	57.7	112.4	285.4	227.8	95.1	57.7
95°	207.6	164.3	46.1	34.6	40.4	49.0	72.1	190.3	152.8	0.0	0.0
97.5°	155.7	121.1	37.5	23.1	129.7	43.2	40.4	124.0	43.2	0.0	0.0
100°	98.0	75.0	28.8	17.3	147.0	28.8	25.9	72.1	0.0	0.0	0.0
102.5°	54.8	40.4	14.4	11.5	63.4	14.4	17.3	17.3	0.0	0.0	0.0
105°	23.1	20.2	5.8	5.8	5.8	2.9	8.6	0.0	0.0	0.0	0.0
107.5°	5.8	8.6	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690935
 CATALOG NUMBER: CRTK2-C01-D-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)