

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: P690959

Luminaire Tested: **CRTK2-C01-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8546 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
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

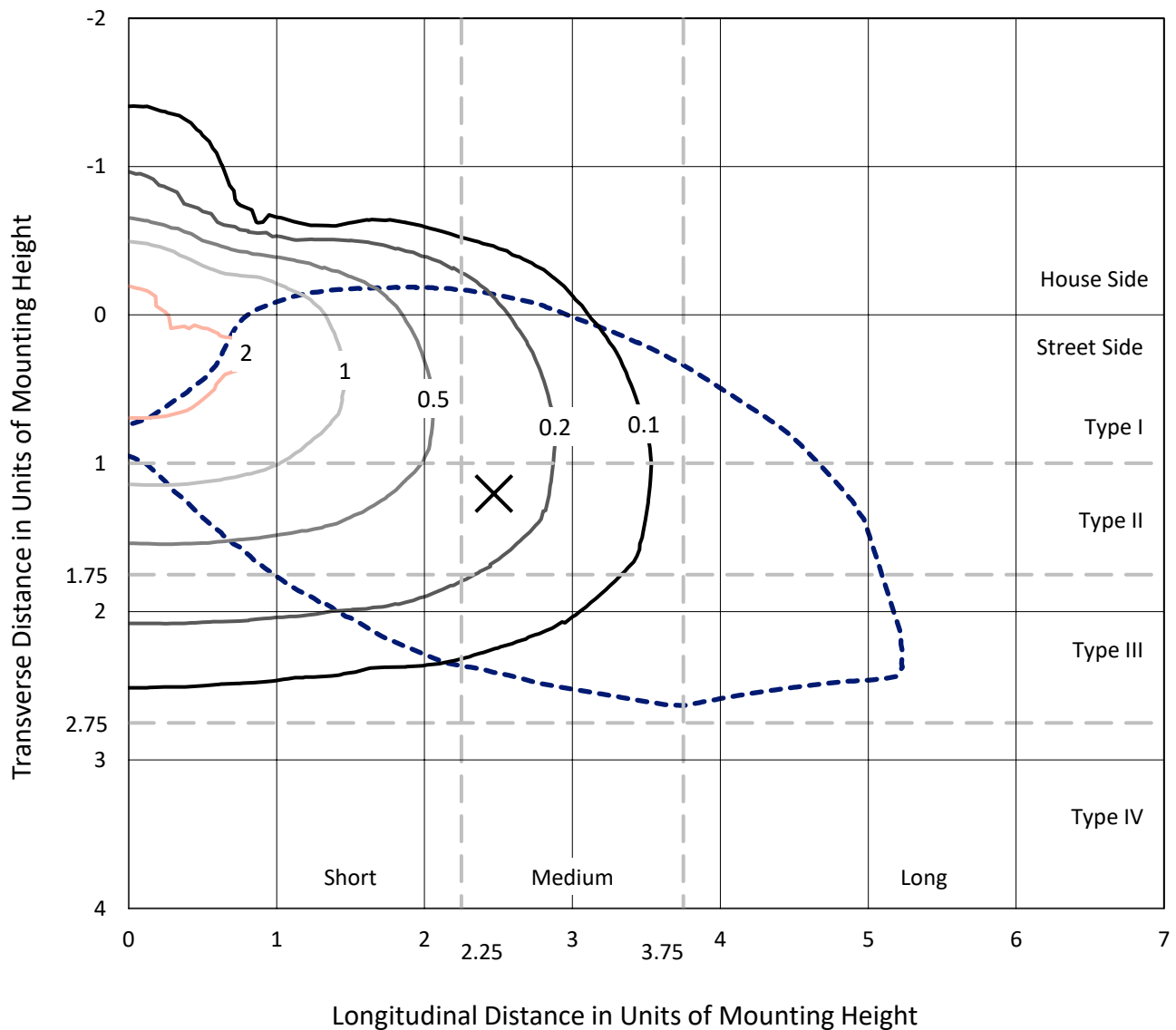


REPORT NUMBER: P690959

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

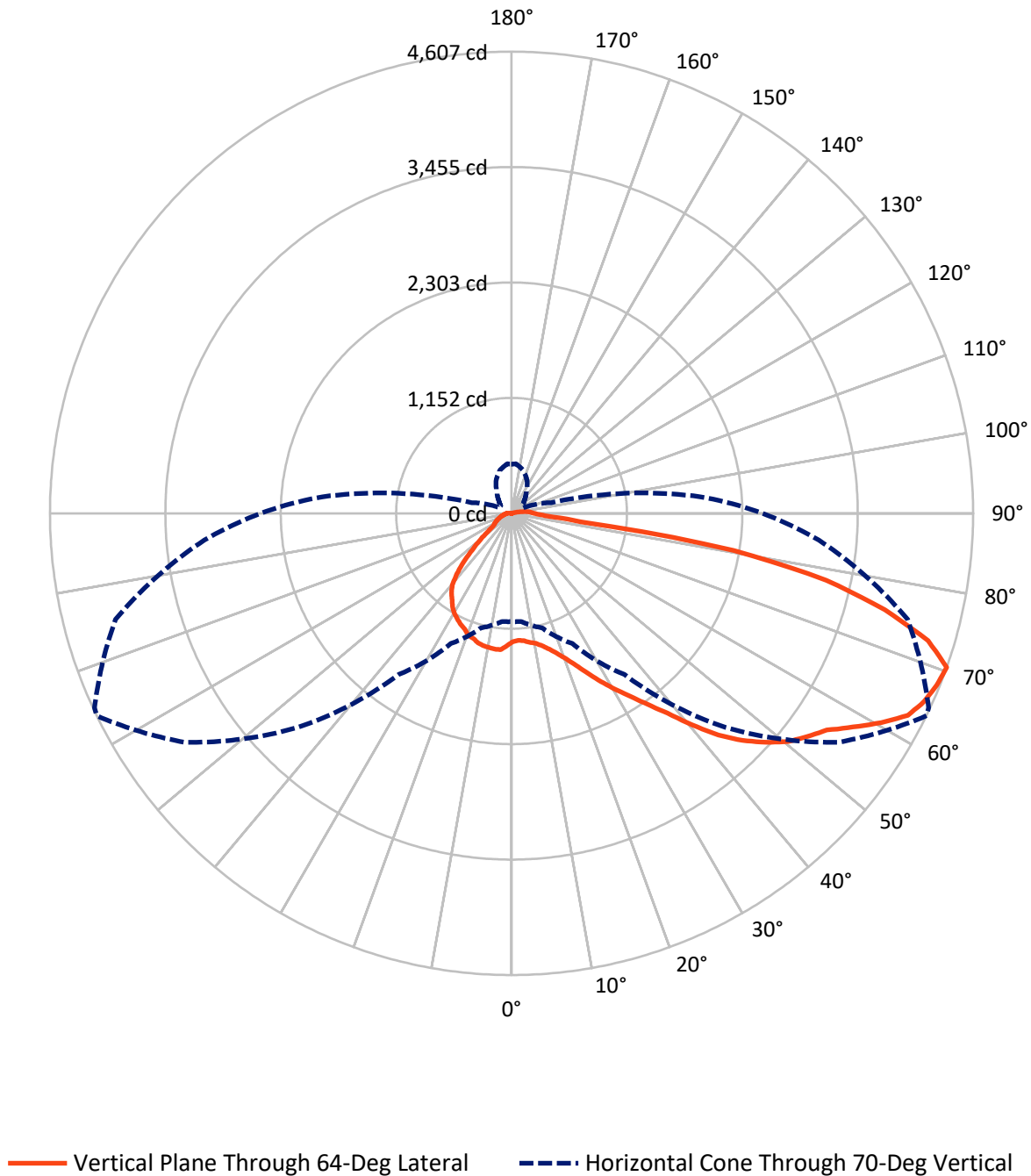
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P690959
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P690959

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

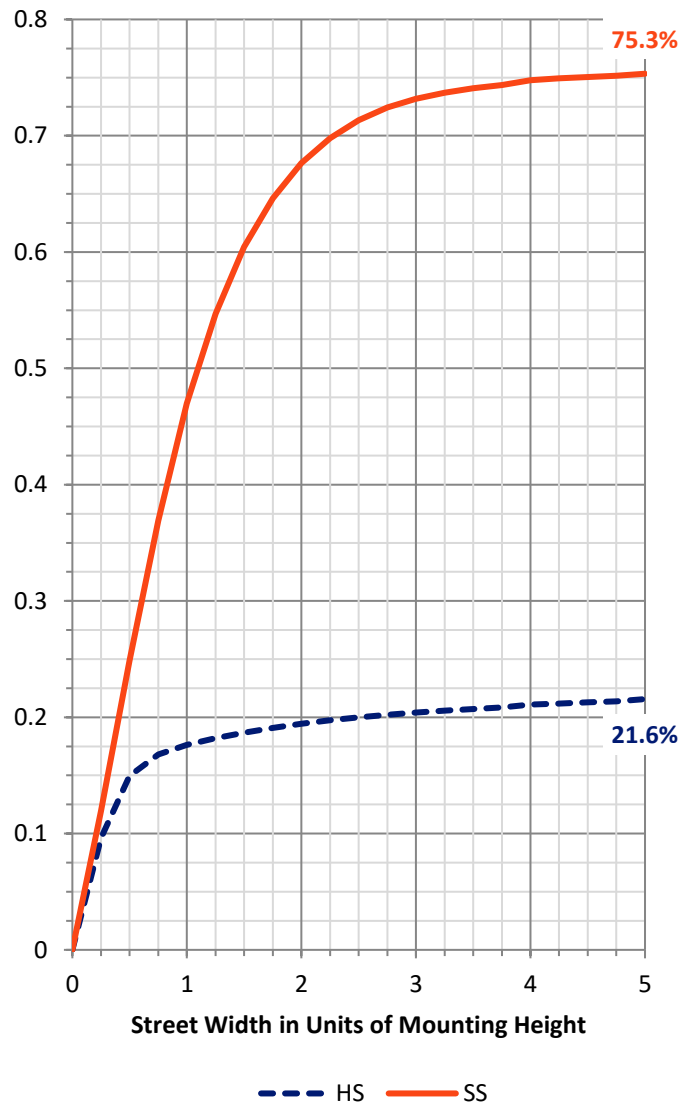
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1948.2	52.8	2001.0
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6476.8	68.2	6545.0
	% Fixture	75.8	0.8	76.6
Total	Lumens	8425.0	120.9	8546.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.5
10°-20°	397.9	4.7
20°-30°	690.3	8.1
30°-40°	1001.7	11.7
40°-50°	1344.2	15.7
50°-60°	1625.3	19.0
60°-70°	1749.5	20.5
70°-80°	1201.6	14.1
80°-90°	286.7	3.4
90°-100°	103.8	1.2
100°-110°	13.0	0.2
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8425.0	98.6
0°-180°	8546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690959

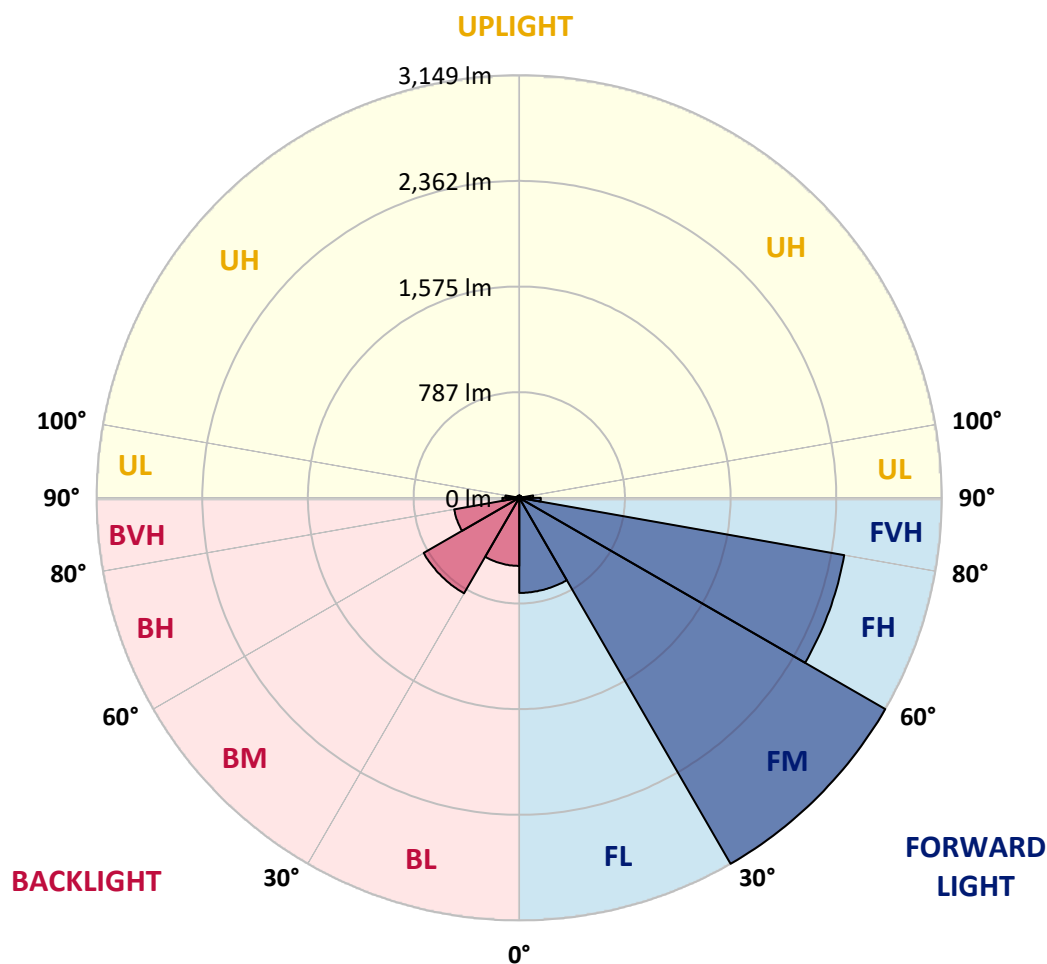
CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.6	8.3			
FM	(30°-60°)	3149.0	36.8			
FH	(60°-80°)	2458.9	28.8			G2/5000
FVH	(80°-90°)	160.4	1.9			G2/225
BL	(0°-30°)	507.4	5.9	B2/1000		
BM	(30°-60°)	822.2	9.6	B1/1000		
BH	(60°-80°)	492.3	5.8	B1/500		G1/500
BVH	(80°-90°)	126.3	1.5			G2/225
UL	(90°-100°)	103.8	1.2		U3/500	
UH	(100°-180°)	17.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



REPORT NUMBER: P690959

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
2.5°	1271.4	1271.4	1268.6	1268.6	1271.4	1274.2	1271.4	1268.6	1271.4	1274.2	1282.6
5°	1321.8	1319.0	1316.2	1305.0	1293.8	1285.4	1279.8	1277.0	1279.8	1291.0	1310.6
7.5°	1355.4	1352.6	1352.6	1349.8	1338.6	1316.2	1302.2	1299.4	1299.4	1302.2	1327.4
10°	1425.4	1419.8	1408.6	1389.0	1377.8	1349.8	1324.6	1319.0	1319.0	1324.6	1355.4
12.5°	1501.0	1489.8	1492.6	1470.2	1436.6	1405.8	1369.4	1355.4	1349.8	1355.4	1372.2
15°	1604.6	1596.2	1573.8	1548.6	1515.0	1473.0	1428.2	1405.8	1403.0	1411.4	1397.4
17.5°	1680.2	1669.0	1671.8	1635.4	1607.4	1551.4	1509.4	1467.4	1467.4	1478.6	1442.2
20°	1758.6	1753.0	1761.4	1753.0	1711.0	1660.6	1599.0	1548.6	1540.2	1545.8	1492.6
22.5°	1859.4	1851.0	1851.0	1853.8	1820.2	1769.8	1697.0	1646.6	1643.8	1621.4	1548.6
25°	1963.1	1954.6	1951.8	1957.4	1951.8	1893.0	1817.4	1767.0	1758.6	1727.8	1624.2
27.5°	2061.1	2061.1	2063.9	2069.5	2077.9	2030.3	1957.4	1901.4	1901.4	1867.8	1725.0
30°	2133.9	2133.9	2159.1	2170.3	2178.7	2167.5	2089.1	2035.9	2041.5	1996.7	1839.8
32.5°	2201.1	2203.9	2231.9	2259.9	2268.3	2276.7	2209.5	2175.9	2175.9	2133.9	1963.1
35°	2268.3	2268.3	2307.5	2363.5	2391.5	2383.1	2352.3	2341.1	2343.9	2335.5	2145.1
37.5°	2321.5	2327.1	2385.9	2455.9	2495.1	2509.1	2492.3	2528.7	2562.3	2587.5	2383.1
40°	2374.7	2374.7	2430.7	2506.3	2576.3	2615.5	2637.9	2775.2	2800.4	2808.8	2517.5
42.5°	2318.7	2332.7	2450.3	2562.3	2651.9	2719.1	2820.0	3024.4	3055.2	2960.0	2699.5
45°	2265.5	2282.3	2399.9	2587.5	2716.3	2850.8	3024.4	3231.6	3256.8	3114.0	2808.8
47.5°	2212.3	2231.9	2360.7	2565.1	2775.2	2996.4	3184.0	3413.6	3424.8	3240.0	2932.0
50°	2156.3	2175.9	2313.1	2539.9	2811.6	3144.8	3343.6	3578.9	3578.9	3352.0	3004.8
52.5°	2086.3	2108.7	2248.7	2500.7	2839.6	3245.6	3489.2	3699.3	3676.9	3486.4	3086.0
55°	1996.7	2027.5	2175.9	2444.7	2850.8	3298.8	3581.7	3816.9	3811.3	3651.7	3189.6
57.5°	1901.4	1926.6	2086.3	2371.9	2839.6	3335.2	3679.7	4021.3	4029.7	3794.5	3270.8
60°	1795.0	1811.8	1965.9	2271.1	2766.8	3399.6	3900.9	4239.7	4250.9	3926.1	3301.6
62.5°	1655.0	1666.2	1811.8	2133.9	2668.7	3441.6	4060.5	4438.6	4433.0	4043.7	3307.2
65°	1478.6	1492.6	1629.8	1951.8	2523.1	3413.6	4099.7	4525.4	4531.0	4099.7	3298.8
67.5°	1307.8	1316.2	1431.0	1711.0	2287.9	3279.2	4060.5	4575.8	4601.0	4147.3	3217.6
70°	1080.9	1083.7	1184.6	1433.8	1963.1	3021.6	3982.1	4606.6	4592.6	4091.3	3077.6
72.5°	831.7	834.5	910.1	1097.7	1526.2	2573.5	3704.9	4346.2	4321.0	3783.3	2775.2
75°	590.9	602.1	646.9	770.1	1022.1	1879.0	3170.0	3847.7	3864.5	3366.0	2313.1
77.5°	336.0	347.2	383.6	481.7	588.1	1052.9	2394.3	3209.2	3220.4	2831.2	1775.4
80°	145.6	148.4	162.4	229.6	313.6	504.1	1226.6	2248.7	2411.1	1923.8	1013.7
82.5°	123.2	123.2	128.8	134.4	137.2	229.6	476.1	697.3	719.7	568.5	330.4
85°	106.4	106.4	112.0	117.6	120.4	156.8	288.4	350.0	364.0	324.8	232.4
87.5°	84.0	84.0	92.4	98.0	98.0	128.8	215.6	260.4	268.8	260.4	207.2
90°	75.6	75.6	72.8	72.8	75.6	92.4	168.0	218.4	226.8	277.2	238.0
92.5°	64.4	67.2	67.2	67.2	58.8	67.2	120.4	193.2	210.0	274.4	215.6
95°	64.4	61.6	61.6	58.8	56.0	58.8	89.6	168.0	187.6	238.0	182.0
97.5°	44.8	42.0	44.8	47.6	50.4	53.2	75.6	123.2	137.2	184.8	134.4
100°	28.0	28.0	28.0	28.0	33.6	36.4	61.6	75.6	84.0	117.6	89.6
102.5°	16.8	14.0	14.0	14.0	16.8	22.4	30.8	42.0	44.8	67.2	53.2
105°	5.6	5.6	5.6	5.6	8.4	11.2	11.2	16.8	16.8	22.4	22.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8



REPORT NUMBER: P690959
 CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
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: P690959

CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
2.5°	1288.2	1293.8	1305.0	1319.0	1335.8	1349.8	1361.0	1363.8	1369.4	1369.4	1375.0
5°	1316.2	1327.4	1344.2	1363.8	1372.2	1366.6	1366.6	1369.4	1375.0	1389.0	1394.6
7.5°	1347.0	1355.4	1355.4	1363.8	1380.6	1375.0	1372.2	1369.4	1369.4	1363.8	1372.2
10°	1358.2	1347.0	1361.0	1358.2	1352.6	1363.8	1366.6	1349.8	1352.6	1352.6	1355.4
12.5°	1361.0	1361.0	1349.8	1349.8	1349.8	1324.6	1319.0	1333.0	1319.0	1324.6	1321.8
15°	1391.8	1369.4	1355.4	1338.6	1316.2	1307.8	1288.2	1265.8	1265.8	1271.4	1271.4
17.5°	1414.2	1391.8	1349.8	1305.0	1296.6	1257.4	1243.4	1237.8	1235.0	1237.8	1243.4
20°	1447.8	1414.2	1344.2	1299.4	1226.6	1212.6	1187.4	1184.6	1179.0	1159.3	1153.7
22.5°	1492.6	1439.4	1341.4	1251.8	1193.0	1145.3	1100.5	1072.5	1069.7	1055.7	1047.3
25°	1543.0	1489.8	1352.6	1229.4	1131.3	1061.3	1024.9	960.5	929.7	940.9	935.3
27.5°	1646.6	1548.6	1372.2	1198.6	1080.9	971.7	887.7	848.5	809.3	809.3	814.9
30°	1741.8	1624.2	1372.2	1170.5	996.9	865.3	756.1	694.5	677.7	666.5	660.9
32.5°	1884.6	1719.4	1431.0	1131.3	918.5	728.1	604.9	532.1	534.9	546.1	543.3
35°	2049.9	1870.6	1447.8	1075.3	803.7	590.9	467.7	428.5	450.9	456.5	456.5
37.5°	2248.7	2055.5	1523.4	1030.5	683.3	436.9	369.6	352.8	372.4	369.6	380.8
40°	2357.9	2145.1	1587.8	974.5	523.7	322.0	285.6	274.4	305.2	330.4	336.0
42.5°	2511.9	2251.5	1649.4	868.1	355.6	235.2	218.4	254.8	299.6	327.6	330.4
45°	2595.9	2313.1	1624.2	736.5	226.8	190.4	212.8	257.6	305.2	333.2	336.0
47.5°	2696.7	2394.3	1579.4	574.1	182.0	187.6	215.6	263.2	313.6	338.8	338.8
50°	2797.6	2475.5	1470.2	450.9	170.8	184.8	221.2	266.0	310.8	327.6	327.6
52.5°	2856.4	2545.5	1341.4	327.6	168.0	184.8	224.0	268.8	308.0	316.4	316.4
55°	2909.6	2551.1	1229.4	243.6	165.2	187.6	226.8	274.4	310.8	319.2	316.4
57.5°	2940.4	2514.7	1150.9	210.0	162.4	187.6	229.6	280.0	333.2	352.8	347.2
60°	2923.6	2458.7	1092.1	196.0	159.6	187.6	232.4	296.8	422.9	456.5	445.3
62.5°	2895.6	2419.5	968.9	179.2	154.0	187.6	235.2	336.0	470.5	487.3	473.3
65°	2859.2	2304.7	828.9	162.4	148.4	184.8	238.0	364.0	448.1	448.1	445.3
67.5°	2707.9	2150.7	618.9	145.6	140.0	184.8	243.6	358.4	431.3	467.7	467.7
70°	2506.3	1893.0	408.9	128.8	131.6	179.2	254.8	364.0	445.3	495.7	490.1
72.5°	2122.7	1571.0	226.8	112.0	120.4	176.4	254.8	386.4	481.7	537.7	529.3
75°	1733.4	1162.1	162.4	100.8	109.2	170.8	257.6	400.5	515.3	574.1	560.1
77.5°	1221.0	666.5	128.8	86.8	98.0	162.4	254.8	394.9	532.1	585.3	568.5
80°	515.3	240.8	106.4	78.4	84.0	145.6	235.2	378.0	532.1	618.9	610.5
82.5°	232.4	170.8	92.4	70.0	78.4	120.4	218.4	364.0	515.3	621.7	672.1
85°	182.0	140.0	78.4	61.6	70.0	114.8	196.0	347.2	492.9	574.1	630.1
87.5°	173.6	140.0	70.0	56.0	64.4	98.0	151.2	322.0	442.5	529.3	574.1
90°	187.6	145.6	56.0	47.6	58.8	86.8	123.2	271.6	383.6	464.9	464.9
92.5°	173.6	134.4	42.0	36.4	61.6	70.0	117.6	168.0	277.2	232.4	288.4
95°	145.6	112.0	28.0	25.2	58.8	58.8	64.4	78.4	193.2	5.6	0.0
97.5°	106.4	81.2	16.8	14.0	44.8	47.6	30.8	36.4	78.4	0.0	0.0
100°	78.4	53.2	11.2	11.2	28.0	39.2	19.6	19.6	0.0	0.0	0.0
102.5°	42.0	28.0	8.4	5.6	14.0	22.4	8.4	5.6	0.0	0.0	0.0
105°	22.4	11.2	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
107.5°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690959
 CATALOG NUMBER: CRTK2-C01-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	2.8	2.8	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)