

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: P691663

Luminaire Tested: **CRTK2-C018-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691663
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-C018-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6679 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 50.4
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

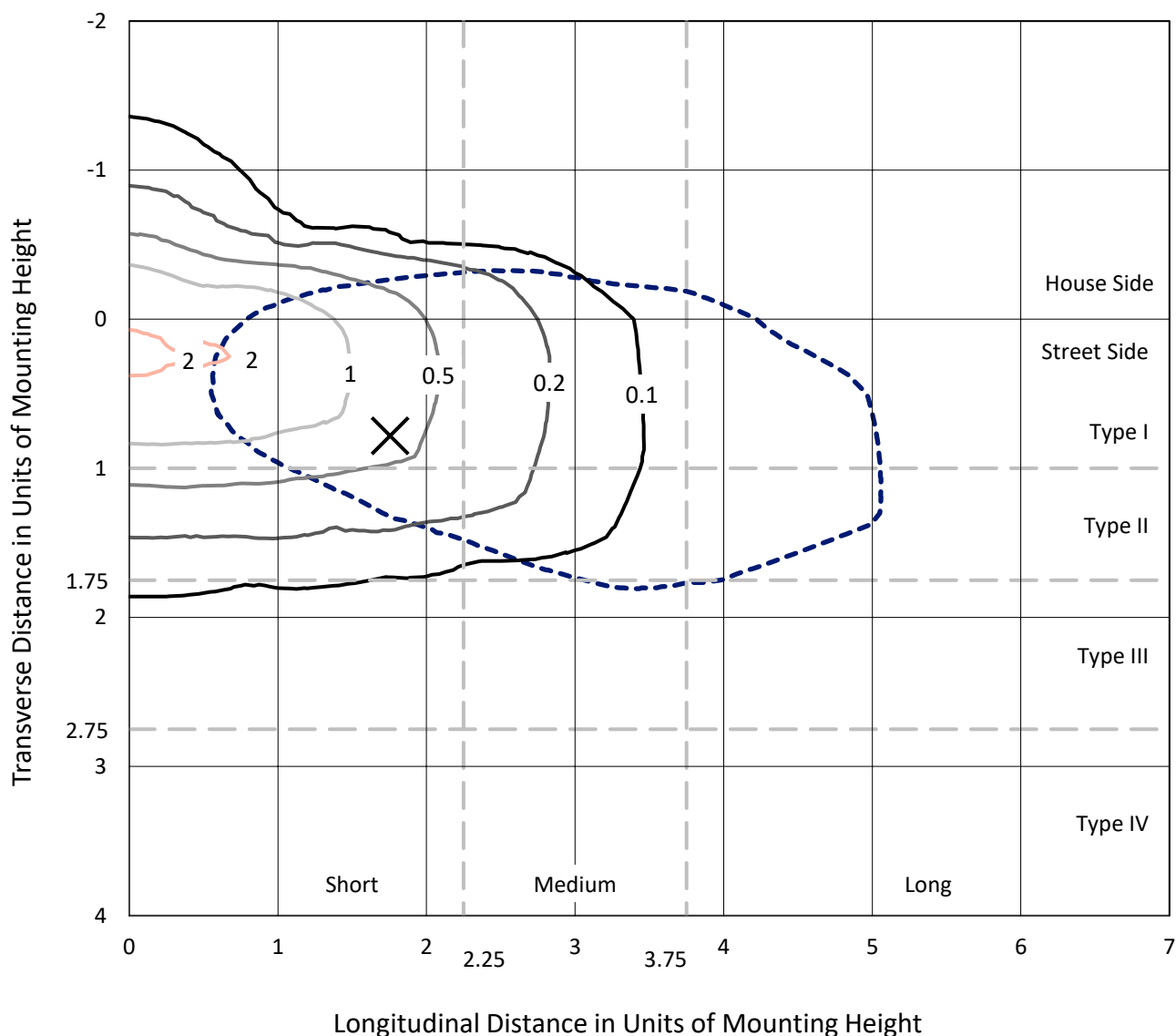


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 CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

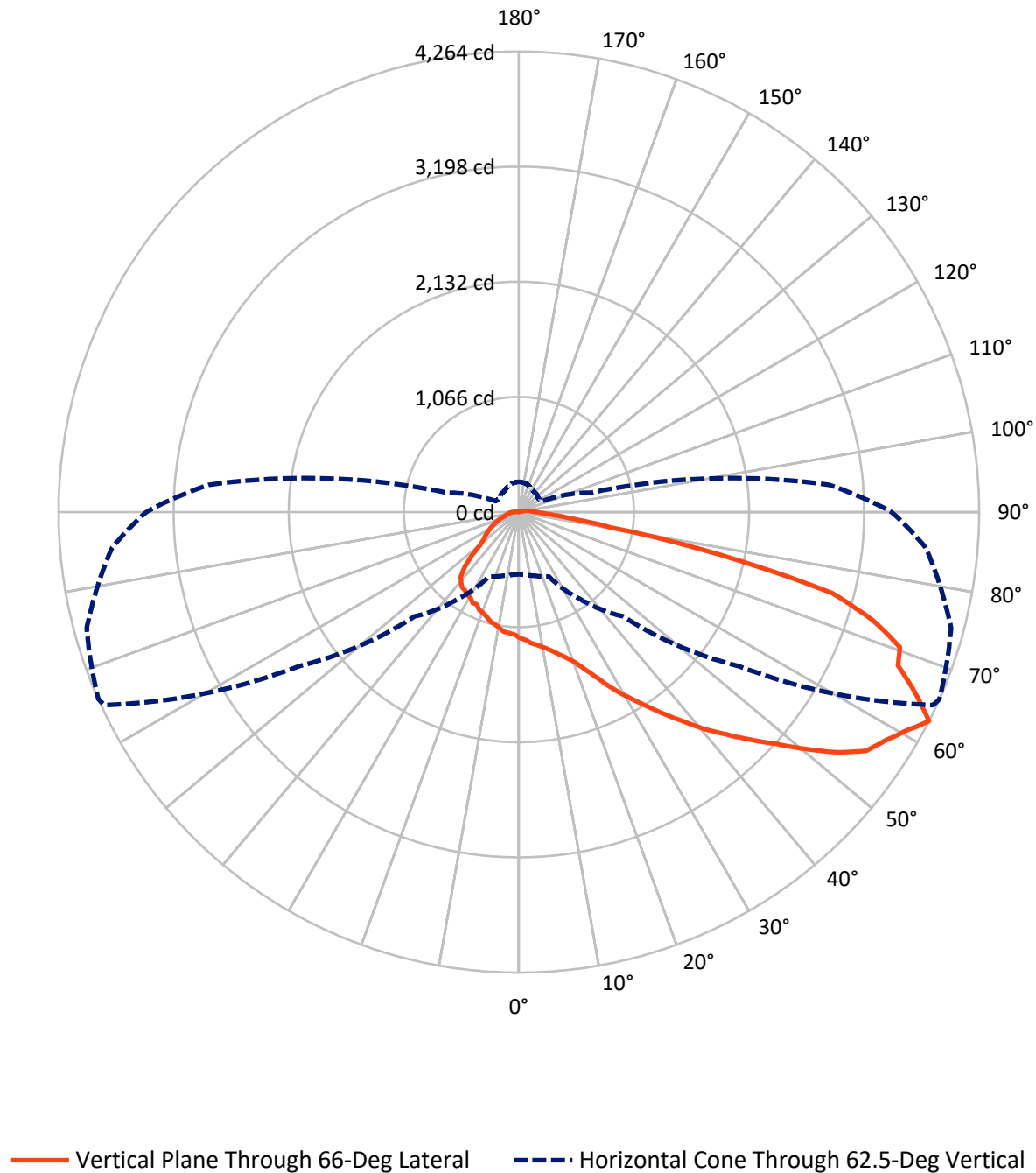
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

REPORT NUMBER: P691663
CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

Luminous Intensity Polar Plot



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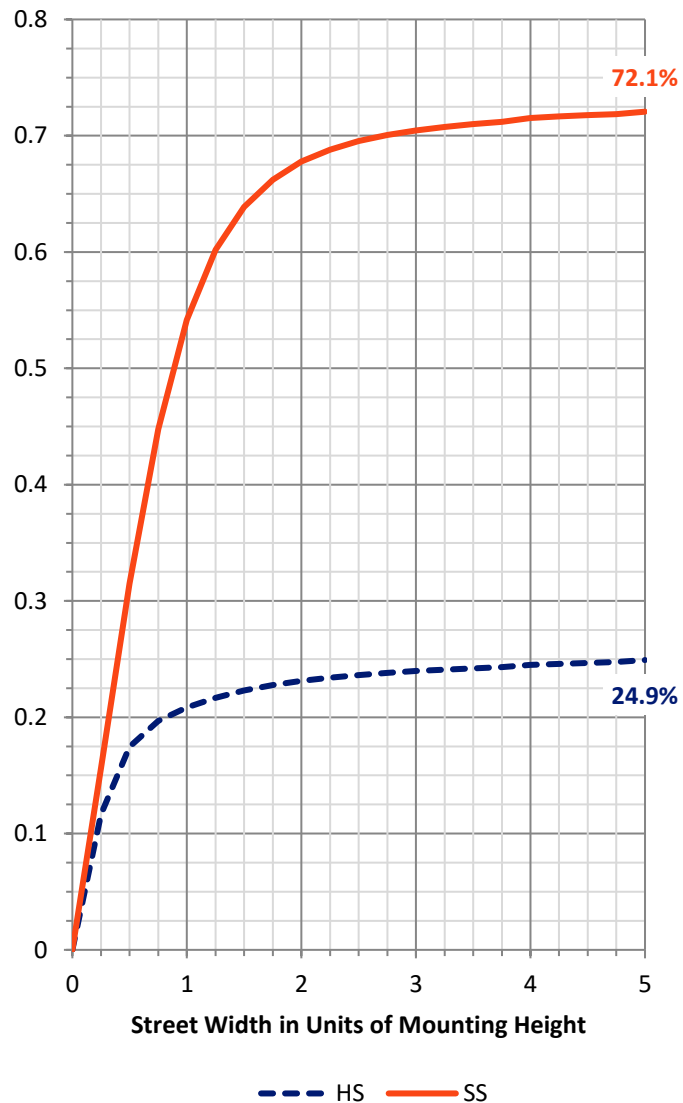
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1738.5	48.0	1786.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4845.0	47.5	4892.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	6583.4	95.6	6679.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	1.7
10°-20°	335.8	5.0
20°-30°	568.3	8.5
30°-40°	831.4	12.4
40°-50°	1086.7	16.3
50°-60°	1264.5	18.9
60°-70°	1265.1	18.9
70°-80°	872.9	13.1
80°-90°	246.7	3.7
90°-100°	81.3	1.2
100°-110°	11.1	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6583.4	98.6
0°-180°	6679.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691663

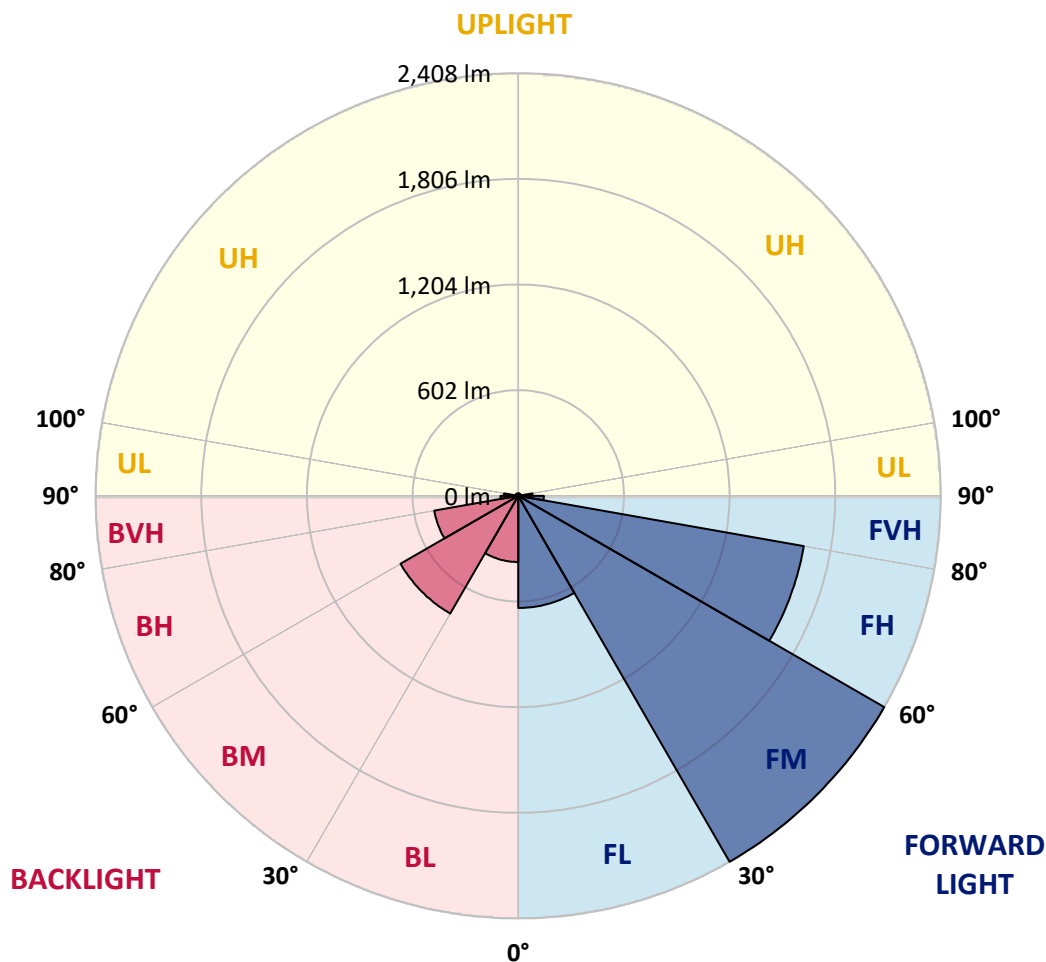
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	638.9	9.6			
FM	(30°-60°)	2408.0	36.1			
FH	(60°-80°)	1652.4	24.7			G1/1800
FVH	(80°-90°)	145.7	2.2			G2/225
BL	(0°-30°)	377.3	5.6	B1/500		
BM	(30°-60°)	774.6	11.6	B1/1000		
BH	(60°-80°)	485.6	7.3	B1/500		G1/500
BVH	(80°-90°)	101.0	1.5			G2/225
UL	(90°-100°)	81.3	1.2		U3/500	
UH	(100°-180°)	14.2	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P691663

CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1226.8	1224.6	1224.6	1213.5	1202.4	1200.2	1193.6	1184.7	1184.7	1178.0	1166.9
5°	1300.1	1297.8	1300.1	1284.5	1269.0	1255.7	1233.5	1222.4	1220.2	1204.7	1182.5
7.5°	1351.1	1348.9	1346.6	1333.3	1326.7	1313.4	1282.3	1249.0	1244.6	1229.1	1200.2
10°	1371.0	1373.3	1384.4	1362.2	1348.9	1337.8	1320.0	1280.1	1275.6	1240.2	1195.8
12.5°	1424.3	1426.5	1419.9	1393.2	1388.8	1379.9	1351.1	1317.8	1313.4	1269.0	1206.9
15°	1479.8	1479.8	1470.9	1455.3	1444.3	1435.4	1399.9	1364.4	1362.2	1308.9	1235.7
17.5°	1504.2	1508.6	1510.8	1490.8	1486.4	1484.2	1466.4	1422.1	1417.6	1366.6	1275.6
20°	1519.7	1521.9	1524.1	1521.9	1524.1	1521.9	1530.8	1495.3	1484.2	1430.9	1320.0
22.5°	1550.7	1555.2	1570.7	1570.7	1577.4	1592.9	1586.2	1590.7	1586.2	1521.9	1395.4
25°	1566.3	1572.9	1592.9	1617.3	1646.1	1663.9	1688.3	1706.0	1708.3	1650.6	1510.8
27.5°	1541.9	1557.4	1608.4	1646.1	1712.7	1759.3	1817.0	1845.8	1850.2	1794.8	1635.0
30°	1572.9	1572.9	1604.0	1657.2	1739.3	1848.0	1936.8	1981.1	1985.6	1943.4	1759.3
32.5°	1515.2	1528.6	1599.6	1701.6	1819.2	1943.4	2029.9	2116.5	2127.6	2114.2	1936.8
35°	1508.6	1515.2	1559.6	1666.1	1823.6	2032.2	2152.0	2265.1	2287.3	2291.7	2107.6
37.5°	1446.5	1455.3	1537.4	1670.5	1885.7	2094.3	2247.4	2433.7	2453.7	2484.7	2256.2
40°	1368.8	1382.1	1448.7	1597.3	1868.0	2167.5	2349.4	2611.2	2640.0	2677.8	2451.5
42.5°	1266.8	1291.2	1404.3	1564.1	1859.1	2191.9	2447.0	2788.7	2815.3	2855.2	2615.6
45°	1180.3	1186.9	1277.9	1444.3	1788.1	2225.2	2538.0	2988.3	3006.1	3026.1	2748.7
47.5°	1102.6	1115.9	1193.6	1348.9	1712.7	2218.5	2617.9	3176.9	3208.0	3267.9	2910.7
50°	871.9	902.9	1122.6	1266.8	1597.3	2198.6	2684.4	3398.8	3449.8	3472.0	3094.8
52.5°	754.3	763.2	874.1	1186.9	1468.7	2132.0	2742.1	3640.6	3698.3	3647.2	3316.7
55°	696.6	705.5	756.5	1025.0	1368.8	1996.7	2786.5	3869.1	3904.6	3784.8	3480.9
57.5°	665.6	672.2	698.8	829.7	1246.8	1781.5	2790.9	3982.2	3995.6	3893.5	3565.2
60°	612.3	619.0	665.6	723.2	1111.5	1553.0	2713.2	4046.6	4115.4	4026.6	3727.1
62.5°	576.8	581.3	612.3	658.9	980.6	1366.6	2487.0	4230.7	4264.0	4144.2	3782.6
65°	532.4	536.9	565.7	607.9	896.3	1262.3	2389.3	4155.3	4033.3	4115.4	3855.8
67.5°	481.4	488.1	514.7	550.2	756.5	1160.3	2107.6	3873.5	3787.0	3968.9	3665.0
70°	434.8	439.3	468.1	488.1	621.2	1027.2	1750.4	3653.9	3744.9	3742.6	3491.9
72.5°	383.8	388.2	412.6	430.4	519.1	869.7	1388.8	3401.0	3427.6	3332.2	3090.4
75°	330.6	332.8	355.0	372.7	426.0	696.6	1013.9	2813.1	2997.2	3185.8	2673.3
77.5°	266.2	272.9	290.6	299.5	341.7	556.8	661.1	1666.1	1903.5	2802.0	2389.3
80°	199.7	199.7	213.0	217.4	252.9	414.9	417.1	803.1	863.0	1781.5	1774.8
82.5°	126.5	133.1	146.4	144.2	170.8	237.4	264.0	445.9	479.2	705.5	787.6
85°	102.1	104.3	113.1	106.5	113.1	128.7	148.6	281.8	292.8	430.4	428.2
87.5°	84.3	86.5	93.2	88.7	91.0	97.6	115.4	188.6	193.0	277.3	286.2
90°	64.3	66.6	75.4	73.2	71.0	79.9	95.4	144.2	150.9	219.6	235.2
92.5°	42.2	42.2	48.8	48.8	48.8	57.7	84.3	110.9	115.4	199.7	210.8
95°	31.1	31.1	33.3	35.5	33.3	42.2	62.1	99.8	108.7	186.4	181.9
97.5°	20.0	20.0	22.2	24.4	22.2	26.6	35.5	71.0	79.9	144.2	142.0
100°	13.3	13.3	13.3	13.3	13.3	13.3	20.0	46.6	53.2	91.0	88.7
102.5°	8.9	8.9	8.9	8.9	6.7	6.7	8.9	22.2	24.4	48.8	46.6
105°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	8.9	11.1	20.0	20.0
107.5°	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.2	2.2
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: P691663
 CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

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	2.2
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	2.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2	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	2.2	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: P691663

CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1162.5	1155.8	1144.8	1133.7	1127.0	1120.4	1109.3	1100.4	1100.4	1111.5	1111.5
5°	1166.9	1153.6	1131.4	1122.6	1111.5	1095.9	1078.2	1064.9	1058.2	1067.1	1069.3
7.5°	1178.0	1158.1	1135.9	1115.9	1078.2	1049.4	1033.8	1016.1	1013.9	1022.7	1027.2
10°	1169.2	1149.2	1122.6	1084.9	1044.9	1022.7	993.9	971.7	971.7	965.1	969.5
12.5°	1178.0	1151.4	1098.2	1058.2	1022.7	973.9	938.4	916.2	914.0	920.7	920.7
15°	1200.2	1160.3	1091.5	1042.7	985.0	936.2	900.7	876.3	883.0	869.7	871.9
17.5°	1226.8	1166.9	1091.5	1007.2	942.9	896.3	847.5	818.6	820.9	823.1	825.3
20°	1260.1	1184.7	1080.4	980.6	902.9	836.4	780.9	758.7	752.1	756.5	758.7
22.5°	1311.1	1224.6	1076.0	967.3	847.5	783.1	734.3	690.0	685.5	685.5	685.5
25°	1395.4	1284.5	1095.9	922.9	818.6	721.0	665.6	623.4	603.4	605.7	607.9
27.5°	1524.1	1379.9	1115.9	925.1	752.1	665.6	596.8	550.2	539.1	541.3	543.5
30°	1659.5	1508.6	1166.9	880.8	714.4	581.3	510.3	477.0	463.7	457.0	459.2
32.5°	1763.7	1621.7	1237.9	867.4	645.6	490.3	445.9	419.3	401.6	394.9	394.9
35°	1930.1	1732.7	1295.6	834.2	574.6	432.6	397.1	368.3	359.4	355.0	355.0
37.5°	2072.1	1854.7	1355.5	820.9	488.1	388.2	343.9	326.1	326.1	321.7	319.5
40°	2225.2	1983.4	1388.8	780.9	421.5	341.7	297.3	295.1	301.7	301.7	301.7
42.5°	2409.3	2116.5	1424.3	734.3	370.5	288.4	264.0	281.8	297.3	301.7	301.7
45°	2546.9	2200.8	1439.8	634.5	319.5	250.7	259.6	277.3	297.3	303.9	301.7
47.5°	2664.4	2322.8	1417.6	512.5	275.1	244.0	255.1	270.7	295.1	303.9	303.9
50°	2782.0	2427.1	1402.1	370.5	257.3	244.0	255.1	261.8	288.4	299.5	299.5
52.5°	2955.1	2509.1	1340.0	310.6	244.0	246.3	259.6	259.6	284.0	297.3	303.9
55°	3176.9	2697.7	1222.4	290.6	239.6	244.0	261.8	261.8	279.5	292.8	297.3
57.5°	3267.9	2764.3	1020.5	272.9	235.2	244.0	255.1	259.6	281.8	290.6	288.4
60°	3387.7	2873.0	836.4	255.1	226.3	239.6	246.3	261.8	279.5	281.8	279.5
62.5°	3452.0	2886.3	692.2	237.4	219.6	232.9	235.2	252.9	270.7	277.3	279.5
65°	3487.5	2873.0	512.5	219.6	213.0	224.1	226.3	241.8	259.6	264.0	266.2
67.5°	3358.8	2782.0	355.0	201.9	206.3	213.0	217.4	232.9	246.3	259.6	264.0
70°	3128.1	2518.0	252.9	179.7	195.2	201.9	210.8	226.3	239.6	257.3	261.8
72.5°	2873.0	2027.7	186.4	153.1	179.7	188.6	204.1	215.2	235.2	257.3	264.0
75°	2633.4	1779.3	148.6	130.9	153.1	173.0	193.0	208.5	237.4	315.0	326.1
77.5°	1868.0	1202.4	133.1	115.4	130.9	150.9	177.5	204.1	330.6	374.9	377.1
80°	1355.5	707.7	119.8	102.1	113.1	122.0	162.0	250.7	366.1	346.1	346.1
82.5°	678.9	379.4	113.1	91.0	97.6	99.8	144.2	319.5	295.1	308.4	310.6
85°	328.3	184.1	93.2	79.9	84.3	82.1	135.3	303.9	279.5	281.8	277.3
87.5°	206.3	113.1	73.2	66.6	68.8	66.6	128.7	290.6	292.8	239.6	244.0
90°	186.4	133.1	57.7	53.2	46.6	55.5	115.4	270.7	286.2	173.0	144.2
92.5°	179.7	144.2	42.2	37.7	33.3	44.4	86.5	219.6	175.3	73.2	44.4
95°	159.7	126.5	35.5	26.6	31.1	37.7	55.5	146.4	117.6	0.0	0.0
97.5°	119.8	93.2	28.8	17.7	99.8	33.3	31.1	95.4	33.3	0.0	0.0
100°	75.4	57.7	22.2	13.3	113.1	22.2	20.0	55.5	0.0	0.0	0.0
102.5°	42.2	31.1	11.1	8.9	48.8	11.1	13.3	13.3	0.0	0.0	0.0
105°	17.7	15.5	4.4	4.4	4.4	2.2	6.7	0.0	0.0	0.0	0.0
107.5°	4.4	6.7	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
110°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691663
 CATALOG NUMBER: CRTK2-C018-D-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
115°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
117.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
120°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
122.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
125°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	4.4	2.2	2.2	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
155°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
165°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.2	2.2	2.2	2.2	2.2	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)