

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: P690983

Luminaire Tested: **CRTK2-C01-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690983
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-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7727 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - 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



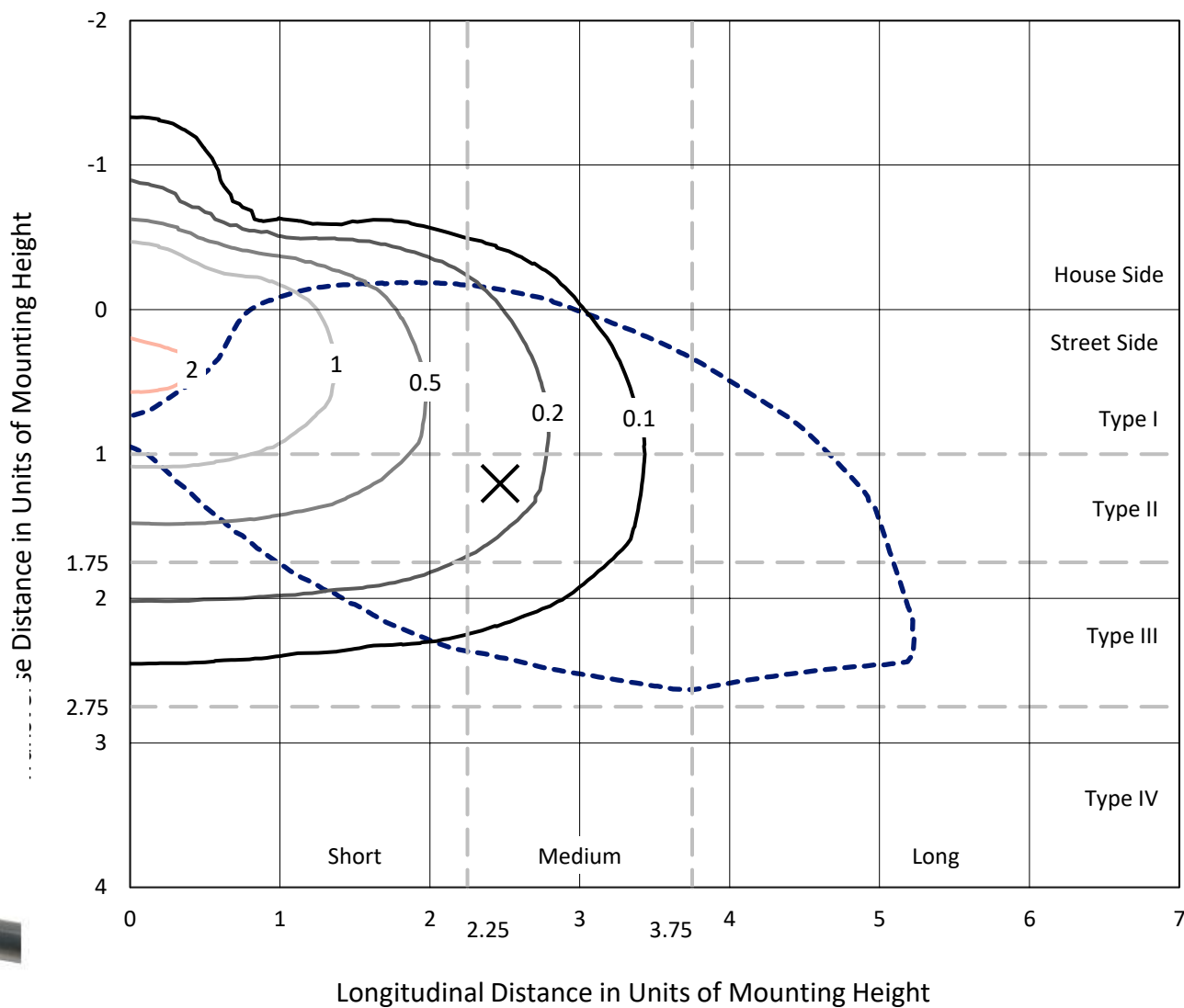
REPORT NUMBER: P690983

CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

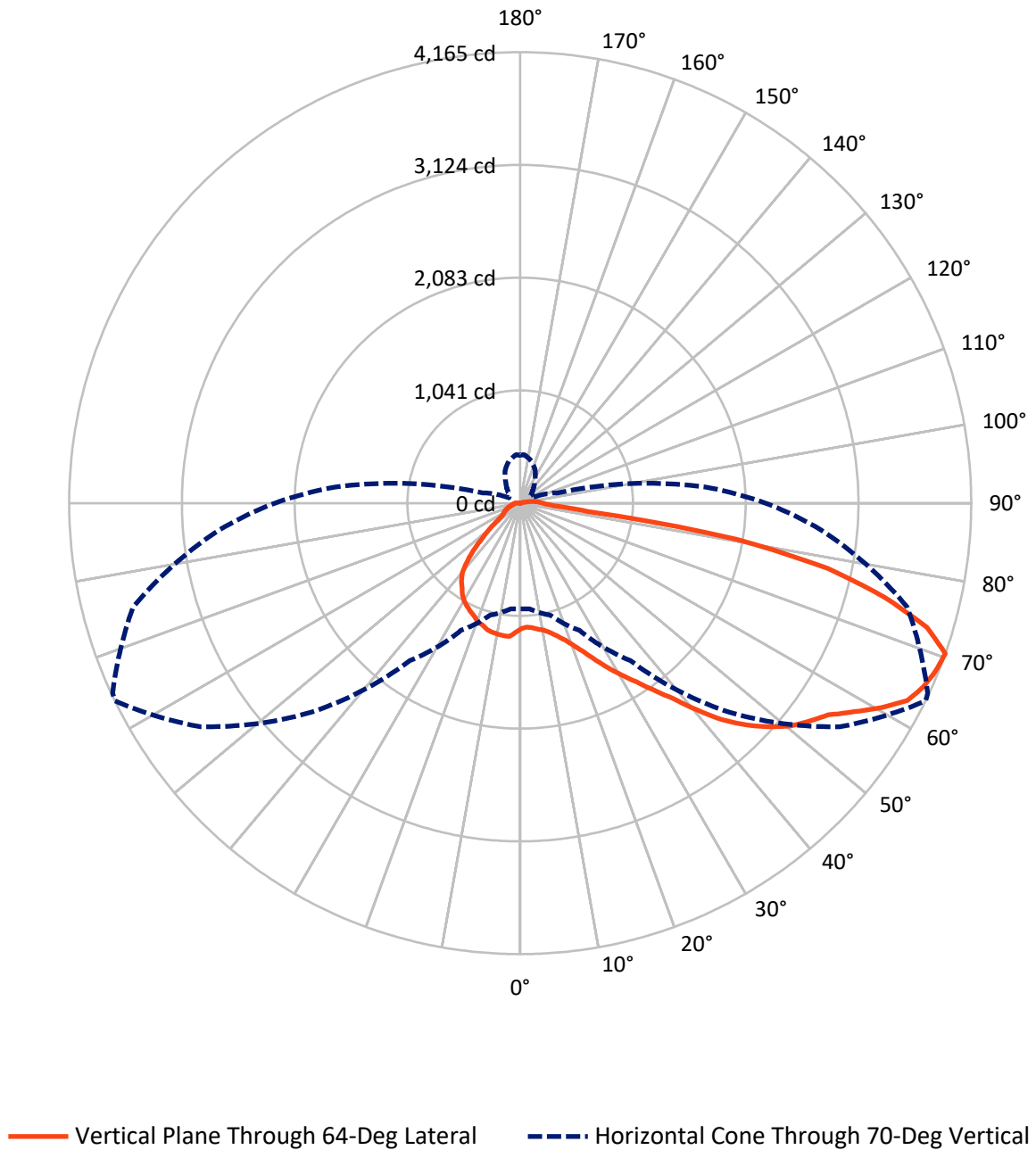
--- 1/2 Max cd



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

REPORT NUMBER: P690983
CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

Luminous Intensity Polar Plot



REPORT NUMBER: P690983

CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

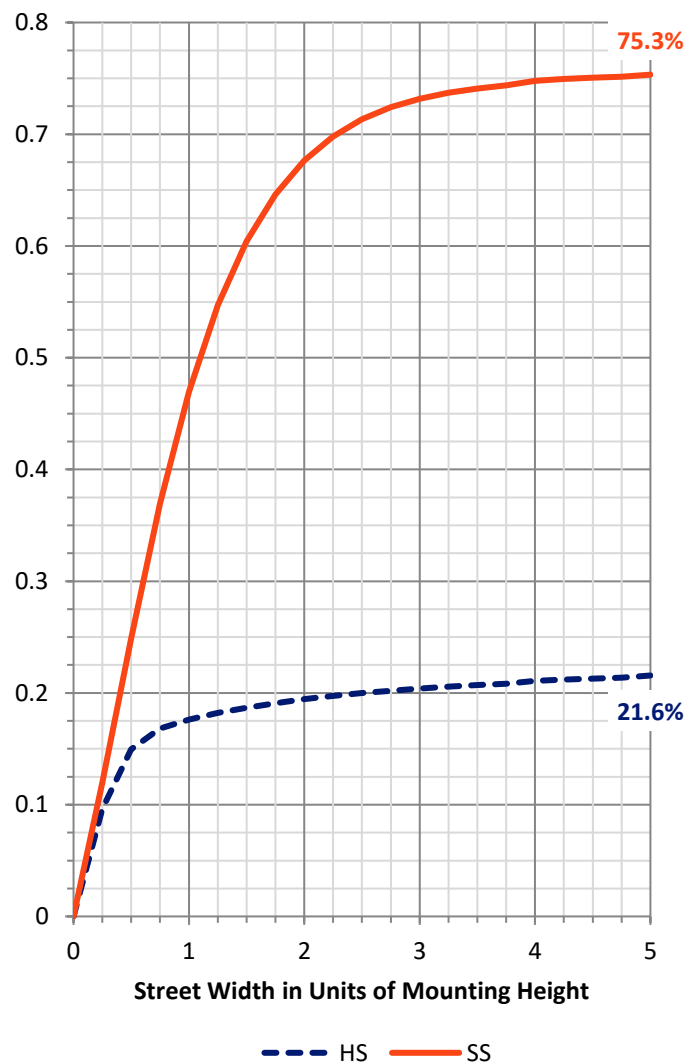
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1761.5	47.7	1809.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5856.1	61.6	5917.7
	% Fixture	75.8	0.8	76.6
Total	Lumens	7617.7	109.3	7727.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.5
10°-20°	359.8	4.7
20°-30°	624.1	8.1
30°-40°	905.7	11.7
40°-50°	1215.4	15.7
50°-60°	1469.6	19.0
60°-70°	1581.9	20.5
70°-80°	1086.5	14.1
80°-90°	259.2	3.4
90°-100°	93.8	1.2
100°-110°	11.8	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7617.7	98.6
0°-180°	7727.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690983

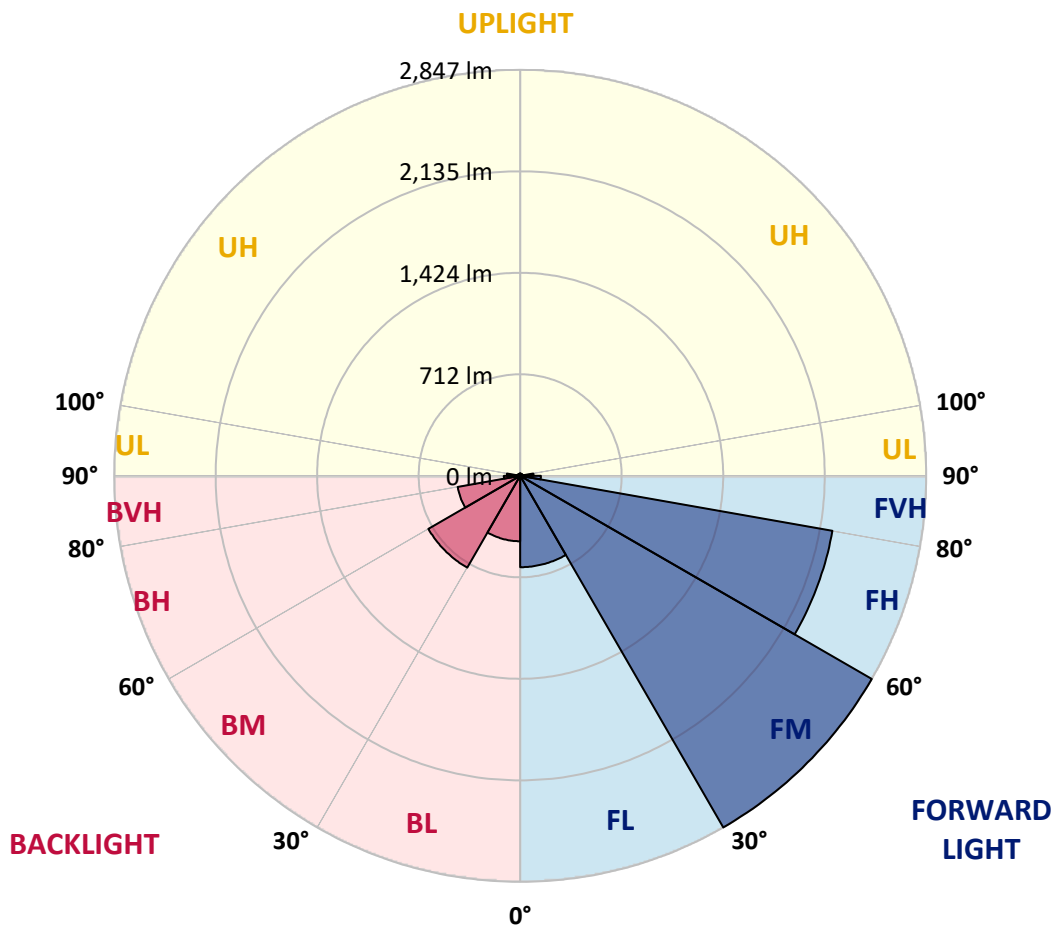
CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	640.7	8.3			
FM	(30°-60°)	2847.2	36.8			
FH	(60°-80°)	2223.2	28.8			G2/5000
FVH	(80°-90°)	145.0	1.9			G2/225
BL	(0°-30°)	458.8	5.9	B1/500		
BM	(30°-60°)	743.4	9.6	B1/1000		
BH	(60°-80°)	445.1	5.8	B1/500		G1/500
BVH	(80°-90°)	114.2	1.5			G2/225
UL	(90°-100°)	93.8	1.2		U3/500	
UH	(100°-180°)	15.5	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



REPORT NUMBER: P690983

CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7
2.5°	1149.5	1149.5	1147.0	1147.0	1149.5	1152.1	1149.5	1147.0	1149.5	1152.1	1159.7
5°	1195.1	1192.6	1190.0	1179.9	1169.8	1162.2	1157.1	1154.6	1157.1	1167.2	1185.0
7.5°	1225.5	1222.9	1222.9	1220.4	1210.3	1190.0	1177.4	1174.8	1174.8	1177.4	1200.2
10°	1288.8	1283.7	1273.6	1255.9	1245.7	1220.4	1197.6	1192.6	1192.6	1197.6	1225.5
12.5°	1357.1	1347.0	1349.5	1329.3	1298.9	1271.1	1238.1	1225.5	1220.4	1225.5	1240.7
15°	1450.8	1443.2	1423.0	1400.2	1369.8	1331.8	1291.3	1271.1	1268.5	1276.1	1263.5
17.5°	1519.2	1509.1	1511.6	1478.7	1453.4	1402.7	1364.7	1326.8	1326.8	1336.9	1304.0
20°	1590.1	1585.0	1592.6	1585.0	1547.0	1501.5	1445.8	1400.2	1392.6	1397.7	1349.5
22.5°	1681.2	1673.6	1673.6	1676.2	1645.8	1600.2	1534.4	1488.8	1486.3	1466.0	1400.2
25°	1774.9	1767.3	1764.8	1769.9	1764.8	1711.6	1643.3	1597.7	1590.1	1562.2	1468.6
27.5°	1863.5	1863.5	1866.1	1871.1	1878.7	1835.7	1769.9	1719.2	1719.2	1688.8	1559.7
30°	1929.4	1929.4	1952.2	1962.3	1969.9	1959.8	1888.9	1840.8	1845.8	1805.3	1663.5
32.5°	1990.1	1992.7	2018.0	2043.3	2050.9	2058.5	1997.7	1967.4	1967.4	1929.4	1774.9
35°	2050.9	2050.9	2086.4	2137.0	2162.3	2154.7	2126.9	2116.7	2119.3	2111.7	1939.5
37.5°	2099.0	2104.1	2157.3	2220.6	2256.0	2268.7	2253.5	2286.4	2316.8	2339.6	2154.7
40°	2147.1	2147.1	2197.8	2266.1	2329.4	2364.9	2385.1	2509.2	2532.0	2539.6	2276.3
42.5°	2096.5	2109.1	2215.5	2316.8	2397.8	2458.6	2549.7	2734.5	2762.4	2676.3	2440.8
45°	2048.4	2063.6	2169.9	2339.6	2456.0	2577.6	2734.5	2921.9	2944.7	2815.6	2539.6
47.5°	2000.3	2018.0	2134.5	2319.3	2509.2	2709.2	2878.9	3086.5	3096.6	2929.5	2651.0
50°	1949.6	1967.4	2091.4	2296.5	2542.1	2843.4	3023.2	3235.9	3235.9	3030.8	2716.8
52.5°	1886.3	1906.6	2033.2	2261.1	2567.4	2934.6	3154.9	3344.8	3324.5	3152.3	2790.2
55°	1805.3	1833.2	1967.4	2210.4	2577.6	2982.7	3238.4	3451.1	3446.0	3301.7	2883.9
57.5°	1719.2	1742.0	1886.3	2144.6	2567.4	3015.6	3327.0	3635.9	3643.5	3430.8	2957.4
60°	1623.0	1638.2	1777.5	2053.4	2501.6	3073.8	3527.1	3833.4	3843.6	3549.8	2985.2
62.5°	1496.4	1506.5	1638.2	1929.4	2413.0	3111.8	3671.4	4013.2	4008.1	3656.2	2990.3
65°	1336.9	1349.5	1473.6	1764.8	2281.3	3086.5	3706.8	4091.7	4096.8	3706.8	2982.7
67.5°	1182.4	1190.0	1293.8	1547.0	2068.6	2965.0	3671.4	4137.3	4160.1	3749.9	2909.3
70°	977.3	979.9	1071.0	1296.4	1774.9	2732.0	3600.5	4165.1	4152.5	3699.2	2782.7
72.5°	752.0	754.5	822.9	992.5	1379.9	2326.9	3349.8	3929.6	3906.9	3420.7	2509.2
75°	534.2	544.4	584.9	696.3	924.2	1699.0	2866.2	3479.0	3494.1	3043.4	2091.4
77.5°	303.8	314.0	346.9	435.5	531.7	952.0	2164.8	2901.7	2911.8	2559.8	1605.3
80°	131.7	134.2	146.9	207.6	283.6	455.8	1109.0	2033.2	2180.0	1739.5	916.6
82.5°	111.4	111.4	116.5	121.5	124.1	207.6	430.4	630.5	650.7	514.0	298.8
85°	96.2	96.2	101.3	106.3	108.9	141.8	260.8	316.5	329.2	293.7	210.2
87.5°	76.0	76.0	83.6	88.6	88.6	116.5	195.0	235.5	243.1	235.5	187.4
90°	68.4	68.4	65.8	65.8	68.4	83.6	151.9	197.5	205.1	250.7	215.2
92.5°	58.2	60.8	60.8	60.8	53.2	60.8	108.9	174.7	189.9	248.1	195.0
95°	58.2	55.7	55.7	53.2	50.6	53.2	81.0	151.9	169.6	215.2	164.6
97.5°	40.5	38.0	40.5	43.0	45.6	48.1	68.4	111.4	124.1	167.1	121.5
100°	25.3	25.3	25.3	25.3	30.4	32.9	55.7	68.4	76.0	106.3	81.0
102.5°	15.2	12.7	12.7	12.7	15.2	20.3	27.9	38.0	40.5	60.8	48.1
105°	5.1	5.1	5.1	5.1	7.6	10.1	10.1	15.2	15.2	20.3	20.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5



REPORT NUMBER: P690983
 CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

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	2.5	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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: P690983

CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7	1159.7
2.5°	1164.7	1169.8	1179.9	1192.6	1207.8	1220.4	1230.5	1233.1	1238.1	1238.1	1243.2
5°	1190.0	1200.2	1215.4	1233.1	1240.7	1235.6	1235.6	1238.1	1243.2	1255.9	1260.9
7.5°	1217.9	1225.5	1225.5	1233.1	1248.3	1243.2	1240.7	1238.1	1238.1	1233.1	1240.7
10°	1228.0	1217.9	1230.5	1228.0	1222.9	1233.1	1235.6	1220.4	1222.9	1222.9	1225.5
12.5°	1230.5	1230.5	1220.4	1220.4	1220.4	1197.6	1192.6	1205.2	1192.6	1197.6	1195.1
15°	1258.4	1238.1	1225.5	1210.3	1190.0	1182.4	1164.7	1144.5	1144.5	1149.5	1149.5
17.5°	1278.7	1258.4	1220.4	1179.9	1172.3	1136.9	1124.2	1119.1	1116.6	1119.1	1124.2
20°	1309.0	1278.7	1215.4	1174.8	1109.0	1096.4	1073.6	1071.0	1066.0	1048.2	1043.2
22.5°	1349.5	1301.4	1212.8	1131.8	1078.6	1035.6	995.1	969.8	967.2	954.6	947.0
25°	1395.1	1347.0	1222.9	1111.5	1022.9	959.6	926.7	868.5	840.6	850.7	845.7
27.5°	1488.8	1400.2	1240.7	1083.7	977.3	878.6	802.6	767.2	731.7	731.7	736.8
30°	1574.9	1468.6	1240.7	1058.4	901.4	782.4	683.6	627.9	612.7	602.6	597.5
32.5°	1704.0	1554.6	1293.8	1022.9	830.5	658.3	546.9	481.1	483.6	493.7	491.2
35°	1853.4	1691.4	1309.0	972.3	726.7	534.2	422.8	387.4	407.6	412.7	412.7
37.5°	2033.2	1858.5	1377.4	931.8	617.8	395.0	334.2	319.0	336.8	334.2	344.4
40°	2131.9	1939.5	1435.6	881.1	473.5	291.2	258.3	248.1	276.0	298.8	303.8
42.5°	2271.2	2035.7	1491.3	784.9	321.6	212.7	197.5	230.4	270.9	296.2	298.8
45°	2347.2	2091.4	1468.6	665.9	205.1	172.2	192.4	232.9	276.0	301.3	303.8
47.5°	2438.3	2164.8	1428.0	519.1	164.6	169.6	195.0	238.0	283.6	306.4	306.4
50°	2529.5	2238.3	1329.3	407.6	154.5	167.1	200.0	240.5	281.1	296.2	296.2
52.5°	2582.6	2301.6	1212.8	296.2	151.9	167.1	202.6	243.1	278.5	286.1	286.1
55°	2630.7	2306.6	1111.5	220.3	149.4	169.6	205.1	248.1	281.1	288.6	286.1
57.5°	2658.6	2273.7	1040.6	189.9	146.9	169.6	207.6	253.2	301.3	319.0	314.0
60°	2643.4	2223.1	987.5	177.2	144.3	169.6	210.2	268.4	382.3	412.7	402.6
62.5°	2618.1	2187.6	876.1	162.0	139.3	169.6	212.7	303.8	425.4	440.6	427.9
65°	2585.2	2083.8	749.5	146.9	134.2	167.1	215.2	329.2	405.1	405.1	402.6
67.5°	2448.4	1944.6	559.6	131.7	126.6	167.1	220.3	324.1	389.9	422.8	422.8
70°	2266.1	1711.6	369.7	116.5	119.0	162.0	230.4	329.2	402.6	448.2	443.1
72.5°	1919.2	1420.4	205.1	101.3	108.9	159.5	230.4	349.4	435.5	486.1	478.5
75°	1567.3	1050.8	146.9	91.2	98.7	154.5	232.9	362.1	465.9	519.1	506.4
77.5°	1103.9	602.6	116.5	78.5	88.6	146.9	230.4	357.0	481.1	529.2	514.0
80°	465.9	217.8	96.2	70.9	76.0	131.7	212.7	341.8	481.1	559.6	552.0
82.5°	210.2	154.5	83.6	63.3	70.9	108.9	197.5	329.2	465.9	562.1	607.7
85°	164.6	126.6	70.9	55.7	63.3	103.8	177.2	314.0	445.6	519.1	569.7
87.5°	157.0	126.6	63.3	50.6	58.2	88.6	136.7	291.2	400.1	478.5	519.1
90°	169.6	131.7	50.6	43.0	53.2	78.5	111.4	245.6	346.9	420.3	420.3
92.5°	157.0	121.5	38.0	32.9	55.7	63.3	106.3	151.9	250.7	210.2	260.8
95°	131.7	101.3	25.3	22.8	53.2	53.2	58.2	70.9	174.7	5.1	0.0
97.5°	96.2	73.4	15.2	12.7	40.5	43.0	27.9	32.9	70.9	0.0	0.0
100°	70.9	48.1	10.1	10.1	25.3	35.4	17.7	17.7	0.0	0.0	0.0
102.5°	38.0	25.3	7.6	5.1	12.7	20.3	7.6	5.1	0.0	0.0	0.0
105°	20.3	10.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
107.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690983

CATALOG NUMBER: CRTK2-C01-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
135°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	2.5	2.5	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)