

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: P691011

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8124 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - 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



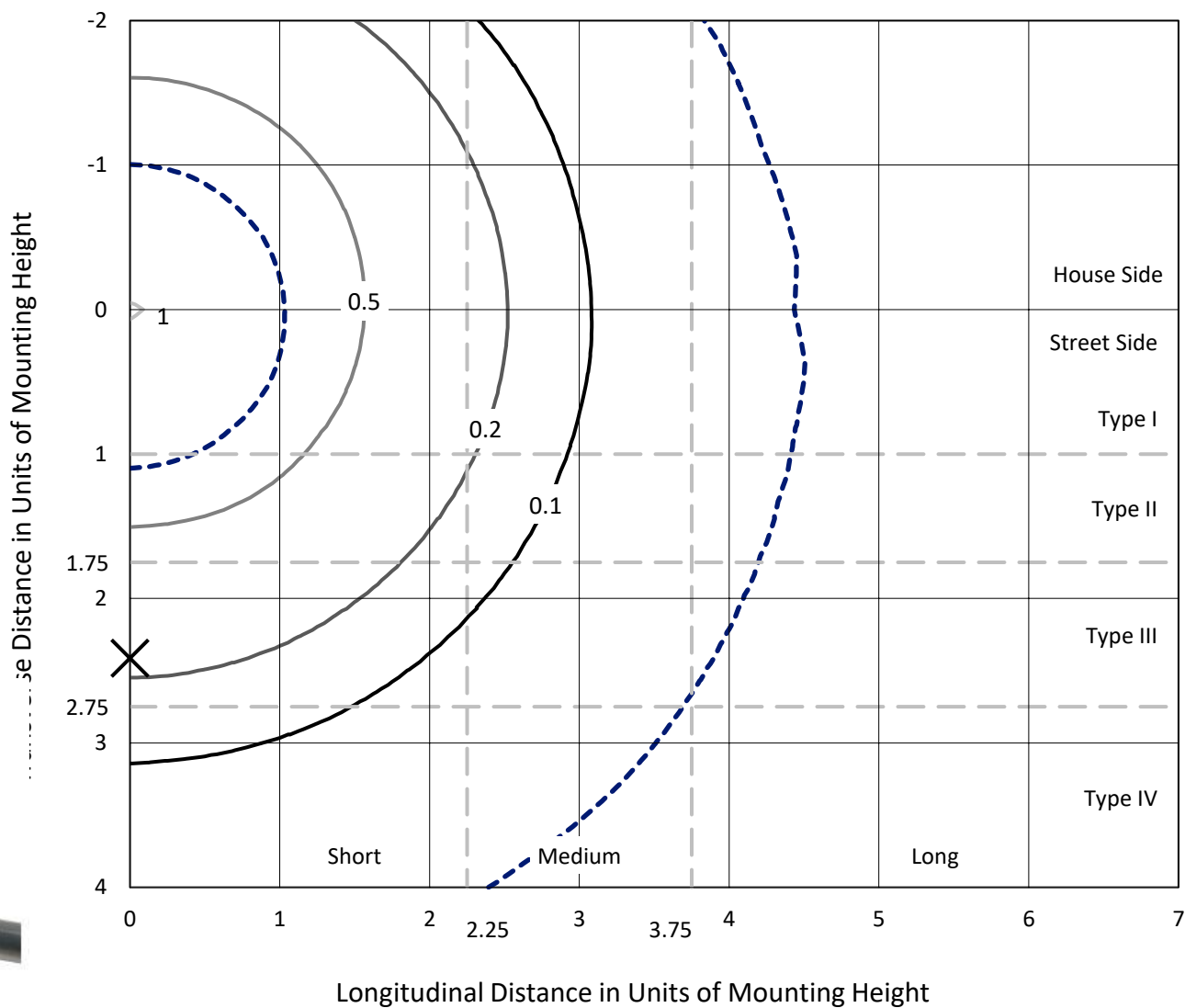
REPORT NUMBER: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

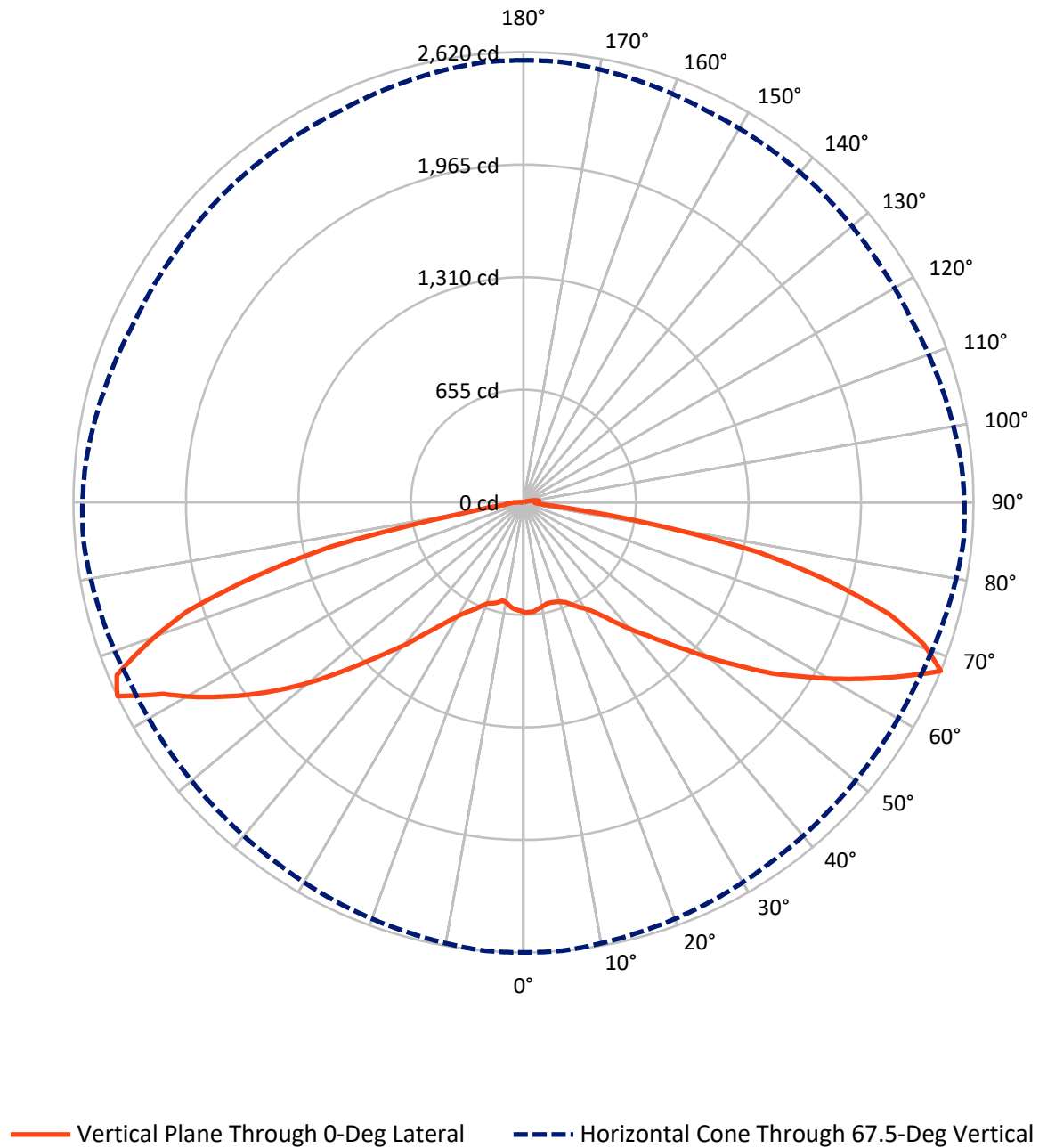
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P691011
CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

Luminous Intensity Polar Plot



REPORT NUMBER: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

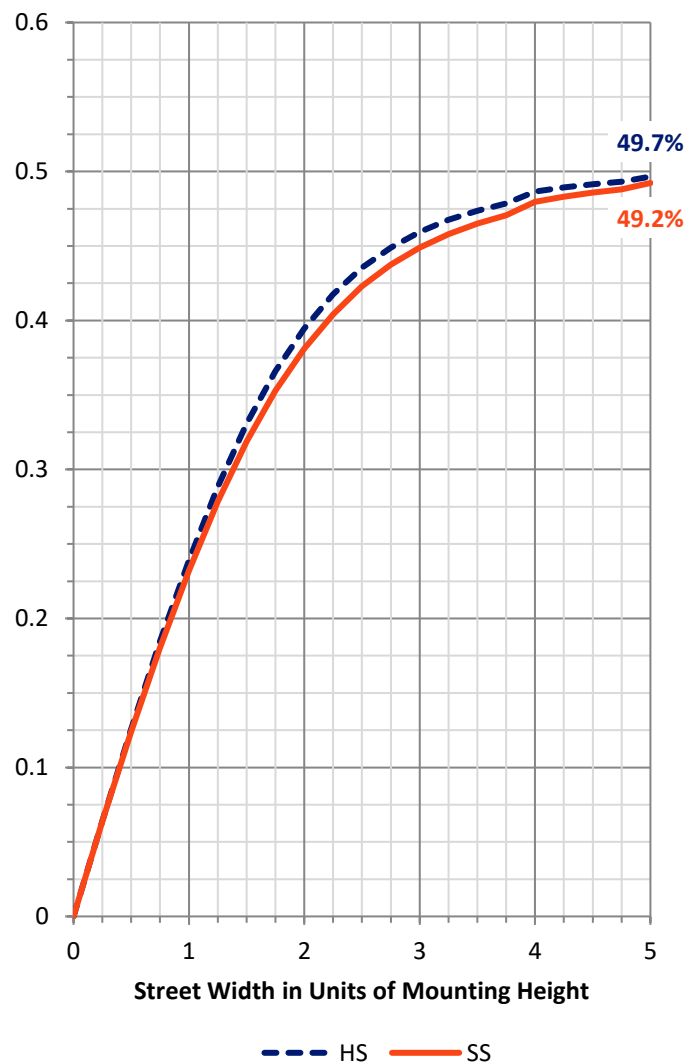
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4022.3	38.1	4060.5
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4009.6	53.9	4063.5
	% Fixture	49.4	0.7	50.0
Total	Lumens	8031.9	92.1	8124.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	0.7
10°-20°	176.8	2.2
20°-30°	319.5	3.9
30°-40°	551.1	6.8
40°-50°	977.6	12.0
50°-60°	1664.3	20.5
60°-70°	2384.4	29.4
70°-80°	1733.7	21.3
80°-90°	164.6	2.0
90°-100°	74.3	0.9
100°-110°	17.8	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	8031.9	98.9
0°-180°	8124.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691011

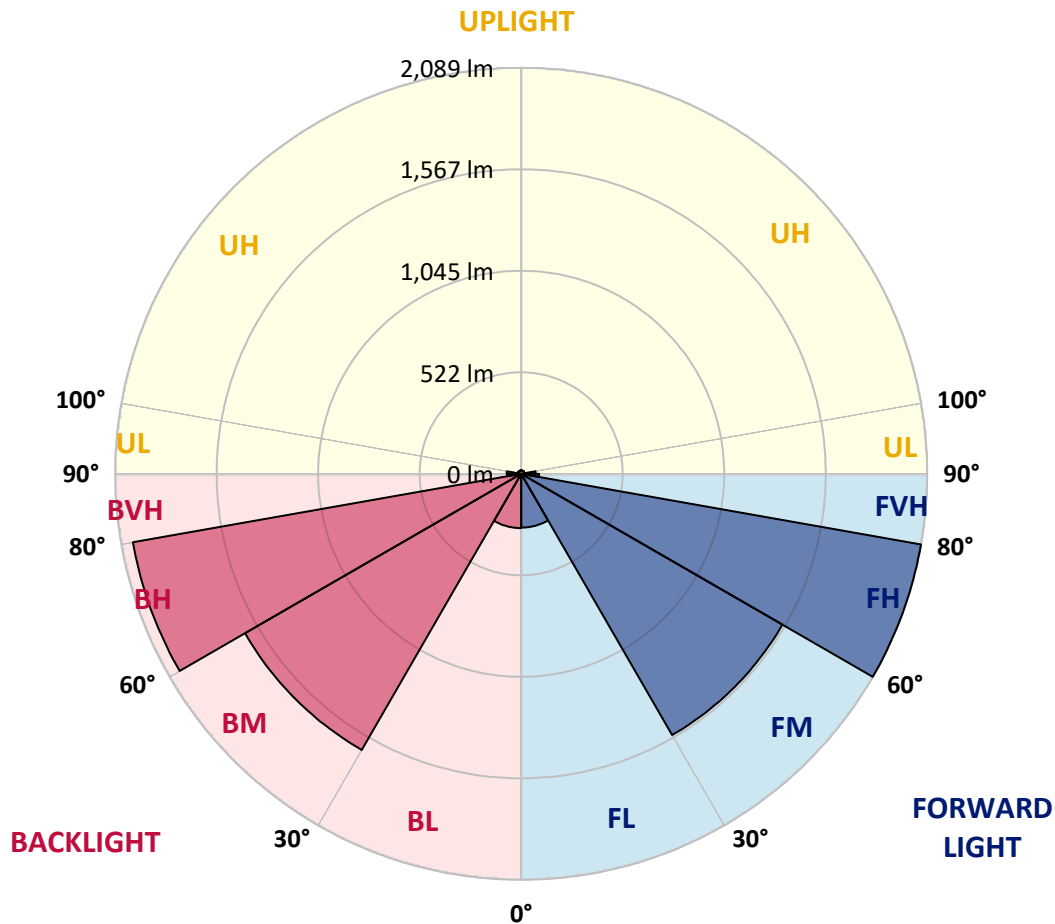
CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.9	3.4			
FM	(30°-60°)	1552.1	19.1			
FH	(60°-80°)	2089.2	25.7			G2/5000
FVH	(80°-90°)	91.4	1.1			G1/100
BL	(0°-30°)	279.4	3.4	B1/500		
BM	(30°-60°)	1640.9	20.2	B2/2500		
BH	(60°-80°)	2028.9	25.0	B3/2500		G2/5000
BVH	(80°-90°)	73.2	0.9			G1/100
UL	(90°-100°)	74.3	0.9		U3/500	
UH	(100°-180°)	17.8	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4
2.5°	640.4	640.4	640.4	640.4	640.4	640.4	637.9	632.8	632.8	632.8	632.8
5°	637.9	637.9	637.9	637.9	640.4	640.4	640.4	635.4	635.4	635.4	635.4
7.5°	625.2	625.2	627.8	627.8	630.3	632.8	630.3	630.3	630.3	632.8	632.8
10°	615.1	615.1	617.6	617.6	620.2	620.2	625.2	625.2	627.8	630.3	630.3
12.5°	605.0	605.0	607.5	612.6	615.1	617.6	620.2	622.7	627.8	630.3	630.3
15°	605.0	605.0	605.0	610.0	617.6	622.7	625.2	630.3	635.4	637.9	640.4
17.5°	610.0	610.0	610.0	615.1	620.2	627.8	635.4	637.9	643.0	648.0	648.0
20°	617.6	617.6	620.2	625.2	632.8	637.9	643.0	650.5	655.6	660.7	663.2
22.5°	632.8	635.4	635.4	637.9	645.5	653.1	658.1	663.2	670.8	675.9	680.9
25°	660.7	658.1	658.1	663.2	668.3	675.9	678.4	683.5	691.0	698.6	701.2
27.5°	691.0	688.5	688.5	693.6	698.6	703.7	706.2	713.8	721.4	729.0	731.5
30°	718.9	718.9	721.4	726.5	731.5	739.1	741.7	749.3	754.3	764.5	764.5
32.5°	761.9	764.5	767.0	769.5	774.6	782.2	789.8	792.3	797.4	805.0	810.0
35°	820.1	825.2	825.2	827.7	840.4	848.0	842.9	850.5	858.1	868.2	873.3
37.5°	896.1	893.6	901.1	911.3	913.8	921.4	918.9	923.9	934.1	946.7	954.3
40°	977.1	979.6	979.6	982.1	989.7	992.3	1002.4	1010.0	1020.1	1037.8	1042.9
42.5°	1060.6	1065.7	1070.7	1073.3	1085.9	1088.5	1096.1	1106.2	1118.8	1131.5	1136.6
45°	1164.4	1161.9	1174.5	1179.6	1192.2	1207.4	1207.4	1212.5	1232.7	1245.4	1253.0
47.5°	1288.4	1293.5	1301.1	1308.7	1328.9	1331.5	1344.1	1351.7	1364.4	1377.0	1379.6
50°	1432.7	1432.7	1440.3	1455.5	1468.2	1480.8	1488.4	1498.5	1508.7	1528.9	1539.0
52.5°	1584.6	1587.1	1597.3	1612.4	1632.7	1635.2	1642.8	1660.5	1668.1	1673.2	1690.9
55°	1756.7	1749.1	1756.7	1779.5	1802.3	1799.8	1802.3	1822.5	1835.2	1845.3	1850.4
57.5°	1913.7	1913.7	1921.3	1939.0	1944.0	1951.6	1954.2	1971.9	1987.1	1999.7	2002.3
60°	2085.8	2083.3	2088.3	2103.5	2121.2	2121.2	2118.7	2136.4	2151.6	2154.1	2171.9
62.5°	2257.9	2250.3	2255.4	2265.5	2275.6	2265.5	2275.6	2290.8	2303.5	2313.6	2318.7
65°	2437.6	2427.5	2430.1	2419.9	2404.7	2392.1	2414.9	2457.9	2495.9	2516.1	2518.6
67.5°	2619.9	2619.9	2592.1	2566.7	2541.4	2526.2	2518.6	2518.6	2544.0	2571.8	2566.7
70°	2470.6	2475.6	2452.8	2435.1	2394.6	2382.0	2374.4	2349.1	2361.7	2369.3	2351.6
72.5°	2227.5	2199.7	2189.6	2182.0	2151.6	2128.8	2103.5	2085.8	2078.2	2083.3	2063.0
75°	1840.3	1895.9	1865.6	1850.4	1830.1	1820.0	1754.2	1733.9	1731.4	1751.7	1751.7
77.5°	1399.8	1430.2	1409.9	1417.5	1387.2	1382.1	1356.8	1334.0	1316.3	1311.2	1260.6
80°	726.5	749.3	754.3	779.6	774.6	759.4	741.7	675.9	658.1	668.3	620.2
82.5°	131.6	136.7	139.2	141.8	131.6	136.7	139.2	126.6	134.2	131.6	126.6
85°	75.9	75.9	78.5	78.5	73.4	68.3	73.4	70.9	70.9	75.9	75.9
87.5°	65.8	68.3	70.9	70.9	63.3	58.2	63.3	63.3	65.8	68.3	68.3
90°	68.3	68.3	73.4	73.4	65.8	60.8	68.3	70.9	70.9	70.9	73.4
92.5°	91.1	88.6	91.1	91.1	83.5	78.5	88.6	88.6	88.6	88.6	91.1
95°	88.6	86.1	88.6	86.1	81.0	75.9	83.5	86.1	86.1	86.1	88.6
97.5°	75.9	75.9	75.9	75.9	68.3	65.8	75.9	75.9	73.4	73.4	75.9
100°	58.2	55.7	55.7	55.7	53.2	53.2	58.2	55.7	53.2	55.7	58.2
102.5°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	35.4	35.4	35.4	40.5
105°	22.8	22.8	20.3	20.3	20.3	20.3	20.3	17.7	17.7	17.7	22.8
107.5°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	7.6
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: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
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	0.0
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	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: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4	640.4
2.5°	635.4	635.4	637.9	635.4	635.4	632.8	630.3	627.8	630.3	630.3
5°	635.4	637.9	635.4	632.8	630.3	627.8	627.8	622.7	622.7	625.2
7.5°	632.8	637.9	632.8	630.3	622.7	620.2	617.6	612.6	612.6	612.6
10°	630.3	630.3	627.8	617.6	612.6	605.0	602.5	597.4	594.9	592.3
12.5°	630.3	630.3	622.7	615.1	607.5	597.4	594.9	589.8	587.3	584.7
15°	637.9	640.4	635.4	625.2	612.6	610.0	602.5	599.9	597.4	602.5
17.5°	650.5	648.0	643.0	632.8	625.2	622.7	612.6	612.6	610.0	615.1
20°	663.2	658.1	653.1	648.0	637.9	632.8	632.8	625.2	627.8	622.7
22.5°	678.4	680.9	673.3	665.7	658.1	655.6	653.1	653.1	650.5	650.5
25°	703.7	703.7	698.6	691.0	686.0	680.9	678.4	680.9	675.9	683.5
27.5°	734.1	731.5	731.5	726.5	718.9	716.4	713.8	716.4	713.8	713.8
30°	764.5	769.5	764.5	761.9	756.9	756.9	754.3	754.3	756.9	754.3
32.5°	812.5	815.1	815.1	812.5	807.5	805.0	805.0	807.5	812.5	810.0
35°	875.8	878.4	883.4	888.5	888.5	883.4	878.4	875.8	878.4	878.4
37.5°	959.4	961.9	967.0	967.0	964.4	961.9	964.4	969.5	959.4	959.4
40°	1045.4	1042.9	1048.0	1053.0	1055.6	1053.0	1050.5	1055.6	1060.6	1068.2
42.5°	1141.6	1146.7	1149.2	1159.3	1164.4	1164.4	1161.9	1169.5	1172.0	1172.0
45°	1255.5	1268.2	1263.1	1280.8	1296.0	1298.6	1291.0	1296.0	1291.0	1296.0
47.5°	1387.2	1397.3	1407.4	1422.6	1430.2	1435.3	1432.7	1437.8	1442.8	1442.8
50°	1536.5	1544.1	1561.8	1582.1	1594.7	1594.7	1584.6	1594.7	1604.8	1602.3
52.5°	1693.4	1708.6	1726.4	1744.1	1754.2	1756.7	1756.7	1764.3	1761.8	1761.8
55°	1858.0	1870.6	1893.4	1903.5	1916.2	1921.3	1921.3	1923.8	1921.3	1921.3
57.5°	2014.9	2030.1	2047.8	2068.1	2080.7	2085.8	2080.7	2080.7	2080.7	2075.7
60°	2176.9	2187.0	2204.8	2220.0	2227.5	2237.7	2237.7	2235.1	2232.6	2230.1
62.5°	2326.3	2331.3	2336.4	2338.9	2346.5	2366.8	2366.8	2379.4	2379.4	2376.9
65°	2521.2	2498.4	2478.1	2483.2	2500.9	2518.6	2533.8	2584.5	2609.8	2619.9
67.5°	2559.2	2526.2	2495.9	2493.3	2503.5	2508.5	2516.1	2544.0	2571.8	2571.8
70°	2336.4	2316.1	2288.3	2301.0	2308.6	2301.0	2311.1	2328.8	2354.1	2331.3
72.5°	2047.8	2014.9	2035.2	2047.8	2035.2	2025.0	2030.1	2027.6	2045.3	2063.0
75°	1728.9	1660.5	1660.5	1660.5	1665.6	1642.8	1642.8	1645.3	1678.3	1632.7
77.5°	1280.8	1232.7	1220.1	1169.5	1164.4	1134.0	1154.3	1141.6	1172.0	1154.3
80°	597.4	577.1	569.5	518.9	508.8	427.8	458.2	407.5	422.7	379.7
82.5°	124.0	121.5	119.0	106.3	96.2	83.5	98.7	111.4	113.9	111.4
85°	78.5	81.0	81.0	75.9	70.9	63.3	75.9	93.7	98.7	98.7
87.5°	68.3	70.9	70.9	68.3	63.3	55.7	63.3	70.9	73.4	70.9
90°	73.4	75.9	73.4	70.9	65.8	58.2	65.8	68.3	55.7	58.2
92.5°	88.6	88.6	86.1	86.1	83.5	73.4	81.0	65.8	25.3	7.6
95°	86.1	83.5	83.5	81.0	78.5	65.8	65.8	17.7	0.0	0.0
97.5°	73.4	68.3	68.3	65.8	65.8	55.7	40.5	0.0	0.0	0.0
100°	55.7	48.1	48.1	45.6	45.6	38.0	15.2	0.0	0.0	0.0
102.5°	38.0	30.4	27.8	25.3	25.3	22.8	2.5	0.0	0.0	0.0
105°	20.3	12.7	10.1	7.6	7.6	5.1	0.0	0.0	0.0	0.0
107.5°	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691011

CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)