

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: P691903

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691903
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-C01H-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: 8657.9 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

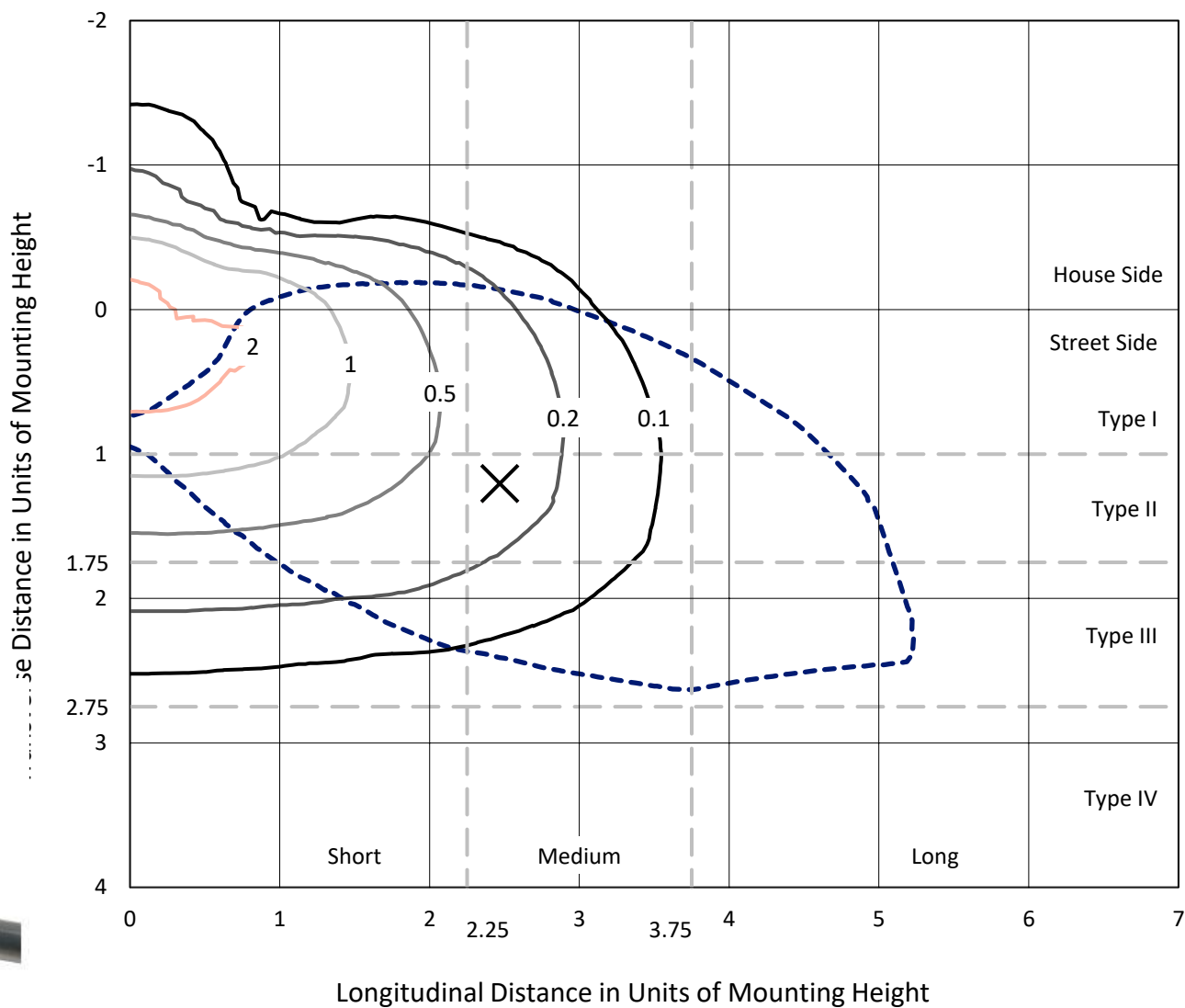
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691903
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

Iso-Footcandle Lines of Horizontal Illumination

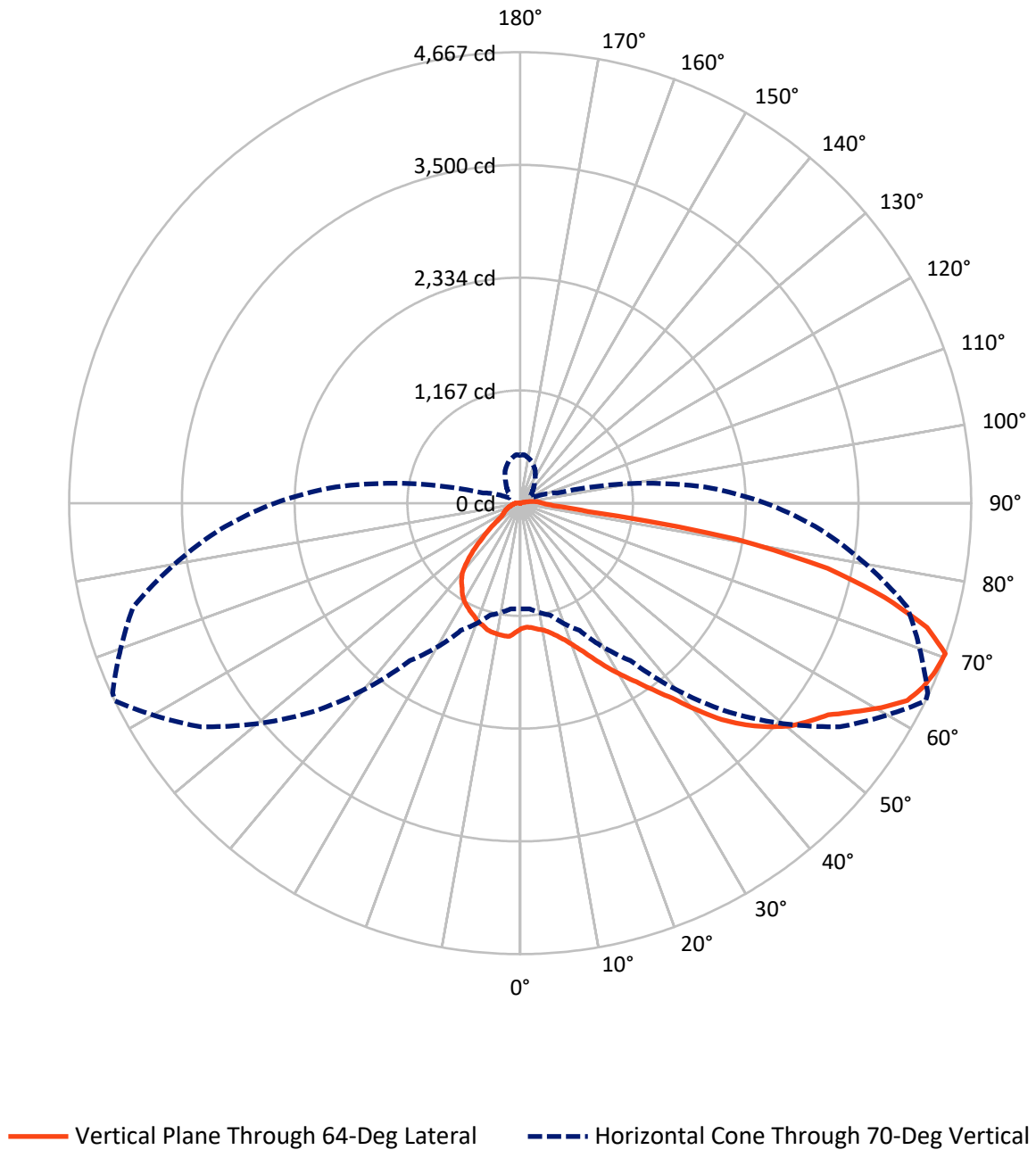
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P691903
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

Luminous Intensity Polar Plot



REPORT NUMBER: P691903

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

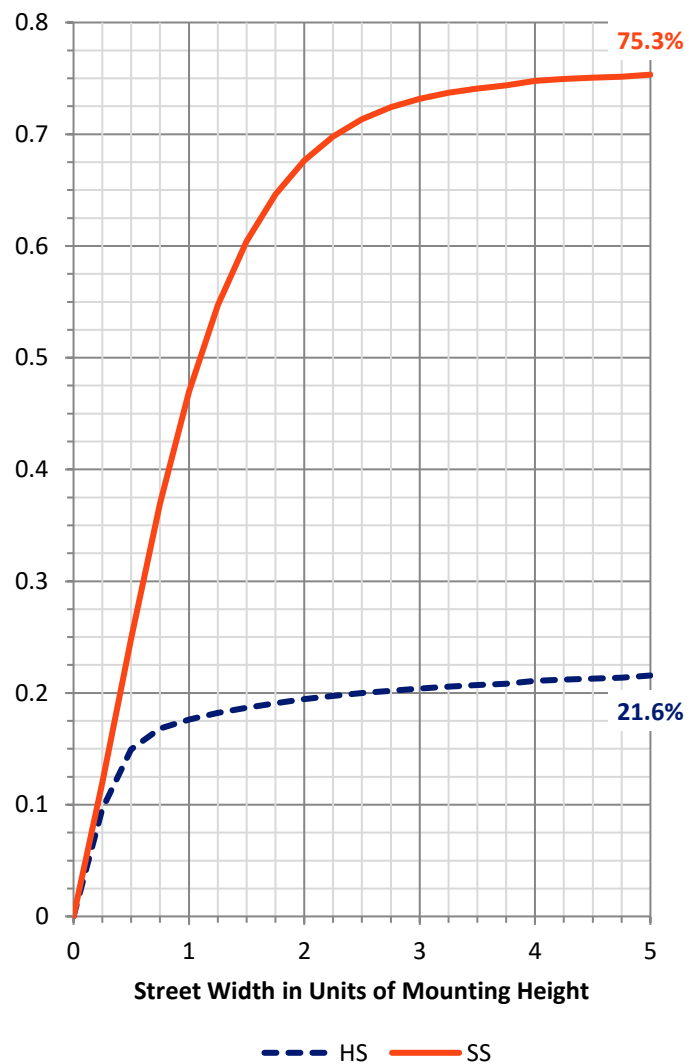
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1973.8	53.4	2027.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6561.7	69.0	6630.7
	% Fixture	75.8	0.8	76.6
Total	Lumens	8535.5	122.5	8657.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	1.5
10°-20°	403.1	4.7
20°-30°	699.3	8.1
30°-40°	1014.8	11.7
40°-50°	1361.9	15.7
50°-60°	1646.6	19.0
60°-70°	1772.5	20.5
70°-80°	1217.4	14.1
80°-90°	290.5	3.4
90°-100°	105.1	1.2
100°-110°	13.2	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°	8535.5	98.6
0°-180°	8657.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691903

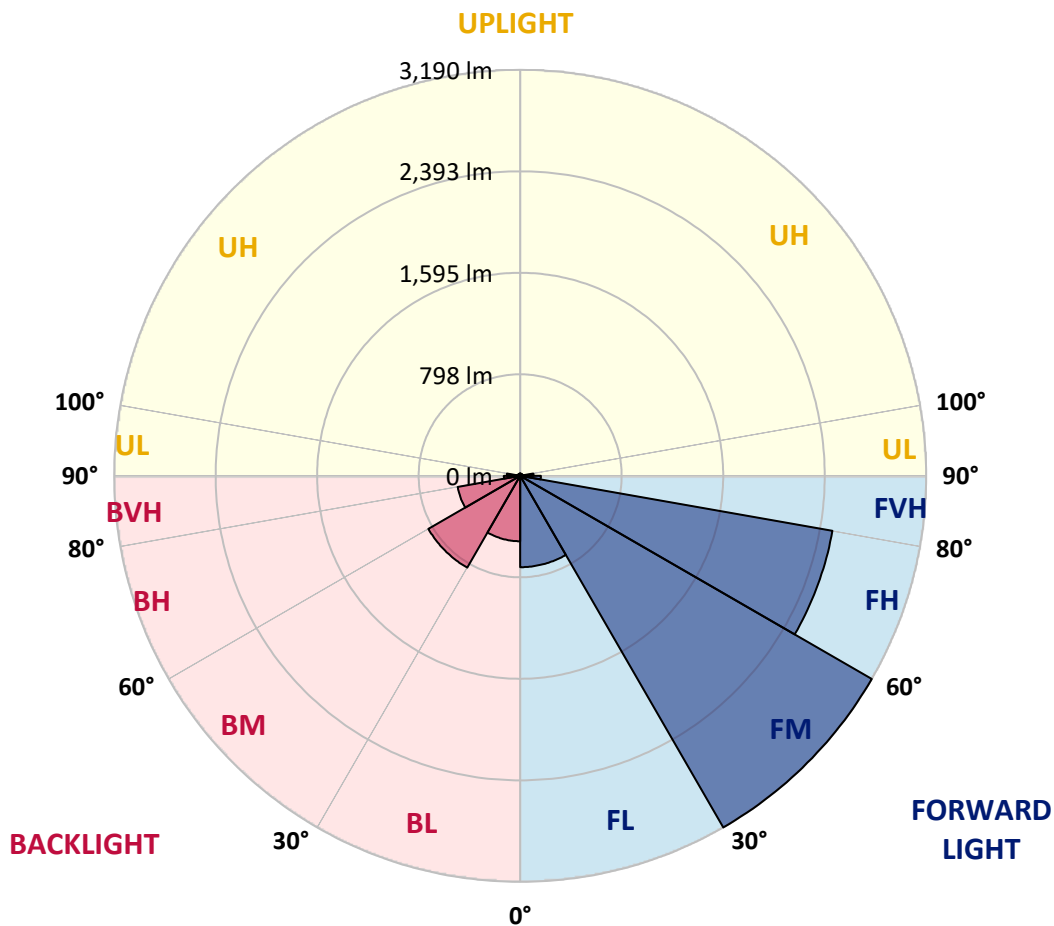
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.9	8.3			
FM	(30°-60°)	3190.3	36.8			
FH	(60°-80°)	2491.1	28.8			G2/5000
FVH	(80°-90°)	162.5	1.9			G2/225
BL	(0°-30°)	514.0	5.9	B2/1000		
BM	(30°-60°)	833.0	9.6	B1/1000		
BH	(60°-80°)	498.7	5.8	B1/500		G1/500
BVH	(80°-90°)	128.0	1.5			G2/225
UL	(90°-100°)	105.1	1.2		U3/500	
UH	(100°-180°)	17.3	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



REPORT NUMBER: P691903

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4
2.5°	1288.0	1288.0	1285.2	1285.2	1288.0	1290.9	1288.0	1285.2	1288.0	1290.9	1299.4
5°	1339.1	1336.3	1333.4	1322.1	1310.7	1302.2	1296.5	1293.7	1296.5	1307.9	1327.7
7.5°	1373.1	1370.3	1370.3	1367.5	1356.1	1333.4	1319.2	1316.4	1316.4	1319.2	1344.8
10°	1444.1	1438.4	1427.0	1407.2	1395.8	1367.5	1341.9	1336.3	1336.3	1341.9	1373.1
12.5°	1520.7	1509.3	1512.2	1489.5	1455.4	1424.2	1387.3	1373.1	1367.5	1373.1	1390.2
15°	1625.6	1617.1	1594.4	1568.9	1534.8	1492.3	1446.9	1424.2	1421.4	1429.9	1415.7
17.5°	1702.2	1690.9	1693.7	1656.8	1628.5	1571.7	1529.2	1486.6	1486.6	1498.0	1461.1
20°	1781.7	1776.0	1784.5	1776.0	1733.4	1682.4	1620.0	1568.9	1560.4	1566.1	1512.2
22.5°	1883.8	1875.3	1875.3	1878.1	1844.1	1793.0	1719.3	1668.2	1665.4	1642.7	1568.9
25°	1988.8	1980.3	1977.4	1983.1	1977.4	1917.9	1841.3	1790.2	1781.7	1750.5	1645.5
27.5°	2088.1	2088.1	2090.9	2096.6	2105.1	2056.9	1983.1	1926.4	1926.4	1892.3	1747.6
30°	2161.8	2161.8	2187.4	2198.7	2207.2	2195.9	2116.4	2062.5	2068.2	2022.8	1863.9
32.5°	2229.9	2232.8	2261.1	2289.5	2298.0	2306.5	2238.4	2204.4	2204.4	2161.8	1988.8
35°	2298.0	2298.0	2337.7	2394.5	2422.8	2414.3	2383.1	2371.8	2374.6	2366.1	2173.2
37.5°	2351.9	2357.6	2417.2	2488.1	2527.8	2542.0	2525.0	2561.9	2595.9	2621.4	2414.3
40°	2405.8	2405.8	2462.6	2539.2	2610.1	2649.8	2672.5	2811.5	2837.1	2845.6	2550.5
42.5°	2349.1	2363.3	2482.4	2595.9	2686.7	2754.8	2856.9	3064.0	3095.2	2998.8	2734.9
45°	2295.2	2312.2	2431.4	2621.4	2751.9	2888.1	3064.0	3274.0	3299.5	3154.8	2845.6
47.5°	2241.3	2261.1	2391.6	2598.7	2811.5	3035.7	3225.7	3458.4	3469.7	3282.5	2970.4
50°	2184.5	2204.4	2343.4	2573.2	2848.4	3186.0	3387.4	3625.8	3625.8	3396.0	3044.2
52.5°	2113.6	2136.3	2278.2	2533.5	2876.8	3288.1	3535.0	3747.8	3725.1	3532.1	3126.4
55°	2022.8	2054.0	2204.4	2476.8	2888.1	3342.1	3628.6	3866.9	3861.2	3699.5	3231.4
57.5°	1926.4	1951.9	2113.6	2403.0	2876.8	3378.9	3727.9	4074.0	4082.5	3844.2	3313.7
60°	1818.6	1835.6	1991.6	2300.9	2803.0	3444.2	3952.0	4295.3	4306.7	3977.6	3344.9
62.5°	1676.7	1688.0	1835.6	2161.8	2703.7	3486.7	4113.7	4496.7	4491.1	4096.7	3350.6
65°	1498.0	1512.2	1651.2	1977.4	2556.2	3458.4	4153.5	4584.7	4590.4	4153.5	3342.1
67.5°	1324.9	1333.4	1449.7	1733.4	2317.9	3322.2	4113.7	4635.8	4661.3	4201.7	3259.8
70°	1095.1	1097.9	1200.1	1452.6	1988.8	3061.2	4034.3	4667.0	4652.8	4144.9	3117.9
72.5°	842.6	845.4	922.0	1112.1	1546.2	2607.3	3753.4	4403.1	4377.6	3832.9	2811.5
75°	598.6	610.0	655.4	780.2	1035.5	1903.7	3211.5	3898.1	3915.1	3410.1	2343.4
77.5°	340.4	351.8	388.7	488.0	595.8	1066.7	2425.7	3251.3	3262.6	2868.3	1798.7
80°	147.5	150.4	164.5	232.6	317.8	510.7	1242.6	2278.2	2442.7	1949.1	1027.0
82.5°	124.8	124.8	130.5	136.2	139.0	232.6	482.3	706.4	729.1	575.9	334.8
85°	107.8	107.8	113.5	119.2	122.0	158.9	292.2	354.6	368.8	329.1	235.5
87.5°	85.1	85.1	93.6	99.3	99.3	130.5	218.5	263.8	272.4	263.8	209.9
90°	76.6	76.6	73.8	73.8	76.6	93.6	170.2	221.3	229.8	280.9	241.1
92.5°	65.3	68.1	68.1	68.1	59.6	68.1	122.0	195.8	212.8	278.0	218.5
95°	65.3	62.4	62.4	59.6	56.7	59.6	90.8	170.2	190.1	241.1	184.4
97.5°	45.4	42.6	45.4	48.2	51.1	53.9	76.6	124.8	139.0	187.2	136.2
100°	28.4	28.4	28.4	28.4	34.0	36.9	62.4	76.6	85.1	119.2	90.8
102.5°	17.0	14.2	14.2	14.2	17.0	22.7	31.2	42.6	45.4	68.1	53.9
105°	5.7	5.7	5.7	5.7	8.5	11.3	11.3	17.0	17.0	22.7	22.7
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: P691903

CATALOG NUMBER: CRTK2-C01H-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	2.8	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: P691903

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4
2.5°	1305.0	1310.7	1322.1	1336.3	1353.3	1367.5	1378.8	1381.6	1387.3	1387.3	1393.0
5°	1333.4	1344.8	1361.8	1381.6	1390.2	1384.5	1384.5	1387.3	1393.0	1407.2	1412.9
7.5°	1364.6	1373.1	1373.1	1381.6	1398.7	1393.0	1390.2	1387.3	1387.3	1381.6	1390.2
10°	1376.0	1364.6	1378.8	1376.0	1370.3	1381.6	1384.5	1367.5	1370.3	1370.3	1373.1
12.5°	1378.8	1378.8	1367.5	1367.5	1367.5	1341.9	1336.3	1350.4	1336.3	1341.9	1339.1
15°	1410.0	1387.3	1373.1	1356.1	1333.4	1324.9	1305.0	1282.3	1282.3	1288.0	1288.0
17.5°	1432.7	1410.0	1367.5	1322.1	1313.6	1273.8	1259.7	1254.0	1251.1	1254.0	1259.7
20°	1466.8	1432.7	1361.8	1316.4	1242.6	1228.4	1202.9	1200.1	1194.4	1174.5	1168.9
22.5°	1512.2	1458.2	1359.0	1268.2	1208.6	1160.4	1115.0	1086.6	1083.8	1069.6	1061.1
25°	1563.2	1509.3	1370.3	1245.5	1146.2	1075.2	1038.4	973.1	941.9	953.3	947.6
27.5°	1668.2	1568.9	1390.2	1214.3	1095.1	984.5	899.3	859.6	819.9	819.9	825.6
30°	1764.6	1645.5	1390.2	1185.9	1010.0	876.7	766.0	703.6	686.6	675.2	669.5
32.5°	1909.3	1742.0	1449.7	1146.2	930.6	737.6	612.8	539.0	541.9	553.2	550.4
35°	2076.7	1895.2	1466.8	1089.4	814.2	598.6	473.8	434.1	456.8	462.4	462.4
37.5°	2278.2	2082.4	1543.4	1044.0	692.2	442.6	374.5	357.5	377.3	374.5	385.8
40°	2388.8	2173.2	1608.6	987.3	530.5	326.3	289.4	278.0	309.2	334.8	340.4
42.5°	2544.8	2281.0	1671.0	879.5	360.3	238.3	221.3	258.2	303.6	331.9	334.8
45°	2630.0	2343.4	1645.5	746.1	229.8	192.9	215.6	261.0	309.2	337.6	340.4
47.5°	2732.1	2425.7	1600.1	581.6	184.4	190.1	218.5	266.7	317.8	343.3	343.3
50°	2834.2	2508.0	1489.5	456.8	173.1	187.2	224.1	269.5	314.9	331.9	331.9
52.5°	2893.8	2578.9	1359.0	331.9	170.2	187.2	227.0	272.4	312.1	320.6	320.6
55°	2947.7	2584.6	1245.5	246.8	167.4	190.1	229.8	278.0	314.9	323.4	320.6
57.5°	2978.9	2547.7	1166.0	212.8	164.5	190.1	232.6	283.7	337.6	357.5	351.8
60°	2961.9	2490.9	1106.5	198.6	161.7	190.1	235.5	300.7	428.4	462.4	451.1
62.5°	2933.5	2451.2	981.6	181.6	156.0	190.1	238.3	340.4	476.6	493.6	479.5
65°	2896.6	2334.9	839.8	164.5	150.4	187.2	241.1	368.8	453.9	453.9	451.1
67.5°	2743.4	2178.9	627.0	147.5	141.9	187.2	246.8	363.1	436.9	473.8	473.8
70°	2539.2	1917.9	414.2	130.5	133.3	181.6	258.2	368.8	451.1	502.2	496.5
72.5°	2150.5	1591.6	229.8	113.5	122.0	178.7	258.2	391.5	488.0	544.7	536.2
75°	1756.1	1177.4	164.5	102.1	110.6	173.1	261.0	405.7	522.0	581.6	567.4
77.5°	1237.0	675.2	130.5	87.9	99.3	164.5	258.2	400.0	539.0	592.9	575.9
80°	522.0	244.0	107.8	79.4	85.1	147.5	238.3	383.0	539.0	627.0	618.5
82.5°	235.5	173.1	93.6	70.9	79.4	122.0	221.3	368.8	522.0	629.8	680.9
85°	184.4	141.9	79.4	62.4	70.9	116.3	198.6	351.8	499.3	581.6	638.3
87.5°	175.9	141.9	70.9	56.7	65.3	99.3	153.2	326.3	448.3	536.2	581.6
90°	190.1	147.5	56.7	48.2	59.6	87.9	124.8	275.2	388.7	471.0	471.0
92.5°	175.9	136.2	42.6	36.9	62.4	70.9	119.2	170.2	280.9	235.5	292.2
95°	147.5	113.5	28.4	25.5	59.6	59.6	65.3	79.4	195.8	5.7	0.0
97.5°	107.8	82.3	17.0	14.2	45.4	48.2	31.2	36.9	79.4	0.0	0.0
100°	79.4	53.9	11.3	11.3	28.4	39.7	19.9	19.9	0.0	0.0	0.0
102.5°	42.6	28.4	8.5	5.7	14.2	22.7	8.5	5.7	0.0	0.0	0.0
105°	22.7	11.3	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
107.5°	5.7	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: P691903

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027

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)