

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: P691895

Luminaire Tested: **CRTK2-C01H-D-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691895
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-T3-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9974 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

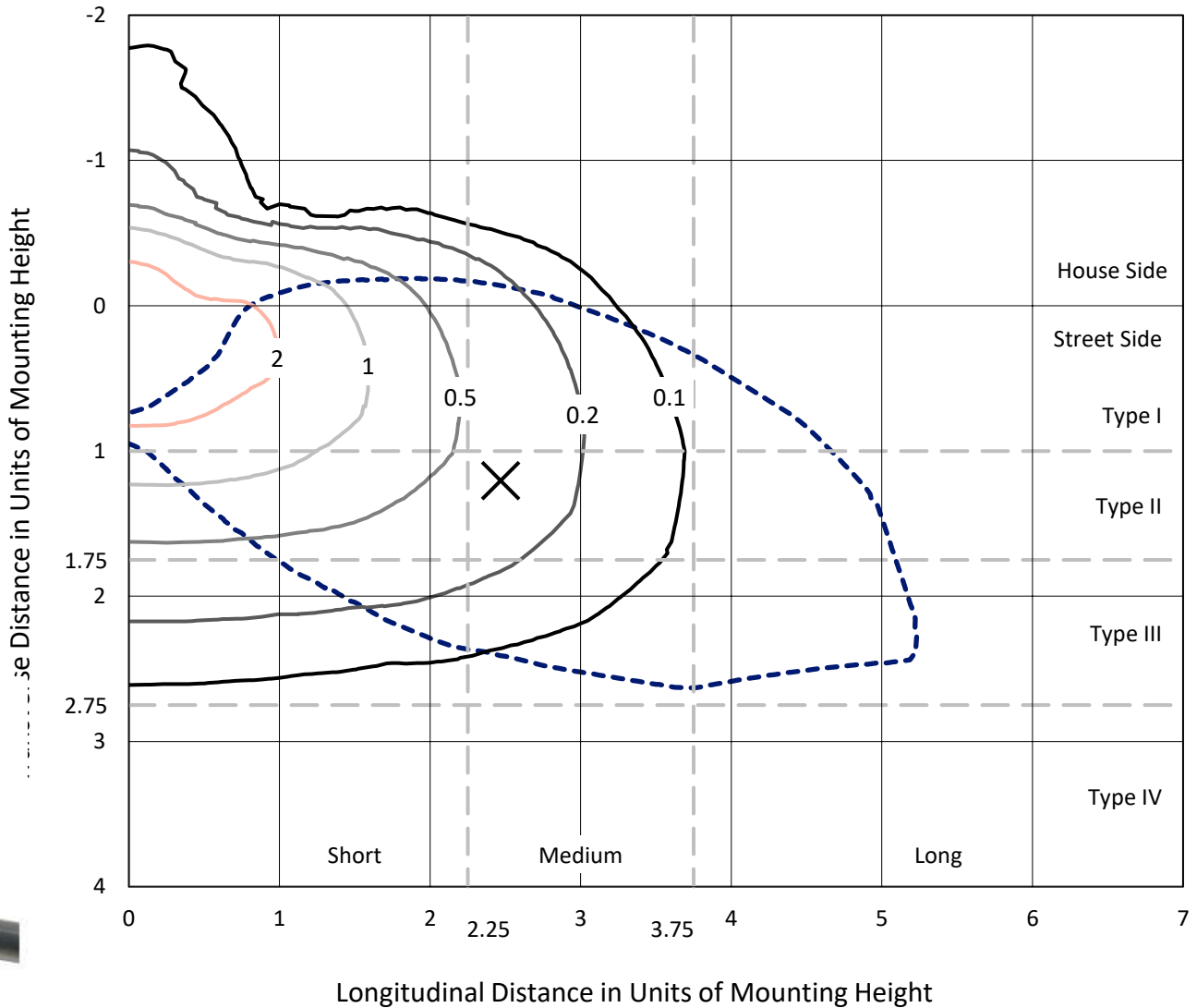
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691895
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

Iso-Footcandle Lines of Horizontal Illumination

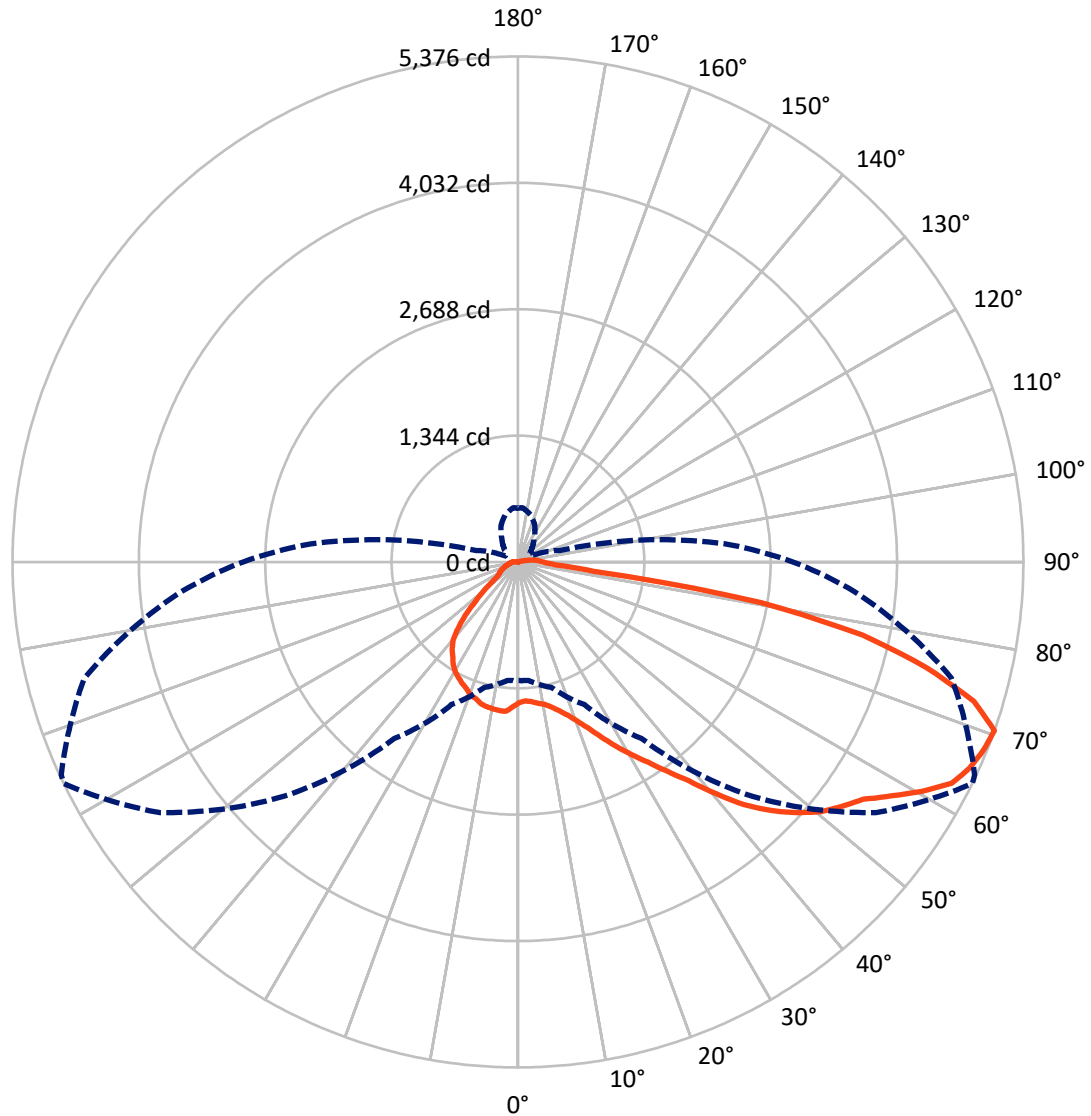
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P691895
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P691895
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

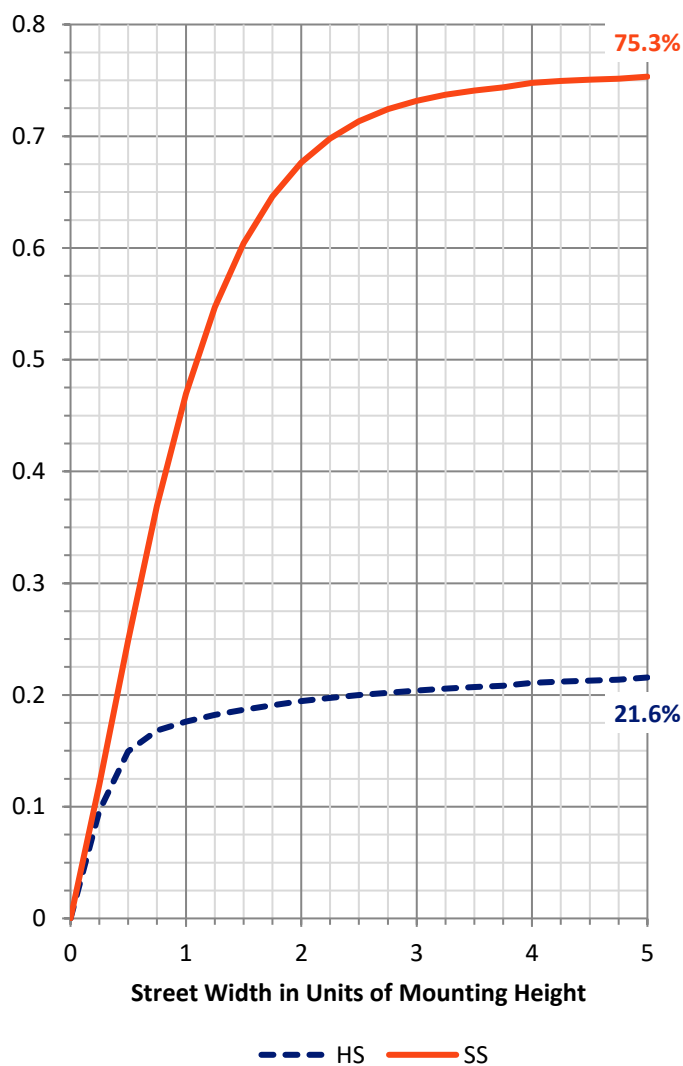
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2273.8	61.6	2335.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7559.1	79.6	7638.6
	% Fixture	75.8	0.8	76.6
Total	Lumens	9832.9	141.2	9974.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	1.5
10°-20°	464.4	4.7
20°-30°	805.6	8.1
30°-40°	1169.0	11.7
40°-50°	1568.9	15.7
50°-60°	1896.9	19.0
60°-70°	2041.9	20.5
70°-80°	1402.4	14.1
80°-90°	334.6	3.4
90°-100°	121.1	1.2
100°-110°	15.2	0.2
110°-120°	1.1	0.0
120°-130°	1.1	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9832.9	98.6
0°-180°	9974.0	100.0

Coefficient of Utilization

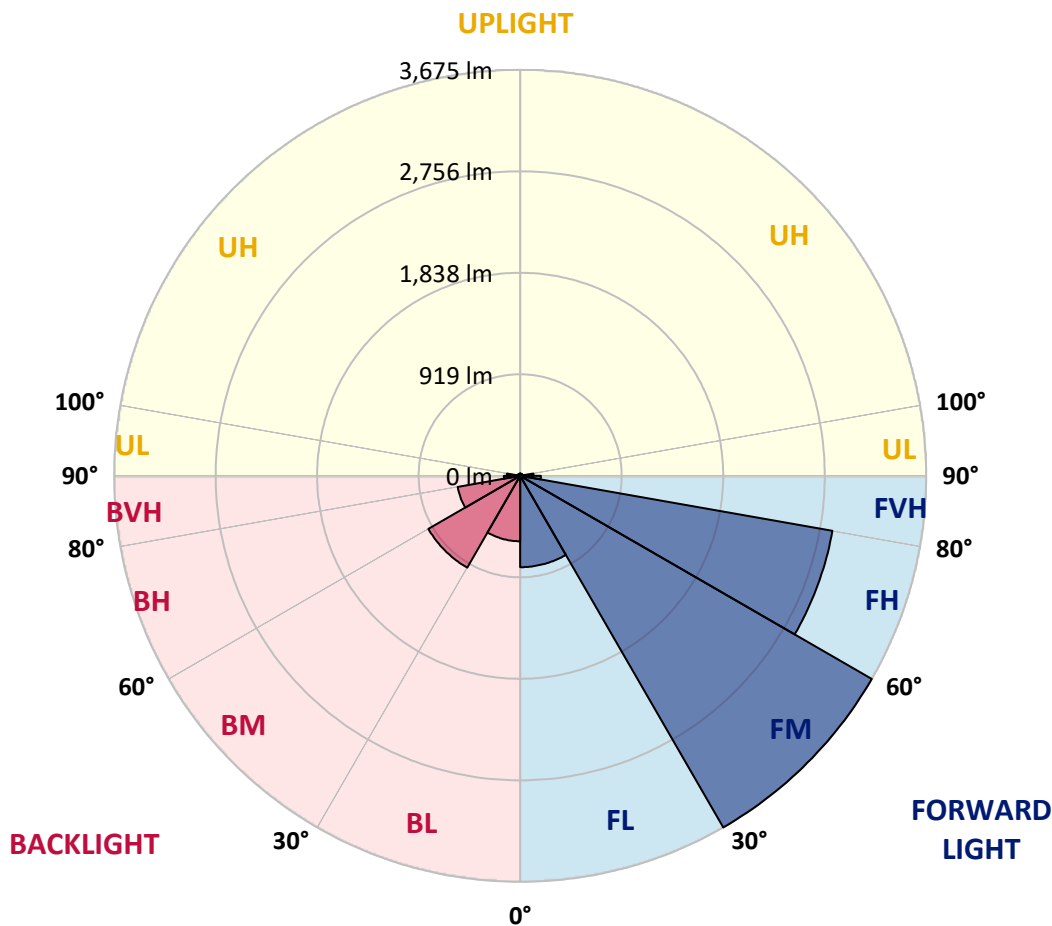


REPORT NUMBER: P691895
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.0	8.3			
FM (30°-60°)	3675.2	36.8			
FH (60°-80°)	2869.7	28.8			G2/5000
FVH (80°-90°)	187.2	1.9			G2/225
BL (0°-30°)	592.2	5.9	B2/1000		
BM (30°-60°)	959.6	9.6	B1/1000		
BH (60°-80°)	574.6	5.8	B2/1000		G2/1000
BVH (80°-90°)	147.4	1.5			G2/225
UL (90°-100°)	121.1	1.2		U3/500	
UH (100°-180°)	20.1	0.2		U2/50	

BUG Rating: B2-U3-G2
 Type III Medium





REPORT NUMBER: P691895

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1483.8	1483.8	1480.5	1480.5	1483.8	1487.1	1483.8	1480.5	1483.8	1487.1	1496.9
5°	1542.6	1539.4	1536.1	1523.0	1509.9	1500.1	1493.6	1490.3	1493.6	1506.7	1529.6
7.5°	1581.8	1578.6	1578.6	1575.3	1562.2	1536.1	1519.8	1516.5	1516.5	1519.8	1549.2
10°	1663.6	1657.0	1643.9	1621.1	1608.0	1575.3	1545.9	1539.4	1539.4	1545.9	1581.8
12.5°	1751.8	1738.7	1742.0	1715.8	1676.6	1640.7	1598.2	1581.8	1575.3	1581.8	1601.5
15°	1872.7	1862.9	1836.8	1807.4	1768.1	1719.1	1666.8	1640.7	1637.4	1647.2	1630.9
17.5°	1961.0	1947.9	1951.2	1908.7	1876.0	1810.6	1761.6	1712.6	1712.6	1725.7	1683.2
20°	2052.5	2045.9	2055.8	2045.9	1996.9	1938.1	1866.2	1807.4	1797.6	1804.1	1742.0
22.5°	2170.1	2160.3	2160.3	2163.6	2124.4	2065.6	1980.6	1921.8	1918.5	1892.3	1807.4
25°	2291.1	2281.3	2278.0	2284.5	2278.0	2209.4	2121.1	2062.3	2052.5	2016.5	1895.6
27.5°	2405.5	2405.5	2408.7	2415.3	2425.1	2369.5	2284.5	2219.2	2219.2	2179.9	2013.3
30°	2490.4	2490.4	2519.8	2532.9	2542.7	2529.7	2438.1	2376.0	2382.6	2330.3	2147.3
32.5°	2568.9	2572.1	2604.8	2637.5	2647.3	2657.1	2578.7	2539.5	2539.5	2490.4	2291.1
35°	2647.3	2647.3	2693.1	2758.4	2791.1	2781.3	2745.4	2732.3	2735.6	2725.7	2503.5
37.5°	2709.4	2715.9	2784.6	2866.3	2912.0	2928.4	2908.8	2951.3	2990.5	3019.9	2781.3
40°	2771.5	2771.5	2836.9	2925.1	3006.8	3052.6	3078.7	3238.9	3268.3	3278.1	2938.2
42.5°	2706.1	2722.5	2859.7	2990.5	3095.1	3173.5	3291.2	3529.7	3565.7	3454.6	3150.6
45°	2644.0	2663.7	2800.9	3019.9	3170.2	3327.1	3529.7	3771.6	3801.0	3634.3	3278.1
47.5°	2581.9	2604.8	2755.2	2993.7	3238.9	3497.1	3716.0	3984.0	3997.1	3781.4	3421.9
50°	2516.6	2539.5	2699.6	2964.3	3281.4	3670.3	3902.3	4176.9	4176.9	3912.1	3506.9
52.5°	2434.9	2461.0	2624.4	2918.6	3314.0	3787.9	4072.3	4317.4	4291.3	4069.0	3601.6
55°	2330.3	2366.2	2539.5	2853.2	3327.1	3850.0	4180.1	4454.7	4448.1	4261.8	3722.6
57.5°	2219.2	2248.6	2434.9	2768.2	3314.0	3892.5	4294.5	4693.3	4703.1	4428.5	3817.4
60°	2095.0	2114.6	2294.3	2650.6	3229.1	3967.7	4552.7	4948.2	4961.3	4582.1	3853.3
62.5°	1931.6	1944.6	2114.6	2490.4	3114.7	4016.7	4739.0	5180.2	5173.7	4719.4	3859.8
65°	1725.7	1742.0	1902.1	2278.0	2944.7	3984.0	4784.8	5281.5	5288.1	4784.8	3850.0
67.5°	1526.3	1536.1	1670.1	1996.9	2670.2	3827.2	4739.0	5340.4	5369.8	4840.3	3755.3
70°	1261.6	1264.8	1382.5	1673.4	2291.1	3526.5	4647.5	5376.3	5360.0	4775.0	3591.8
72.5°	970.7	973.9	1062.2	1281.2	1781.2	3003.6	4323.9	5072.4	5043.0	4415.5	3238.9
75°	689.6	702.7	755.0	898.8	1192.9	2193.0	3699.7	4490.6	4510.2	3928.5	2699.6
77.5°	392.2	405.3	447.8	562.1	686.3	1228.9	2794.4	3745.5	3758.5	3304.2	2072.1
80°	170.0	173.2	189.6	268.0	366.0	588.3	1431.5	2624.4	2814.0	2245.3	1183.1
82.5°	143.8	143.8	150.3	156.9	160.1	268.0	555.6	813.8	839.9	663.5	385.7
85°	124.2	124.2	130.7	137.3	140.5	183.0	336.6	408.5	424.9	379.1	271.3
87.5°	98.0	98.0	107.9	114.4	114.4	150.3	251.7	304.0	313.8	304.0	241.9
90°	88.2	88.2	85.0	85.0	88.2	107.9	196.1	254.9	264.7	323.6	277.8
92.5°	75.2	78.4	78.4	78.4	68.6	78.4	140.5	225.5	245.1	320.3	251.7
95°	75.2	71.9	71.9	68.6	65.4	68.6	104.6	196.1	219.0	277.8	212.4
97.5°	52.3	49.0	52.3	55.6	58.8	62.1	88.2	143.8	160.1	215.7	156.9
100°	32.7	32.7	32.7	32.7	39.2	42.5	71.9	88.2	98.0	137.3	104.6
102.5°	19.6	16.3	16.3	16.3	19.6	26.1	36.0	49.0	52.3	78.4	62.1
105°	6.5	6.5	6.5	6.5	9.8	13.1	13.1	19.6	19.6	26.1	26.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3



REPORT NUMBER: P691895
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

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	3.3	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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: P691895

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1503.4	1509.9	1523.0	1539.4	1559.0	1575.3	1588.4	1591.7	1598.2	1598.2	1604.7
5°	1536.1	1549.2	1568.8	1591.7	1601.5	1594.9	1594.9	1598.2	1604.7	1621.1	1627.6
7.5°	1572.0	1581.8	1581.8	1591.7	1611.3	1604.7	1601.5	1598.2	1598.2	1591.7	1601.5
10°	1585.1	1572.0	1588.4	1585.1	1578.6	1591.7	1594.9	1575.3	1578.6	1578.6	1581.8
12.5°	1588.4	1588.4	1575.3	1575.3	1575.3	1545.9	1539.4	1555.7	1539.4	1545.9	1542.6
15°	1624.3	1598.2	1581.8	1562.2	1536.1	1526.3	1503.4	1477.3	1477.3	1483.8	1483.8
17.5°	1650.5	1624.3	1575.3	1523.0	1513.2	1467.5	1451.1	1444.6	1441.3	1444.6	1451.1
20°	1689.7	1650.5	1568.8	1516.5	1431.5	1415.2	1385.8	1382.5	1375.9	1353.1	1346.5
22.5°	1742.0	1679.9	1565.5	1460.9	1392.3	1336.7	1284.4	1251.8	1248.5	1232.1	1222.3
25°	1800.8	1738.7	1578.6	1434.8	1320.4	1238.7	1196.2	1121.0	1085.1	1098.1	1091.6
27.5°	1921.8	1807.4	1601.5	1398.8	1261.6	1134.1	1036.0	990.3	944.5	944.5	951.1
30°	2032.9	1895.6	1601.5	1366.1	1163.5	1009.9	882.4	810.5	790.9	777.9	771.3
32.5°	2199.6	2006.7	1670.1	1320.4	1072.0	849.8	705.9	621.0	624.2	637.3	634.0
35°	2392.4	2183.2	1689.7	1255.0	938.0	689.6	545.8	500.0	526.2	532.7	532.7
37.5°	2624.4	2398.9	1777.9	1202.7	797.5	509.9	431.4	411.8	434.7	431.4	444.5
40°	2751.9	2503.5	1853.1	1137.4	611.2	375.9	333.4	320.3	356.2	385.7	392.2
42.5°	2931.7	2627.7	1925.0	1013.2	415.1	274.5	254.9	297.4	349.7	382.4	385.7
45°	3029.7	2699.6	1895.6	859.6	264.7	222.2	248.4	300.7	356.2	388.9	392.2
47.5°	3147.4	2794.4	1843.3	670.0	212.4	219.0	251.7	307.2	366.0	395.5	395.5
50°	3265.0	2889.2	1715.8	526.2	199.4	215.7	258.2	310.5	362.8	382.4	382.4
52.5°	3333.7	2970.9	1565.5	382.4	196.1	215.7	261.5	313.8	359.5	369.3	369.3
55°	3395.7	2977.4	1434.8	284.3	192.8	219.0	264.7	320.3	362.8	372.6	369.3
57.5°	3431.7	2934.9	1343.3	245.1	189.6	219.0	268.0	326.8	388.9	411.8	405.3
60°	3412.1	2869.6	1274.6	228.8	186.3	219.0	271.3	346.4	493.5	532.7	519.7
62.5°	3379.4	2823.8	1130.8	209.2	179.8	219.0	274.5	392.2	549.1	568.7	552.3
65°	3336.9	2689.8	967.4	189.6	173.2	215.7	277.8	424.9	522.9	522.9	519.7
67.5°	3160.4	2510.0	722.3	170.0	163.4	215.7	284.3	418.3	503.3	545.8	545.8
70°	2925.1	2209.4	477.2	150.3	153.6	209.2	297.4	424.9	519.7	578.5	571.9
72.5°	2477.4	1833.5	264.7	130.7	140.5	205.9	297.4	451.0	562.1	627.5	617.7
75°	2023.1	1356.3	189.6	117.7	127.5	199.4	300.7	467.4	601.4	670.0	653.7
77.5°	1425.0	777.9	150.3	101.3	114.4	189.6	297.4	460.8	621.0	683.1	663.5
80°	601.4	281.1	124.2	91.5	98.0	170.0	274.5	441.2	621.0	722.3	712.5
82.5°	271.3	199.4	107.9	81.7	91.5	140.5	254.9	424.9	601.4	725.6	784.4
85°	212.4	163.4	91.5	71.9	81.7	134.0	228.8	405.3	575.2	670.0	735.4
87.5°	202.6	163.4	81.7	65.4	75.2	114.4	176.5	375.9	516.4	617.7	670.0
90°	219.0	170.0	65.4	55.6	68.6	101.3	143.8	317.0	447.8	542.5	542.5
92.5°	202.6	156.9	49.0	42.5	71.9	81.7	137.3	196.1	323.6	271.3	336.6
95°	170.0	130.7	32.7	29.4	68.6	68.6	75.2	91.5	225.5	6.5	0.0
97.5°	124.2	94.8	19.6	16.3	52.3	55.6	36.0	42.5	91.5	0.0	0.0
100°	91.5	62.1	13.1	13.1	32.7	45.8	22.9	22.9	0.0	0.0	0.0
102.5°	49.0	32.7	9.8	6.5	16.3	26.1	9.8	6.5	0.0	0.0	0.0
105°	26.1	13.1	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691895
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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)