

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: P691879

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691879
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-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9575.9 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

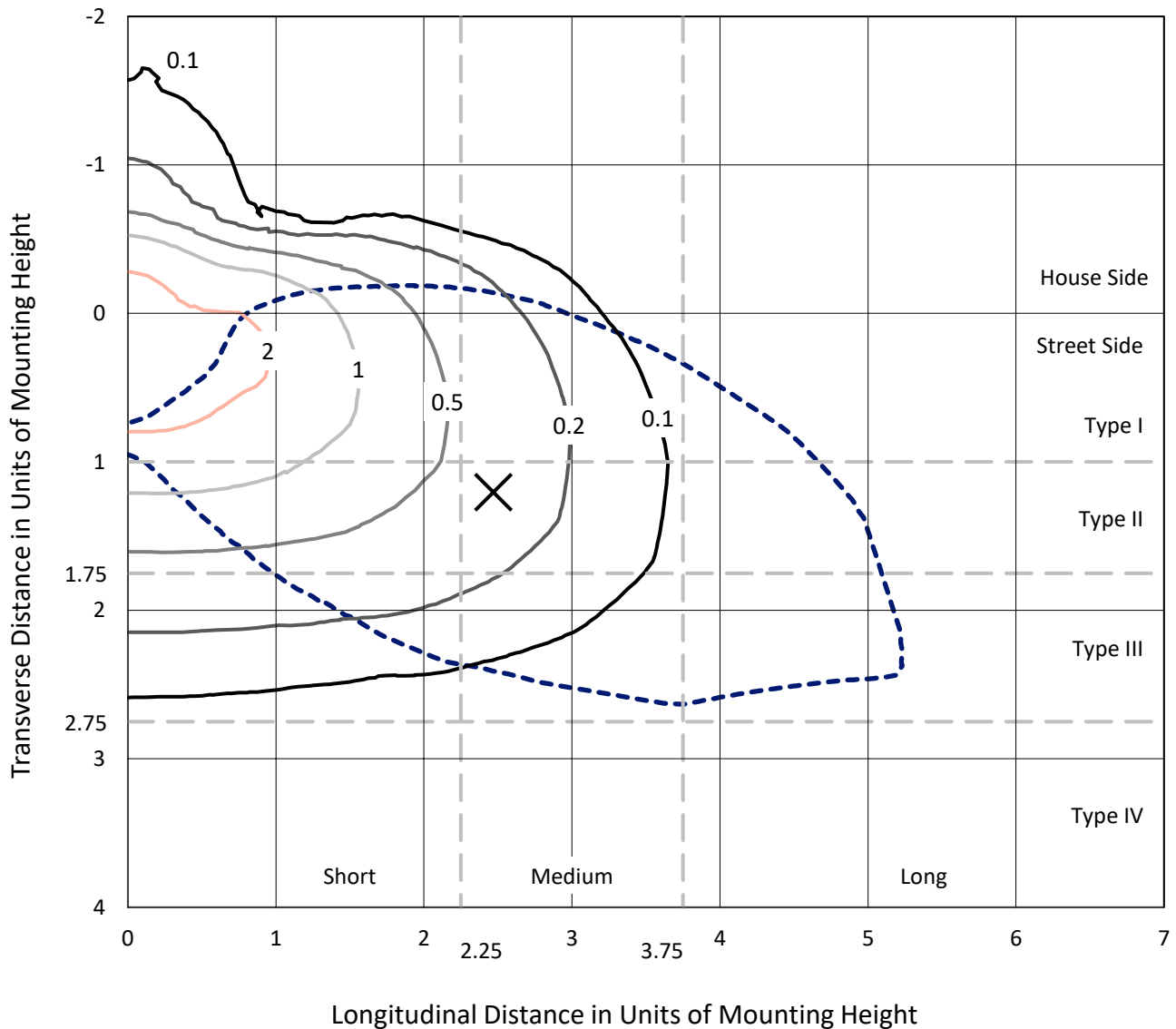
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691879
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

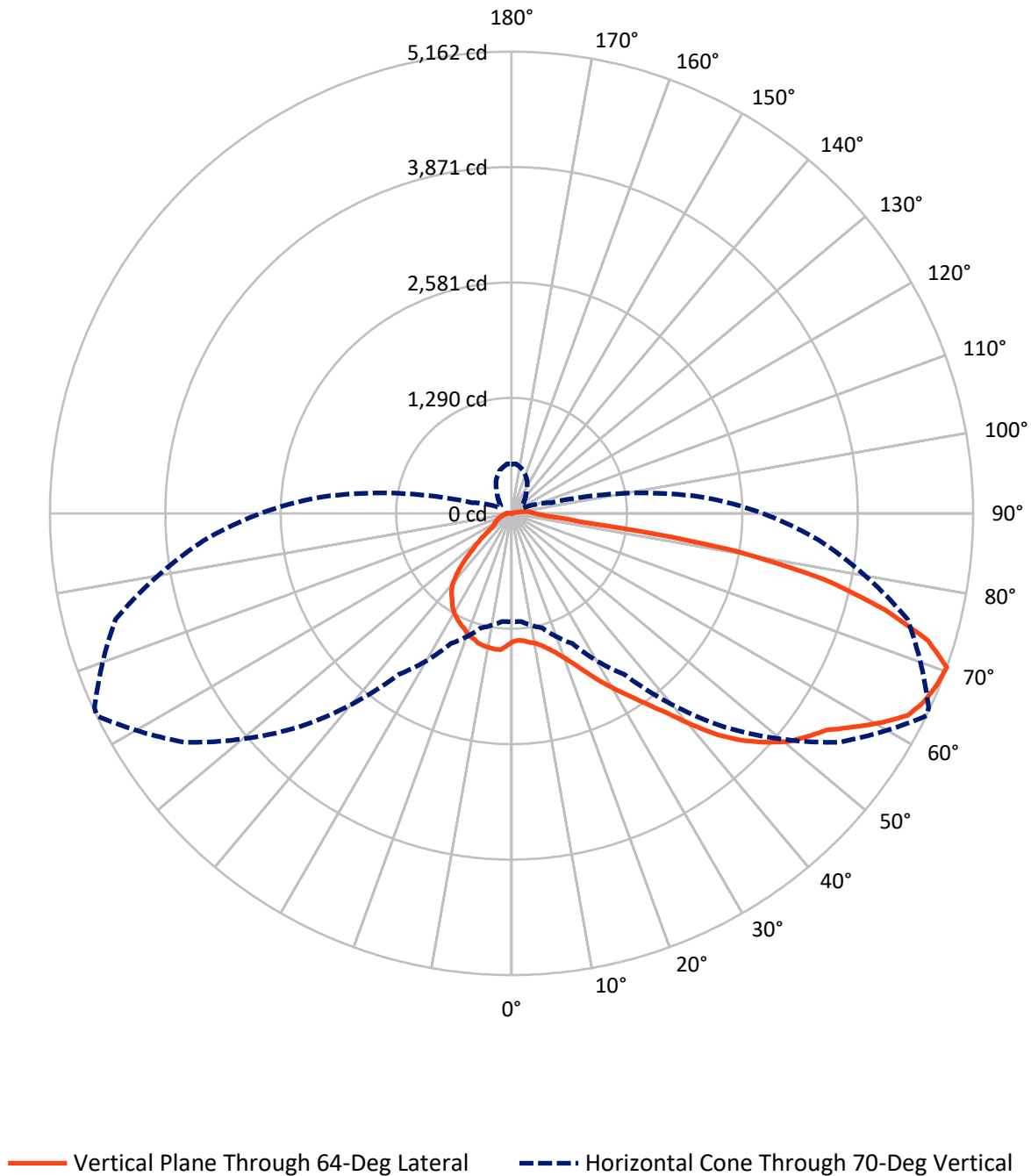
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Medium - N/A

REPORT NUMBER: P691879
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P691879

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

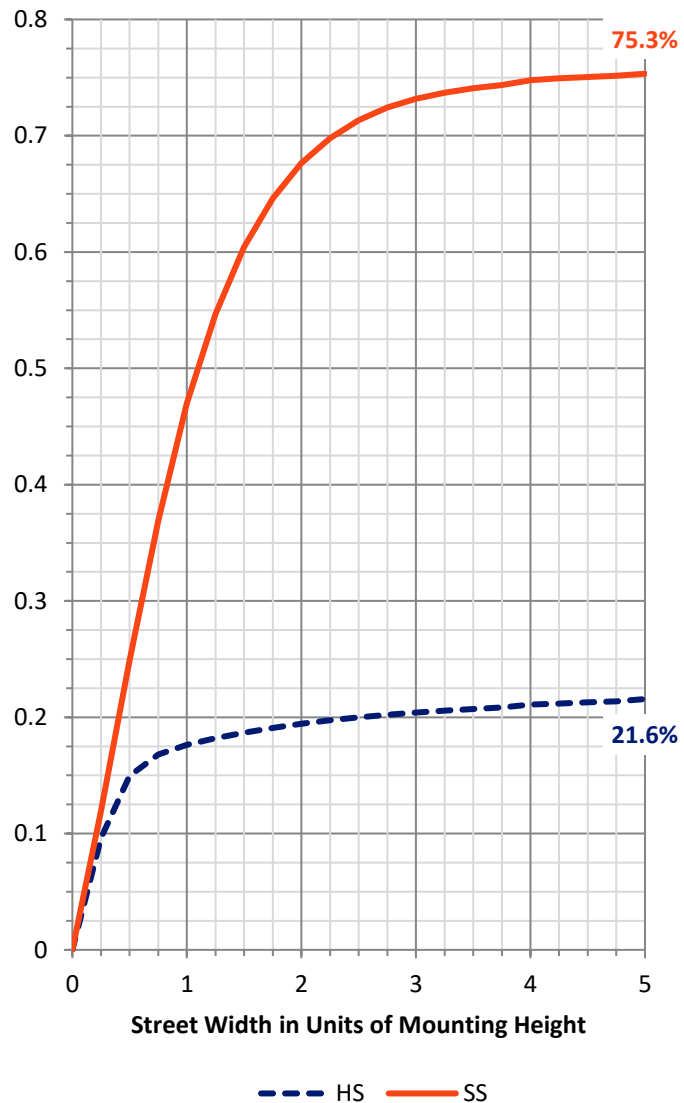
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2183.0	59.1	2242.1
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7257.4	76.4	7333.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	9440.5	135.5	9575.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	1.5
10°-20°	445.8	4.7
20°-30°	773.5	8.1
30°-40°	1122.4	11.7
40°-50°	1506.3	15.7
50°-60°	1821.2	19.0
60°-70°	1960.4	20.5
70°-80°	1346.4	14.1
80°-90°	321.3	3.4
90°-100°	116.3	1.2
100°-110°	14.6	0.2
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9440.5	98.6
0°-180°	9575.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691879

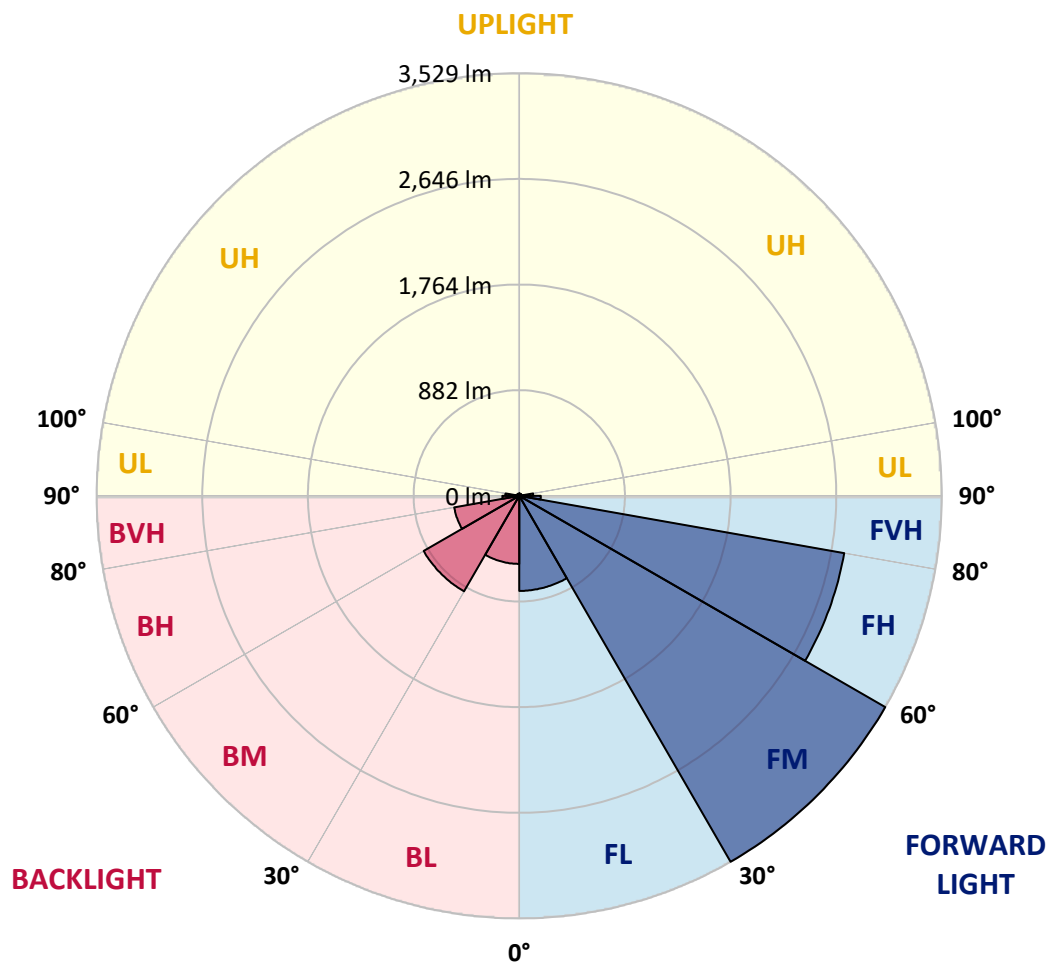
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	794.0	8.3			
FM	(30°-60°)	3528.5	36.8			
FH	(60°-80°)	2755.2	28.8			G2/5000
FVH	(80°-90°)	179.7	1.9			G2/225
BL	(0°-30°)	568.5	5.9	B2/1000		
BM	(30°-60°)	921.3	9.6	B1/1000		
BH	(60°-80°)	551.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	141.5	1.5			G2/225
UL	(90°-100°)	116.3	1.2		U3/500	
UH	(100°-180°)	19.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium





REPORT NUMBER: P691879

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1
2.5°	1424.6	1424.6	1421.5	1421.5	1424.6	1427.7	1424.6	1421.5	1424.6	1427.7	1437.1
5°	1481.1	1477.9	1474.8	1462.2	1449.7	1440.3	1434.0	1430.9	1434.0	1446.6	1468.5
7.5°	1518.7	1515.6	1515.6	1512.5	1499.9	1474.8	1459.1	1456.0	1456.0	1459.1	1487.3
10°	1597.2	1590.9	1578.3	1556.4	1543.8	1512.5	1484.2	1477.9	1477.9	1484.2	1518.7
12.5°	1681.9	1669.3	1672.5	1647.4	1609.7	1575.2	1534.4	1518.7	1512.5	1518.7	1537.6
15°	1798.0	1788.6	1763.5	1735.2	1697.6	1650.5	1600.3	1575.2	1572.1	1581.5	1565.8
17.5°	1882.7	1870.2	1873.3	1832.5	1801.1	1738.4	1691.3	1644.2	1644.2	1656.8	1616.0
20°	1970.6	1964.3	1973.7	1964.3	1917.2	1860.8	1791.7	1735.2	1725.8	1732.1	1672.5
22.5°	2083.5	2074.1	2074.1	2077.3	2039.6	1983.1	1901.5	1845.1	1841.9	1816.8	1735.2
25°	2199.6	2190.2	2187.1	2193.4	2187.1	2121.2	2036.5	1980.0	1970.6	1936.1	1820.0
27.5°	2309.5	2309.5	2312.6	2318.9	2328.3	2275.0	2193.4	2130.6	2130.6	2093.0	1932.9
30°	2391.1	2391.1	2419.3	2431.8	2441.3	2428.7	2340.8	2281.2	2287.5	2237.3	2061.6
32.5°	2466.4	2469.5	2500.9	2532.3	2541.7	2551.1	2475.8	2438.1	2438.1	2391.1	2199.6
35°	2541.7	2541.7	2585.6	2648.4	2679.7	2670.3	2635.8	2623.3	2626.4	2617.0	2403.6
37.5°	2601.3	2607.6	2673.5	2751.9	2795.8	2811.5	2792.7	2833.5	2871.1	2899.4	2670.3
40°	2660.9	2660.9	2723.7	2808.4	2886.8	2930.8	2955.9	3109.6	3137.9	3147.3	2820.9
42.5°	2598.2	2613.8	2745.6	2871.1	2971.6	3046.9	3159.8	3388.9	3423.4	3316.7	3024.9
45°	2538.5	2557.4	2689.2	2899.4	3043.7	3194.3	3388.9	3621.1	3649.3	3489.3	3147.3
47.5°	2478.9	2500.9	2645.2	2874.3	3109.6	3357.5	3567.8	3825.1	3837.6	3630.5	3285.3
50°	2416.2	2438.1	2591.9	2846.0	3150.4	3523.8	3746.6	4010.2	4010.2	3756.0	3366.9
52.5°	2337.7	2362.8	2519.7	2802.1	3181.8	3636.8	3909.8	4145.1	4120.0	3906.6	3457.9
55°	2237.3	2271.8	2438.1	2739.4	3194.3	3696.4	4013.3	4276.9	4270.6	4091.8	3574.0
57.5°	2130.6	2158.9	2337.7	2657.8	3181.8	3737.2	4123.2	4506.0	4515.4	4251.8	3665.0
60°	2011.4	2030.2	2202.8	2544.8	3100.2	3809.4	4371.1	4750.7	4763.3	4399.3	3699.5
62.5°	1854.5	1867.0	2030.2	2391.1	2990.4	3856.4	4549.9	4973.5	4967.2	4531.1	3705.8
65°	1656.8	1672.5	1826.2	2187.1	2827.2	3825.1	4593.8	5070.8	5077.1	4593.8	3696.4
67.5°	1465.4	1474.8	1603.5	1917.2	2563.6	3674.4	4549.9	5127.3	5155.5	4647.2	3605.4
70°	1211.2	1214.4	1327.3	1606.6	2199.6	3385.8	4462.0	5161.8	5146.1	4584.4	3448.5
72.5°	931.9	935.1	1019.8	1230.0	1710.1	2883.7	4151.4	4870.0	4841.7	4239.3	3109.6
75°	662.1	674.6	724.8	862.9	1145.3	2105.5	3552.1	4311.4	4330.3	3771.7	2591.9
77.5°	376.5	389.1	429.9	539.7	659.0	1179.8	2682.9	3596.0	3608.5	3172.4	1989.4
80°	163.2	166.3	182.0	257.3	351.4	564.8	1374.4	2519.7	2701.7	2155.7	1135.9
82.5°	138.1	138.1	144.3	150.6	153.8	257.3	533.4	781.3	806.4	637.0	370.3
85°	119.2	119.2	125.5	131.8	134.9	175.7	323.2	392.2	407.9	364.0	260.4
87.5°	94.1	94.1	103.5	109.8	109.8	144.3	241.6	291.8	301.2	291.8	232.2
90°	84.7	84.7	81.6	81.6	84.7	103.5	188.3	244.8	254.2	310.6	266.7
92.5°	72.2	75.3	75.3	75.3	65.9	75.3	134.9	216.5	235.3	307.5	241.6
95°	72.2	69.0	69.0	65.9	62.8	65.9	100.4	188.3	210.2	266.7	204.0
97.5°	50.2	47.1	50.2	53.3	56.5	59.6	84.7	138.1	153.8	207.1	150.6
100°	31.4	31.4	31.4	31.4	37.7	40.8	69.0	84.7	94.1	131.8	100.4
102.5°	18.8	15.7	15.7	15.7	18.8	25.1	34.5	47.1	50.2	75.3	59.6
105°	6.3	6.3	6.3	6.3	9.4	12.6	12.6	18.8	18.8	25.1	25.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1



REPORT NUMBER: P691879
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

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	3.1	3.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	3.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
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: P691879

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1	1437.1
2.5°	1443.4	1449.7	1462.2	1477.9	1496.8	1512.5	1525.0	1528.1	1534.4	1534.4	1540.7
5°	1474.8	1487.3	1506.2	1528.1	1537.6	1531.3	1531.3	1534.4	1540.7	1556.4	1562.7
7.5°	1509.3	1518.7	1518.7	1528.1	1547.0	1540.7	1537.6	1534.4	1534.4	1528.1	1537.6
10°	1521.9	1509.3	1525.0	1521.9	1515.6	1528.1	1531.3	1512.5	1515.6	1515.6	1518.7
12.5°	1525.0	1525.0	1512.5	1512.5	1512.5	1484.2	1477.9	1493.6	1477.9	1484.2	1481.1
15°	1559.5	1534.4	1518.7	1499.9	1474.8	1465.4	1443.4	1418.3	1418.3	1424.6	1424.6
17.5°	1584.6	1559.5	1512.5	1462.2	1452.8	1408.9	1393.2	1386.9	1383.8	1386.9	1393.2
20°	1622.3	1584.6	1506.2	1456.0	1374.4	1358.7	1330.5	1327.3	1321.0	1299.1	1292.8
22.5°	1672.5	1612.9	1503.0	1402.6	1336.7	1283.4	1233.2	1201.8	1198.7	1183.0	1173.6
25°	1729.0	1669.3	1515.6	1377.5	1267.7	1189.3	1148.5	1076.3	1041.8	1054.3	1048.0
27.5°	1845.1	1735.2	1537.6	1343.0	1211.2	1088.8	994.7	950.8	906.8	906.8	913.1
30°	1951.8	1820.0	1537.6	1311.6	1117.1	969.6	847.2	778.2	759.4	746.8	740.5
32.5°	2111.8	1926.7	1603.5	1267.7	1029.2	815.8	677.8	596.2	599.3	611.9	608.7
35°	2296.9	2096.1	1622.3	1204.9	900.6	662.1	524.0	480.1	505.2	511.5	511.5
37.5°	2519.7	2303.2	1707.0	1154.7	765.6	489.5	414.2	395.4	417.3	414.2	426.8
40°	2642.1	2403.6	1779.2	1092.0	586.8	360.9	320.1	307.5	342.0	370.3	376.5
42.5°	2814.7	2522.8	1848.2	972.7	398.5	263.6	244.8	285.5	335.8	367.1	370.3
45°	2908.8	2591.9	1820.0	825.3	254.2	213.4	238.5	288.7	342.0	373.4	376.5
47.5°	3021.8	2682.9	1769.8	643.3	204.0	210.2	241.6	295.0	351.4	379.7	379.7
50°	3134.7	2773.9	1647.4	505.2	191.4	207.1	247.9	298.1	348.3	367.1	367.1
52.5°	3200.6	2852.3	1503.0	367.1	188.3	207.1	251.0	301.2	345.2	354.6	354.6
55°	3260.2	2858.6	1377.5	273.0	185.1	210.2	254.2	307.5	348.3	357.7	354.6
57.5°	3294.8	2817.8	1289.7	235.3	182.0	210.2	257.3	313.8	373.4	395.4	389.1
60°	3275.9	2755.0	1223.8	219.7	178.9	210.2	260.4	332.6	473.8	511.5	498.9
62.5°	3244.6	2711.1	1085.7	200.8	172.6	210.2	263.6	376.5	527.2	546.0	530.3
65°	3203.8	2582.5	928.8	182.0	166.3	207.1	266.7	407.9	502.1	502.1	498.9
67.5°	3034.3	2409.9	693.5	163.2	156.9	207.1	273.0	401.6	483.2	524.0	524.0
70°	2808.4	2121.2	458.1	144.3	147.5	200.8	285.5	407.9	498.9	555.4	549.1
72.5°	2378.5	1760.3	254.2	125.5	134.9	197.7	285.5	433.0	539.7	602.5	593.1
75°	1942.3	1302.2	182.0	113.0	122.4	191.4	288.7	448.7	577.4	643.3	627.6
77.5°	1368.1	746.8	144.3	97.3	109.8	182.0	285.5	442.4	596.2	655.8	637.0
80°	577.4	269.9	119.2	87.9	94.1	163.2	263.6	423.6	596.2	693.5	684.1
82.5°	260.4	191.4	103.5	78.4	87.9	134.9	244.8	407.9	577.4	696.6	753.1
85°	204.0	156.9	87.9	69.0	78.4	128.7	219.7	389.1	552.3	643.3	706.0
87.5°	194.5	156.9	78.4	62.8	72.2	109.8	169.4	360.9	495.8	593.1	643.3
90°	210.2	163.2	62.8	53.3	65.9	97.3	138.1	304.4	429.9	520.9	520.9
92.5°	194.5	150.6	47.1	40.8	69.0	78.4	131.8	188.3	310.6	260.4	323.2
95°	163.2	125.5	31.4	28.2	65.9	65.9	72.2	87.9	216.5	6.3	0.0
97.5°	119.2	91.0	18.8	15.7	50.2	53.3	34.5	40.8	87.9	0.0	0.0
100°	87.9	59.6	12.6	12.6	31.4	43.9	22.0	22.0	0.0	0.0	0.0
102.5°	47.1	31.4	9.4	6.3	15.7	25.1	9.4	6.3	0.0	0.0	0.0
105°	25.1	12.6	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
107.5°	6.3	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691879

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
122.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
130°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
135°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.1	3.1	3.1	3.1	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)