

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: P691763

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10067.9 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

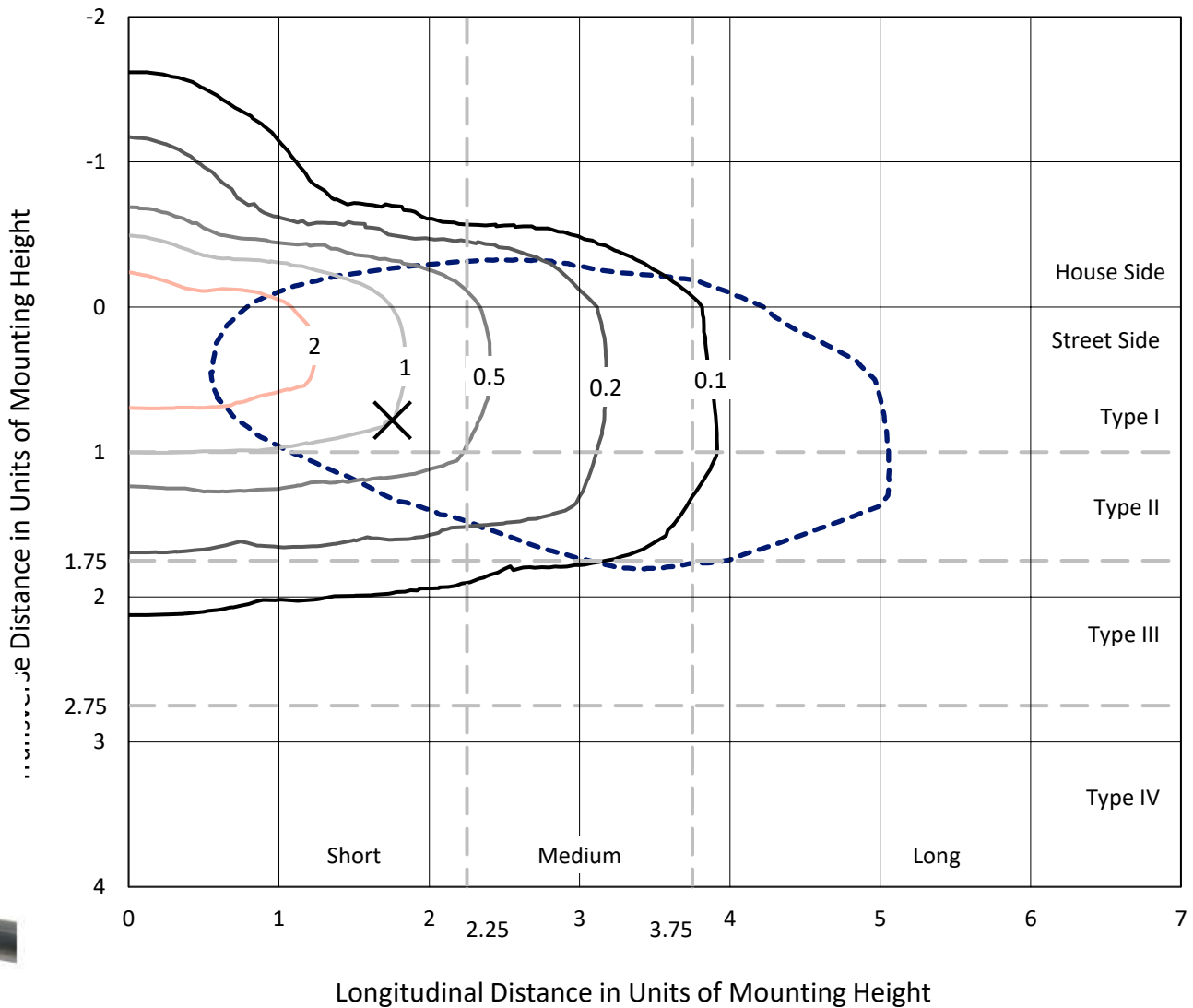
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691763
 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

Iso-Footcandle Lines of Horizontal Illumination

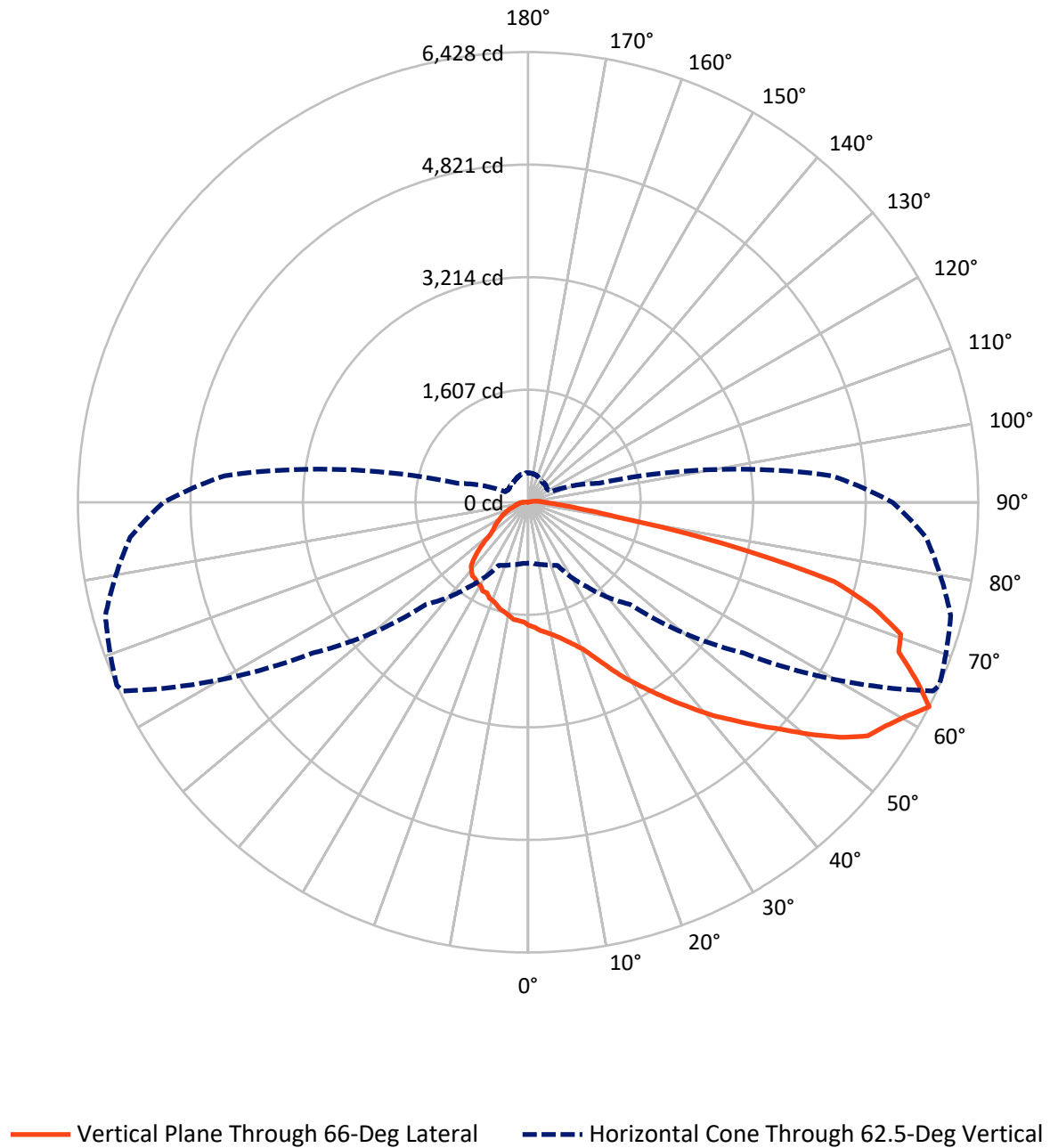
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

REPORT NUMBER: P691763
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691763

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

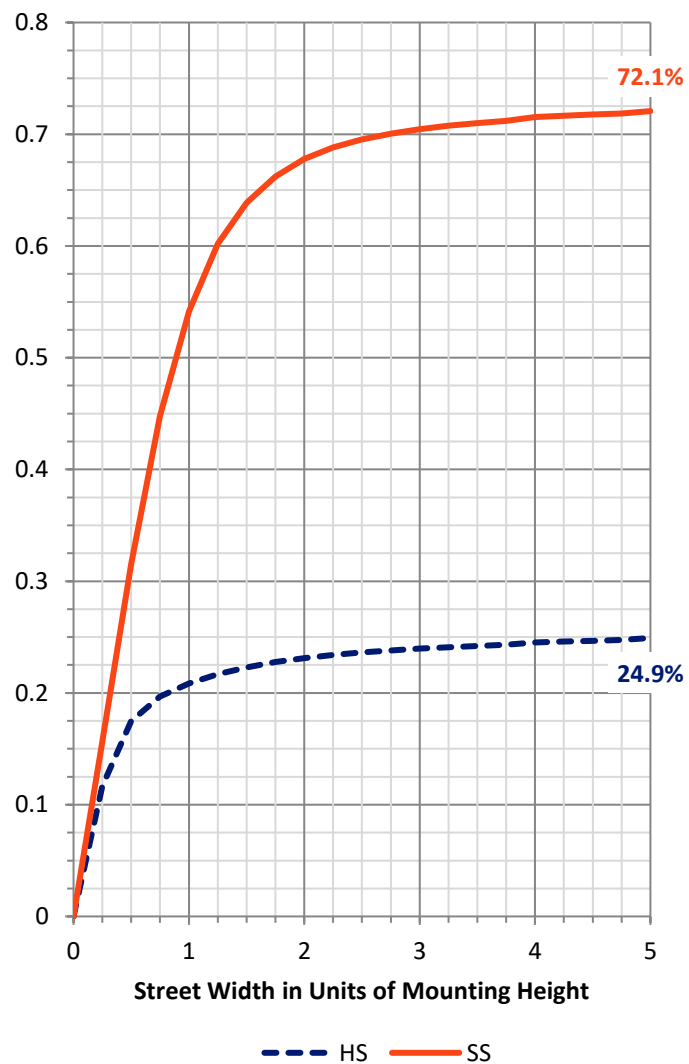
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2620.6	72.4	2693.0
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	7303.3	71.7	7375.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	9923.9	144.0	10067.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	1.7
10°-20°	506.2	5.0
20°-30°	856.6	8.5
30°-40°	1253.2	12.4
40°-50°	1638.1	16.3
50°-60°	1906.1	18.9
60°-70°	1907.0	18.9
70°-80°	1315.8	13.1
80°-90°	371.9	3.7
90°-100°	122.6	1.2
100°-110°	16.8	0.2
110°-120°	1.0	0.0
120°-130°	0.9	0.0
130°-140°	1.0	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°	9923.9	98.6
0°-180°	10067.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691763

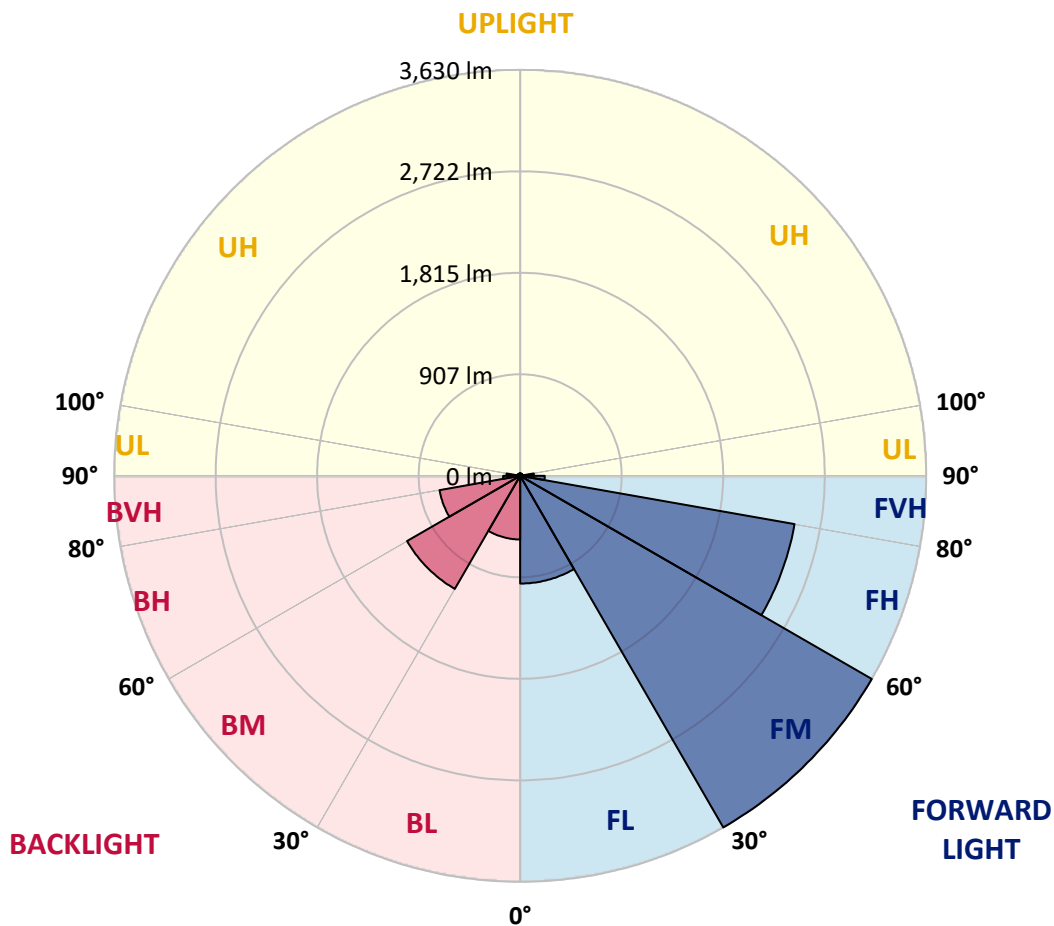
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	963.1	9.6			
FM	(30°-60°)	3629.8	36.1			
FH	(60°-80°)	2490.8	24.7			G2/5000
FVH	(80°-90°)	219.6	2.2			G2/225
BL	(0°-30°)	568.8	5.6	B2/1000		
BM	(30°-60°)	1167.6	11.6	B2/2500		
BH	(60°-80°)	732.0	7.3	B2/1000		G2/1000
BVH	(80°-90°)	152.3	1.5			G2/225
UL	(90°-100°)	122.6	1.2		U3/500	
UH	(100°-180°)	21.4	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



REPORT NUMBER: P691763

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1
2.5°	1849.4	1846.0	1846.0	1829.3	1812.6	1809.2	1799.2	1785.8	1785.8	1775.8	1759.1
5°	1959.7	1956.4	1959.7	1936.3	1912.9	1892.8	1859.4	1842.7	1839.3	1815.9	1782.5
7.5°	2036.6	2033.3	2029.9	2009.9	1999.8	1979.8	1933.0	1882.8	1876.1	1852.7	1809.2
10°	2066.7	2070.1	2086.8	2053.4	2033.3	2016.6	1989.8	1929.6	1922.9	1869.4	1802.5
12.5°	2147.0	2150.3	2140.3	2100.2	2093.5	2080.1	2036.6	1986.5	1979.8	1912.9	1819.3
15°	2230.6	2230.6	2217.2	2193.8	2177.1	2163.7	2110.2	2056.7	2053.4	1973.1	1862.7
17.5°	2267.4	2274.1	2277.4	2247.3	2240.6	2237.3	2210.5	2143.6	2137.0	2060.0	1922.9
20°	2290.8	2294.1	2297.5	2294.1	2297.5	2294.1	2307.5	2254.0	2237.3	2157.0	1989.8
22.5°	2337.6	2344.3	2367.7	2367.7	2377.7	2401.2	2391.1	2397.8	2391.1	2294.1	2103.5
25°	2361.0	2371.1	2401.2	2437.9	2481.4	2508.2	2545.0	2571.7	2575.0	2488.1	2277.4
27.5°	2324.2	2347.6	2424.6	2481.4	2581.7	2652.0	2738.9	2782.4	2789.1	2705.5	2464.7
30°	2371.1	2371.1	2417.9	2498.1	2621.9	2785.7	2919.5	2986.4	2993.1	2929.5	2652.0
32.5°	2284.1	2304.2	2411.2	2565.0	2742.3	2929.5	3060.0	3190.4	3207.1	3187.0	2919.5
35°	2274.1	2284.1	2351.0	2511.5	2748.9	3063.3	3243.9	3414.4	3447.9	3454.6	3177.0
37.5°	2180.4	2193.8	2317.5	2518.2	2842.6	3156.9	3387.7	3668.6	3698.7	3745.5	3401.1
40°	2063.4	2083.4	2183.8	2407.8	2815.8	3267.3	3541.5	3936.1	3979.6	4036.5	3695.4
42.5°	1909.5	1946.3	2116.9	2357.7	2802.5	3304.1	3688.7	4203.7	4243.8	4304.0	3942.8
45°	1779.1	1789.2	1926.3	2177.1	2695.4	3354.3	3825.8	4504.7	4531.4	4561.5	4143.5
47.5°	1662.1	1682.1	1799.2	2033.3	2581.7	3344.2	3946.2	4788.9	4835.7	4926.0	4387.6
50°	1314.3	1361.1	1692.2	1909.5	2407.8	3314.1	4046.5	5123.3	5200.3	5233.7	4665.2
52.5°	1137.0	1150.4	1317.6	1789.2	2213.9	3213.8	4133.5	5487.9	5574.8	5497.9	4999.6
55°	1050.1	1063.5	1140.4	1545.0	2063.4	3009.8	4200.3	5832.3	5885.8	5705.2	5247.1
57.5°	1003.3	1013.3	1053.4	1250.7	1879.5	2685.4	4207.0	6002.9	6022.9	5869.1	5374.2
60°	923.0	933.0	1003.3	1090.2	1675.5	2341.0	4090.0	6099.9	6203.5	6069.8	5618.3
62.5°	869.5	876.2	923.0	993.2	1478.1	2060.0	3748.9	6377.4	6427.6	6247.0	5701.9
65°	802.6	809.3	852.8	916.3	1351.1	1902.9	3601.7	6263.7	6079.8	6203.5	5812.3
67.5°	725.7	735.7	775.9	829.4	1140.4	1749.0	3177.0	5839.0	5708.6	5982.8	5524.7
70°	655.5	662.2	705.6	735.7	936.4	1548.4	2638.6	5507.9	5645.0	5641.7	5263.8
72.5°	578.6	585.2	622.0	648.8	782.5	1310.9	2093.5	5126.7	5166.8	5023.0	4658.5
75°	498.3	501.6	535.1	561.8	642.1	1050.1	1528.3	4240.5	4518.0	4802.3	4029.8
77.5°	401.3	411.3	438.1	451.5	515.0	839.4	996.6	2511.5	2869.3	4223.8	3601.7
80°	301.0	301.0	321.0	327.7	381.2	625.4	628.7	1210.6	1300.9	2685.4	2675.4
82.5°	190.6	200.7	220.7	217.4	257.5	357.8	398.0	672.2	722.4	1063.5	1187.2
85°	153.8	157.2	170.6	160.5	170.6	194.0	224.1	424.7	441.4	648.8	645.4
87.5°	127.1	130.4	140.5	133.8	137.1	147.1	173.9	284.3	290.9	418.0	431.4
90°	97.0	100.3	113.7	110.4	107.0	120.4	143.8	217.4	227.4	331.1	354.5
92.5°	63.5	63.5	73.6	73.6	73.6	86.9	127.1	167.2	173.9	301.0	317.7
95°	46.8	46.8	50.2	53.5	50.2	63.5	93.6	150.5	163.9	280.9	274.2
97.5°	30.1	30.1	33.4	36.8	33.4	40.1	53.5	107.0	120.4	217.4	214.0
100°	20.1	20.1	20.1	20.1	20.1	20.1	30.1	70.2	80.3	137.1	133.8
102.5°	13.4	13.4	13.4	13.4	10.0	10.0	13.4	33.4	36.8	73.6	70.2
105°	3.3	3.3	6.7	6.7	6.7	3.3	3.3	13.4	16.7	30.1	30.1
107.5°	0.0	0.0	0.0	3.3	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	0.0	0.0

REPORT NUMBER: P691763

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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	3.3
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	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	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	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

REPORT NUMBER: P691763

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1	1759.1
2.5°	1752.4	1742.3	1725.6	1708.9	1698.9	1688.8	1672.1	1658.7	1658.7	1675.5	1675.5
5°	1759.1	1739.0	1705.6	1692.2	1675.5	1652.0	1625.3	1605.2	1595.2	1608.6	1611.9
7.5°	1775.8	1745.7	1712.2	1682.1	1625.3	1581.8	1558.4	1531.7	1528.3	1541.7	1548.4
10°	1762.4	1732.3	1692.2	1635.3	1575.1	1541.7	1498.2	1464.8	1464.8	1454.7	1461.4
12.5°	1775.8	1735.7	1655.4	1595.2	1541.7	1468.1	1414.6	1381.2	1377.8	1387.9	1387.9
15°	1809.2	1749.0	1645.4	1571.8	1484.8	1411.3	1357.8	1321.0	1331.0	1310.9	1314.3
17.5°	1849.4	1759.1	1645.4	1518.3	1421.3	1351.1	1277.5	1234.0	1237.4	1240.7	1244.0
20°	1899.5	1785.8	1628.6	1478.1	1361.1	1260.8	1177.2	1143.7	1133.7	1140.4	1143.7
22.5°	1976.4	1846.0	1621.9	1458.1	1277.5	1180.5	1106.9	1040.1	1033.4	1033.4	1033.4
25°	2103.5	1936.3	1652.0	1391.2	1234.0	1086.9	1003.3	939.7	909.6	913.0	916.3
27.5°	2297.5	2080.1	1682.1	1394.5	1133.7	1003.3	899.6	829.4	812.6	816.0	819.3
30°	2501.5	2274.1	1759.1	1327.7	1076.8	876.2	769.2	719.0	698.9	688.9	692.3
32.5°	2658.7	2444.6	1866.1	1307.6	973.2	739.1	672.2	632.1	605.3	595.3	595.3
35°	2909.5	2611.8	1953.0	1257.4	866.2	652.1	598.6	555.1	541.8	535.1	535.1
37.5°	3123.5	2795.8	2043.3	1237.4	735.7	585.2	518.4	491.6	491.6	484.9	481.6
40°	3354.3	2989.7	2093.5	1177.2	635.4	515.0	448.1	444.8	454.8	454.8	454.8
42.5°	3631.8	3190.4	2147.0	1106.9	558.5	434.7	398.0	424.7	448.1	454.8	454.8
45°	3839.2	3317.5	2170.4	956.4	481.6	377.9	391.3	418.0	448.1	458.2	454.8
47.5°	4016.4	3501.4	2137.0	772.5	414.7	367.9	384.6	408.0	444.8	458.2	458.2
50°	4193.7	3658.6	2113.5	558.5	387.9	367.9	384.6	394.6	434.7	451.5	451.5
52.5°	4454.5	3782.3	2019.9	468.2	367.9	371.2	391.3	391.3	428.1	448.1	458.2
55°	4788.9	4066.6	1842.7	438.1	361.2	367.9	394.6	394.6	421.4	441.4	448.1
57.5°	4926.0	4166.9	1538.3	411.3	354.5	367.9	384.6	391.3	424.7	438.1	434.7
60°	5106.6	4330.8	1260.8	384.6	341.1	361.2	371.2	394.6	421.4	424.7	421.4
62.5°	5203.6	4350.8	1043.4	357.8	331.1	351.1	354.5	381.2	408.0	418.0	421.4
65°	5257.1	4330.8	772.5	331.1	321.0	337.8	341.1	364.5	391.3	398.0	401.3
67.5°	5063.1	4193.7	535.1	304.3	311.0	321.0	327.7	351.1	371.2	391.3	398.0
70°	4715.4	3795.7	381.2	270.9	294.3	304.3	317.7	341.1	361.2	387.9	394.6
72.5°	4330.8	3056.6	280.9	230.8	270.9	284.3	307.7	324.4	354.5	387.9	398.0
75°	3969.6	2682.1	224.1	197.3	230.8	260.8	290.9	314.4	357.8	474.9	491.6
77.5°	2815.8	1812.6	200.7	173.9	197.3	227.4	267.5	307.7	498.3	565.2	568.5
80°	2043.3	1066.8	180.6	153.8	170.6	183.9	244.1	377.9	551.8	521.7	521.7
82.5°	1023.3	571.9	170.6	137.1	147.1	150.5	217.4	481.6	444.8	464.8	468.2
85°	494.9	277.6	140.5	120.4	127.1	123.7	204.0	458.2	421.4	424.7	418.0
87.5°	311.0	170.6	110.4	100.3	103.7	100.3	194.0	438.1	441.4	361.2	367.9
90°	280.9	200.7	86.9	80.3	70.2	83.6	173.9	408.0	431.4	260.8	217.4
92.5°	270.9	217.4	63.5	56.9	50.2	66.9	130.4	331.1	264.2	110.4	66.9
95°	240.8	190.6	53.5	40.1	46.8	56.9	83.6	220.7	177.2	0.0	0.0
97.5°	180.6	140.5	43.5	26.8	150.5	50.2	46.8	143.8	50.2	0.0	0.0
100°	113.7	86.9	33.4	20.1	170.6	33.4	30.1	83.6	0.0	0.0	0.0
102.5°	63.5	46.8	16.7	13.4	73.6	16.7	20.1	20.1	0.0	0.0	0.0
105°	26.8	23.4	6.7	6.7	6.7	3.3	10.0	0.0	0.0	0.0	0.0
107.5°	6.7	10.0	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691763

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040

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	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	6.7	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	3.3	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.3	3.3	3.3	3.3	3.3	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)