

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: P691779

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691779
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-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8841.9 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

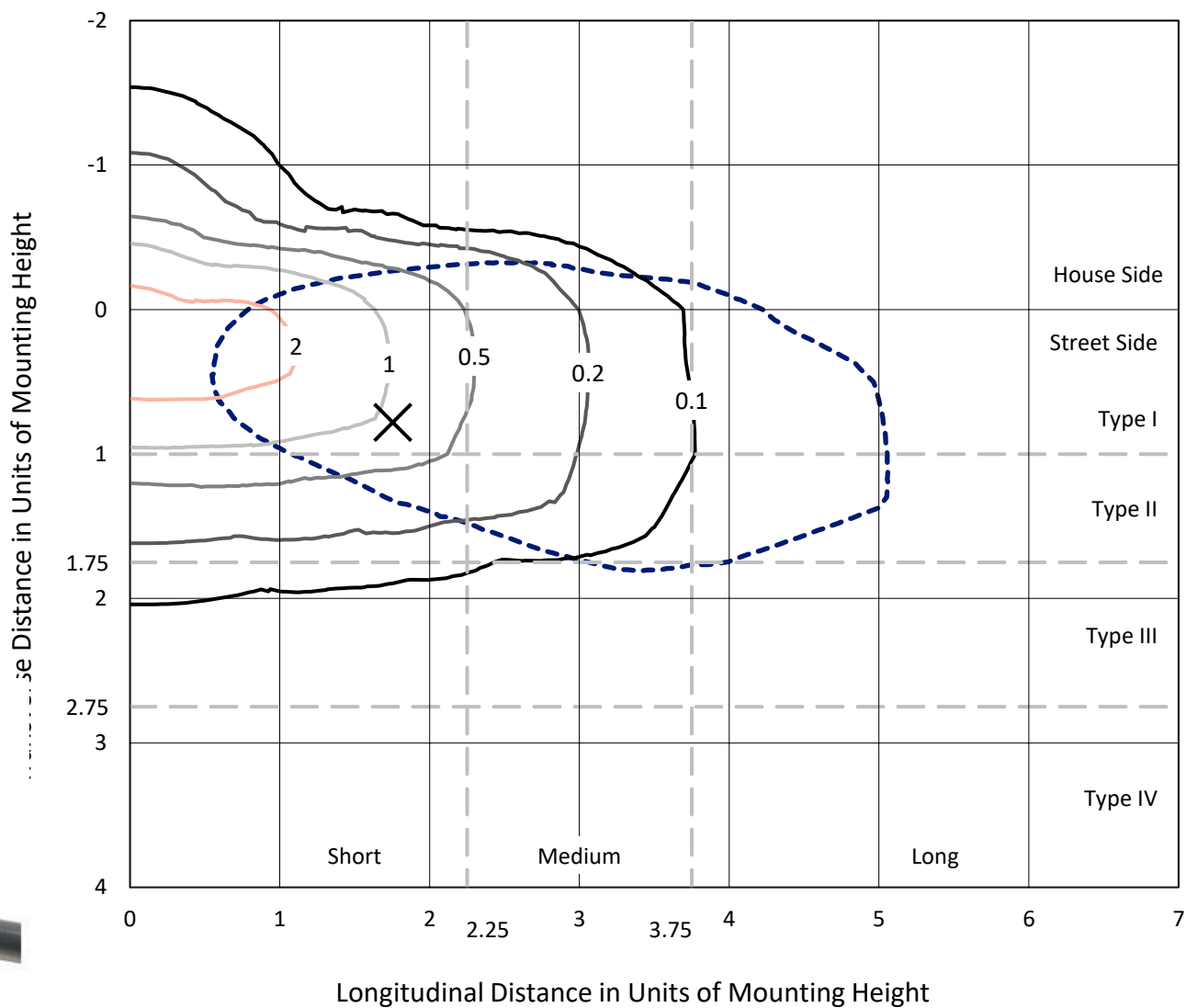
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

Iso-Footcandle Lines of Horizontal Illumination

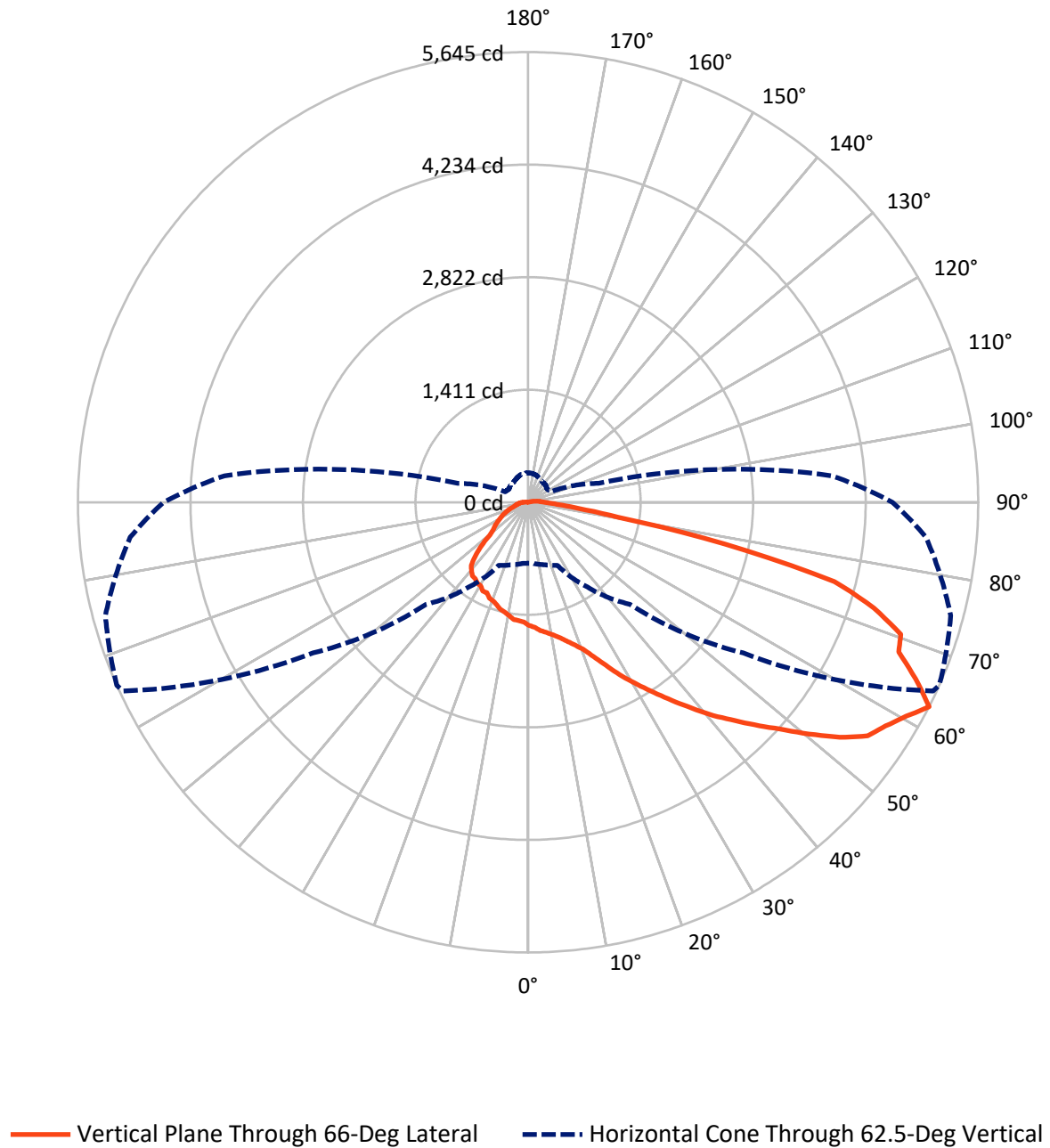
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - N/A

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

Luminous Intensity Polar Plot



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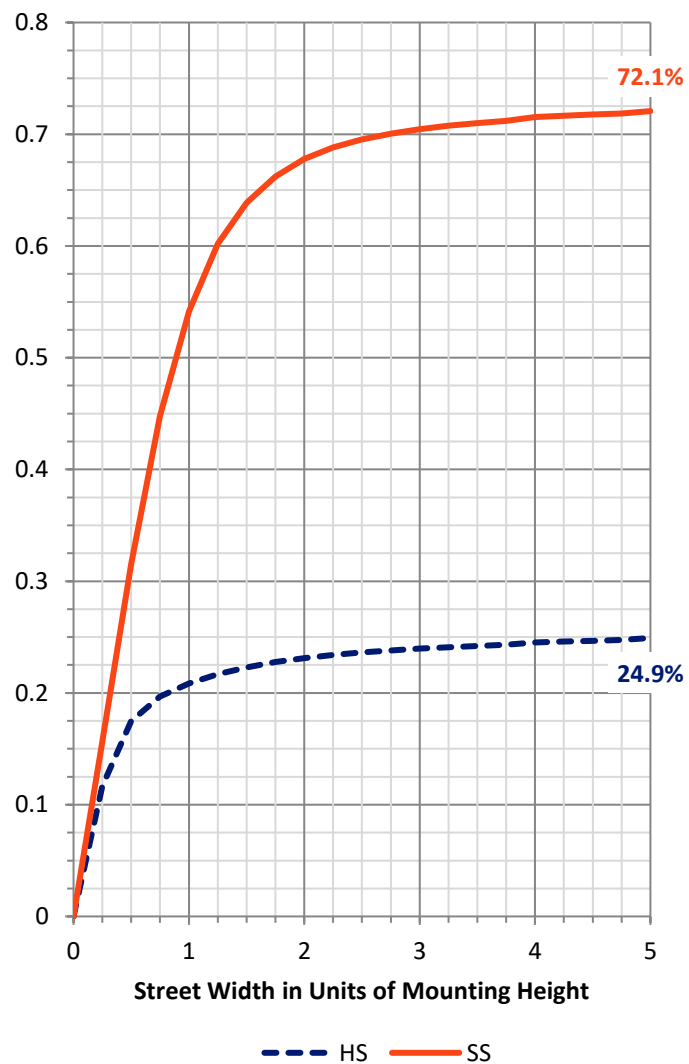
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2301.5	63.5	2365.0
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6414.0	62.9	6476.9
	% Fixture	72.5	0.7	73.3
Total	Lumens	8715.5	126.5	8841.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	1.7
10°-20°	444.6	5.0
20°-30°	752.3	8.5
30°-40°	1100.6	12.4
40°-50°	1438.6	16.3
50°-60°	1674.0	18.9
60°-70°	1674.7	18.9
70°-80°	1155.6	13.1
80°-90°	326.6	3.7
90°-100°	107.7	1.2
100°-110°	14.7	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8715.5	98.6
0°-180°	8841.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691779

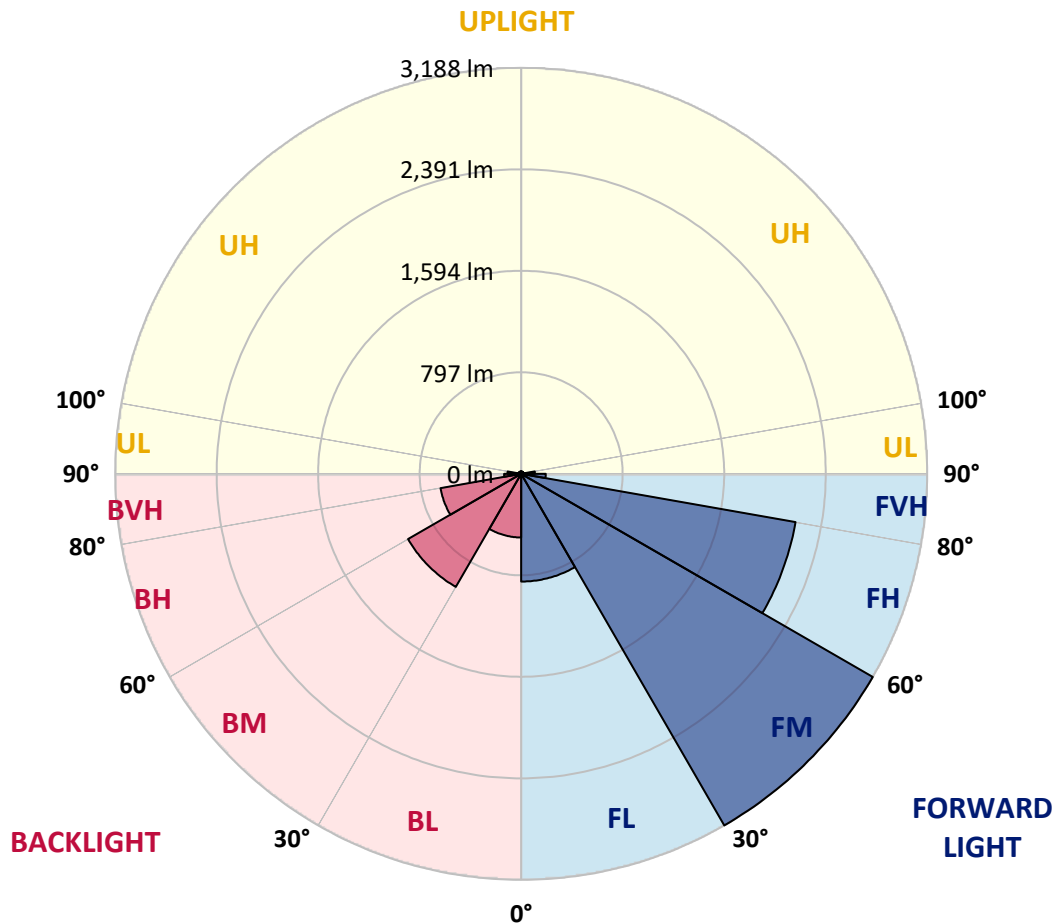
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.8	9.6			
FM	(30°-60°)	3187.8	36.1			
FH	(60°-80°)	2187.5	24.7			G2/5000
FVH	(80°-90°)	192.9	2.2			G2/225
BL	(0°-30°)	499.5	5.6	B1/500		
BM	(30°-60°)	1025.4	11.6	B2/2500		
BH	(60°-80°)	642.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	133.7	1.5			G2/225
UL	(90°-100°)	107.7	1.2		U3/500	
UH	(100°-180°)	18.8	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



REPORT NUMBER: P691779

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9
2.5°	1624.2	1621.2	1621.2	1606.5	1591.8	1588.9	1580.1	1568.4	1568.4	1559.5	1544.9
5°	1721.1	1718.1	1721.1	1700.5	1680.0	1662.3	1633.0	1618.3	1615.3	1594.8	1565.4
7.5°	1788.6	1785.7	1782.8	1765.1	1756.3	1738.7	1697.6	1653.5	1647.7	1627.1	1588.9
10°	1815.1	1818.0	1832.7	1803.3	1785.7	1771.0	1747.5	1694.6	1688.8	1641.8	1583.0
12.5°	1885.5	1888.5	1879.7	1844.4	1838.6	1826.8	1788.6	1744.6	1738.7	1680.0	1597.7
15°	1959.0	1959.0	1947.2	1926.7	1912.0	1900.2	1853.2	1806.2	1803.3	1732.8	1635.9
17.5°	1991.3	1997.2	2000.1	1973.7	1967.8	1964.8	1941.3	1882.6	1876.7	1809.2	1688.8
20°	2011.8	2014.8	2017.7	2014.8	2017.7	2014.8	2026.5	1979.5	1964.8	1894.4	1747.5
22.5°	2053.0	2058.8	2079.4	2079.4	2088.2	2108.8	2099.9	2105.8	2099.9	2014.8	1847.4
25°	2073.5	2082.3	2108.8	2141.1	2179.2	2202.7	2235.0	2258.5	2261.5	2185.1	2000.1
27.5°	2041.2	2061.8	2129.3	2179.2	2267.4	2329.0	2405.4	2443.6	2449.4	2376.0	2164.6
30°	2082.3	2082.3	2123.4	2193.9	2302.6	2446.5	2564.0	2622.7	2628.6	2572.8	2329.0
32.5°	2006.0	2023.6	2117.6	2252.7	2408.3	2572.8	2687.3	2801.9	2816.6	2798.9	2564.0
35°	1997.2	2006.0	2064.7	2205.7	2414.2	2690.3	2848.9	2998.7	3028.0	3033.9	2790.1
37.5°	1914.9	1926.7	2035.3	2211.6	2496.4	2772.5	2975.2	3221.9	3248.3	3289.4	2986.9
40°	1812.1	1829.7	1917.9	2114.6	2472.9	2869.4	3110.3	3456.8	3495.0	3544.9	3245.4
42.5°	1677.0	1709.3	1859.1	2070.6	2461.2	2901.7	3239.5	3691.8	3727.0	3779.9	3462.7
45°	1562.5	1571.3	1691.7	1912.0	2367.2	2945.8	3359.9	3956.1	3979.6	4006.1	3638.9
47.5°	1459.7	1477.3	1580.1	1785.7	2267.4	2937.0	3465.6	4205.8	4246.9	4326.2	3853.3
50°	1154.2	1195.4	1486.1	1677.0	2114.6	2910.6	3553.8	4499.5	4567.0	4596.4	4097.1
52.5°	998.6	1010.3	1157.2	1571.3	1944.3	2822.4	3630.1	4819.6	4896.0	4828.4	4390.8
55°	922.2	934.0	1001.5	1356.9	1812.1	2643.3	3688.9	5122.1	5169.1	5010.5	4608.1
57.5°	881.1	889.9	925.2	1098.4	1650.6	2358.4	3694.7	5271.9	5289.5	5154.4	4719.7
60°	810.6	819.4	881.1	957.5	1471.4	2055.9	3591.9	5357.1	5448.1	5330.6	4934.1
62.5°	763.6	769.5	810.6	872.3	1298.1	1809.2	3292.4	5600.8	5644.9	5486.3	5007.6
65°	704.9	710.8	748.9	804.7	1186.5	1671.1	3163.1	5501.0	5339.4	5448.1	5104.5
67.5°	637.3	646.1	681.4	728.4	1001.5	1536.0	2790.1	5128.0	5013.4	5254.3	4851.9
70°	575.6	581.5	619.7	646.1	822.4	1359.8	2317.3	4837.2	4957.6	4954.7	4622.8
72.5°	508.1	514.0	546.3	569.8	687.3	1151.3	1838.6	4502.4	4537.6	4411.4	4091.2
75°	437.6	440.5	469.9	493.4	563.9	922.2	1342.2	3724.1	3967.9	4217.5	3539.1
77.5°	352.4	361.2	384.7	396.5	452.3	737.2	875.2	2205.7	2519.9	3709.4	3163.1
80°	264.3	264.3	282.0	287.8	334.8	549.2	552.2	1063.2	1142.5	2358.4	2349.6
82.5°	167.4	176.2	193.8	190.9	226.1	314.3	349.5	590.3	634.4	934.0	1042.6
85°	135.1	138.0	149.8	141.0	149.8	170.3	196.8	373.0	387.7	569.8	566.8
87.5°	111.6	114.5	123.4	117.5	120.4	129.2	152.7	249.6	255.5	367.1	378.9
90°	85.2	88.1	99.9	96.9	94.0	105.7	126.3	190.9	199.7	290.8	311.3
92.5°	55.8	55.8	64.6	64.6	64.6	76.4	111.6	146.8	152.7	264.3	279.0
95°	41.1	41.1	44.1	47.0	44.1	55.8	82.2	132.2	143.9	246.7	240.8
97.5°	26.4	26.4	29.4	32.3	29.4	35.2	47.0	94.0	105.7	190.9	188.0
100°	17.6	17.6	17.6	17.6	17.6	17.6	26.4	61.7	70.5	120.4	117.5
102.5°	11.7	11.7	11.7	11.7	8.8	8.8	11.7	29.4	32.3	64.6	61.7
105°	2.9	2.9	5.9	5.9	5.9	2.9	2.9	11.7	14.7	26.4	26.4
107.5°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	2.9
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: P691779

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

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	2.9
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	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	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	2.9	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: P691779

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9	1544.9
2.5°	1539.0	1530.2	1515.5	1500.8	1492.0	1483.2	1468.5	1456.7	1456.7	1471.4	1471.4
5°	1544.9	1527.2	1497.9	1486.1	1471.4	1450.9	1427.4	1409.8	1400.9	1412.7	1415.6
7.5°	1559.5	1533.1	1503.7	1477.3	1427.4	1389.2	1368.6	1345.1	1342.2	1354.0	1359.8
10°	1547.8	1521.4	1486.1	1436.2	1383.3	1354.0	1315.8	1286.4	1286.4	1277.6	1283.5
12.5°	1559.5	1524.3	1453.8	1400.9	1354.0	1289.3	1242.3	1213.0	1210.0	1218.9	1218.9
15°	1588.9	1536.0	1445.0	1380.4	1304.0	1239.4	1192.4	1160.1	1168.9	1151.3	1154.2
17.5°	1624.2	1544.9	1445.0	1333.4	1248.2	1186.5	1121.9	1083.7	1086.7	1089.6	1092.6
20°	1668.2	1568.4	1430.3	1298.1	1195.4	1107.2	1033.8	1004.4	995.6	1001.5	1004.4
22.5°	1735.8	1621.2	1424.4	1280.5	1121.9	1036.8	972.1	913.4	907.5	907.5	907.5
25°	1847.4	1700.5	1450.9	1221.8	1083.7	954.5	881.1	825.3	798.9	801.8	804.7
27.5°	2017.7	1826.8	1477.3	1224.7	995.6	881.1	790.0	728.4	713.7	716.6	719.6
30°	2196.9	1997.2	1544.9	1166.0	945.7	769.5	675.5	631.5	613.8	605.0	608.0
32.5°	2334.9	2146.9	1638.8	1148.4	854.7	649.1	590.3	555.1	531.6	522.8	522.8
35°	2555.2	2293.8	1715.2	1104.3	760.7	572.7	525.7	487.5	475.8	469.9	469.9
37.5°	2743.1	2455.3	1794.5	1086.7	646.1	514.0	455.2	431.7	431.7	425.9	422.9
40°	2945.8	2625.7	1838.6	1033.8	558.0	452.3	393.6	390.6	399.4	399.4	399.4
42.5°	3189.6	2801.9	1885.5	972.1	490.5	381.8	349.5	373.0	393.6	399.4	399.4
45°	3371.7	2913.5	1906.1	840.0	422.9	331.9	343.6	367.1	393.6	402.4	399.4
47.5°	3527.3	3075.0	1876.7	678.4	364.2	323.1	337.8	358.3	390.6	402.4	402.4
50°	3683.0	3213.1	1856.2	490.5	340.7	323.1	337.8	346.6	381.8	396.5	396.5
52.5°	3912.1	3321.7	1773.9	411.2	323.1	326.0	343.6	343.6	375.9	393.6	402.4
55°	4205.8	3571.4	1618.3	384.7	317.2	323.1	346.6	346.6	370.1	387.7	393.6
57.5°	4326.2	3659.5	1351.0	361.2	311.3	323.1	337.8	343.6	373.0	384.7	381.8
60°	4484.8	3803.4	1107.2	337.8	299.6	317.2	326.0	346.6	370.1	373.0	370.1
62.5°	4570.0	3821.0	916.3	314.3	290.8	308.4	311.3	334.8	358.3	367.1	370.1
65°	4616.9	3803.4	678.4	290.8	282.0	296.6	299.6	320.1	343.6	349.5	352.4
67.5°	4446.6	3683.0	469.9	267.3	273.1	282.0	287.8	308.4	326.0	343.6	349.5
70°	4141.2	3333.5	334.8	237.9	258.5	267.3	279.0	299.6	317.2	340.7	346.6
72.5°	3803.4	2684.4	246.7	202.7	237.9	249.6	270.2	284.9	311.3	340.7	349.5
75°	3486.2	2355.5	196.8	173.3	202.7	229.1	255.5	276.1	314.3	417.1	431.7
77.5°	2472.9	1591.8	176.2	152.7	173.3	199.7	235.0	270.2	437.6	496.4	499.3
80°	1794.5	936.9	158.6	135.1	149.8	161.5	214.4	331.9	484.6	458.2	458.2
82.5°	898.7	502.2	149.8	120.4	129.2	132.2	190.9	422.9	390.6	408.2	411.2
85°	434.7	243.8	123.4	105.7	111.6	108.7	179.2	402.4	370.1	373.0	367.1
87.5°	273.1	149.8	96.9	88.1	91.0	88.1	170.3	384.7	387.7	317.2	323.1
90°	246.7	176.2	76.4	70.5	61.7	73.4	152.7	358.3	378.9	229.1	190.9
92.5°	237.9	190.9	55.8	49.9	44.1	58.7	114.5	290.8	232.0	96.9	58.7
95°	211.5	167.4	47.0	35.2	41.1	49.9	73.4	193.8	155.7	0.0	0.0
97.5°	158.6	123.4	38.2	23.5	132.2	44.1	41.1	126.3	44.1	0.0	0.0
100°	99.9	76.4	29.4	17.6	149.8	29.4	26.4	73.4	0.0	0.0	0.0
102.5°	55.8	41.1	14.7	11.7	64.6	14.7	17.6	17.6	0.0	0.0	0.0
105°	23.5	20.6	5.9	5.9	5.9	2.9	8.8	0.0	0.0	0.0	0.0
107.5°	5.9	8.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691779

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	5.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)