

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: P691855

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691855
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-D-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: 9726 lumens
Efficiency: N/A
Efficacy: 138.5 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): 70.2
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

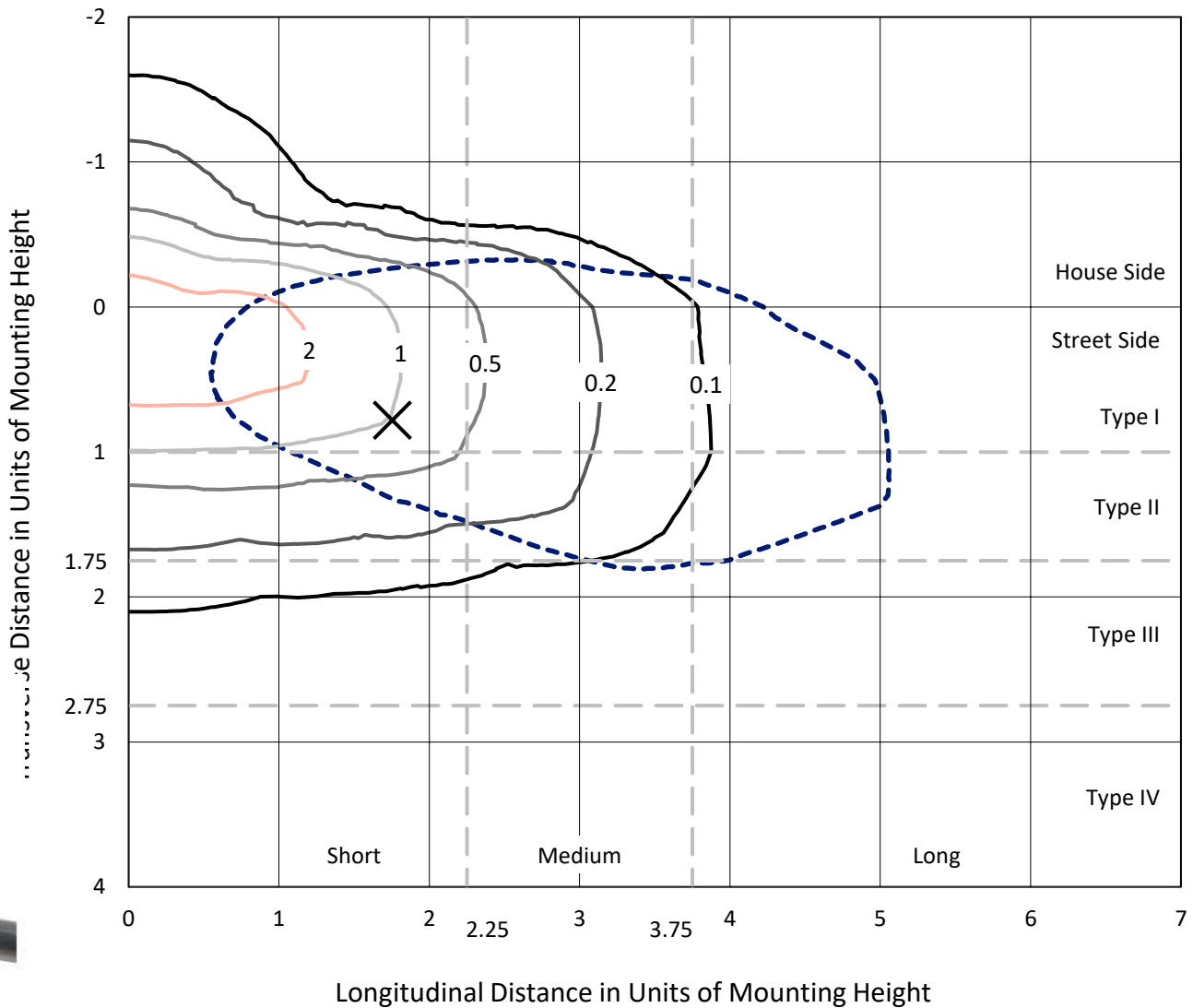


REPORT NUMBER: P691855

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

Iso-Footcandle Lines of Horizontal Illumination

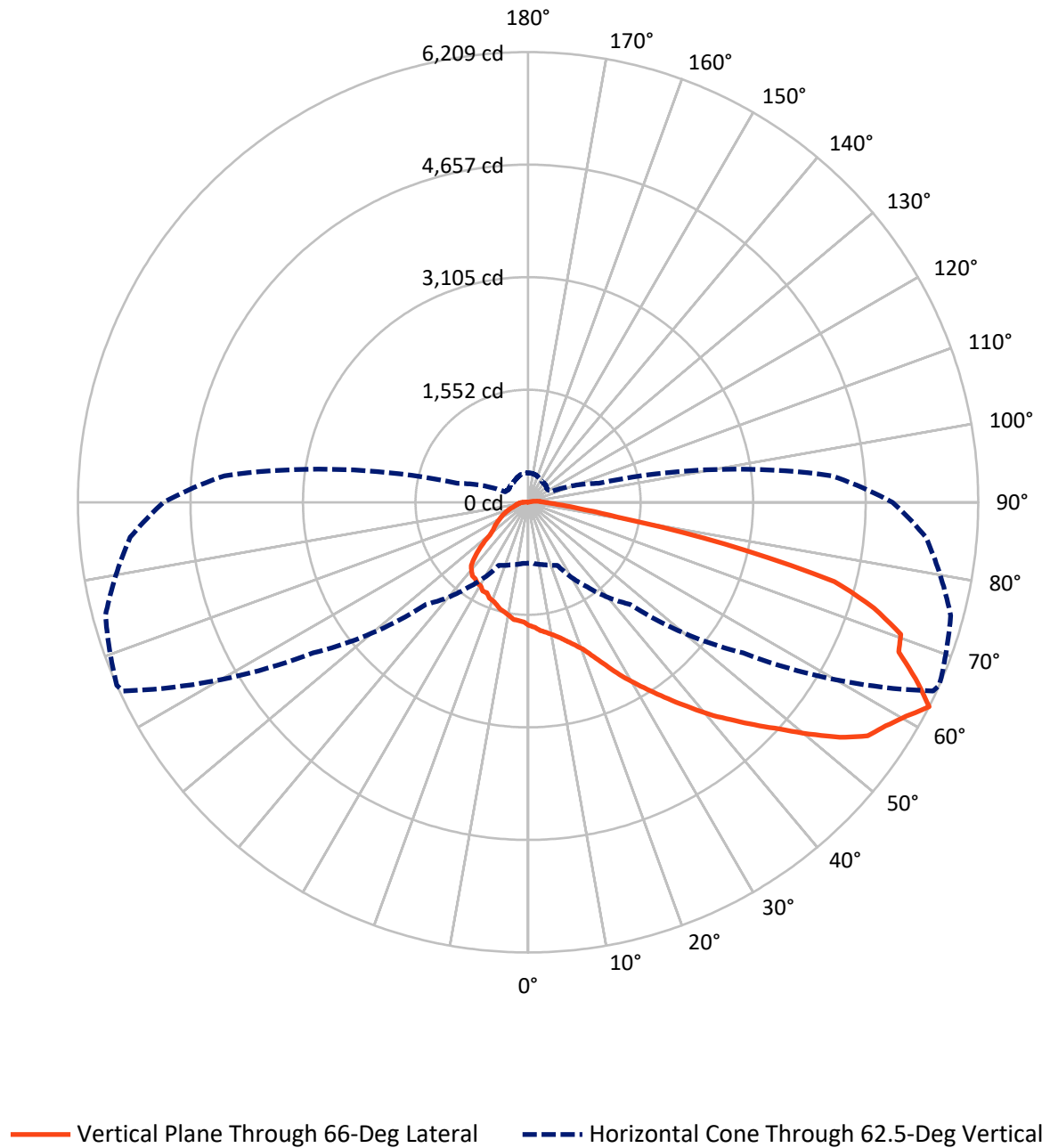
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

REPORT NUMBER: P691855
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691855

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

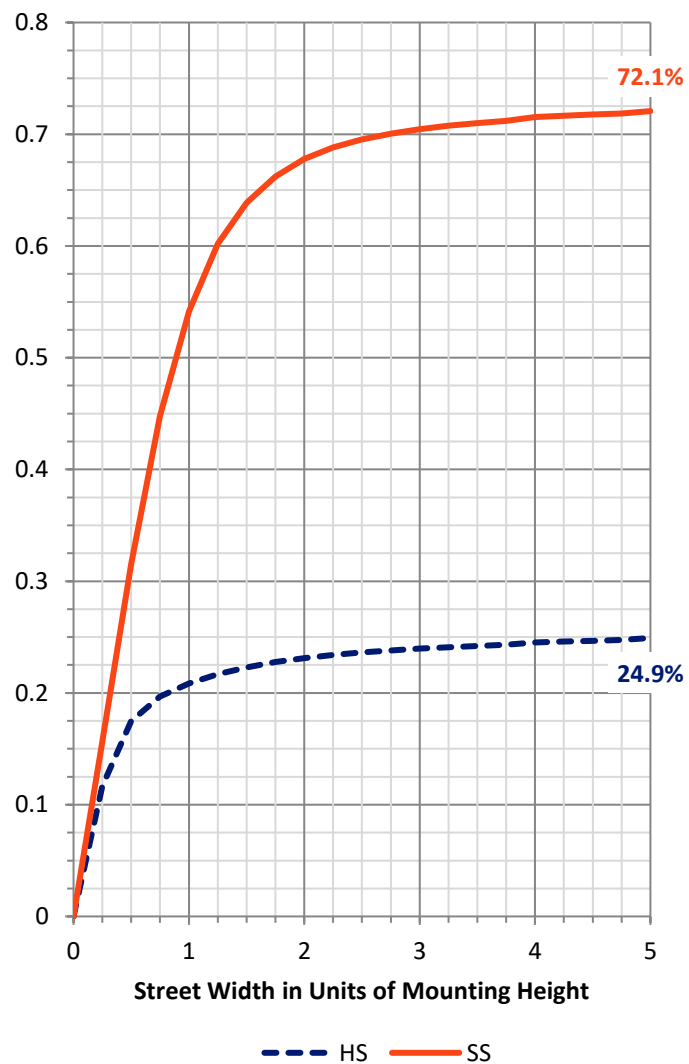
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2531.6	69.9	2601.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	7055.2	69.2	7124.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	9586.8	139.1	9726.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	1.7
10°-20°	489.0	5.0
20°-30°	827.5	8.5
30°-40°	1210.6	12.4
40°-50°	1582.4	16.3
50°-60°	1841.4	18.9
60°-70°	1842.2	18.9
70°-80°	1271.1	13.1
80°-90°	359.3	3.7
90°-100°	118.4	1.2
100°-110°	16.2	0.2
110°-120°	0.9	0.0
120°-130°	0.9	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°	9586.8	98.6
0°-180°	9726.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691855

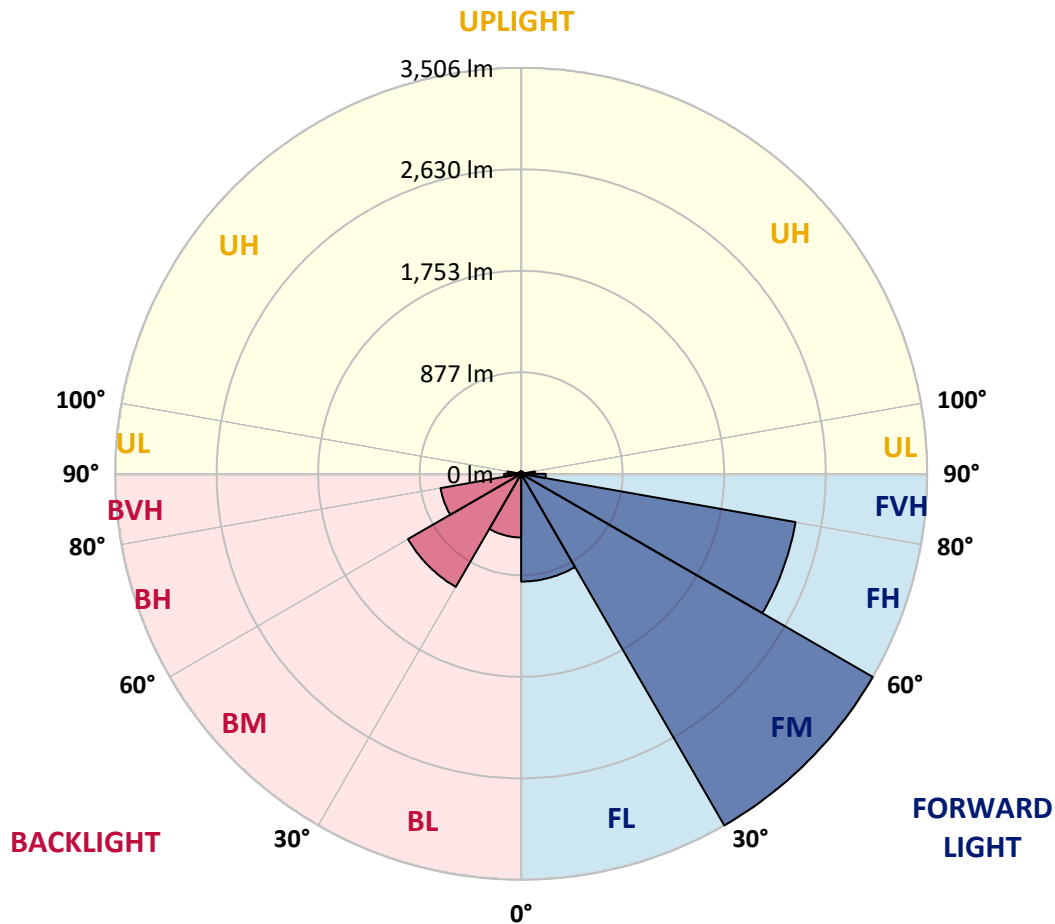
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	930.4	9.6			
FM	(30°-60°)	3506.5	36.1			
FH	(60°-80°)	2406.2	24.7			G2/5000
FVH	(80°-90°)	212.2	2.2			G2/225
BL	(0°-30°)	549.4	5.6	B2/1000		
BM	(30°-60°)	1127.9	11.6	B2/2500		
BH	(60°-80°)	707.1	7.3	B2/1000		G2/1000
BVH	(80°-90°)	147.1	1.5			G2/225
UL	(90°-100°)	118.4	1.2		U3/500	
UH	(100°-180°)	20.7	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



REPORT NUMBER: P691855

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3
2.5°	1786.5	1783.3	1783.3	1767.1	1751.0	1747.8	1738.1	1725.2	1725.2	1715.5	1699.3
5°	1893.1	1889.9	1893.1	1870.5	1847.9	1828.5	1796.2	1780.1	1776.8	1754.2	1721.9
7.5°	1967.4	1964.2	1961.0	1941.6	1931.9	1912.5	1867.3	1818.8	1812.4	1789.8	1747.8
10°	1996.5	1999.8	2015.9	1983.6	1964.2	1948.1	1922.2	1864.1	1857.6	1805.9	1741.3
12.5°	2074.1	2077.3	2067.6	2028.8	2022.4	2009.4	1967.4	1919.0	1912.5	1847.9	1757.5
15°	2154.8	2154.8	2141.9	2119.3	2103.1	2090.2	2038.5	1986.8	1983.6	1906.1	1799.5
17.5°	2190.4	2196.8	2200.1	2171.0	2164.5	2161.3	2135.4	2070.8	2064.4	1990.1	1857.6
20°	2213.0	2216.2	2219.4	2216.2	2219.4	2216.2	2229.1	2177.4	2161.3	2083.8	1922.2
22.5°	2258.2	2264.7	2287.3	2287.3	2297.0	2319.6	2309.9	2316.4	2309.9	2216.2	2032.1
25°	2280.8	2290.5	2319.6	2355.1	2397.1	2423.0	2458.5	2484.3	2487.6	2403.6	2200.1
27.5°	2245.3	2267.9	2342.2	2397.1	2494.0	2561.9	2645.9	2687.9	2694.3	2613.6	2381.0
30°	2290.5	2290.5	2335.7	2413.3	2532.8	2691.1	2820.3	2884.9	2891.4	2830.0	2561.9
32.5°	2206.5	2225.9	2329.3	2477.9	2649.1	2830.0	2956.0	3082.0	3098.2	3078.8	2820.3
35°	2196.8	2206.5	2271.1	2426.2	2655.6	2959.2	3133.7	3298.5	3330.8	3337.2	3069.1
37.5°	2106.4	2119.3	2238.8	2432.7	2746.0	3049.7	3272.6	3544.0	3573.1	3618.3	3285.5
40°	1993.3	2012.7	2109.6	2326.0	2720.2	3156.3	3421.2	3802.4	3844.4	3899.4	3569.8
42.5°	1844.7	1880.2	2045.0	2277.6	2707.3	3191.9	3563.4	4060.9	4099.7	4157.8	3808.9
45°	1718.7	1728.4	1860.8	2103.1	2603.9	3240.3	3695.8	4351.6	4377.5	4406.6	4002.7
47.5°	1605.6	1625.0	1738.1	1964.2	2494.0	3230.6	3812.1	4626.2	4671.5	4758.7	4238.6
50°	1269.6	1314.9	1634.7	1844.7	2326.0	3201.5	3909.1	4949.3	5023.6	5055.9	4506.7
52.5°	1098.4	1111.3	1272.9	1728.4	2138.7	3104.6	3993.0	5301.4	5385.4	5311.1	4829.8
55°	1014.4	1027.3	1101.6	1492.5	1993.3	2907.6	4057.7	5634.2	5685.9	5511.4	5068.8
57.5°	969.2	978.9	1017.6	1208.3	1815.6	2594.2	4064.1	5799.0	5818.3	5669.7	5191.6
60°	891.7	901.3	969.2	1053.2	1618.5	2261.4	3951.0	5892.7	5992.8	5863.6	5427.4
62.5°	840.0	846.4	891.7	959.5	1427.9	1990.1	3621.5	6160.8	6209.3	6034.8	5508.2
65°	775.3	781.8	823.8	885.2	1305.2	1838.2	3479.4	6051.0	5873.3	5992.8	5614.8
67.5°	701.0	710.7	749.5	801.2	1101.6	1689.6	3069.1	5640.7	5514.7	5779.6	5337.0
70°	633.2	639.7	681.7	710.7	904.6	1495.8	2549.0	5320.8	5453.3	5450.1	5085.0
72.5°	558.9	565.4	600.9	626.7	756.0	1266.4	2022.4	4952.5	4991.3	4852.4	4500.3
75°	481.4	484.6	516.9	542.7	620.3	1014.4	1476.4	4096.4	4364.6	4639.2	3892.9
77.5°	387.7	397.4	423.2	436.1	497.5	810.9	962.7	2426.2	2771.9	4080.3	3479.4
80°	290.8	290.8	310.1	316.6	368.3	604.1	607.4	1169.5	1256.7	2594.2	2584.5
82.5°	184.1	193.8	213.2	210.0	248.8	345.7	384.4	649.4	697.8	1027.3	1146.9
85°	148.6	151.8	164.8	155.1	164.8	187.4	216.5	410.3	426.4	626.7	623.5
87.5°	122.8	126.0	135.7	129.2	132.5	142.1	168.0	274.6	281.1	403.8	416.8
90°	93.7	96.9	109.8	106.6	103.4	116.3	138.9	210.0	219.7	319.8	342.4
92.5°	61.4	61.4	71.1	71.1	71.1	84.0	122.8	161.5	168.0	290.8	306.9
95°	45.2	45.2	48.5	51.7	48.5	61.4	90.5	145.4	158.3	271.4	264.9
97.5°	29.1	29.1	32.3	35.5	32.3	38.8	51.7	103.4	116.3	210.0	206.8
100°	19.4	19.4	19.4	19.4	19.4	19.4	29.1	67.8	77.5	132.5	129.2
102.5°	12.9	12.9	12.9	12.9	9.7	9.7	12.9	32.3	35.5	71.1	67.8
105°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	12.9	16.2	29.1	29.1
107.5°	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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: P691855
 CATALOG NUMBER: CRTK2-C01H-D-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	3.2
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	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2	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	3.2	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: P691855

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3	1699.3
2.5°	1692.8	1683.2	1667.0	1650.8	1641.2	1631.5	1615.3	1602.4	1602.4	1618.5	1618.5
5°	1699.3	1679.9	1647.6	1634.7	1618.5	1595.9	1570.1	1550.7	1541.0	1553.9	1557.2
7.5°	1715.5	1686.4	1654.1	1625.0	1570.1	1528.1	1505.5	1479.6	1476.4	1489.3	1495.8
10°	1702.5	1673.5	1634.7	1579.8	1521.6	1489.3	1447.3	1415.0	1415.0	1405.3	1411.8
12.5°	1715.5	1676.7	1599.2	1541.0	1489.3	1418.2	1366.6	1334.2	1331.0	1340.7	1340.7
15°	1747.8	1689.6	1589.5	1518.4	1434.4	1363.3	1311.6	1276.1	1285.8	1266.4	1269.6
17.5°	1786.5	1699.3	1589.5	1466.7	1373.0	1305.2	1234.1	1192.1	1195.3	1198.6	1201.8
20°	1835.0	1725.2	1573.3	1427.9	1314.9	1217.9	1137.2	1104.9	1095.2	1101.6	1104.9
22.5°	1909.3	1783.3	1566.9	1408.6	1234.1	1140.4	1069.3	1004.7	998.3	998.3	998.3
25°	2032.1	1870.5	1595.9	1343.9	1192.1	1050.0	969.2	907.8	878.7	882.0	885.2
27.5°	2219.4	2009.4	1625.0	1347.2	1095.2	969.2	869.0	801.2	785.0	788.3	791.5
30°	2416.5	2196.8	1699.3	1282.6	1040.3	846.4	743.0	694.6	675.2	665.5	668.7
32.5°	2568.3	2361.6	1802.7	1263.2	940.1	714.0	649.4	610.6	584.7	575.1	575.1
35°	2810.6	2523.1	1886.7	1214.7	836.7	630.0	578.3	536.3	523.4	516.9	516.9
37.5°	3017.4	2700.8	1973.9	1195.3	710.7	565.4	500.7	474.9	474.9	468.4	465.2
40°	3240.3	2888.2	2022.4	1137.2	613.8	497.5	432.9	429.7	439.4	439.4	439.4
42.5°	3508.5	3082.0	2074.1	1069.3	539.5	420.0	384.4	410.3	432.9	439.4	439.4
45°	3708.8	3204.8	2096.7	924.0	465.2	365.1	378.0	403.8	432.9	442.6	439.4
47.5°	3880.0	3382.5	2064.4	746.3	400.6	355.4	371.5	394.1	429.7	442.6	442.6
50°	4051.2	3534.3	2041.8	539.5	374.8	355.4	371.5	381.2	420.0	436.1	436.1
52.5°	4303.2	3653.8	1951.3	452.3	355.4	358.6	378.0	378.0	413.5	432.9	442.6
55°	4626.2	3928.4	1780.1	423.2	348.9	355.4	381.2	381.2	407.1	426.4	432.9
57.5°	4758.7	4025.4	1486.1	397.4	342.4	355.4	371.5	378.0	410.3	423.2	420.0
60°	4933.2	4183.7	1217.9	371.5	329.5	348.9	358.6	381.2	407.1	410.3	407.1
62.5°	5026.8	4203.0	1008.0	345.7	319.8	339.2	342.4	368.3	394.1	403.8	407.1
65°	5078.5	4183.7	746.3	319.8	310.1	326.3	329.5	352.1	378.0	384.4	387.7
67.5°	4891.2	4051.2	516.9	294.0	300.4	310.1	316.6	339.2	358.6	378.0	384.4
70°	4555.2	3666.8	368.3	261.7	284.3	294.0	306.9	329.5	348.9	374.8	381.2
72.5°	4183.7	2952.8	271.4	222.9	261.7	274.6	297.2	313.4	342.4	374.8	384.4
75°	3834.7	2591.0	216.5	190.6	222.9	252.0	281.1	303.7	345.7	458.7	474.9
77.5°	2720.2	1751.0	193.8	168.0	190.6	219.7	258.4	297.2	481.4	546.0	549.2
80°	1973.9	1030.6	174.5	148.6	164.8	177.7	235.8	365.1	533.1	504.0	504.0
82.5°	988.6	552.4	164.8	132.5	142.1	145.4	210.0	465.2	429.7	449.1	452.3
85°	478.1	268.1	135.7	116.3	122.8	119.5	197.1	442.6	407.1	410.3	403.8
87.5°	300.4	164.8	106.6	96.9	100.1	96.9	187.4	423.2	426.4	348.9	355.4
90°	271.4	193.8	84.0	77.5	67.8	80.8	168.0	394.1	416.8	252.0	210.0
92.5°	261.7	210.0	61.4	54.9	48.5	64.6	126.0	319.8	255.2	106.6	64.6
95°	232.6	184.1	51.7	38.8	45.2	54.9	80.8	213.2	171.2	0.0	0.0
97.5°	174.5	135.7	42.0	25.8	145.4	48.5	45.2	138.9	48.5	0.0	0.0
100°	109.8	84.0	32.3	19.4	164.8	32.3	29.1	80.8	0.0	0.0	0.0
102.5°	61.4	45.2	16.2	12.9	71.1	16.2	19.4	19.4	0.0	0.0	0.0
105°	25.8	22.6	6.5	6.5	6.5	3.2	9.7	0.0	0.0	0.0	0.0
107.5°	6.5	9.7	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691855

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.2	3.2	3.2	3.2	3.2	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)