

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: P691972

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10621 lumens
Efficiency: N/A
Efficacy: 134.4 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): 79
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

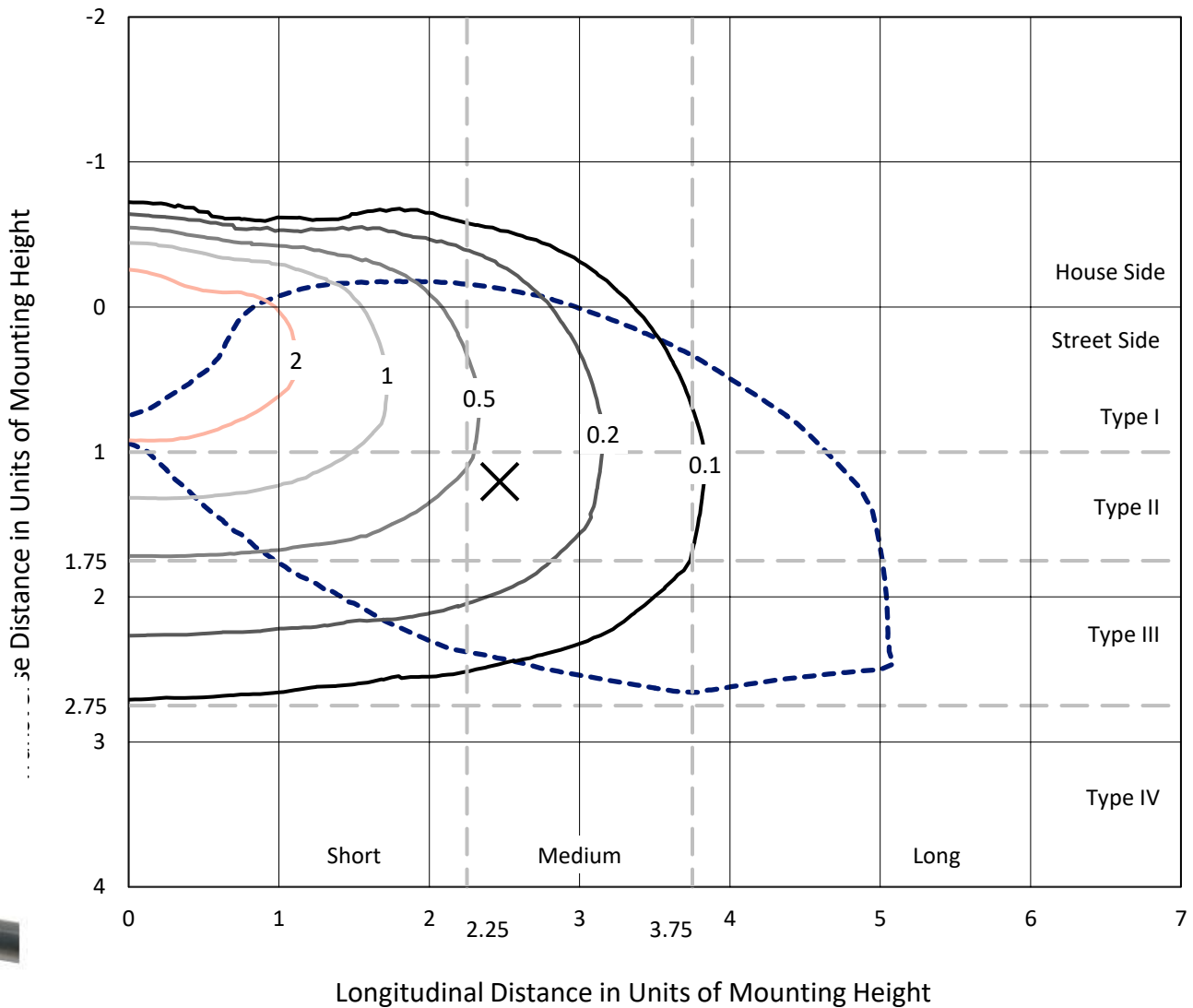


REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

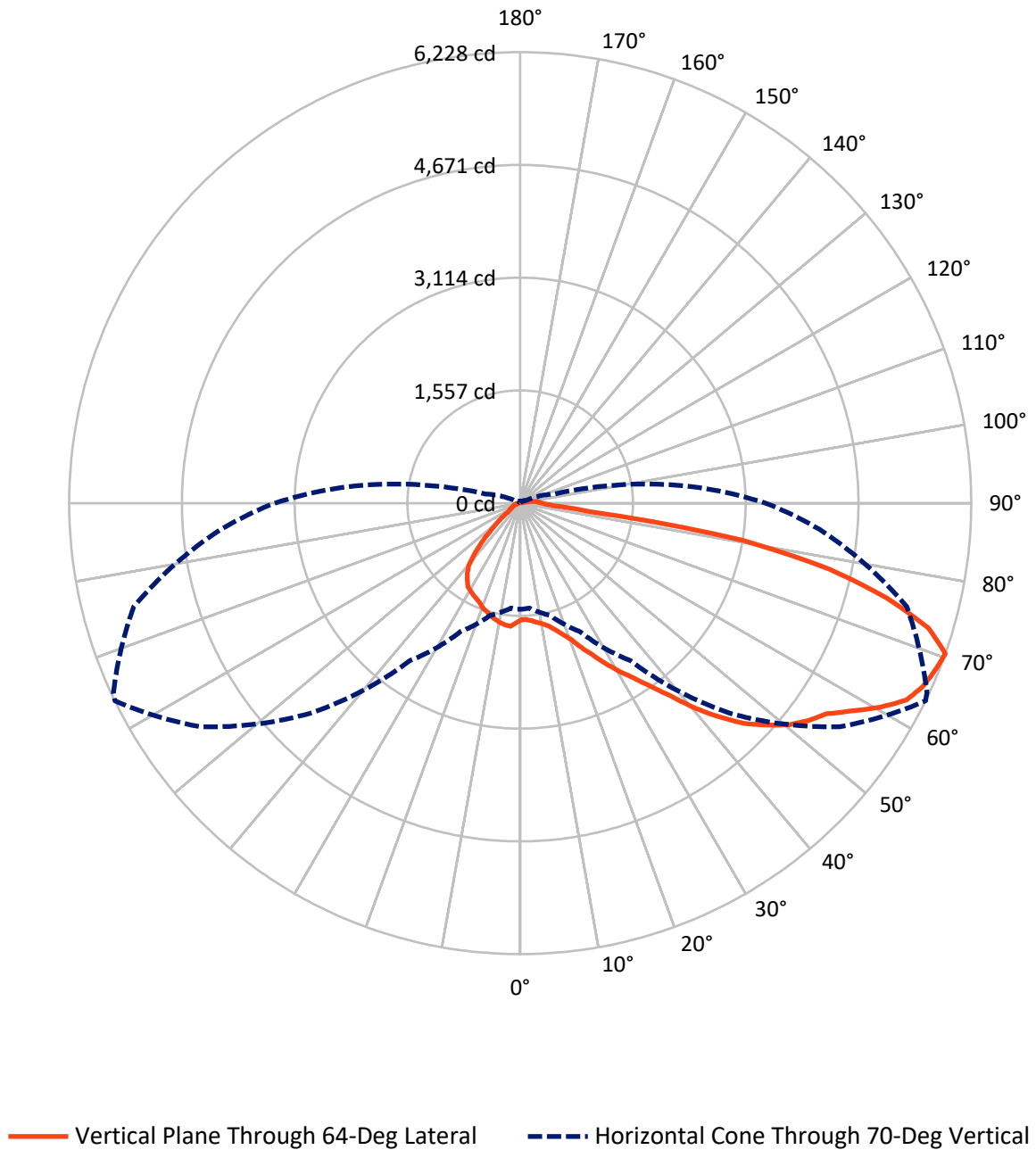


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

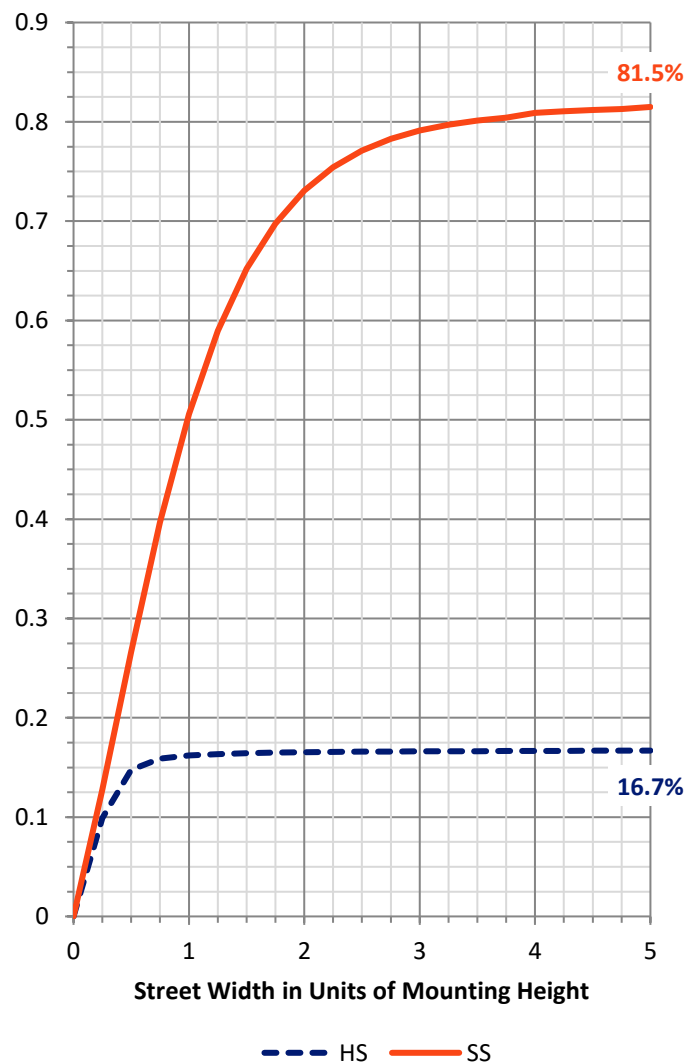
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.3	21.9	1823.2
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	8708.3	89.6	8797.8
	% Fixture	82.0	0.8	82.8
Total	Lumens	10509.5	111.5	10621.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	1.5
10°-20°	489.5	4.6
20°-30°	846.2	8.0
30°-40°	1255.7	11.8
40°-50°	1724.8	16.2
50°-60°	2094.6	19.7
60°-70°	2225.4	21.0
70°-80°	1470.2	13.8
80°-90°	243.5	2.3
90°-100°	90.7	0.9
100°-110°	15.3	0.1
110°-120°	1.2	0.0
120°-130°	1.2	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	10509.5	99.0
0°-180°	10621.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691972

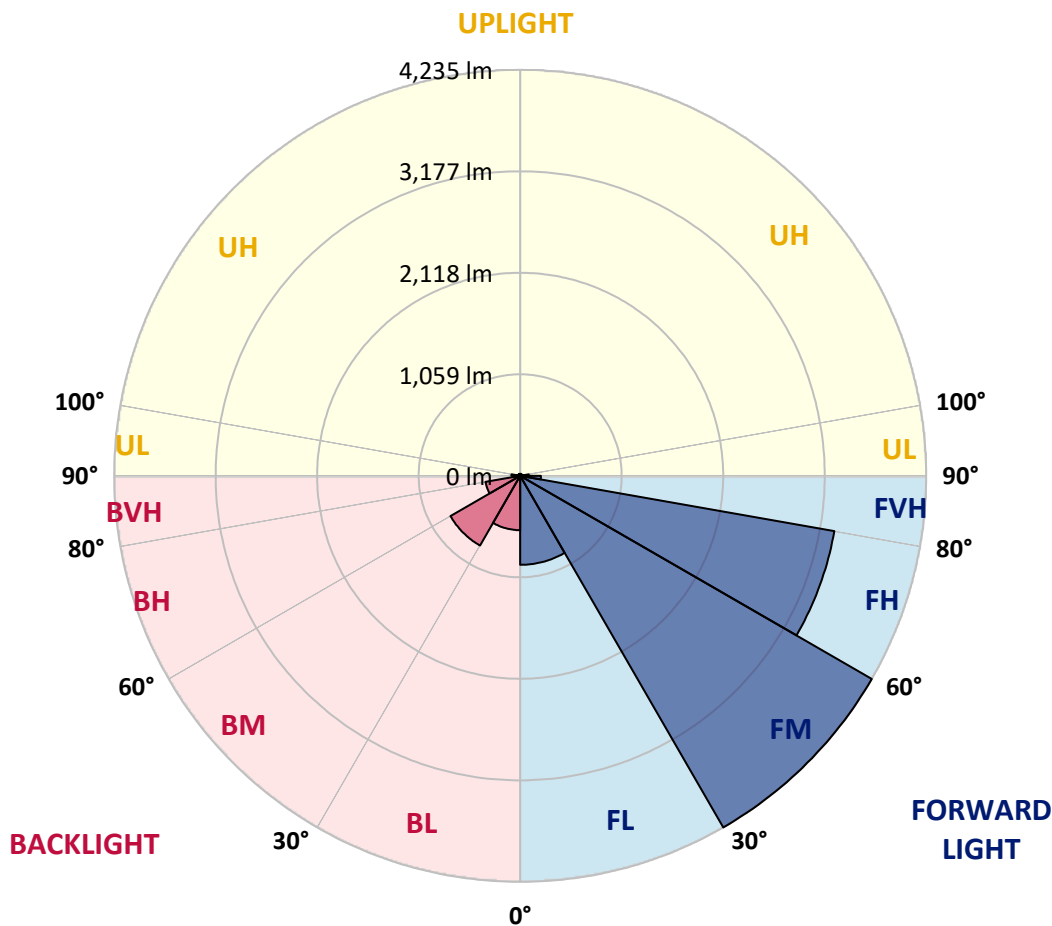
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	928.4	8.7			
FM	(30°-60°)	4235.5	39.9			
FH	(60°-80°)	3328.3	31.3			G2/5000
FVH	(80°-90°)	216.1	2.0			G2/225
BL	(0°-30°)	567.0	5.3	B2/1000		
BM	(30°-60°)	839.6	7.9	B1/1000		
BH	(60°-80°)	367.3	3.5	B1/500		G1/500
BVH	(80°-90°)	27.3	0.3			G1/100
UL	(90°-100°)	90.7	0.9		U3/500	
UH	(100°-180°)	20.7	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1622.6	1618.8	1622.6	1618.8	1615.0	1611.2	1607.4	1607.4	1603.6	1607.4	1611.2
5°	1694.7	1698.5	1690.9	1675.7	1656.7	1641.5	1634.0	1630.2	1630.2	1634.0	1649.1
7.5°	1747.9	1744.1	1740.3	1736.5	1721.3	1687.1	1668.1	1660.5	1660.5	1652.9	1679.5
10°	1842.9	1835.3	1816.3	1793.5	1778.3	1740.3	1706.1	1694.7	1690.9	1694.7	1717.5
12.5°	1945.5	1937.9	1934.1	1911.3	1858.1	1823.9	1766.9	1740.3	1740.3	1740.3	1751.7
15°	2093.7	2082.3	2044.3	2017.7	1972.1	1915.1	1850.5	1812.5	1812.5	1820.1	1789.7
17.5°	2200.1	2192.5	2188.7	2143.1	2105.1	2017.7	1968.3	1903.7	1903.7	1918.9	1854.3
20°	2310.3	2302.7	2306.5	2298.9	2241.9	2173.5	2086.1	2010.1	2010.1	2013.9	1922.7
22.5°	2458.5	2447.1	2447.1	2443.3	2412.9	2333.1	2230.5	2165.9	2154.5	2124.1	2010.1
25°	2606.7	2602.9	2595.3	2599.1	2591.5	2500.3	2390.1	2317.9	2317.9	2276.1	2127.9
27.5°	2754.9	2754.9	2751.1	2754.9	2751.1	2694.1	2583.9	2507.9	2511.7	2458.5	2257.1
30°	2861.3	2857.5	2884.1	2895.5	2903.1	2880.3	2773.9	2690.3	2697.9	2644.7	2409.1
32.5°	2960.1	2956.3	3001.9	3028.5	3036.1	3032.3	2944.9	2876.5	2895.5	2846.1	2591.5
35°	3051.3	3047.5	3108.3	3176.7	3207.1	3199.5	3142.5	3104.5	3123.5	3119.7	2838.5
37.5°	3119.7	3131.1	3210.9	3305.9	3359.1	3362.9	3336.3	3378.1	3400.9	3476.9	3146.3
40°	3199.5	3199.5	3275.5	3378.1	3473.1	3511.1	3533.9	3723.9	3746.7	3761.9	3351.5
42.5°	3115.9	3138.7	3302.1	3454.1	3575.7	3663.1	3788.5	4035.5	4084.9	3970.9	3602.3
45°	3051.3	3070.3	3237.5	3492.1	3666.9	3830.3	4065.9	4339.5	4377.5	4179.9	3735.3
47.5°	2982.9	3013.3	3184.3	3465.5	3754.3	4035.5	4297.7	4578.9	4613.1	4358.5	3921.5
50°	2903.1	2937.3	3119.7	3427.5	3799.9	4229.3	4506.7	4810.7	4814.5	4514.3	4024.1
52.5°	2827.1	2849.9	3039.9	3378.1	3837.9	4377.5	4704.3	4985.4	4962.6	4711.9	4134.3
55°	2697.9	2743.5	2944.9	3309.7	3856.9	4461.1	4841.1	5133.6	5148.8	4924.6	4282.5
57.5°	2580.1	2610.5	2823.3	3210.9	3841.7	4510.5	4974.0	5411.0	5441.4	5114.6	4388.9
60°	2431.9	2450.9	2656.1	3074.1	3742.9	4594.1	5270.4	5718.8	5753.0	5297.0	4430.7
62.5°	2245.7	2245.7	2450.9	2891.7	3617.5	4654.9	5475.6	5984.8	5984.8	5441.4	4445.9
65°	2006.3	2017.7	2200.1	2644.7	3408.5	4620.7	5536.4	6110.2	6121.6	5544.0	4438.3
67.5°	1774.5	1770.7	1930.3	2321.7	3093.1	4442.1	5490.8	6174.8	6220.4	5604.8	4339.5
70°	1466.8	1455.4	1603.6	1956.9	2652.3	4103.9	5384.4	6228.0	6197.6	5525.0	4145.7
72.5°	1128.6	1117.2	1227.4	1497.2	2089.9	3522.5	5072.8	5893.6	5840.4	5091.8	3746.7
75°	801.8	786.6	874.0	1052.6	1375.6	2576.3	4350.9	5228.6	5167.8	4578.9	3127.3
77.5°	456.0	440.8	520.6	665.0	832.2	1459.2	3294.5	4358.5	4442.1	3777.1	2390.1
80°	201.4	193.8	228.0	319.2	467.4	695.4	1793.5	3115.9	3001.9	2576.3	1360.4
82.5°	171.0	171.0	174.8	182.4	190.0	319.2	672.6	980.4	938.6	756.2	433.2
85°	148.2	144.4	152.0	159.6	163.4	209.0	391.4	471.2	463.6	418.0	300.2
87.5°	121.6	114.0	125.4	133.0	133.0	171.0	292.6	345.8	345.8	349.6	266.0
90°	106.4	106.4	98.8	98.8	102.6	121.6	224.2	285.0	292.6	361.0	307.8
92.5°	91.2	91.2	91.2	91.2	76.0	87.4	159.6	254.6	273.6	353.4	277.4
95°	87.4	83.6	87.4	79.8	76.0	79.8	121.6	224.2	247.0	311.6	243.2
97.5°	60.8	57.0	64.6	64.6	68.4	72.2	102.6	167.2	174.8	231.8	182.4
100°	41.8	38.0	38.0	38.0	49.4	49.4	83.6	102.6	106.4	148.2	121.6
102.5°	22.8	19.0	19.0	19.0	26.6	30.4	41.8	57.0	57.0	79.8	68.4
105°	7.6	7.6	11.4	11.4	11.4	15.2	15.2	19.0	19.0	22.8	30.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8

REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

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	0.0	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1615.0	1622.6	1641.5	1652.9	1668.1	1683.3	1694.7	1694.7	1706.1	1698.5	1694.7
5°	1664.3	1668.1	1690.9	1706.1	1702.3	1687.1	1675.7	1668.1	1671.9	1679.5	1679.5
7.5°	1698.5	1713.7	1694.7	1694.7	1690.9	1671.9	1649.1	1626.4	1615.0	1611.2	1611.2
10°	1717.5	1702.3	1694.7	1675.7	1634.0	1622.6	1603.6	1561.8	1550.4	1550.4	1535.2
12.5°	1728.9	1721.3	1679.5	1645.3	1607.4	1546.6	1504.8	1497.2	1463.0	1459.2	1463.0
15°	1774.5	1736.5	1683.3	1618.8	1546.6	1493.4	1436.4	1375.6	1349.0	1352.8	1356.6
17.5°	1804.9	1770.7	1675.7	1573.2	1508.6	1409.8	1345.2	1311.0	1269.2	1269.2	1269.2
20°	1854.3	1797.3	1664.3	1554.2	1402.2	1330.0	1254.0	1216.0	1174.2	1102.0	1094.4
22.5°	1918.9	1846.7	1660.5	1497.2	1360.4	1242.6	1132.4	1014.6	953.8	912.0	900.6
25°	1998.7	1915.1	1687.1	1470.6	1280.6	1136.2	995.6	836.0	722.0	699.2	699.2
27.5°	2135.5	2002.5	1721.3	1444.0	1235.0	1018.4	798.0	657.4	558.6	528.2	524.4
30°	2268.5	2112.7	1732.7	1417.4	1147.6	858.8	615.6	467.4	380.0	342.0	334.4
32.5°	2477.5	2264.7	1831.5	1394.6	1048.8	691.6	437.0	296.4	224.2	201.4	197.6
35°	2690.3	2469.9	1865.7	1333.8	870.2	505.4	250.8	159.6	121.6	102.6	98.8
37.5°	2963.9	2728.3	1968.3	1269.2	691.6	288.8	140.6	87.4	76.0	76.0	76.0
40°	3123.5	2842.3	2059.5	1185.6	475.0	148.2	83.6	68.4	68.4	64.6	64.6
42.5°	3328.7	2982.9	2139.3	1022.2	250.8	91.2	72.2	64.6	57.0	57.0	57.0
45°	3446.5	3074.1	2112.7	820.8	117.8	83.6	68.4	57.0	53.2	53.2	53.2
47.5°	3590.9	3188.1	2055.7	608.0	102.6	76.0	64.6	53.2	49.4	53.2	53.2
50°	3735.3	3302.1	1911.3	467.4	95.0	72.2	57.0	45.6	45.6	49.4	49.4
52.5°	3807.5	3381.9	1740.3	323.0	95.0	68.4	53.2	45.6	41.8	41.8	41.8
55°	3891.1	3400.9	1596.0	212.8	91.2	64.6	49.4	38.0	38.0	34.2	34.2
57.5°	3936.7	3351.5	1489.6	178.6	87.4	60.8	45.6	34.2	30.4	26.6	26.6
60°	3917.7	3279.3	1398.4	155.8	79.8	57.0	41.8	30.4	22.8	19.0	19.0
62.5°	3879.7	3218.5	1231.2	136.8	76.0	49.4	34.2	26.6	19.0	15.2	15.2
65°	3837.9	3055.1	1037.4	117.8	68.4	45.6	30.4	22.8	15.2	11.4	11.4
67.5°	3644.1	2838.5	760.0	106.4	64.6	41.8	26.6	19.0	15.2	11.4	11.4
70°	3389.5	2477.5	490.2	91.2	57.0	38.0	26.6	15.2	11.4	7.6	7.6
72.5°	2884.1	2021.5	247.0	79.8	53.2	38.0	22.8	15.2	11.4	7.6	3.8
75°	2355.9	1508.6	159.6	68.4	49.4	38.0	22.8	15.2	7.6	3.8	3.8
77.5°	1687.1	817.0	121.6	60.8	41.8	38.0	19.0	11.4	7.6	7.6	3.8
80°	703.0	296.4	98.8	49.4	38.0	34.2	19.0	11.4	7.6	7.6	3.8
82.5°	296.4	205.2	87.4	41.8	34.2	34.2	15.2	11.4	7.6	7.6	7.6
85°	231.8	171.0	76.0	38.0	30.4	38.0	15.2	11.4	11.4	11.4	11.4
87.5°	216.6	174.8	68.4	34.2	30.4	26.6	15.2	11.4	19.0	19.0	22.8
90°	243.2	182.4	53.2	30.4	26.6	22.8	11.4	7.6	7.6	0.0	0.0
92.5°	224.2	167.2	38.0	22.8	34.2	15.2	7.6	0.0	0.0	0.0	0.0
95°	193.8	140.6	22.8	15.2	38.0	19.0	3.8	0.0	0.0	0.0	0.0
97.5°	144.4	102.6	15.2	7.6	30.4	22.8	3.8	0.0	0.0	0.0	0.0
100°	102.6	64.6	11.4	7.6	19.0	22.8	3.8	0.0	0.0	0.0	0.0
102.5°	57.0	34.2	7.6	3.8	7.6	7.6	0.0	0.0	0.0	0.0	0.0
105°	26.6	11.4	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691972

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
122.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
130°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
135°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
137.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
140°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
145°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
150°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
157.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.8	3.8	3.8	3.8	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)