

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: P691864

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7678.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - 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

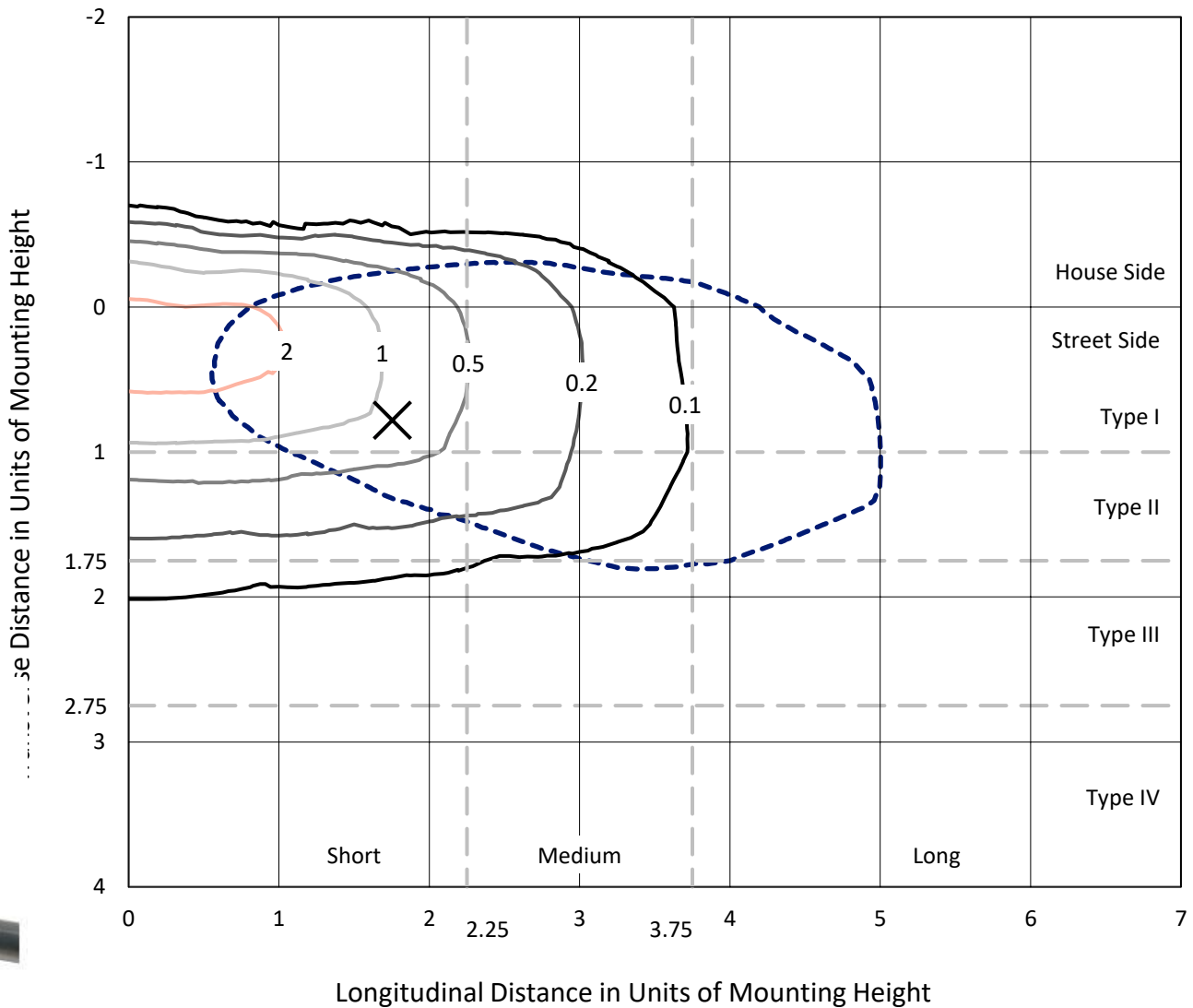


REPORT NUMBER: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

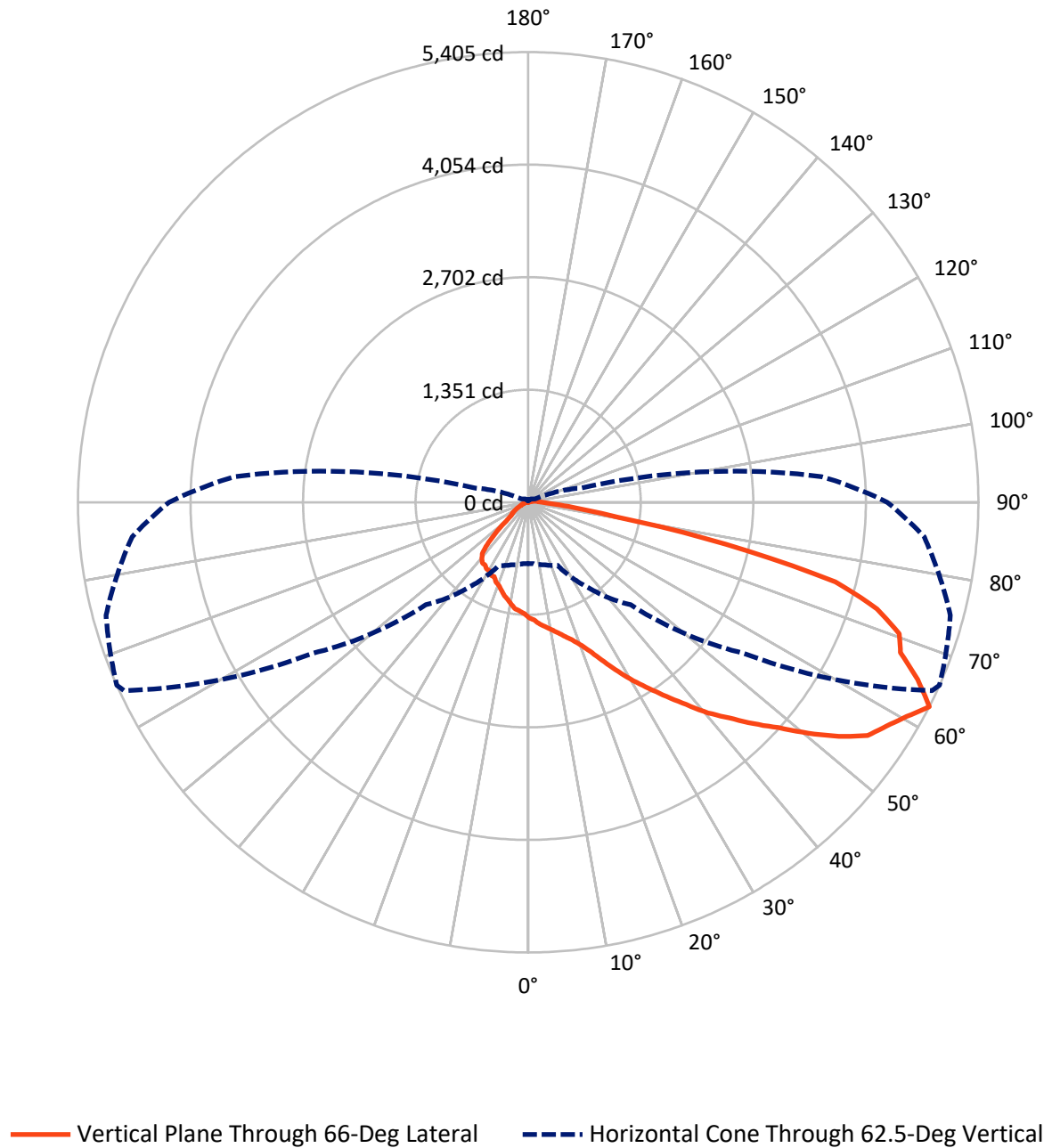


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

REPORT NUMBER: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

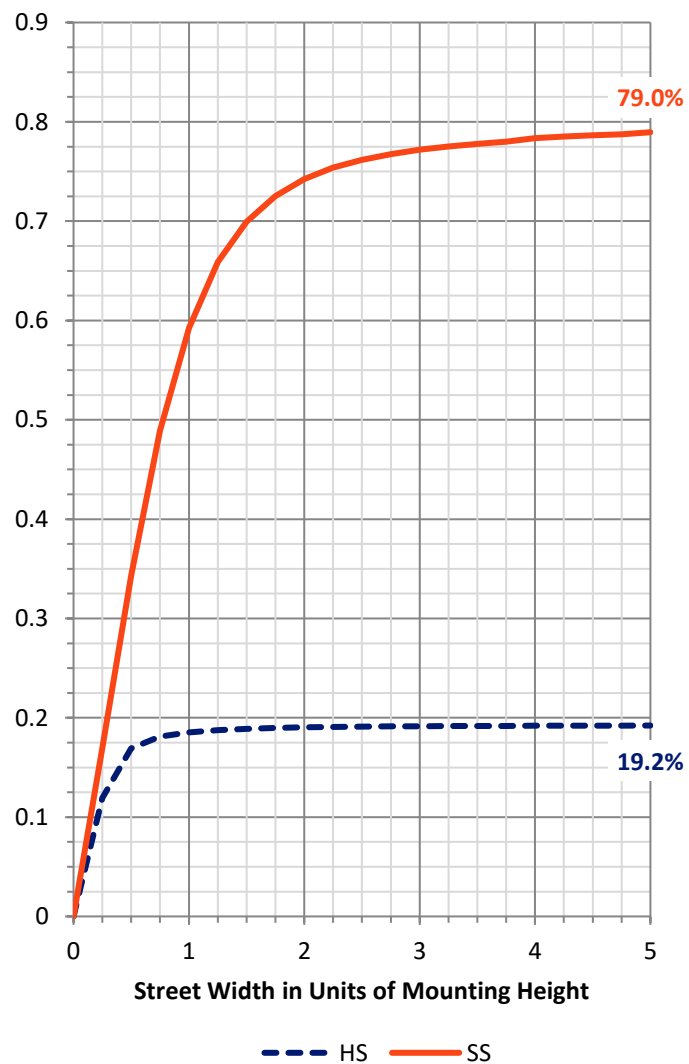
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1497.1	21.1	1518.2
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6102.2	58.5	6160.7
	% Fixture	79.5	0.8	80.2
Total	Lumens	7599.3	79.6	7678.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.7
10°-20°	386.4	5.0
20°-30°	650.1	8.5
30°-40°	966.8	12.6
40°-50°	1279.2	16.7
50°-60°	1489.4	19.4
60°-70°	1486.9	19.4
70°-80°	997.8	13.0
80°-90°	210.8	2.7
90°-100°	64.2	0.8
100°-110°	11.2	0.1
110°-120°	0.8	0.0
120°-130°	1.0	0.0
130°-140°	0.9	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°	7599.3	99.0
0°-180°	7678.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691864

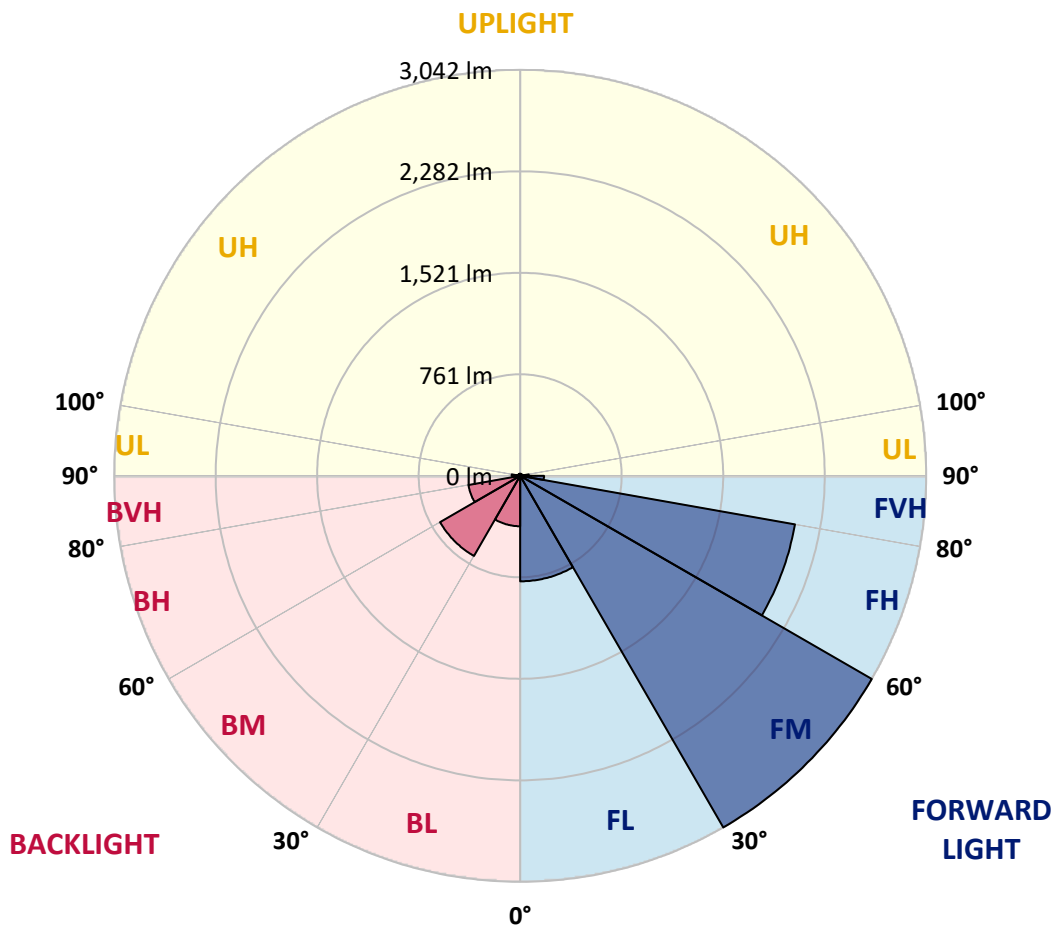
CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.6	10.3			
FM	(30°-60°)	3042.2	39.6			
FH	(60°-80°)	2091.0	27.2			G2/5000
FVH	(80°-90°)	178.4	2.3			G2/225
BL	(0°-30°)	377.7	4.9	B1/500		
BM	(30°-60°)	693.3	9.0	B1/1000		
BH	(60°-80°)	393.7	5.1	B1/500		G1/500
BVH	(80°-90°)	32.4	0.4			G1/100
UL	(90°-100°)	64.2	0.8		U3/500	
UH	(100°-180°)	15.4	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



REPORT NUMBER: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4
2.5°	1481.0	1472.5	1475.3	1461.1	1446.9	1438.4	1429.9	1415.7	1415.7	1404.4	1390.2
5°	1586.0	1588.8	1586.0	1568.9	1551.9	1526.4	1495.2	1469.6	1469.6	1444.1	1410.1
7.5°	1656.9	1654.1	1654.1	1634.2	1622.8	1608.7	1571.8	1515.0	1512.2	1478.1	1435.6
10°	1685.3	1688.1	1699.4	1671.1	1659.7	1639.9	1620.0	1563.3	1557.6	1500.8	1432.8
12.5°	1747.7	1750.5	1744.8	1722.1	1708.0	1693.8	1662.6	1614.3	1608.7	1546.2	1452.6
15°	1821.4	1821.4	1812.9	1790.2	1781.7	1761.9	1725.0	1679.6	1673.9	1603.0	1489.5
17.5°	1861.2	1866.8	1866.8	1835.6	1838.5	1830.0	1810.1	1750.5	1742.0	1676.7	1540.6
20°	1881.0	1883.9	1889.5	1889.5	1886.7	1883.9	1895.2	1841.3	1835.6	1759.0	1600.1
22.5°	1937.8	1943.4	1957.6	1949.1	1957.6	1969.0	1971.8	1969.0	1960.5	1878.2	1699.4
25°	1963.3	1980.3	2000.2	2025.7	2051.3	2068.3	2108.0	2127.9	2122.2	2042.7	1855.5
27.5°	1934.9	1952.0	2022.9	2071.1	2150.6	2198.8	2272.5	2303.8	2300.9	2235.7	2017.2
30°	1983.2	1988.8	2020.0	2088.1	2190.3	2323.6	2425.8	2474.0	2485.3	2425.8	2187.4
32.5°	1912.2	1932.1	2020.0	2147.7	2300.9	2442.8	2542.1	2649.9	2664.1	2638.5	2411.6
35°	1906.6	1920.7	1969.0	2108.0	2303.8	2567.6	2703.8	2851.3	2862.7	2871.2	2638.5
37.5°	1827.1	1847.0	1943.4	2119.3	2388.9	2649.9	2840.0	3052.8	3081.1	3115.2	2828.6
40°	1739.2	1753.4	1835.6	2022.9	2369.0	2746.3	2970.5	3296.8	3325.1	3367.7	3081.1
42.5°	1608.7	1639.9	1778.9	1980.3	2357.7	2774.7	3101.0	3512.4	3537.9	3597.5	3293.9
45°	1492.3	1506.5	1614.3	1835.6	2266.9	2825.8	3211.6	3764.9	3790.4	3818.8	3461.3
47.5°	1401.5	1418.6	1520.7	1719.3	2176.1	2814.4	3313.8	4014.5	4042.9	4108.2	3668.4
50°	1112.2	1154.7	1412.9	1605.8	2025.7	2791.7	3401.7	4292.6	4357.8	4383.4	3884.0
52.5°	956.1	970.3	1103.6	1503.7	1878.2	2709.5	3478.3	4596.2	4669.9	4621.7	4173.4
55°	890.9	899.4	964.6	1302.2	1744.8	2542.1	3540.7	4888.4	4942.3	4789.1	4386.2
57.5°	842.6	856.8	885.2	1055.4	1588.8	2261.2	3543.6	5050.1	5070.0	4928.1	4488.4
60°	780.2	785.9	845.5	919.2	1412.9	1969.0	3447.1	5132.4	5220.3	5089.8	4695.5
62.5°	734.8	740.5	777.4	837.0	1245.5	1739.2	3163.4	5350.8	5404.7	5245.9	4772.1
65°	678.1	686.6	717.8	777.4	1129.2	1600.1	3021.6	5294.1	5138.1	5209.0	4860.0
67.5°	618.5	624.2	658.2	703.6	961.8	1466.8	2669.7	4933.8	4820.3	5024.6	4624.5
70°	556.1	561.8	593.0	624.2	791.6	1302.2	2224.3	4627.4	4723.8	4735.2	4403.2
72.5°	490.8	496.5	524.9	550.4	655.4	1095.1	1767.5	4321.0	4380.5	4207.5	3889.7
75°	425.6	428.4	451.1	476.6	544.7	882.3	1265.4	3583.3	3810.3	4020.2	3356.3
77.5°	343.3	349.0	371.7	380.2	436.9	712.1	819.9	2130.7	2428.6	3518.1	3013.0
80°	252.5	255.3	278.0	275.2	326.3	519.2	516.4	1012.9	1089.5	2173.2	2213.0
82.5°	167.4	173.1	192.9	187.3	221.3	314.9	323.4	544.7	581.6	842.6	970.3
85°	133.3	136.2	147.5	136.2	147.5	158.9	178.7	329.1	334.8	499.3	496.5
87.5°	107.8	110.6	122.0	113.5	116.3	122.0	141.9	209.9	215.6	314.9	326.3
90°	85.1	88.0	102.1	93.6	93.6	102.1	119.2	156.0	164.6	246.8	266.7
92.5°	56.7	56.7	65.3	62.4	62.4	73.8	105.0	116.3	124.8	229.8	241.2
95°	42.6	42.6	45.4	45.4	45.4	53.9	79.4	110.6	122.0	224.1	218.5
97.5°	28.4	28.4	31.2	31.2	31.2	34.0	45.4	90.8	102.1	181.6	178.7
100°	19.9	19.9	19.9	17.0	17.0	17.0	25.5	59.6	68.1	116.3	116.3
102.5°	14.2	11.3	11.3	11.3	8.5	8.5	11.3	28.4	31.2	62.4	59.6
105°	2.8	2.8	5.7	5.7	5.7	2.8	2.8	11.3	11.3	25.5	25.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

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	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	0.0	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: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4	1387.4
2.5°	1381.7	1373.2	1353.3	1336.3	1322.1	1307.9	1285.2	1276.7	1271.0	1279.5	1279.5
5°	1390.2	1367.5	1333.5	1305.1	1279.5	1248.3	1214.3	1194.4	1177.4	1185.9	1185.9
7.5°	1404.4	1373.2	1330.6	1282.4	1217.1	1163.2	1120.7	1095.1	1080.9	1089.5	1095.1
10°	1395.9	1361.8	1305.1	1231.3	1154.7	1098.0	1044.1	1004.3	990.2	984.5	990.2
12.5°	1404.4	1364.7	1268.2	1180.2	1106.5	1015.7	950.4	907.9	890.9	890.9	890.9
15°	1432.8	1373.2	1245.5	1143.4	1029.9	941.9	873.8	828.4	822.8	802.9	802.9
17.5°	1472.5	1381.7	1237.0	1086.6	961.8	871.0	791.6	746.2	732.0	734.8	734.8
20°	1512.2	1398.7	1220.0	1038.4	899.4	791.6	709.3	666.7	632.7	621.3	627.0
22.5°	1580.3	1446.9	1205.8	1012.9	828.4	726.3	635.5	564.6	507.8	490.8	482.3
25°	1679.6	1523.5	1225.6	953.3	785.9	652.5	544.7	445.4	377.3	360.3	357.5
27.5°	1861.2	1642.7	1248.3	953.3	717.8	587.3	434.1	329.1	275.2	258.2	263.9
30°	2031.4	1804.4	1313.6	902.2	689.4	471.0	323.4	246.8	198.6	178.7	184.4
32.5°	2173.2	1957.6	1404.4	890.9	607.1	349.0	235.5	173.1	139.0	127.7	130.5
35°	2377.5	2088.1	1475.3	851.1	499.3	255.3	164.6	122.0	107.8	102.1	102.1
37.5°	2573.3	2247.0	1546.2	842.6	368.8	187.3	110.6	99.3	96.5	88.0	88.0
40°	2760.5	2408.7	1577.4	794.4	261.0	122.0	93.6	90.8	88.0	79.4	79.4
42.5°	2990.3	2564.8	1605.8	732.0	181.6	90.8	82.3	85.1	82.3	73.8	70.9
45°	3166.2	2669.7	1614.3	573.1	116.3	85.1	76.6	79.4	76.6	68.1	68.1
47.5°	3313.8	2811.6	1580.3	391.5	96.5	79.4	70.9	73.8	70.9	65.3	62.4
50°	3464.1	2942.1	1549.1	209.9	90.8	76.6	68.1	62.4	65.3	59.6	56.7
52.5°	3668.4	3038.6	1466.8	127.7	85.1	70.9	62.4	56.7	56.7	51.1	53.9
55°	3949.3	3276.9	1313.6	119.2	82.3	68.1	59.6	51.1	51.1	45.4	45.4
57.5°	4074.1	3370.5	1066.8	107.8	79.4	68.1	53.9	45.4	39.7	36.9	34.0
60°	4227.3	3509.5	839.8	99.3	73.8	65.3	48.2	39.7	31.2	28.4	28.4
62.5°	4312.4	3537.9	655.4	90.8	70.9	56.7	42.6	31.2	25.5	19.9	19.9
65°	4355.0	3518.1	436.9	82.3	65.3	53.9	36.9	25.5	17.0	14.2	14.2
67.5°	4193.3	3413.1	252.5	76.6	62.4	48.2	31.2	19.9	14.2	11.3	8.5
70°	3918.1	3106.7	158.9	68.1	59.6	42.6	28.4	17.0	11.3	8.5	5.7
72.5°	3594.7	2536.4	116.3	62.4	56.7	36.9	22.7	14.2	8.5	5.7	5.7
75°	3282.6	2210.1	99.3	53.9	48.2	31.2	19.9	11.3	8.5	5.7	2.8
77.5°	2349.1	1506.5	88.0	48.2	42.6	25.5	14.2	11.3	5.7	2.8	2.8
80°	1668.2	885.2	79.4	39.7	34.0	19.9	14.2	8.5	5.7	2.8	2.8
82.5°	800.1	459.6	76.6	34.0	25.5	17.0	11.3	8.5	5.7	2.8	2.8
85°	363.2	195.8	56.7	31.2	22.7	17.0	11.3	8.5	5.7	5.7	2.8
87.5°	221.3	102.1	45.4	25.5	17.0	14.2	8.5	5.7	5.7	5.7	5.7
90°	207.1	133.3	34.0	19.9	14.2	11.3	8.5	2.8	0.0	0.0	0.0
92.5°	198.6	153.2	25.5	14.2	8.5	8.5	2.8	0.0	0.0	0.0	0.0
95°	187.3	144.7	28.4	8.5	14.2	5.7	2.8	0.0	0.0	0.0	0.0
97.5°	147.5	113.5	31.2	8.5	70.9	5.7	2.8	0.0	0.0	0.0	0.0
100°	93.6	70.9	22.7	8.5	85.1	5.7	0.0	0.0	0.0	0.0	0.0
102.5°	53.9	39.7	11.3	8.5	25.5	2.8	0.0	0.0	0.0	0.0	0.0
105°	22.7	19.9	5.7	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
107.5°	5.7	5.7	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691864

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	5.7	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)