

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: P690836

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690836
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-C01-5TLD-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7798 lumens
Efficiency: N/A
Efficacy: 130.0 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): 60
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

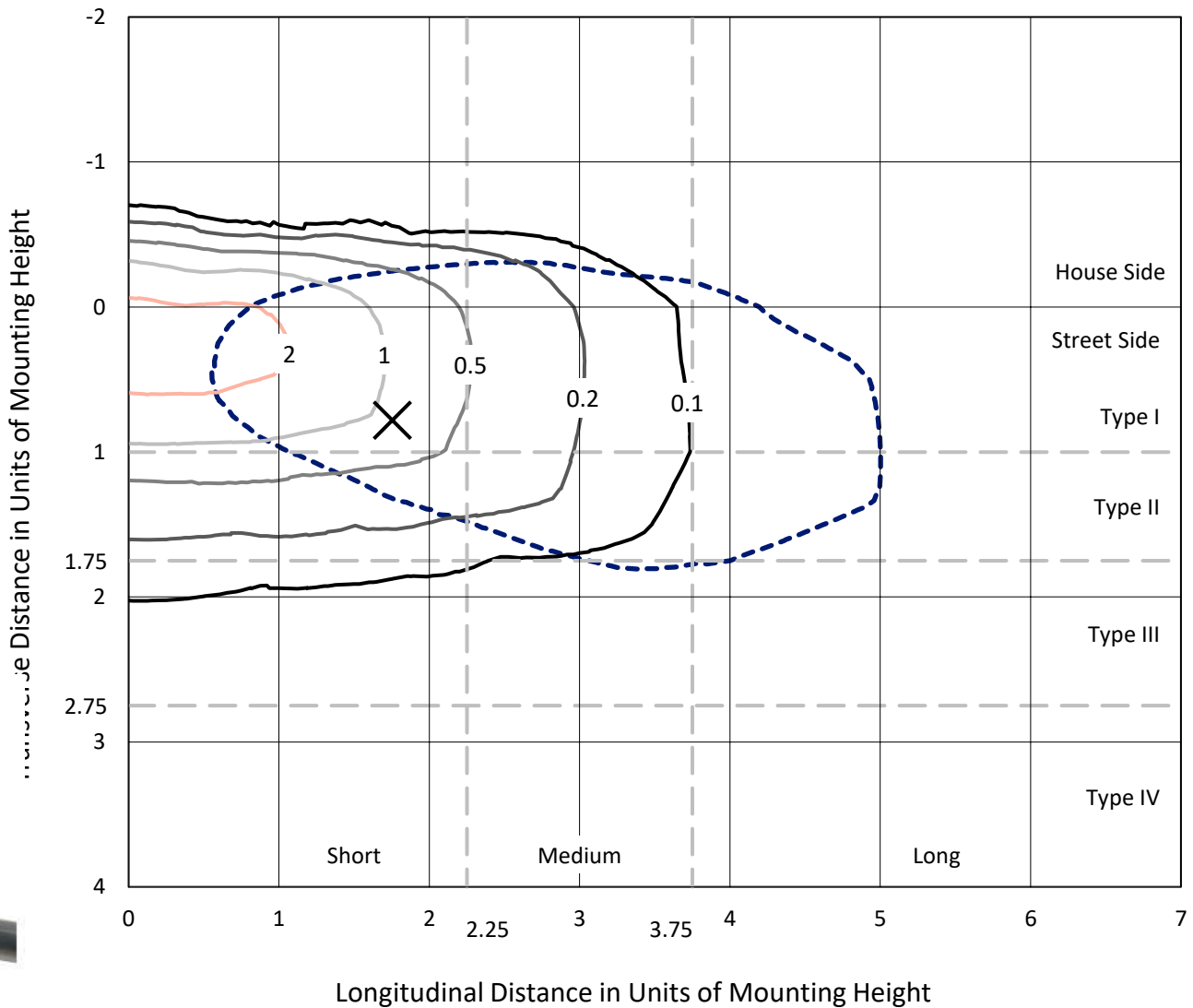


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

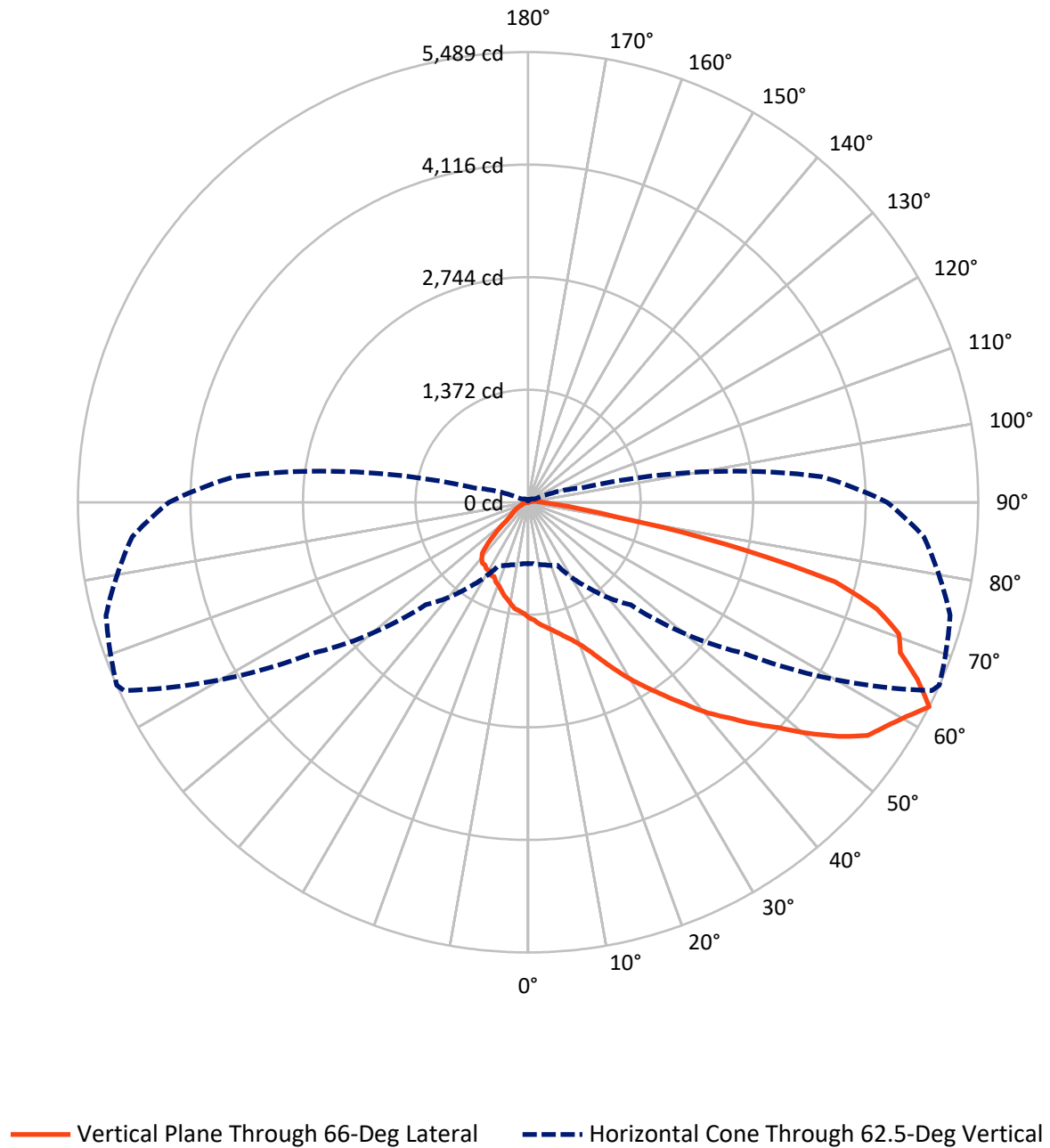


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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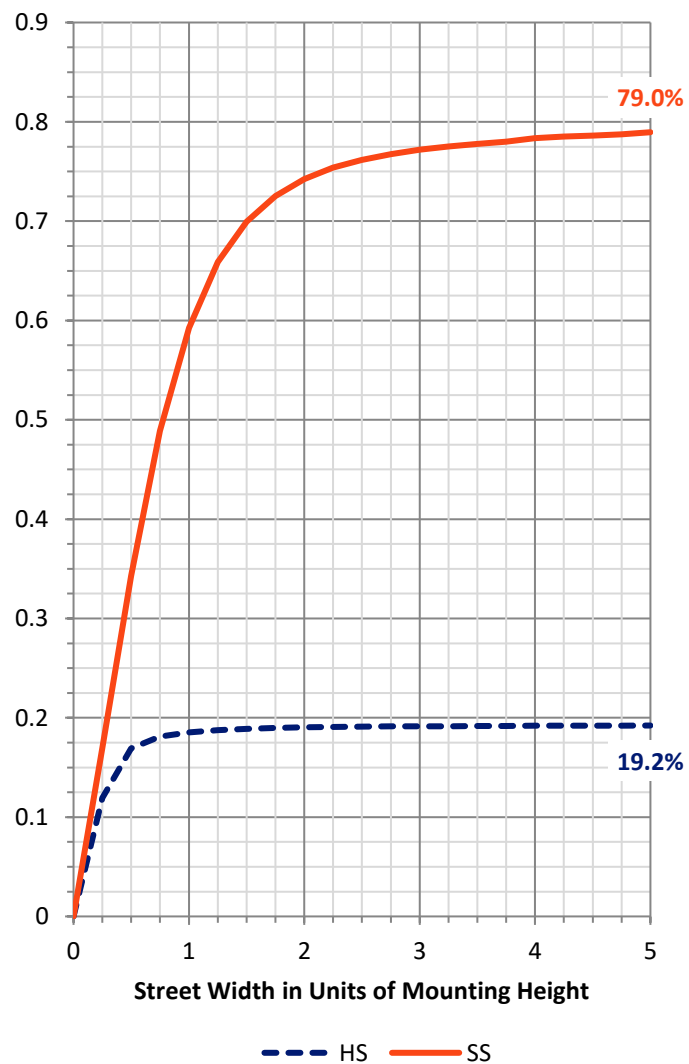
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1520.4	21.5	1541.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6196.7	59.5	6256.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	7717.1	80.9	7798.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.7
10°-20°	392.4	5.0
20°-30°	660.2	8.5
30°-40°	981.8	12.6
40°-50°	1299.0	16.7
50°-60°	1512.5	19.4
60°-70°	1510.0	19.4
70°-80°	1013.3	13.0
80°-90°	214.1	2.7
90°-100°	65.2	0.8
100°-110°	11.4	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°	7717.1	99.0
0°-180°	7798.0	100.0

Coefficient of Utilization



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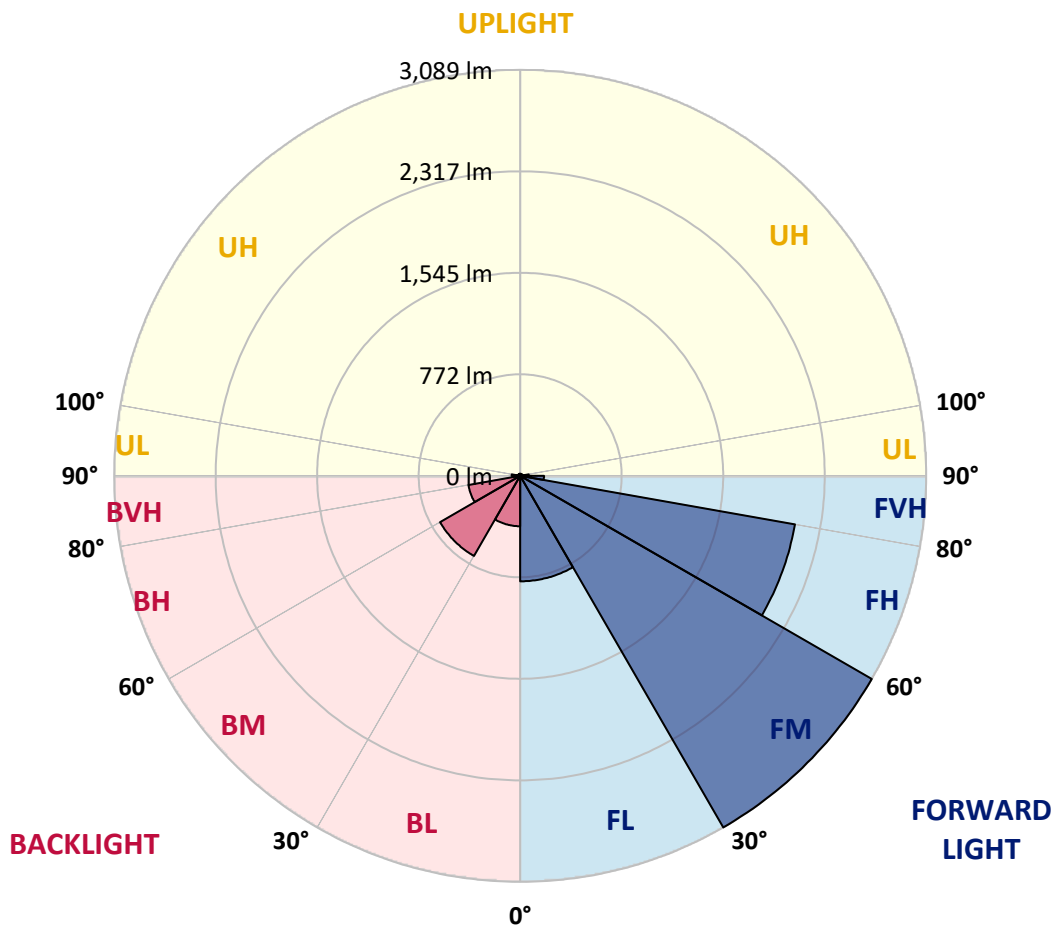
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	802.8	10.3			
FM	(30°-60°)	3089.3	39.6			
FH	(60°-80°)	2123.4	27.2			G2/5000
FVH	(80°-90°)	181.2	2.3			G2/225
BL	(0°-30°)	383.6	4.9	B1/500		
BM	(30°-60°)	704.0	9.0	B1/1000		
BH	(60°-80°)	399.8	5.1	B1/500		G1/500
BVH	(80°-90°)	32.9	0.4			G1/100
UL	(90°-100°)	65.2	0.8		U3/500	
UH	(100°-180°)	15.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9
2.5°	1503.9	1495.3	1498.2	1483.8	1469.4	1460.7	1452.1	1437.7	1437.7	1426.1	1411.7
5°	1610.5	1613.4	1610.5	1593.3	1576.0	1550.0	1518.3	1492.4	1492.4	1466.5	1431.9
7.5°	1682.6	1679.7	1679.7	1659.5	1648.0	1633.6	1596.1	1538.5	1535.6	1501.1	1457.8
10°	1711.4	1714.3	1725.8	1697.0	1685.4	1665.3	1645.1	1587.5	1581.7	1524.1	1455.0
12.5°	1774.8	1777.6	1771.9	1748.8	1734.4	1720.0	1688.3	1639.3	1633.6	1570.2	1475.1
15°	1849.7	1849.7	1841.0	1818.0	1809.3	1789.2	1751.7	1705.6	1699.9	1627.8	1512.6
17.5°	1890.0	1895.8	1895.8	1864.1	1867.0	1858.3	1838.1	1777.6	1769.0	1702.7	1564.4
20°	1910.2	1913.1	1918.8	1918.8	1915.9	1913.1	1924.6	1869.8	1864.1	1786.3	1624.9
22.5°	1967.8	1973.6	1988.0	1979.3	1988.0	1999.5	2002.4	1999.5	1990.8	1907.3	1725.8
25°	1993.7	2011.0	2031.2	2057.1	2083.0	2100.3	2140.7	2160.8	2155.1	2074.4	1884.2
27.5°	1964.9	1982.2	2054.2	2103.2	2183.9	2232.9	2307.8	2339.5	2336.6	2270.3	2048.5
30°	2013.9	2019.7	2051.3	2120.5	2224.2	2359.6	2463.3	2512.3	2523.8	2463.3	2221.3
32.5°	1941.9	1962.0	2051.3	2181.0	2336.6	2480.6	2581.5	2691.0	2705.4	2679.4	2448.9
35°	1936.1	1950.5	1999.5	2140.7	2339.5	2607.4	2745.7	2895.5	2907.0	2915.7	2679.4
37.5°	1855.4	1875.6	1973.6	2152.2	2425.9	2691.0	2884.0	3100.1	3128.9	3163.5	2872.5
40°	1766.1	1780.5	1864.1	2054.2	2405.7	2788.9	3016.5	3347.8	3376.7	3419.9	3128.9
42.5°	1633.6	1665.3	1806.5	2011.0	2394.2	2817.7	3149.0	3566.8	3592.7	3653.2	3345.0
45°	1515.5	1529.9	1639.3	1864.1	2302.0	2869.6	3261.4	3823.2	3849.2	3878.0	3514.9
47.5°	1423.3	1440.6	1544.3	1745.9	2209.8	2858.1	3365.1	4076.8	4105.6	4171.8	3725.3
50°	1129.4	1172.6	1434.8	1630.7	2057.1	2835.0	3454.4	4359.1	4425.4	4451.3	3944.2
52.5°	970.9	985.3	1120.7	1527.0	1907.3	2751.5	3532.2	4667.4	4742.3	4693.3	4238.1
55°	904.7	913.3	979.6	1322.4	1771.9	2581.5	3595.6	4964.1	5018.9	4863.3	4454.2
57.5°	855.7	870.1	898.9	1071.8	1613.4	2296.2	3598.5	5128.4	5148.5	5004.5	4557.9
60°	792.3	798.1	858.6	933.5	1434.8	1999.5	3500.5	5211.9	5301.2	5168.7	4768.2
62.5°	746.2	752.0	789.4	849.9	1264.8	1766.1	3212.4	5433.8	5488.5	5327.2	4846.0
65°	688.6	697.2	728.9	789.4	1146.7	1624.9	3068.4	5376.1	5217.7	5289.7	4935.3
67.5°	628.1	633.8	668.4	714.5	976.7	1489.5	2711.1	5010.2	4895.0	5102.4	4696.2
70°	564.7	570.5	602.2	633.8	803.8	1322.4	2258.8	4699.1	4797.0	4808.6	4471.5
72.5°	498.4	504.2	533.0	558.9	665.5	1112.1	1794.9	4387.9	4448.4	4272.7	3950.0
75°	432.2	435.0	458.1	484.0	553.2	896.0	1285.0	3638.8	3869.3	4082.5	3408.3
77.5°	348.6	354.4	377.4	386.1	443.7	723.2	832.6	2163.7	2466.2	3572.6	3059.7
80°	256.4	259.3	282.3	279.5	331.3	527.2	524.4	1028.6	1106.3	2206.9	2247.3
82.5°	170.0	175.7	195.9	190.2	224.7	319.8	328.4	553.2	590.6	855.7	985.3
85°	135.4	138.3	149.8	138.3	149.8	161.3	181.5	334.2	340.0	507.1	504.2
87.5°	109.5	112.4	123.9	115.2	118.1	123.9	144.1	213.2	219.0	319.8	331.3
90°	86.4	89.3	103.7	95.1	95.1	103.7	121.0	158.5	167.1	250.7	270.8
92.5°	57.6	57.6	66.3	63.4	63.4	74.9	106.6	118.1	126.8	233.4	244.9
95°	43.2	43.2	46.1	46.1	46.1	54.7	80.7	112.4	123.9	227.6	221.8
97.5°	28.8	28.8	31.7	31.7	31.7	34.6	46.1	92.2	103.7	184.4	181.5
100°	20.2	20.2	20.2	17.3	17.3	17.3	25.9	60.5	69.1	118.1	118.1
102.5°	14.4	11.5	11.5	11.5	8.6	8.6	11.5	28.8	31.7	63.4	60.5
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.5	11.5	25.9	25.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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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	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9
155°	0.0	0.0	0.0	0.0	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	2.9
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	2.9
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9	1408.9
2.5°	1403.1	1394.5	1374.3	1357.0	1342.6	1328.2	1305.1	1296.5	1290.7	1299.4	1299.4
5°	1411.7	1388.7	1354.1	1325.3	1299.4	1267.7	1233.1	1212.9	1195.7	1204.3	1204.3
7.5°	1426.1	1394.5	1351.2	1302.3	1236.0	1181.3	1138.0	1112.1	1097.7	1106.3	1112.1
10°	1417.5	1382.9	1325.3	1250.4	1172.6	1115.0	1060.2	1019.9	1005.5	999.7	1005.5
12.5°	1426.1	1385.8	1287.9	1198.5	1123.6	1031.4	965.2	922.0	904.7	904.7	904.7
15°	1455.0	1394.5	1264.8	1161.1	1045.8	956.5	887.4	841.3	835.5	815.4	815.4
17.5°	1495.3	1403.1	1256.2	1103.5	976.7	884.5	803.8	757.7	743.3	746.2	746.2
20°	1535.6	1420.4	1238.9	1054.5	913.3	803.8	720.3	677.1	642.5	631.0	636.7
22.5°	1604.8	1469.4	1224.5	1028.6	841.3	737.6	645.4	573.3	515.7	498.4	489.8
25°	1705.6	1547.2	1244.6	968.1	798.1	662.7	553.2	452.3	383.2	365.9	363.0
27.5°	1890.0	1668.2	1267.7	968.1	728.9	596.4	440.8	334.2	279.5	262.2	267.9
30°	2062.9	1832.4	1334.0	916.2	700.1	478.3	328.4	250.7	201.7	181.5	187.3
32.5°	2206.9	1988.0	1426.1	904.7	616.6	354.4	239.1	175.7	141.2	129.6	132.5
35°	2414.4	2120.5	1498.2	864.3	507.1	259.3	167.1	123.9	109.5	103.7	103.7
37.5°	2613.2	2281.8	1570.2	855.7	374.5	190.2	112.4	100.8	98.0	89.3	89.3
40°	2803.3	2446.1	1601.9	806.7	265.1	123.9	95.1	92.2	89.3	80.7	80.7
42.5°	3036.7	2604.5	1630.7	743.3	184.4	92.2	83.6	86.4	83.6	74.9	72.0
45°	3215.3	2711.1	1639.3	582.0	118.1	86.4	77.8	80.7	77.8	69.1	69.1
47.5°	3365.1	2855.2	1604.8	397.6	98.0	80.7	72.0	74.9	72.0	66.3	63.4
50°	3517.8	2987.7	1573.1	213.2	92.2	77.8	69.1	63.4	66.3	60.5	57.6
52.5°	3725.3	3085.7	1489.5	129.6	86.4	72.0	63.4	57.6	57.6	51.9	54.7
55°	4010.5	3327.7	1334.0	121.0	83.6	69.1	60.5	51.9	51.9	46.1	46.1
57.5°	4137.3	3422.8	1083.3	109.5	80.7	69.1	54.7	46.1	40.3	37.5	34.6
60°	4292.8	3563.9	852.8	100.8	74.9	66.3	49.0	40.3	31.7	28.8	28.8
62.5°	4379.3	3592.7	665.5	92.2	72.0	57.6	43.2	31.7	25.9	20.2	20.2
65°	4422.5	3572.6	443.7	83.6	66.3	54.7	37.5	25.9	17.3	14.4	14.4
67.5°	4258.3	3466.0	256.4	77.8	63.4	49.0	31.7	20.2	14.4	11.5	8.6
70°	3978.8	3154.8	161.3	69.1	60.5	43.2	28.8	17.3	11.5	8.6	5.8
72.5°	3650.4	2575.7	118.1	63.4	57.6	37.5	23.0	14.4	8.6	5.8	5.8
75°	3333.4	2244.4	100.8	54.7	49.0	31.7	20.2	11.5	8.6	5.8	2.9
77.5°	2385.6	1529.9	89.3	49.0	43.2	25.9	14.4	11.5	5.8	2.9	2.9
80°	1694.1	898.9	80.7	40.3	34.6	20.2	14.4	8.6	5.8	2.9	2.9
82.5°	812.5	466.7	77.8	34.6	25.9	17.3	11.5	8.6	5.8	2.9	2.9
85°	368.8	198.8	57.6	31.7	23.0	17.3	11.5	8.6	5.8	5.8	2.9
87.5°	224.7	103.7	46.1	25.9	17.3	14.4	8.6	5.8	5.8	5.8	5.8
90°	210.3	135.4	34.6	20.2	14.4	11.5	8.6	2.9	0.0	0.0	0.0
92.5°	201.7	155.6	25.9	14.4	8.6	8.6	2.9	0.0	0.0	0.0	0.0
95°	190.2	146.9	28.8	8.6	14.4	5.8	2.9	0.0	0.0	0.0	0.0
97.5°	149.8	115.2	31.7	8.6	72.0	5.8	2.9	0.0	0.0	0.0	0.0
100°	95.1	72.0	23.0	8.6	86.4	5.8	0.0	0.0	0.0	0.0	0.0
102.5°	54.7	40.3	11.5	8.6	25.9	2.9	0.0	0.0	0.0	0.0	0.0
105°	23.0	20.2	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	5.8	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: P690836

CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7040-HSS-CRTK2

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	2.9	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	5.8	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	2.9	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	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)