

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: P690894

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5409 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - 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



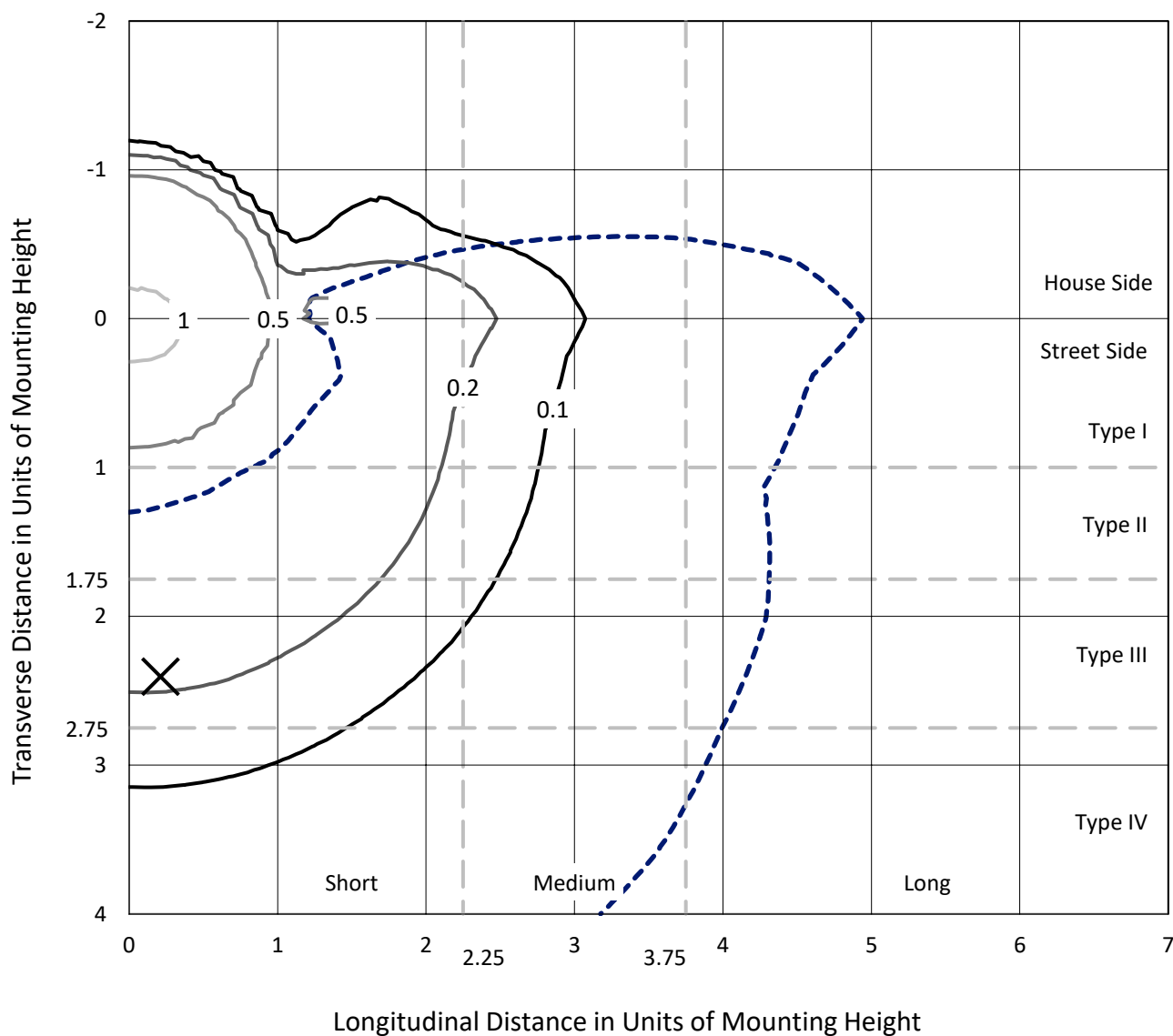
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



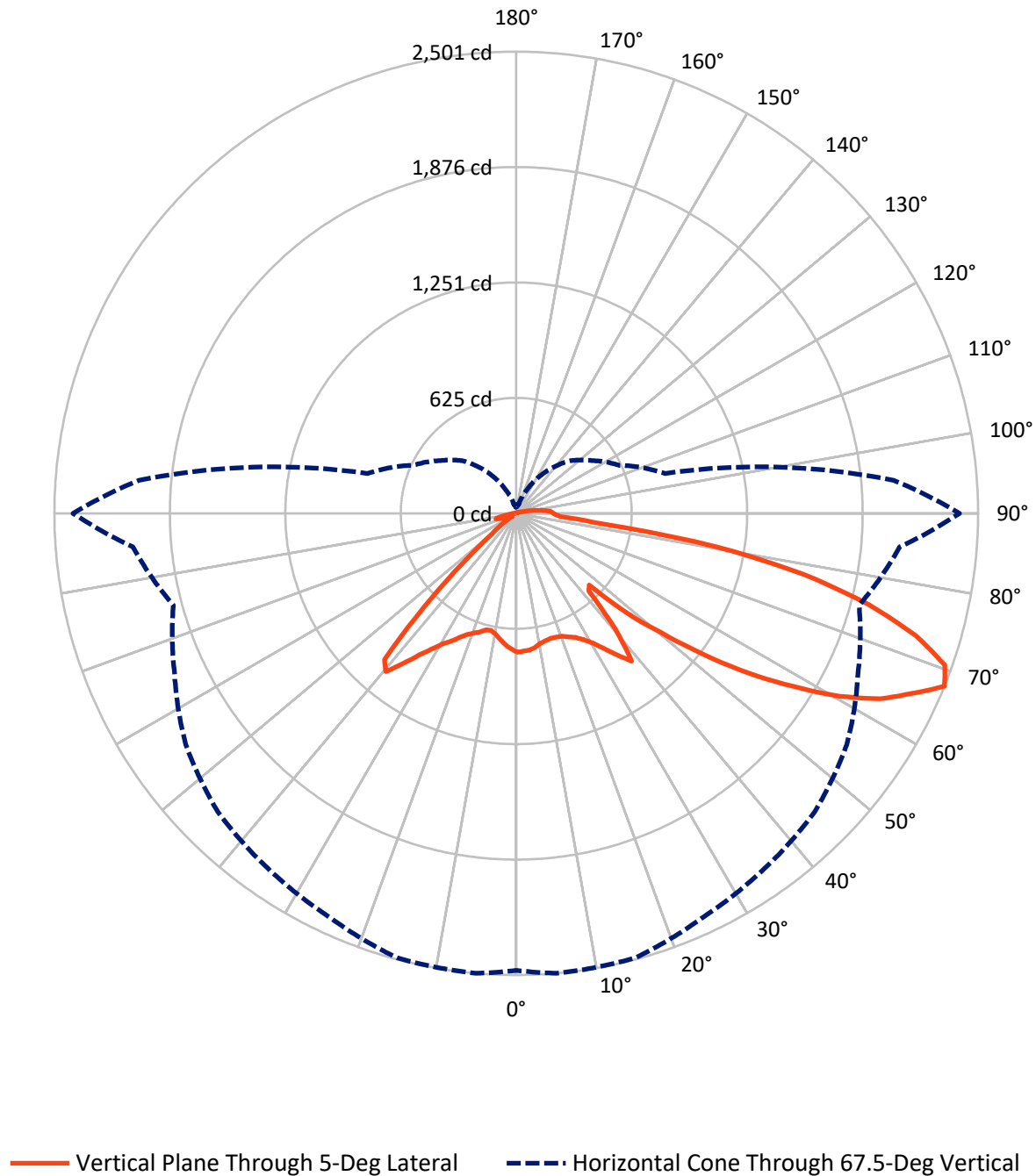
Based on 25 foot mounting height. Maximum calculated value = 1.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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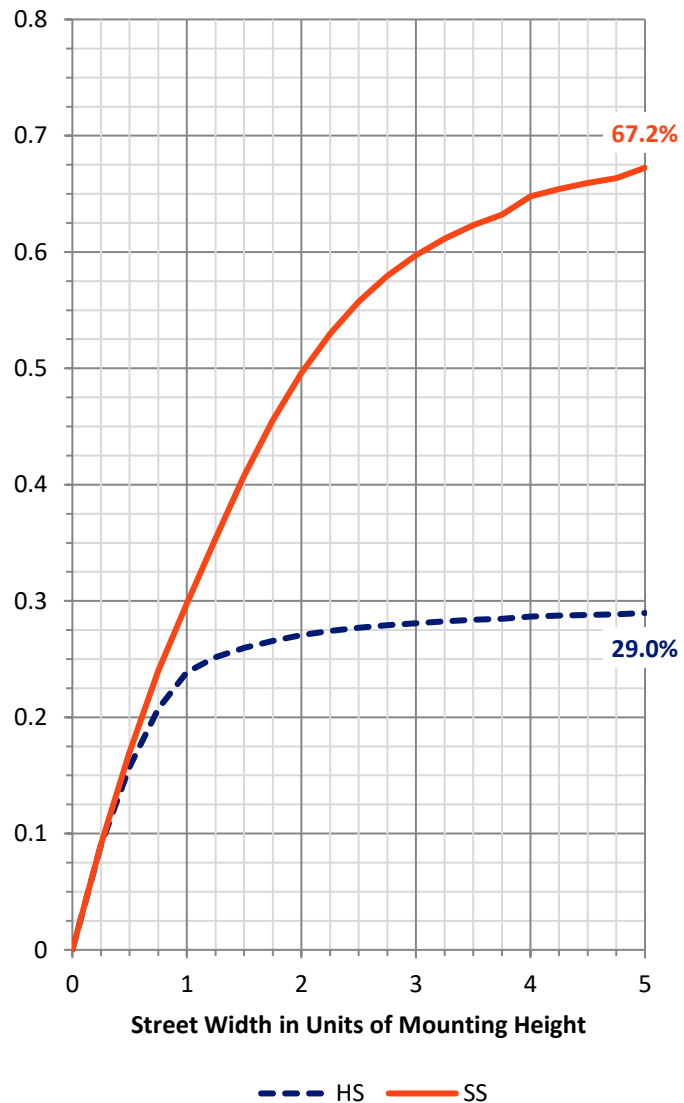
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1585.2	23.8	1609.1
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3706.8	93.1	3800.0
	% Fixture	68.5	1.7	70.3
Total	Lumens	5292.0	117.0	5409.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	1.3
10°-20°	200.7	3.7
20°-30°	356.5	6.6
30°-40°	596.2	11.0
40°-50°	544.5	10.1
50°-60°	808.2	14.9
60°-70°	1325.9	24.5
70°-80°	1138.0	21.0
80°-90°	252.4	4.7
90°-100°	85.2	1.6
100°-110°	21.0	0.4
110°-120°	6.7	0.1
120°-130°	3.8	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5292.0	97.8
0°-180°	5409.0	100.0

Coefficient of Utilization



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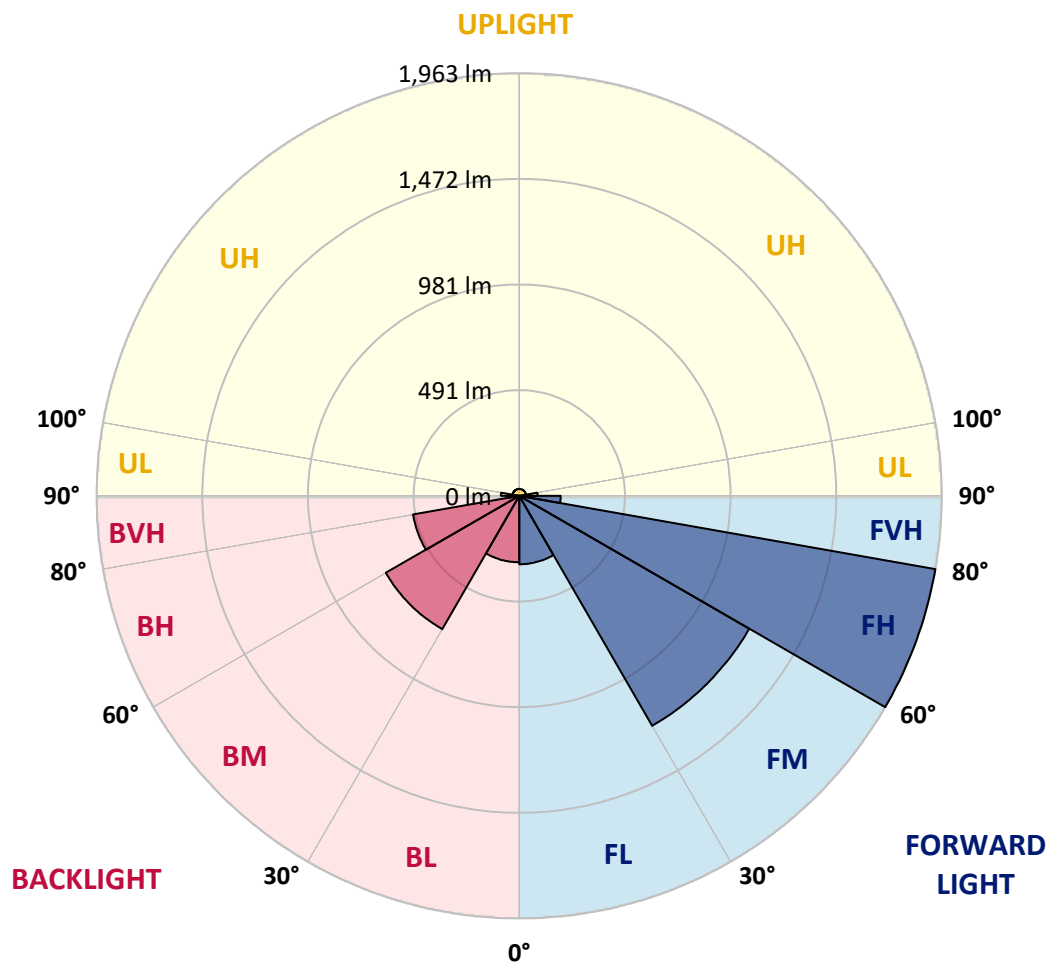
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.9	5.9			
FM	(30°-60°)	1233.6	22.8			
FH	(60°-80°)	1962.8	36.3			G2/5000
FVH	(80°-90°)	192.5	3.6			G2/225
BL	(0°-30°)	308.8	5.7	B1/500		
BM	(30°-60°)	715.4	13.2	B1/1000		
BH	(60°-80°)	501.1	9.3	B2/1000		G2/1000
BVH	(80°-90°)	60.0	1.1			G1/100
UL	(90°-100°)	85.2	1.6		U3/500	
UH	(100°-180°)	31.8	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6
2.5°	747.0	747.0	747.0	749.8	752.6	749.8	747.0	744.2	741.4	744.2	744.2
5°	744.2	744.2	747.0	747.0	749.8	752.6	749.8	747.0	744.2	744.2	744.2
7.5°	730.2	733.0	733.0	735.8	738.6	744.2	744.2	738.6	738.6	738.6	738.6
10°	716.2	716.2	719.0	721.8	724.6	730.2	730.2	724.6	727.4	730.2	730.2
12.5°	707.8	707.8	710.6	716.2	719.0	721.8	724.6	724.6	727.4	724.6	727.4
15°	702.2	702.2	702.2	710.6	719.0	721.8	727.4	730.2	733.0	733.0	733.0
17.5°	705.0	705.0	705.0	716.2	721.8	730.2	735.8	738.6	738.6	741.4	741.4
20°	710.6	710.6	713.4	721.8	733.0	741.4	747.0	749.8	749.8	755.4	755.4
22.5°	721.8	727.4	724.6	733.0	741.4	752.6	761.0	766.5	766.5	772.1	772.1
25°	747.0	744.2	747.0	755.4	763.7	772.1	777.7	786.1	788.9	794.5	794.5
27.5°	774.9	774.9	774.9	783.3	788.9	797.3	802.9	808.5	814.1	822.5	825.3
30°	816.9	814.1	811.3	819.7	825.3	833.7	839.3	842.1	842.1	847.7	853.3
32.5°	872.9	872.9	872.9	878.5	881.2	889.6	892.4	895.2	892.4	900.8	903.6
35°	942.8	942.8	945.6	951.2	959.6	965.2	968.0	965.2	968.0	973.6	979.2
37.5°	1012.7	1015.5	1023.9	1032.3	1037.9	1049.1	1057.5	1057.5	1060.3	1077.1	1077.1
40°	819.7	828.1	836.5	856.1	881.2	914.8	970.8	993.2	1057.5	1091.1	1099.5
42.5°	556.7	576.3	598.7	623.9	643.5	646.2	699.4	730.2	794.5	856.1	872.9
45°	531.5	553.9	576.3	559.5	573.5	528.7	581.9	587.5	618.3	665.8	791.7
47.5°	780.5	811.3	842.1	800.1	808.5	710.6	730.2	707.8	637.9	716.2	926.0
50°	1018.3	1015.5	1060.3	1040.7	1063.1	956.8	965.2	920.4	811.3	920.4	1219.8
52.5°	1247.7	1270.1	1317.7	1312.1	1328.9	1191.8	1166.6	1127.4	956.8	1124.6	1477.1
55°	1513.5	1530.3	1575.1	1561.1	1552.7	1415.6	1370.8	1331.7	1166.6	1384.8	1751.3
57.5°	1762.5	1770.9	1824.0	1776.5	1748.5	1645.0	1583.4	1519.1	1356.8	1622.6	1941.5
60°	2000.3	2011.5	2042.3	1977.9	1933.2	1852.0	1776.5	1706.5	1555.5	1835.2	2117.8
62.5°	2224.1	2212.9	2226.9	2145.8	2115.0	2042.3	1961.1	1874.4	1742.9	2003.1	2288.4
65°	2352.8	2352.8	2369.6	2266.1	2218.5	2173.7	2084.2	1983.5	1863.2	2084.2	2394.8
67.5°	2475.9	2501.1	2492.7	2408.7	2347.2	2285.7	2184.9	2042.3	1922.0	2084.2	2400.4
70°	2431.1	2461.9	2428.3	2361.2	2299.6	2226.9	2134.6	1994.7	1860.4	1983.5	2271.7
72.5°	2238.1	2260.5	2246.5	2187.7	2112.2	2064.6	1966.7	1860.4	1703.7	1810.1	2061.8
75°	1975.1	1969.5	1994.7	1927.6	1863.2	1818.4	1723.3	1656.2	1510.7	1589.0	1829.6
77.5°	1591.8	1594.6	1647.8	1572.3	1521.9	1491.1	1404.4	1348.4	1217.0	1286.9	1471.5
80°	1068.7	1099.5	1149.8	1068.7	1060.3	1018.3	945.6	909.2	808.5	842.1	940.0
82.5°	444.8	458.8	475.6	450.4	442.0	428.0	397.3	386.1	346.9	363.7	363.7
85°	249.0	246.2	254.6	254.6	249.0	237.8	226.6	207.0	190.2	187.4	173.5
87.5°	209.8	212.6	218.2	218.2	207.0	198.6	184.6	170.7	156.7	148.3	134.3
90°	195.8	198.6	201.4	193.0	181.8	173.5	162.3	151.1	139.9	134.3	120.3
92.5°	187.4	187.4	187.4	176.2	165.1	156.7	148.3	137.1	128.7	123.1	111.9
95°	156.7	153.9	151.1	145.5	134.3	125.9	120.3	109.1	103.5	97.9	92.3
97.5°	117.5	114.7	111.9	109.1	97.9	92.3	89.5	83.9	78.3	69.9	67.1
100°	83.9	81.1	81.1	78.3	72.7	67.1	64.3	58.7	53.2	47.6	44.8
102.5°	56.0	53.2	53.2	50.4	47.6	44.8	39.2	36.4	30.8	28.0	25.2
105°	30.8	30.8	30.8	28.0	28.0	25.2	22.4	19.6	16.8	16.8	14.0
107.5°	22.4	22.4	22.4	22.4	19.6	19.6	16.8	14.0	14.0	11.2	11.2
110°	16.8	16.8	16.8	16.8	16.8	14.0	14.0	11.2	11.2	8.4	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	14.0	14.0	14.0	14.0	11.2	11.2	8.4	8.4	8.4
115°	14.0	14.0	14.0	14.0	11.2	11.2	8.4	8.4	8.4	8.4	5.6
117.5°	11.2	11.2	11.2	11.2	11.2	8.4	8.4	8.4	8.4	5.6	8.4
120°	11.2	11.2	11.2	11.2	8.4	8.4	8.4	5.6	5.6	5.6	5.6
122.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6
125°	8.4	8.4	8.4	8.4	8.4	5.6	5.6	5.6	5.6	5.6	5.6
127.5°	8.4	8.4	5.6	8.4	5.6	5.6	5.6	5.6	5.6	2.8	5.6
130°	8.4	8.4	5.6	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6
2.5°	747.0	747.0	749.8	747.0	747.0	741.4	738.6	735.8	735.8	735.8
5°	744.2	744.2	741.4	735.8	733.0	727.4	721.8	719.0	716.2	719.0
7.5°	738.6	733.0	727.4	716.2	707.8	705.0	693.8	691.0	691.0	691.0
10°	727.4	721.8	707.8	693.8	688.2	679.8	671.4	663.0	665.8	668.6
12.5°	724.6	710.6	699.4	685.4	677.0	663.0	660.2	651.8	649.0	649.0
15°	727.4	716.2	702.2	691.0	679.8	674.2	663.0	660.2	651.8	657.4
17.5°	738.6	721.8	710.6	699.4	688.2	682.6	674.2	668.6	671.4	671.4
20°	749.8	733.0	721.8	713.4	702.2	693.8	691.0	685.4	688.2	682.6
22.5°	766.5	749.8	741.4	730.2	721.8	716.2	710.6	713.4	707.8	710.6
25°	788.9	774.9	763.7	755.4	747.0	741.4	741.4	741.4	738.6	741.4
27.5°	819.7	805.7	797.3	791.7	783.3	777.7	772.1	774.9	777.7	774.9
30°	847.7	830.9	828.1	822.5	816.9	814.1	814.1	814.1	814.1	819.7
32.5°	892.4	875.7	870.1	870.1	864.5	861.7	858.9	864.5	867.3	864.5
35°	962.4	940.0	934.4	931.6	928.8	928.8	931.6	931.6	931.6	931.6
37.5°	1049.1	1018.3	1012.7	1009.9	1009.9	1009.9	1007.1	1009.9	1018.3	1021.1
40°	1088.3	1068.7	1077.1	1091.1	1099.5	1099.5	1096.7	1102.3	1110.7	1110.7
42.5°	881.2	839.3	870.1	926.0	962.4	1007.1	1015.5	1043.5	1065.9	1065.9
45°	716.2	542.7	553.9	590.3	607.1	646.2	668.6	693.8	707.8	688.2
47.5°	805.7	349.7	288.2	299.3	257.4	310.5	346.9	386.1	394.5	402.9
50°	1264.5	360.9	243.4	176.2	117.5	156.7	165.1	187.4	181.8	184.6
52.5°	1535.9	414.0	243.4	156.7	97.9	103.5	95.1	106.3	111.9	123.1
55°	1723.3	498.0	316.1	198.6	114.7	69.9	47.6	36.4	33.6	33.6
57.5°	1812.9	609.9	411.2	282.6	179.0	97.9	42.0	30.8	28.0	25.2
60°	1896.8	730.2	520.4	386.1	282.6	173.5	78.3	30.8	25.2	25.2
62.5°	1972.3	850.5	629.5	500.8	397.3	271.4	145.5	53.2	28.0	28.0
65°	2033.9	875.7	637.9	542.7	428.0	318.9	190.2	64.3	30.8	30.8
67.5°	2050.7	833.7	615.5	498.0	400.1	271.4	148.3	53.2	36.4	33.6
70°	1938.7	791.7	618.3	472.8	360.9	240.6	97.9	61.5	47.6	44.8
72.5°	1754.1	733.0	587.5	458.8	346.9	243.4	114.7	100.7	89.5	83.9
75°	1544.3	663.0	542.7	439.2	335.7	235.0	134.3	125.9	114.7	111.9
77.5°	1239.3	551.1	456.0	372.1	282.6	187.4	111.9	106.3	92.3	92.3
80°	814.1	411.2	344.1	285.4	215.4	131.5	83.9	75.5	67.1	64.3
82.5°	332.9	240.6	207.0	179.0	139.9	83.9	56.0	47.6	39.2	36.4
85°	162.3	120.3	103.5	83.9	69.9	47.6	36.4	30.8	22.4	22.4
87.5°	131.5	95.1	78.3	64.3	47.6	33.6	25.2	19.6	14.0	11.2
90°	120.3	83.9	67.1	53.2	39.2	28.0	16.8	14.0	8.4	5.6
92.5°	109.1	72.7	58.7	42.0	30.8	22.4	11.2	8.4	5.6	5.6
95°	89.5	56.0	44.8	33.6	25.2	16.8	11.2	5.6	2.8	2.8
97.5°	64.3	42.0	33.6	25.2	19.6	11.2	8.4	5.6	2.8	2.8
100°	44.8	28.0	25.2	19.6	14.0	8.4	5.6	2.8	2.8	2.8
102.5°	22.4	16.8	16.8	14.0	11.2	8.4	2.8	2.8	0.0	0.0
105°	14.0	11.2	11.2	8.4	5.6	5.6	2.8	2.8	0.0	0.0
107.5°	8.4	8.4	8.4	5.6	5.6	2.8	2.8	0.0	0.0	0.0
110°	8.4	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0



REPORT NUMBER: P690894

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0
115°	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
117.5°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)