

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: P691644

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691644  
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-C018-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K 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: 5158 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U3 - G2  
  
Input Watts (W): 53.7  
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

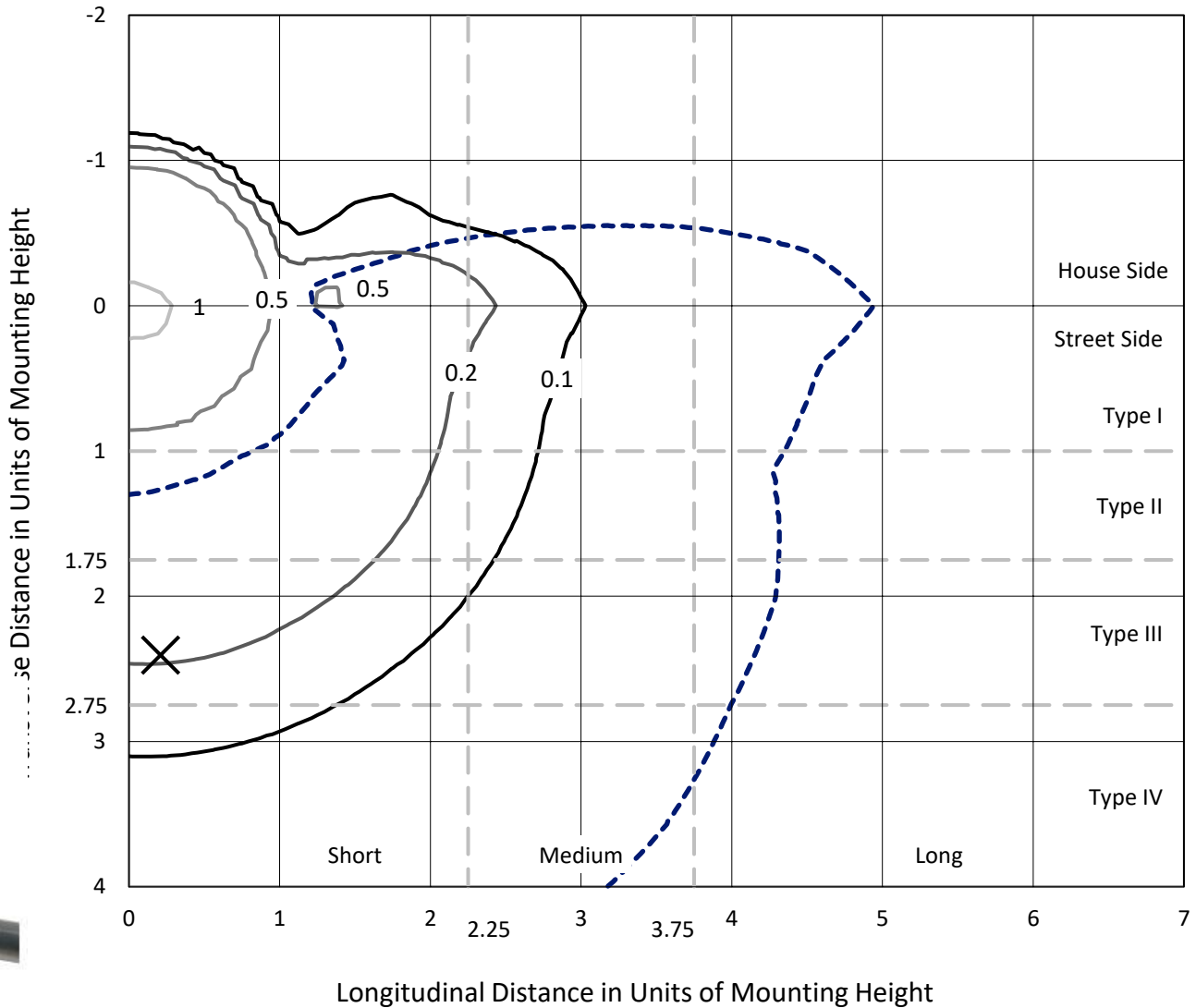


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

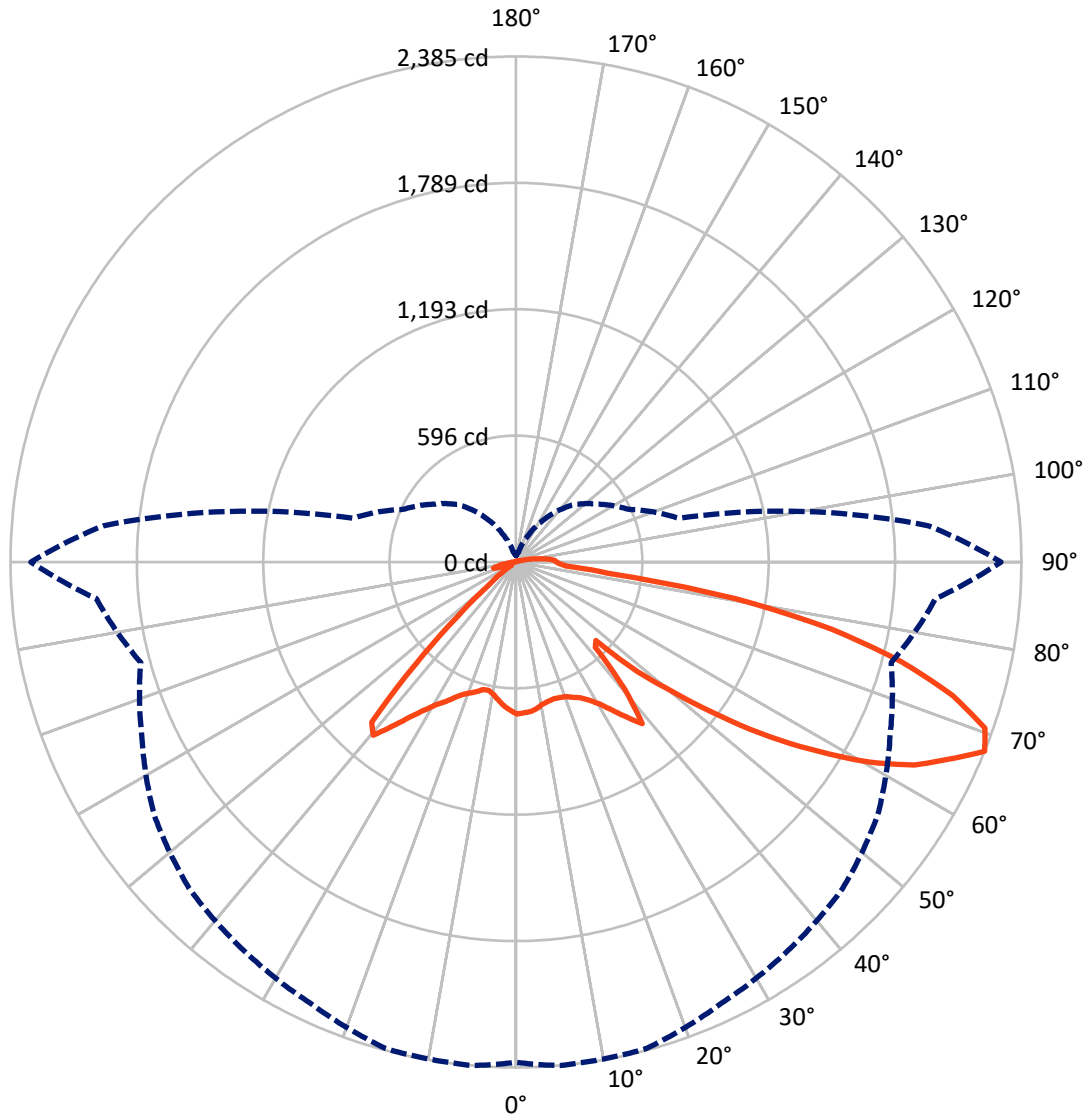


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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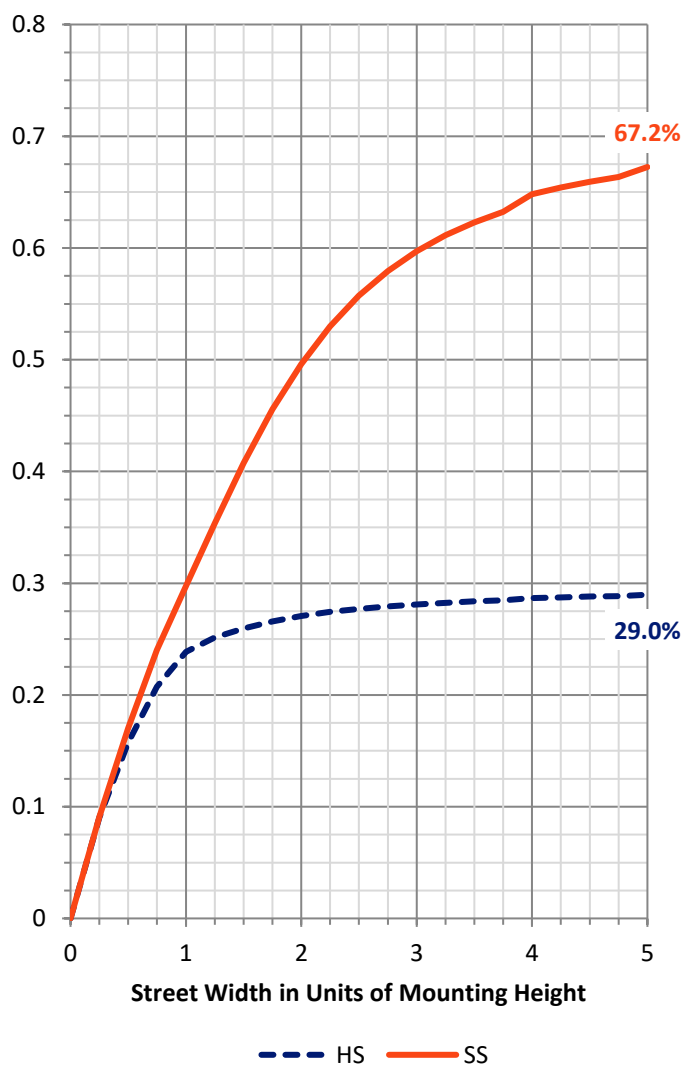
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1511.7	22.7	1534.4
	% Fixture	29.3	0.4	29.7
<b>Street Side</b>	Lumens	3534.8	88.8	3623.6
	% Fixture	68.5	1.7	70.3
<b>Total</b>	Lumens	5046.5	111.5	5158.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	1.3
10°-20°	191.4	3.7
20°-30°	340.0	6.6
30°-40°	568.6	11.0
40°-50°	519.2	10.1
50°-60°	770.7	14.9
60°-70°	1264.4	24.5
70°-80°	1085.2	21.0
80°-90°	240.7	4.7
90°-100°	81.2	1.6
100°-110°	20.0	0.4
110°-120°	6.4	0.1
120°-130°	3.6	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°	5046.5	97.8
0°-180°	5158.0	100.0

**Coefficient of Utilization**



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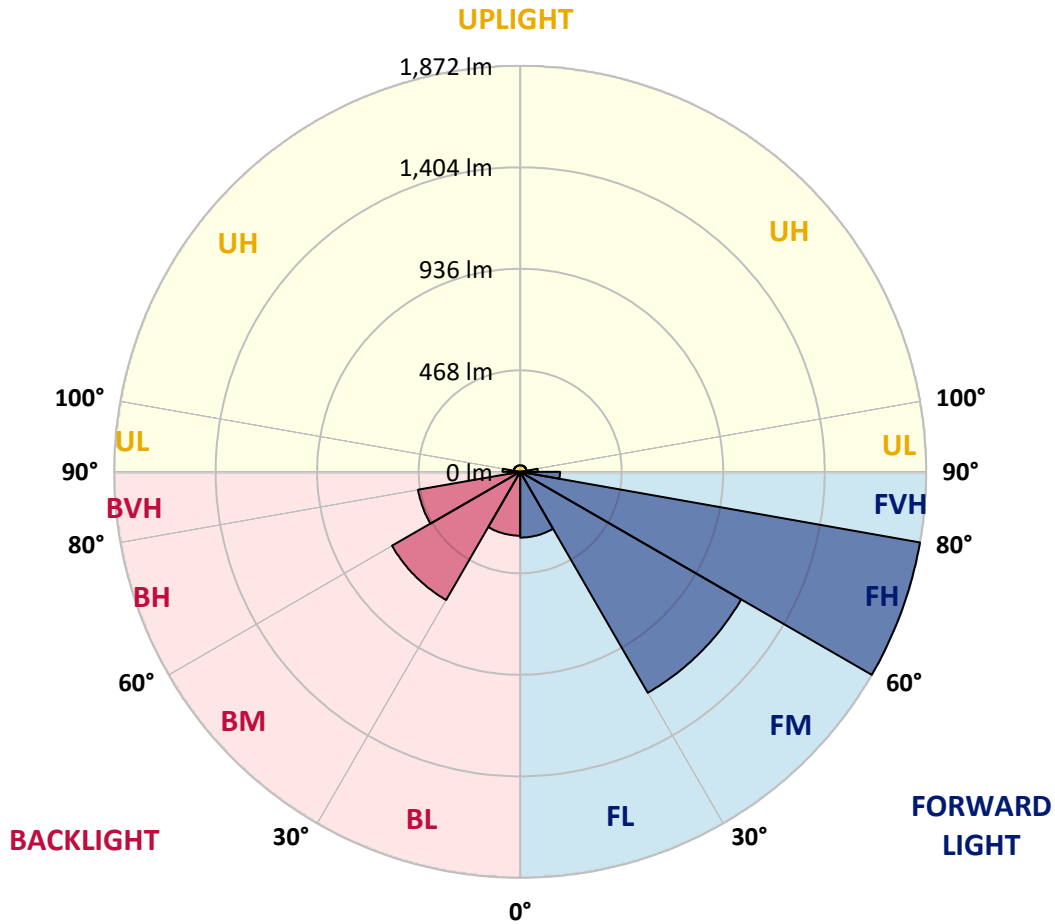
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.2	5.9			
FM (30°-60°)	1176.4	22.8			
FH (60°-80°)	1871.8	36.3			G2/5000
FVH (80°-90°)	183.5	3.6			G2/225
BL (0°-30°)	294.5	5.7	B1/500		
BM (30°-60°)	682.2	13.2	B1/1000		
BH (60°-80°)	477.8	9.3	B1/500		G1/500
BVH (80°-90°)	57.2	1.1			G1/100
UL (90°-100°)	81.2	1.6		U3/500	
UH (100°-180°)	30.3	0.6		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	712.3	712.3	712.3	715.0	717.6	715.0	712.3	709.6	707.0	709.6	709.6
5°	709.6	709.6	712.3	712.3	715.0	717.6	715.0	712.3	709.6	709.6	709.6
7.5°	696.3	699.0	699.0	701.6	704.3	709.6	709.6	704.3	704.3	704.3	704.3
10°	683.0	683.0	685.6	688.3	691.0	696.3	696.3	691.0	693.6	696.3	696.3
12.5°	675.0	675.0	677.6	683.0	685.6	688.3	691.0	691.0	693.6	691.0	693.6
15°	669.6	669.6	669.6	677.6	685.6	688.3	693.6	696.3	699.0	699.0	699.0
17.5°	672.3	672.3	672.3	683.0	688.3	696.3	701.6	704.3	704.3	707.0	707.0
20°	677.6	677.6	680.3	688.3	699.0	707.0	712.3	715.0	715.0	720.3	720.3
22.5°	688.3	693.6	691.0	699.0	707.0	717.6	725.6	731.0	731.0	736.3	736.3
25°	712.3	709.6	712.3	720.3	728.3	736.3	741.6	749.6	752.3	757.7	757.7
27.5°	739.0	739.0	739.0	747.0	752.3	760.3	765.7	771.0	776.3	784.3	787.0
30°	779.0	776.3	773.7	781.7	787.0	795.0	800.3	803.0	803.0	808.3	813.7
32.5°	832.4	832.4	832.4	837.7	840.4	848.4	851.0	853.7	851.0	859.0	861.7
35°	899.0	899.0	901.7	907.0	915.1	920.4	923.1	920.4	923.1	928.4	933.7
37.5°	965.7	968.4	976.4	984.4	989.8	1000.4	1008.4	1008.4	1011.1	1027.1	1027.1
40°	781.7	789.7	797.7	816.3	840.4	872.4	925.7	947.1	1008.4	1040.4	1048.4
42.5°	530.9	549.6	570.9	594.9	613.6	616.3	666.9	696.3	757.7	816.3	832.4
45°	506.9	528.2	549.6	533.6	546.9	504.2	554.9	560.2	589.6	634.9	755.0
47.5°	744.3	773.7	803.0	763.0	771.0	677.6	696.3	675.0	608.3	683.0	883.0
50°	971.1	968.4	1011.1	992.4	1013.8	912.4	920.4	877.7	773.7	877.7	1163.2
52.5°	1189.8	1211.2	1256.5	1251.2	1267.2	1136.5	1112.5	1075.1	912.4	1072.5	1408.6
55°	1443.3	1459.3	1502.0	1488.6	1480.6	1349.9	1307.2	1269.9	1112.5	1320.6	1670.0
57.5°	1680.7	1688.7	1739.4	1694.0	1667.4	1568.7	1510.0	1448.6	1293.9	1547.3	1851.4
60°	1907.5	1918.1	1947.5	1886.1	1843.4	1766.1	1694.0	1627.4	1483.3	1750.1	2019.5
62.5°	2120.9	2110.2	2123.6	2046.2	2016.9	1947.5	1870.1	1787.4	1662.0	1910.1	2182.3
65°	2243.6	2243.6	2259.6	2160.9	2115.6	2072.9	1987.5	1891.5	1776.8	1987.5	2283.6
67.5°	2361.0	2385.0	2377.0	2297.0	2238.3	2179.6	2083.5	1947.5	1832.8	1987.5	2289.0
70°	2318.3	2347.7	2315.6	2251.6	2192.9	2123.6	2035.5	1902.1	1774.1	1891.5	2166.2
72.5°	2134.2	2155.6	2142.2	2086.2	2014.2	1968.8	1875.5	1774.1	1624.7	1726.1	1966.2
75°	1883.5	1878.1	1902.1	1838.1	1776.8	1734.1	1643.4	1579.3	1440.6	1515.3	1744.7
77.5°	1518.0	1520.6	1571.3	1499.3	1451.3	1421.9	1339.2	1285.9	1160.5	1227.2	1403.3
80°	1019.1	1048.4	1096.5	1019.1	1011.1	971.1	901.7	867.0	771.0	803.0	896.4
82.5°	424.2	437.5	453.5	429.5	421.5	408.2	378.8	368.2	330.8	346.8	346.8
85°	237.4	234.8	242.8	242.8	237.4	226.8	216.1	197.4	181.4	178.7	165.4
87.5°	200.1	202.8	208.1	208.1	197.4	189.4	176.1	162.7	149.4	141.4	128.1
90°	186.7	189.4	192.1	184.1	173.4	165.4	154.7	144.1	133.4	128.1	114.7
92.5°	178.7	178.7	178.7	168.1	157.4	149.4	141.4	130.7	122.7	117.4	106.7
95°	149.4	146.7	144.1	138.7	128.1	120.1	114.7	104.0	98.7	93.4	88.0
97.5°	112.0	109.4	106.7	104.0	93.4	88.0	85.4	80.0	74.7	66.7	64.0
100°	80.0	77.4	77.4	74.7	69.4	64.0	61.4	56.0	50.7	45.4	42.7
102.5°	53.4	50.7	50.7	48.0	45.4	42.7	37.3	34.7	29.3	26.7	24.0
105°	29.3	29.3	29.3	26.7	26.7	24.0	21.3	18.7	16.0	16.0	13.3
107.5°	21.3	21.3	21.3	21.3	18.7	18.7	16.0	13.3	13.3	10.7	10.7
110°	16.0	16.0	16.0	16.0	16.0	13.3	13.3	10.7	10.7	8.0	8.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.3	13.3	13.3	13.3	13.3	13.3	10.7	10.7	8.0	8.0	8.0
115°	13.3	13.3	13.3	13.3	10.7	10.7	8.0	8.0	8.0	8.0	5.3
117.5°	10.7	10.7	10.7	10.7	10.7	8.0	8.0	8.0	8.0	5.3	8.0
120°	10.7	10.7	10.7	10.7	8.0	8.0	8.0	5.3	5.3	5.3	5.3
122.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	5.3	5.3	5.3	5.3
125°	8.0	8.0	8.0	8.0	8.0	5.3	5.3	5.3	5.3	5.3	5.3
127.5°	8.0	8.0	5.3	8.0	5.3	5.3	5.3	5.3	5.3	2.7	5.3
130°	8.0	8.0	5.3	5.3	5.3	5.3	5.3	5.3	2.7	2.7	2.7
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	712.3	712.3	715.0	712.3	712.3	707.0	704.3	701.6	701.6	701.6
5°	709.6	709.6	707.0	701.6	699.0	693.6	688.3	685.6	683.0	685.6
7.5°	704.3	699.0	693.6	683.0	675.0	672.3	661.6	658.9	658.9	658.9
10°	693.6	688.3	675.0	661.6	656.3	648.3	640.3	632.3	634.9	637.6
12.5°	691.0	677.6	666.9	653.6	645.6	632.3	629.6	621.6	618.9	618.9
15°	693.6	683.0	669.6	658.9	648.3	642.9	632.3	629.6	621.6	626.9
17.5°	704.3	688.3	677.6	666.9	656.3	650.9	642.9	637.6	640.3	640.3
20°	715.0	699.0	688.3	680.3	669.6	661.6	658.9	653.6	656.3	650.9
22.5°	731.0	715.0	707.0	696.3	688.3	683.0	677.6	680.3	675.0	677.6
25°	752.3	739.0	728.3	720.3	712.3	707.0	707.0	707.0	704.3	707.0
27.5°	781.7	768.3	760.3	755.0	747.0	741.6	736.3	739.0	741.6	739.0
30°	808.3	792.3	789.7	784.3	779.0	776.3	776.3	776.3	776.3	781.7
32.5°	851.0	835.0	829.7	829.7	824.3	821.7	819.0	824.3	827.0	824.3
35°	917.7	896.4	891.0	888.4	885.7	885.7	888.4	888.4	888.4	888.4
37.5°	1000.4	971.1	965.7	963.1	963.1	963.1	960.4	963.1	971.1	973.7
40°	1037.8	1019.1	1027.1	1040.4	1048.4	1048.4	1045.8	1051.1	1059.1	1059.1
42.5°	840.4	800.3	829.7	883.0	917.7	960.4	968.4	995.1	1016.4	1016.4
45°	683.0	517.6	528.2	562.9	578.9	616.3	637.6	661.6	675.0	656.3
47.5°	768.3	333.5	274.8	285.5	245.4	296.1	330.8	368.2	376.2	384.2
50°	1205.8	344.1	232.1	168.1	112.0	149.4	157.4	178.7	173.4	176.1
52.5°	1464.6	394.8	232.1	149.4	93.4	98.7	90.7	101.4	106.7	117.4
55°	1643.4	474.9	301.5	189.4	109.4	66.7	45.4	34.7	32.0	32.0
57.5°	1728.7	581.6	392.2	269.4	170.7	93.4	40.0	29.3	26.7	24.0
60°	1808.8	696.3	496.2	368.2	269.4	165.4	74.7	29.3	24.0	24.0
62.5°	1880.8	811.0	600.3	477.5	378.8	258.8	138.7	50.7	26.7	26.7
65°	1939.5	835.0	608.3	517.6	408.2	304.1	181.4	61.4	29.3	29.3
67.5°	1955.5	795.0	586.9	474.9	381.5	258.8	141.4	50.7	34.7	32.0
70°	1848.8	755.0	589.6	450.9	344.1	229.4	93.4	58.7	45.4	42.7
72.5°	1672.7	699.0	560.2	437.5	330.8	232.1	109.4	96.0	85.4	80.0
75°	1472.6	632.3	517.6	418.8	320.1	224.1	128.1	120.1	109.4	106.7
77.5°	1181.8	525.6	434.9	354.8	269.4	178.7	106.7	101.4	88.0	88.0
80°	776.3	392.2	328.1	272.1	205.4	125.4	80.0	72.0	64.0	61.4
82.5°	317.5	229.4	197.4	170.7	133.4	80.0	53.4	45.4	37.3	34.7
85°	154.7	114.7	98.7	80.0	66.7	45.4	34.7	29.3	21.3	21.3
87.5°	125.4	90.7	74.7	61.4	45.4	32.0	24.0	18.7	13.3	10.7
90°	114.7	80.0	64.0	50.7	37.3	26.7	16.0	13.3	8.0	5.3
92.5°	104.0	69.4	56.0	40.0	29.3	21.3	10.7	8.0	5.3	5.3
95°	85.4	53.4	42.7	32.0	24.0	16.0	10.7	5.3	2.7	2.7
97.5°	61.4	40.0	32.0	24.0	18.7	10.7	8.0	5.3	2.7	2.7
100°	42.7	26.7	24.0	18.7	13.3	8.0	5.3	2.7	2.7	2.7
102.5°	21.3	16.0	16.0	13.3	10.7	8.0	2.7	2.7	0.0	0.0
105°	13.3	10.7	10.7	8.0	5.3	5.3	2.7	2.7	0.0	0.0
107.5°	8.0	8.0	8.0	5.3	5.3	2.7	2.7	0.0	0.0	0.0
110°	8.0	5.3	5.3	5.3	2.7	2.7	2.7	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.3	5.3	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0
115°	5.3	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
117.5°	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
120°	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
122.5°	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
125°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
127.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.7	2.7	2.7	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)