

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: P691729

Luminaire Tested: **CRTK2-C018-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691729
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-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 4415 lumens
Efficiency: N/A
Efficacy: 87.6 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): 50.4
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

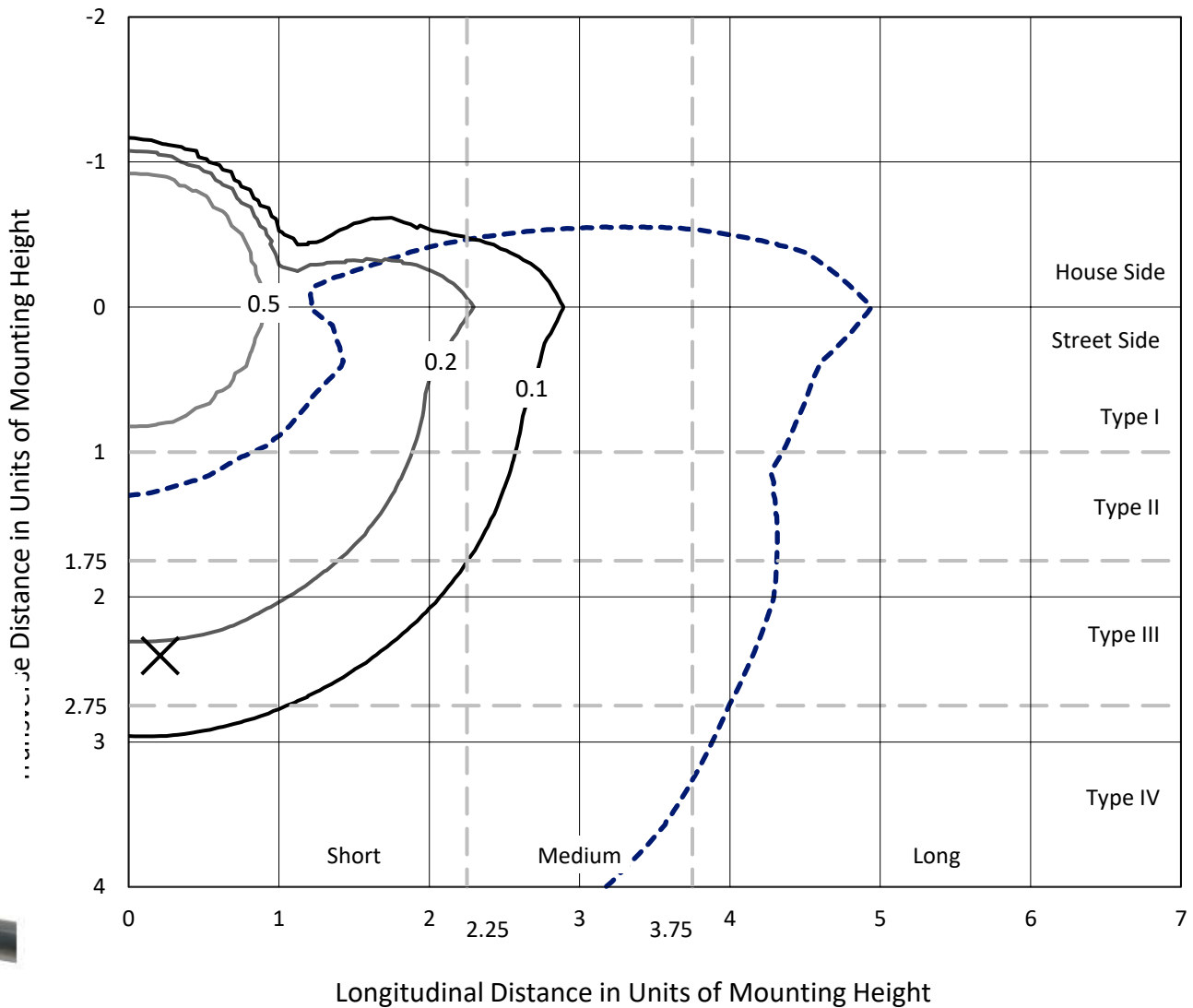


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

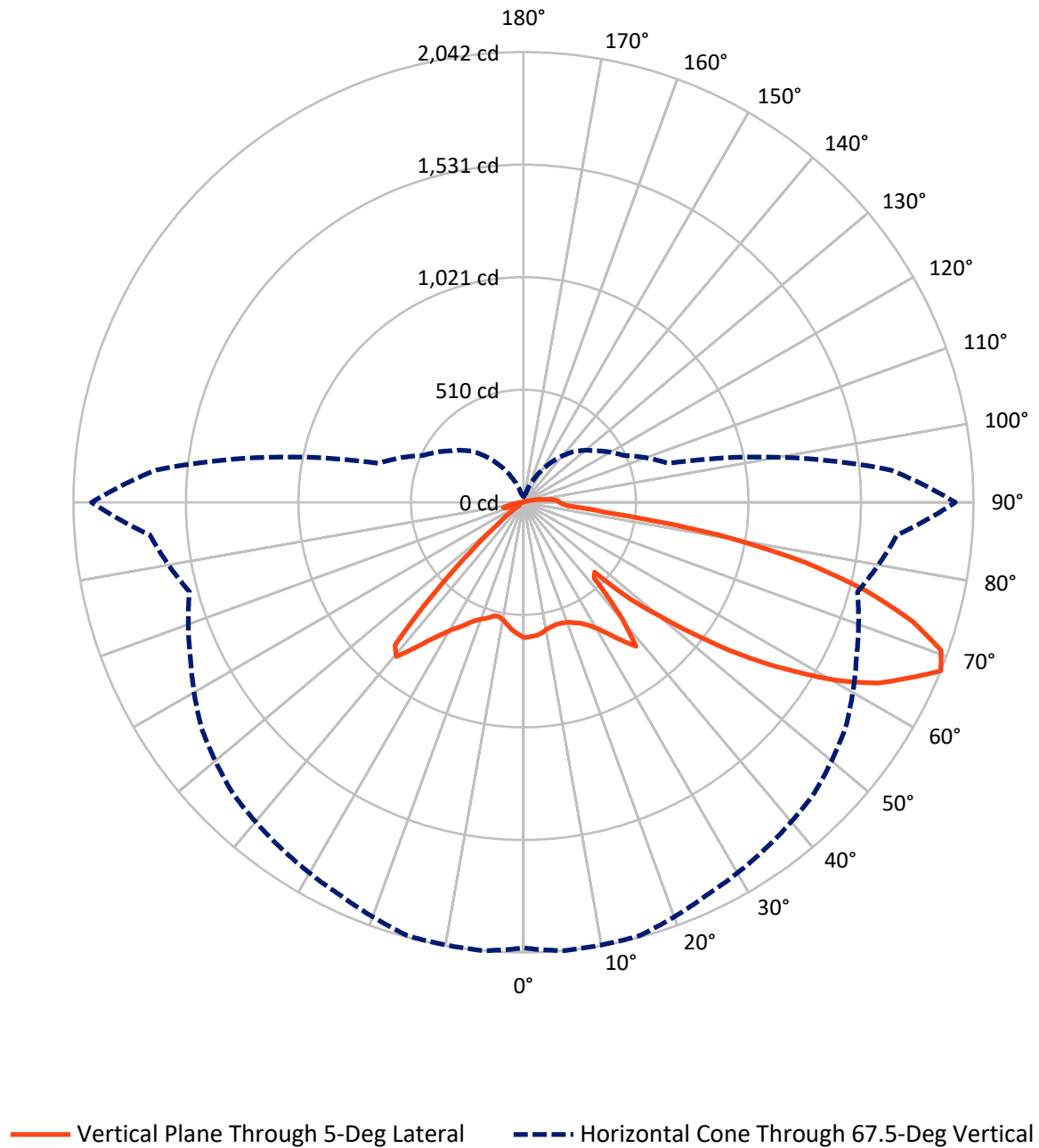


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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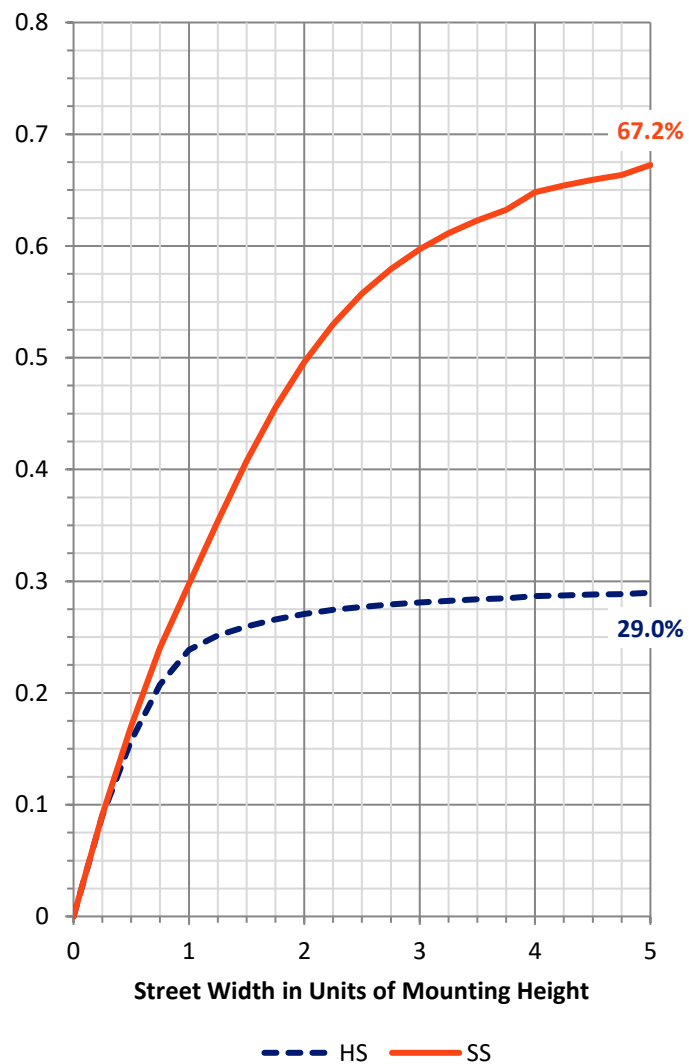
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1293.9	19.5	1313.4
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3025.6	76.0	3101.6
	% Fixture	68.5	1.7	70.3
Total	Lumens	4319.5	95.5	4415.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.3
10°-20°	163.8	3.7
20°-30°	291.0	6.6
30°-40°	486.7	11.0
40°-50°	444.4	10.1
50°-60°	659.7	14.9
60°-70°	1082.3	24.5
70°-80°	928.8	21.0
80°-90°	206.0	4.7
90°-100°	69.5	1.6
100°-110°	17.1	0.4
110°-120°	5.5	0.1
120°-130°	3.1	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°	4319.5	97.8
0°-180°	4415.0	100.0

Coefficient of Utilization



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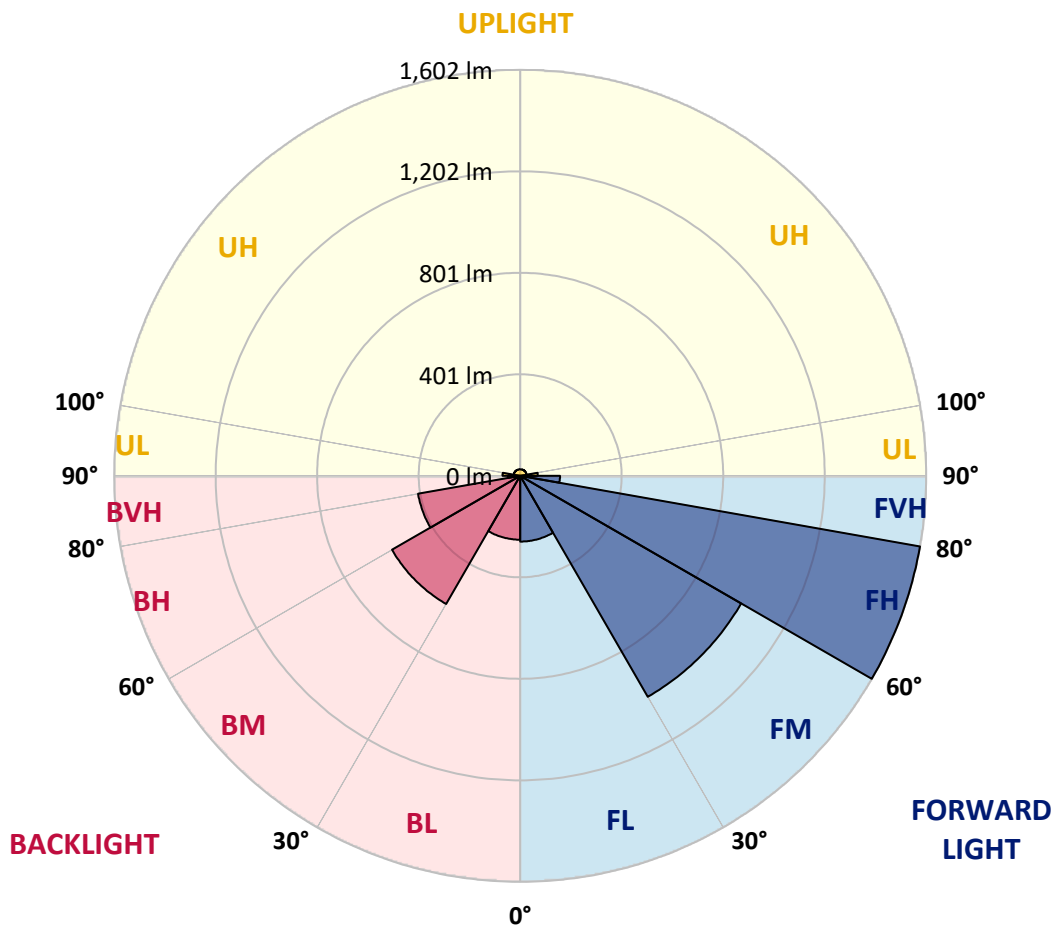
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.5	5.9			
FM	(30°-60°)	1006.9	22.8			
FH	(60°-80°)	1602.1	36.3			G1/1800
FVH	(80°-90°)	157.1	3.6			G2/225
BL	(0°-30°)	252.1	5.7	B1/500		
BM	(30°-60°)	583.9	13.2	B1/1000		
BH	(60°-80°)	409.0	9.3	B1/500		G1/500
BVH	(80°-90°)	48.9	1.1			G1/100
UL	(90°-100°)	69.5	1.6		U3/500	
UH	(100°-180°)	26.0	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°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
2.5°	609.7	609.7	609.7	612.0	614.3	612.0	609.7	607.4	605.1	607.4	607.4
5°	607.4	607.4	609.7	609.7	612.0	614.3	612.0	609.7	607.4	607.4	607.4
7.5°	596.0	598.3	598.3	600.6	602.8	607.4	607.4	602.8	602.8	602.8	602.8
10°	584.6	584.6	586.9	589.1	591.4	596.0	596.0	591.4	593.7	596.0	596.0
12.5°	577.7	577.7	580.0	584.6	586.9	589.1	591.4	591.4	593.7	591.4	593.7
15°	573.2	573.2	573.2	580.0	586.9	589.1	593.7	596.0	598.3	598.3	598.3
17.5°	575.4	575.4	575.4	584.6	589.1	596.0	600.6	602.8	602.8	605.1	605.1
20°	580.0	580.0	582.3	589.1	598.3	605.1	609.7	612.0	612.0	616.5	616.5
22.5°	589.1	593.7	591.4	598.3	605.1	614.3	621.1	625.7	625.7	630.2	630.2
25°	609.7	607.4	609.7	616.5	623.4	630.2	634.8	641.7	643.9	648.5	648.5
27.5°	632.5	632.5	632.5	639.4	643.9	650.8	655.4	659.9	664.5	671.3	673.6
30°	666.8	664.5	662.2	669.1	673.6	680.5	685.1	687.3	687.3	691.9	696.5
32.5°	712.5	712.5	712.5	717.0	719.3	726.2	728.4	730.7	728.4	735.3	737.6
35°	769.5	769.5	771.8	776.4	783.2	787.8	790.1	787.8	790.1	794.7	799.2
37.5°	826.6	828.9	835.8	842.6	847.2	856.3	863.2	863.2	865.4	879.1	879.1
40°	669.1	675.9	682.8	698.8	719.3	746.7	792.4	810.6	863.2	890.6	897.4
42.5°	454.4	470.4	488.7	509.2	525.2	527.5	570.9	596.0	648.5	698.8	712.5
45°	433.9	452.1	470.4	456.7	468.1	431.6	475.0	479.5	504.7	543.5	646.2
47.5°	637.1	662.2	687.3	653.1	659.9	580.0	596.0	577.7	520.6	584.6	755.8
50°	831.2	828.9	865.4	849.5	867.7	781.0	787.8	751.3	662.2	751.3	995.6
52.5°	1018.4	1036.7	1075.5	1071.0	1084.7	972.8	952.2	920.3	781.0	918.0	1205.7
55°	1235.4	1249.1	1285.6	1274.2	1267.3	1155.5	1118.9	1086.9	952.2	1130.3	1429.5
57.5°	1438.6	1445.5	1488.8	1450.0	1427.2	1342.7	1292.5	1239.9	1107.5	1324.4	1584.8
60°	1632.7	1641.8	1667.0	1614.4	1577.9	1511.7	1450.0	1392.9	1269.6	1498.0	1728.6
62.5°	1815.4	1806.3	1817.7	1751.4	1726.3	1667.0	1600.7	1529.9	1422.6	1635.0	1867.9
65°	1920.4	1920.4	1934.1	1849.6	1810.8	1774.3	1701.2	1619.0	1520.8	1701.2	1954.7
67.5°	2020.9	2041.5	2034.6	1966.1	1915.9	1865.6	1783.4	1667.0	1568.8	1701.2	1959.2
70°	1984.4	2009.5	1982.1	1927.3	1877.0	1817.7	1742.3	1628.1	1518.5	1619.0	1854.2
72.5°	1826.8	1845.1	1833.7	1785.7	1724.0	1685.2	1605.3	1518.5	1390.7	1477.4	1682.9
75°	1612.2	1607.6	1628.1	1573.3	1520.8	1484.3	1406.6	1351.8	1233.1	1297.0	1493.4
77.5°	1299.3	1301.6	1345.0	1283.3	1242.2	1217.1	1146.3	1100.6	993.3	1050.4	1201.1
80°	872.3	897.4	938.5	872.3	865.4	831.2	771.8	742.1	659.9	687.3	767.3
82.5°	363.1	374.5	388.2	367.6	360.8	349.4	324.3	315.1	283.2	296.9	296.9
85°	203.2	200.9	207.8	207.8	203.2	194.1	185.0	169.0	155.3	153.0	141.6
87.5°	171.3	173.5	178.1	178.1	169.0	162.1	150.7	139.3	127.9	121.0	109.6
90°	159.8	162.1	164.4	157.6	148.4	141.6	132.4	123.3	114.2	109.6	98.2
92.5°	153.0	153.0	153.0	143.9	134.7	127.9	121.0	111.9	105.0	100.5	91.3
95°	127.9	125.6	123.3	118.7	109.6	102.8	98.2	89.1	84.5	79.9	75.4
97.5°	95.9	93.6	91.3	89.1	79.9	75.4	73.1	68.5	63.9	57.1	54.8
100°	68.5	66.2	66.2	63.9	59.4	54.8	52.5	48.0	43.4	38.8	36.5
102.5°	45.7	43.4	43.4	41.1	38.8	36.5	32.0	29.7	25.1	22.8	20.6
105°	25.1	25.1	25.1	22.8	22.8	20.6	18.3	16.0	13.7	13.7	11.4
107.5°	18.3	18.3	18.3	18.3	16.0	16.0	13.7	11.4	11.4	9.1	9.1
110°	13.7	13.7	13.7	13.7	13.7	11.4	11.4	9.1	9.1	6.9	6.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.4	11.4	11.4	11.4	11.4	11.4	9.1	9.1	6.9	6.9	6.9
115°	11.4	11.4	11.4	11.4	9.1	9.1	6.9	6.9	6.9	6.9	4.6
117.5°	9.1	9.1	9.1	9.1	9.1	6.9	6.9	6.9	6.9	4.6	6.9
120°	9.1	9.1	9.1	9.1	6.9	6.9	6.9	4.6	4.6	4.6	4.6
122.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6
125°	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6
127.5°	6.9	6.9	4.6	6.9	4.6	4.6	4.6	4.6	4.6	2.3	4.6
130°	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3
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°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
2.5°	609.7	609.7	612.0	609.7	609.7	605.1	602.8	600.6	600.6	600.6
5°	607.4	607.4	605.1	600.6	598.3	593.7	589.1	586.9	584.6	586.9
7.5°	602.8	598.3	593.7	584.6	577.7	575.4	566.3	564.0	564.0	564.0
10°	593.7	589.1	577.7	566.3	561.7	554.9	548.0	541.2	543.5	545.8
12.5°	591.4	580.0	570.9	559.5	552.6	541.2	538.9	532.1	529.8	529.8
15°	593.7	584.6	573.2	564.0	554.9	550.3	541.2	538.9	532.1	536.6
17.5°	602.8	589.1	580.0	570.9	561.7	557.2	550.3	545.8	548.0	548.0
20°	612.0	598.3	589.1	582.3	573.2	566.3	564.0	559.5	561.7	557.2
22.5°	625.7	612.0	605.1	596.0	589.1	584.6	580.0	582.3	577.7	580.0
25°	643.9	632.5	623.4	616.5	609.7	605.1	605.1	605.1	602.8	605.1
27.5°	669.1	657.6	650.8	646.2	639.4	634.8	630.2	632.5	634.8	632.5
30°	691.9	678.2	675.9	671.3	666.8	664.5	664.5	664.5	664.5	669.1
32.5°	728.4	714.7	710.2	710.2	705.6	703.3	701.0	705.6	707.9	705.6
35°	785.5	767.3	762.7	760.4	758.1	758.1	760.4	760.4	760.4	760.4
37.5°	856.3	831.2	826.6	824.3	824.3	824.3	822.1	824.3	831.2	833.5
40°	888.3	872.3	879.1	890.6	897.4	897.4	895.1	899.7	906.6	906.6
42.5°	719.3	685.1	710.2	755.8	785.5	822.1	828.9	851.7	870.0	870.0
45°	584.6	443.0	452.1	481.8	495.5	527.5	545.8	566.3	577.7	561.7
47.5°	657.6	285.4	235.2	244.3	210.1	253.5	283.2	315.1	322.0	328.8
50°	1032.1	294.6	198.7	143.9	95.9	127.9	134.7	153.0	148.4	150.7
52.5°	1253.6	338.0	198.7	127.9	79.9	84.5	77.6	86.8	91.3	100.5
55°	1406.6	406.5	258.0	162.1	93.6	57.1	38.8	29.7	27.4	27.4
57.5°	1479.7	497.8	335.7	230.6	146.1	79.9	34.3	25.1	22.8	20.6
60°	1548.2	596.0	424.7	315.1	230.6	141.6	63.9	25.1	20.6	20.6
62.5°	1609.9	694.2	513.8	408.7	324.3	221.5	118.7	43.4	22.8	22.8
65°	1660.1	714.7	520.6	443.0	349.4	260.3	155.3	52.5	25.1	25.1
67.5°	1673.8	680.5	502.4	406.5	326.5	221.5	121.0	43.4	29.7	27.4
70°	1582.5	646.2	504.7	385.9	294.6	196.4	79.9	50.2	38.8	36.5
72.5°	1431.8	598.3	479.5	374.5	283.2	198.7	93.6	82.2	73.1	68.5
75°	1260.5	541.2	443.0	358.5	274.0	191.8	109.6	102.8	93.6	91.3
77.5°	1011.6	449.9	372.2	303.7	230.6	153.0	91.3	86.8	75.4	75.4
80°	664.5	335.7	280.9	232.9	175.8	107.3	68.5	61.7	54.8	52.5
82.5°	271.7	196.4	169.0	146.1	114.2	68.5	45.7	38.8	32.0	29.7
85°	132.4	98.2	84.5	68.5	57.1	38.8	29.7	25.1	18.3	18.3
87.5°	107.3	77.6	63.9	52.5	38.8	27.4	20.6	16.0	11.4	9.1
90°	98.2	68.5	54.8	43.4	32.0	22.8	13.7	11.4	6.9	4.6
92.5°	89.1	59.4	48.0	34.3	25.1	18.3	9.1	6.9	4.6	4.6
95°	73.1	45.7	36.5	27.4	20.6	13.7	9.1	4.6	2.3	2.3
97.5°	52.5	34.3	27.4	20.6	16.0	9.1	6.9	4.6	2.3	2.3
100°	36.5	22.8	20.6	16.0	11.4	6.9	4.6	2.3	2.3	2.3
102.5°	18.3	13.7	13.7	11.4	9.1	6.9	2.3	2.3	0.0	0.0
105°	11.4	9.1	9.1	6.9	4.6	4.6	2.3	2.3	0.0	0.0
107.5°	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0	0.0
110°	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
115°	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
117.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	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)