

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: P691630

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691630
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-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: 4952 lumens
Efficiency: N/A
Efficacy: 92.2 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

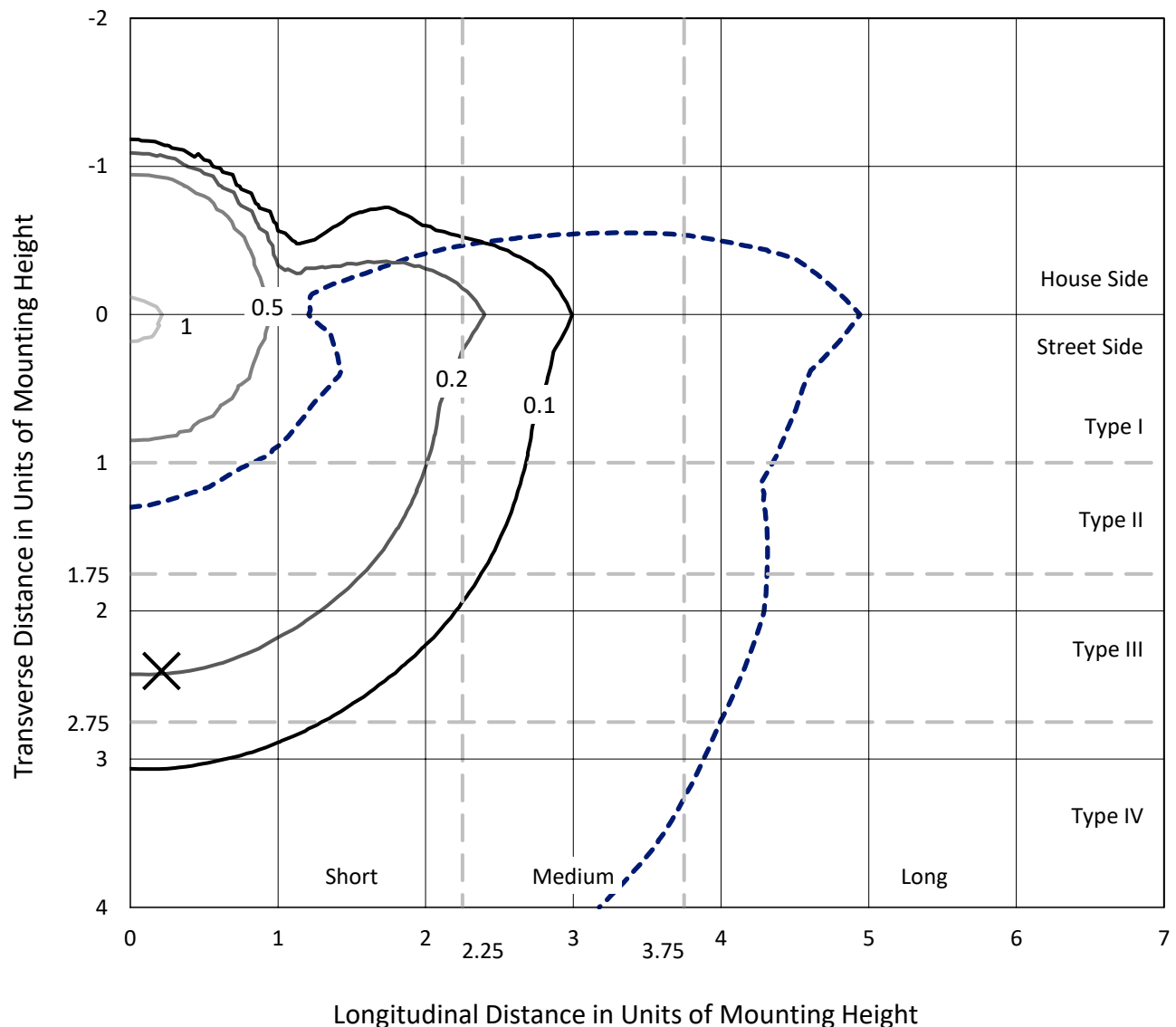


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

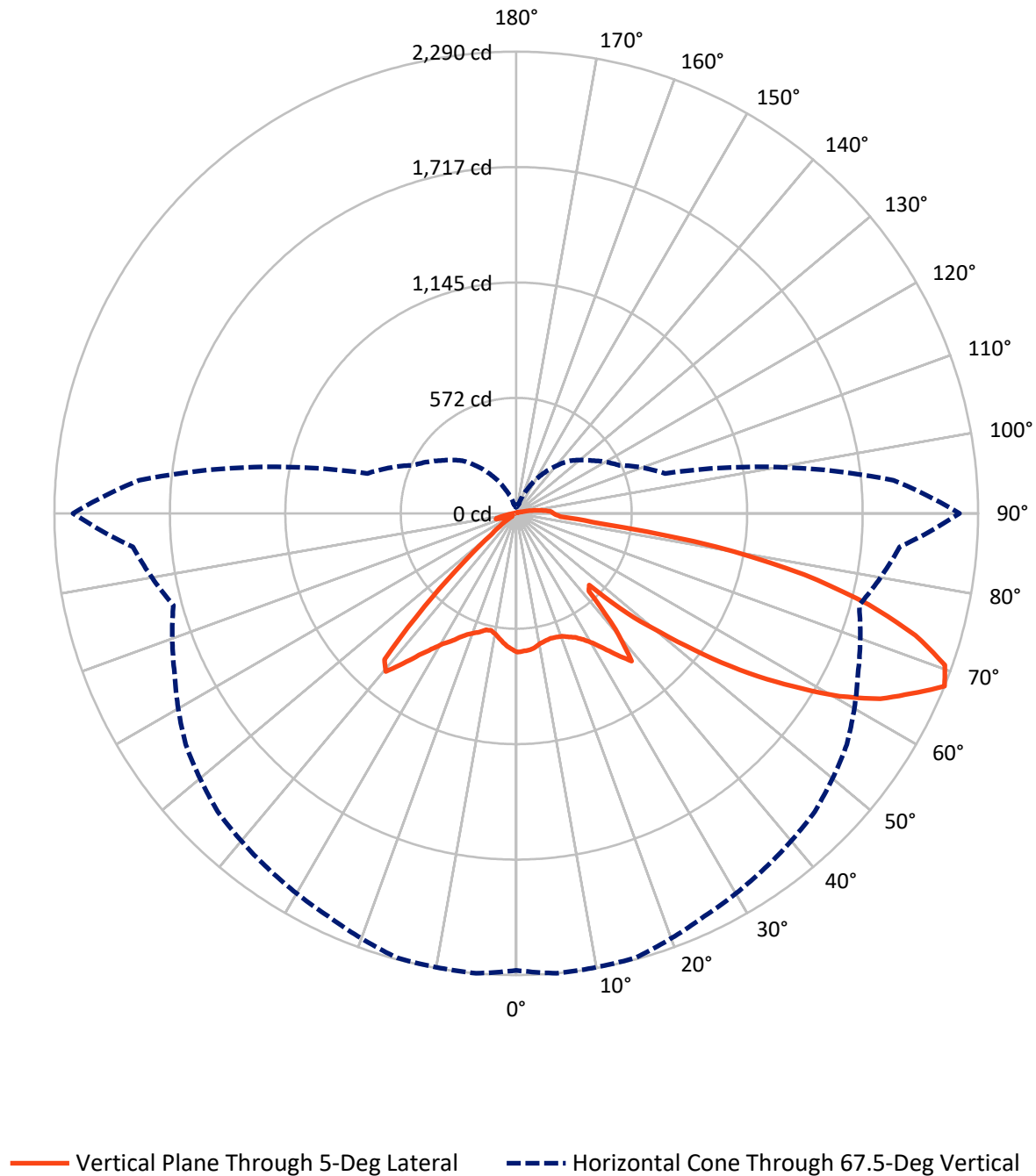


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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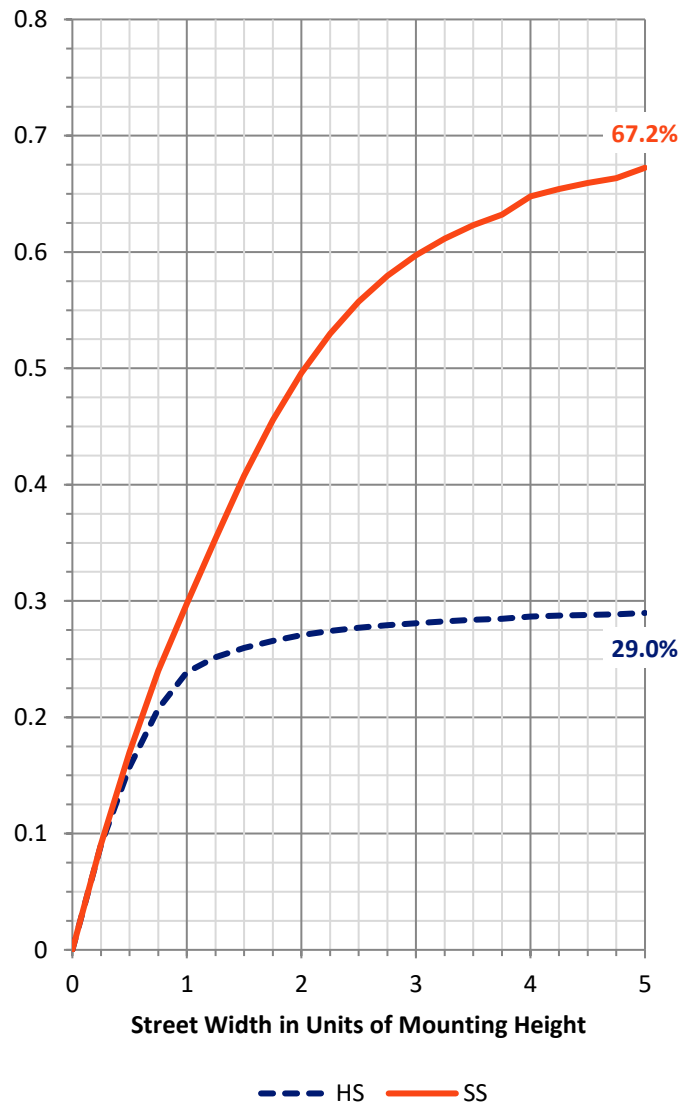
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1451.3	21.8	1473.1
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3393.6	85.3	3478.9
	% Fixture	68.5	1.7	70.3
Total	Lumens	4844.9	107.1	4952.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.3
10°-20°	183.7	3.7
20°-30°	326.4	6.6
30°-40°	545.9	11.0
40°-50°	498.5	10.1
50°-60°	740.0	14.9
60°-70°	1213.9	24.5
70°-80°	1041.8	21.0
80°-90°	231.1	4.7
90°-100°	78.0	1.6
100°-110°	19.2	0.4
110°-120°	6.2	0.1
120°-130°	3.4	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°	4844.9	97.8
0°-180°	4952.0	100.0

Coefficient of Utilization



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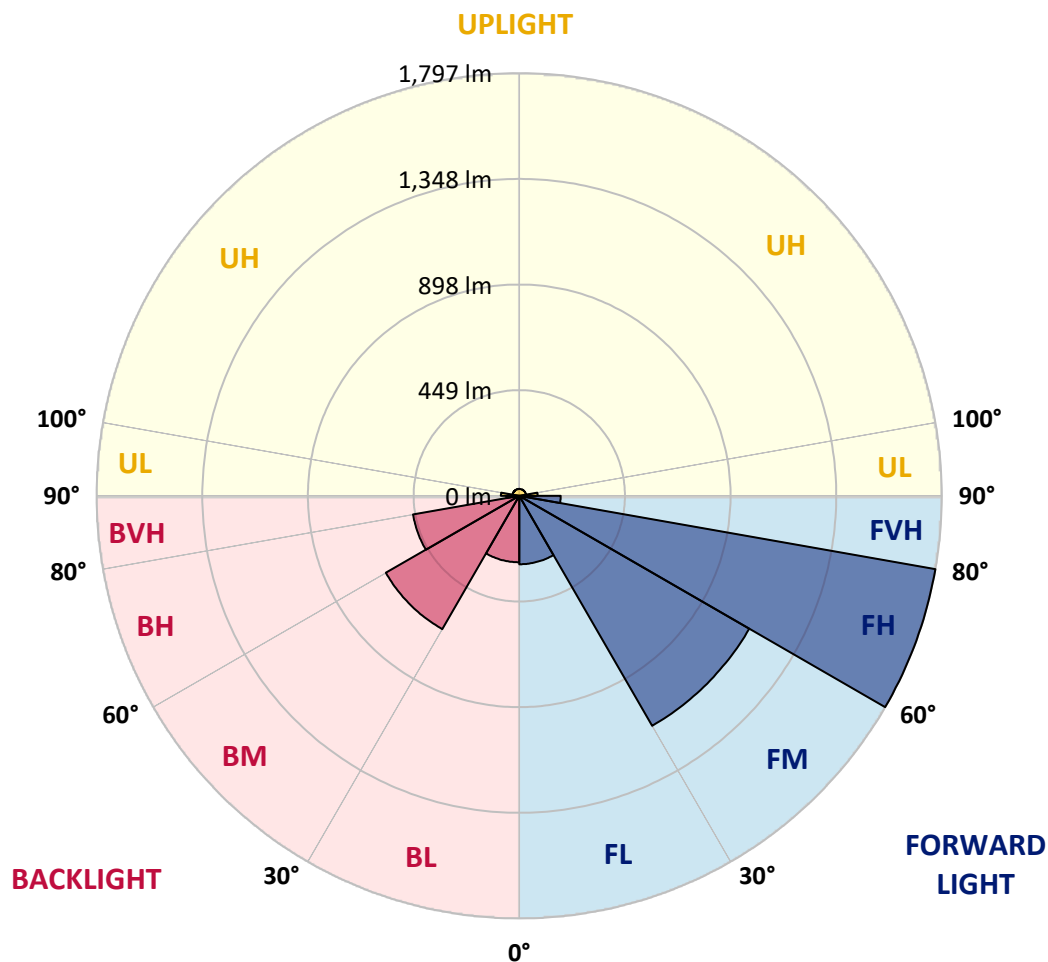
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.1	5.9			
FM	(30°-60°)	1129.4	22.8			
FH	(60°-80°)	1797.0	36.3			G1/1800
FVH	(80°-90°)	176.2	3.6			G2/225
BL	(0°-30°)	282.7	5.7	B1/500		
BM	(30°-60°)	654.9	13.2	B1/1000		
BH	(60°-80°)	458.7	9.3	B1/500		G1/500
BVH	(80°-90°)	54.9	1.1			G1/100
UL	(90°-100°)	78.0	1.6		U3/500	
UH	(100°-180°)	29.1	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°	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0
2.5°	683.9	683.9	683.9	686.4	689.0	686.4	683.9	681.3	678.7	681.3	681.3
5°	681.3	681.3	683.9	683.9	686.4	689.0	686.4	683.9	681.3	681.3	681.3
7.5°	668.5	671.0	671.0	673.6	676.2	681.3	681.3	676.2	676.2	676.2	676.2
10°	655.7	655.7	658.2	660.8	663.4	668.5	668.5	663.4	665.9	668.5	668.5
12.5°	648.0	648.0	650.6	655.7	658.2	660.8	663.4	663.4	665.9	663.4	665.9
15°	642.9	642.9	642.9	650.6	658.2	660.8	665.9	668.5	671.0	671.0	671.0
17.5°	645.4	645.4	645.4	655.7	660.8	668.5	673.6	676.2	676.2	678.7	678.7
20°	650.6	650.6	653.1	660.8	671.0	678.7	683.9	686.4	686.4	691.5	691.5
22.5°	660.8	665.9	663.4	671.0	678.7	689.0	696.7	701.8	701.8	706.9	706.9
25°	683.9	681.3	683.9	691.5	699.2	706.9	712.0	719.7	722.3	727.4	727.4
27.5°	709.5	709.5	709.5	717.1	722.3	730.0	735.1	740.2	745.3	753.0	755.6
30°	747.9	745.3	742.8	750.4	755.6	763.3	768.4	770.9	770.9	776.1	781.2
32.5°	799.1	799.1	799.1	804.2	806.8	814.5	817.0	819.6	817.0	824.7	827.3
35°	863.1	863.1	865.7	870.8	878.5	883.6	886.2	883.6	886.2	891.3	896.4
37.5°	927.2	929.7	937.4	945.1	950.2	960.5	968.2	968.2	970.7	986.1	986.1
40°	750.4	758.1	765.8	783.7	806.8	837.5	888.8	909.2	968.2	998.9	1006.6
42.5°	509.7	527.6	548.1	571.2	589.1	591.6	640.3	668.5	727.4	783.7	799.1
45°	486.6	507.1	527.6	512.2	525.1	484.1	532.7	537.9	566.0	609.6	724.8
47.5°	714.6	742.8	770.9	732.5	740.2	650.6	668.5	648.0	584.0	655.7	847.8
50°	932.3	929.7	970.7	952.8	973.3	875.9	883.6	842.7	742.8	842.7	1116.7
52.5°	1142.3	1162.8	1206.3	1201.2	1216.6	1091.1	1068.0	1032.2	875.9	1029.6	1352.3
55°	1385.6	1401.0	1442.0	1429.2	1421.5	1296.0	1255.0	1219.2	1068.0	1267.8	1603.3
57.5°	1613.6	1621.3	1669.9	1626.4	1600.8	1506.0	1449.7	1390.8	1242.2	1485.5	1777.5
60°	1831.3	1841.5	1869.7	1810.8	1769.8	1695.5	1626.4	1562.4	1424.1	1680.2	1938.9
62.5°	2036.2	2025.9	2038.8	1964.5	1936.3	1869.7	1795.4	1716.0	1595.7	1833.9	2095.1
65°	2154.0	2154.0	2169.4	2074.6	2031.1	1990.1	1908.1	1815.9	1705.8	1908.1	2192.4
67.5°	2266.7	2289.8	2282.1	2205.2	2148.9	2092.5	2000.3	1869.7	1759.6	1908.1	2197.5
70°	2225.7	2253.9	2223.2	2161.7	2105.3	2038.8	1954.2	1826.2	1703.2	1815.9	2079.7
72.5°	2049.0	2069.5	2056.7	2002.9	1933.7	1890.2	1800.6	1703.2	1559.8	1657.1	1887.6
75°	1808.2	1803.1	1826.2	1764.7	1705.8	1664.8	1577.7	1516.3	1383.1	1454.8	1675.1
77.5°	1457.3	1459.9	1508.6	1439.4	1393.3	1365.1	1285.7	1234.5	1114.1	1178.2	1347.2
80°	978.4	1006.6	1052.7	978.4	970.7	932.3	865.7	832.4	740.2	770.9	860.6
82.5°	407.2	420.0	435.4	412.4	404.7	391.9	363.7	353.5	317.6	333.0	333.0
85°	228.0	225.4	233.1	233.1	228.0	217.7	207.5	189.5	174.2	171.6	158.8
87.5°	192.1	194.7	199.8	199.8	189.5	181.8	169.0	156.2	143.4	135.7	122.9
90°	179.3	181.8	184.4	176.7	166.5	158.8	148.6	138.3	128.1	122.9	110.1
92.5°	171.6	171.6	171.6	161.4	151.1	143.4	135.7	125.5	117.8	112.7	102.4
95°	143.4	140.9	138.3	133.2	122.9	115.3	110.1	99.9	94.8	89.6	84.5
97.5°	107.6	105.0	102.4	99.9	89.6	84.5	82.0	76.8	71.7	64.0	61.5
100°	76.8	74.3	74.3	71.7	66.6	61.5	58.9	53.8	48.7	43.5	41.0
102.5°	51.2	48.7	48.7	46.1	43.5	41.0	35.9	33.3	28.2	25.6	23.1
105°	28.2	28.2	28.2	25.6	25.6	23.1	20.5	17.9	15.4	15.4	12.8
107.5°	20.5	20.5	20.5	20.5	17.9	17.9	15.4	12.8	12.8	10.2	10.2
110°	15.4	15.4	15.4	15.4	15.4	12.8	12.8	10.2	10.2	7.7	7.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.8	12.8	12.8	12.8	12.8	12.8	10.2	10.2	7.7	7.7	7.7
115°	12.8	12.8	12.8	12.8	10.2	10.2	7.7	7.7	7.7	7.7	5.1
117.5°	10.2	10.2	10.2	10.2	10.2	7.7	7.7	7.7	7.7	5.1	7.7
120°	10.2	10.2	10.2	10.2	7.7	7.7	7.7	5.1	5.1	5.1	5.1
122.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	5.1	5.1	5.1	5.1
125°	7.7	7.7	7.7	7.7	7.7	5.1	5.1	5.1	5.1	5.1	5.1
127.5°	7.7	7.7	5.1	7.7	5.1	5.1	5.1	5.1	5.1	2.6	5.1
130°	7.7	7.7	5.1	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6
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°	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0	689.0
2.5°	683.9	683.9	686.4	683.9	683.9	678.7	676.2	673.6	673.6	673.6
5°	681.3	681.3	678.7	673.6	671.0	665.9	660.8	658.2	655.7	658.2
7.5°	676.2	671.0	665.9	655.7	648.0	645.4	635.2	632.6	632.6	632.6
10°	665.9	660.8	648.0	635.2	630.1	622.4	614.7	607.0	609.6	612.1
12.5°	663.4	650.6	640.3	627.5	619.8	607.0	604.5	596.8	594.2	594.2
15°	665.9	655.7	642.9	632.6	622.4	617.3	607.0	604.5	596.8	601.9
17.5°	676.2	660.8	650.6	640.3	630.1	624.9	617.3	612.1	614.7	614.7
20°	686.4	671.0	660.8	653.1	642.9	635.2	632.6	627.5	630.1	624.9
22.5°	701.8	686.4	678.7	668.5	660.8	655.7	650.6	653.1	648.0	650.6
25°	722.3	709.5	699.2	691.5	683.9	678.7	678.7	678.7	676.2	678.7
27.5°	750.4	737.6	730.0	724.8	717.1	712.0	706.9	709.5	712.0	709.5
30°	776.1	760.7	758.1	753.0	747.9	745.3	745.3	745.3	745.3	750.4
32.5°	817.0	801.7	796.5	796.5	791.4	788.9	786.3	791.4	794.0	791.4
35°	881.1	860.6	855.5	852.9	850.3	850.3	852.9	852.9	852.9	852.9
37.5°	960.5	932.3	927.2	924.6	924.6	924.6	922.0	924.6	932.3	934.9
40°	996.3	978.4	986.1	998.9	1006.6	1006.6	1004.0	1009.1	1016.8	1016.8
42.5°	806.8	768.4	796.5	847.8	881.1	922.0	929.7	955.3	975.8	975.8
45°	655.7	496.9	507.1	540.4	555.8	591.6	612.1	635.2	648.0	630.1
47.5°	737.6	320.2	263.8	274.1	235.6	284.3	317.6	353.5	361.1	368.8
50°	1157.7	330.4	222.8	161.4	107.6	143.4	151.1	171.6	166.5	169.0
52.5°	1406.1	379.1	222.8	143.4	89.6	94.8	87.1	97.3	102.4	112.7
55°	1577.7	455.9	289.4	181.8	105.0	64.0	43.5	33.3	30.7	30.7
57.5°	1659.7	558.4	376.5	258.7	163.9	89.6	38.4	28.2	25.6	23.1
60°	1736.5	668.5	476.4	353.5	258.7	158.8	71.7	28.2	23.1	23.1
62.5°	1805.7	778.6	576.3	458.5	363.7	248.4	133.2	48.7	25.6	25.6
65°	1862.0	801.7	584.0	496.9	391.9	292.0	174.2	58.9	28.2	28.2
67.5°	1877.4	763.3	563.5	455.9	366.3	248.4	135.7	48.7	33.3	30.7
70°	1774.9	724.8	566.0	432.9	330.4	220.3	89.6	56.3	43.5	41.0
72.5°	1605.9	671.0	537.9	420.0	317.6	222.8	105.0	92.2	82.0	76.8
75°	1413.8	607.0	496.9	402.1	307.3	215.1	122.9	115.3	105.0	102.4
77.5°	1134.6	504.6	417.5	340.6	258.7	171.6	102.4	97.3	84.5	84.5
80°	745.3	376.5	315.0	261.2	197.2	120.4	76.8	69.2	61.5	58.9
82.5°	304.8	220.3	189.5	163.9	128.1	76.8	51.2	43.5	35.9	33.3
85°	148.6	110.1	94.8	76.8	64.0	43.5	33.3	28.2	20.5	20.5
87.5°	120.4	87.1	71.7	58.9	43.5	30.7	23.1	17.9	12.8	10.2
90°	110.1	76.8	61.5	48.7	35.9	25.6	15.4	12.8	7.7	5.1
92.5°	99.9	66.6	53.8	38.4	28.2	20.5	10.2	7.7	5.1	5.1
95°	82.0	51.2	41.0	30.7	23.1	15.4	10.2	5.1	2.6	2.6
97.5°	58.9	38.4	30.7	23.1	17.9	10.2	7.7	5.1	2.6	2.6
100°	41.0	25.6	23.1	17.9	12.8	7.7	5.1	2.6	2.6	2.6
102.5°	20.5	15.4	15.4	12.8	10.2	7.7	2.6	2.6	0.0	0.0
105°	12.8	10.2	10.2	7.7	5.1	5.1	2.6	2.6	0.0	0.0
107.5°	7.7	7.7	7.7	5.1	5.1	2.6	2.6	0.0	0.0	0.0
110°	7.7	5.1	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.1	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0
115°	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
117.5°	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
120°	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	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)