

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: P691064

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3610 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

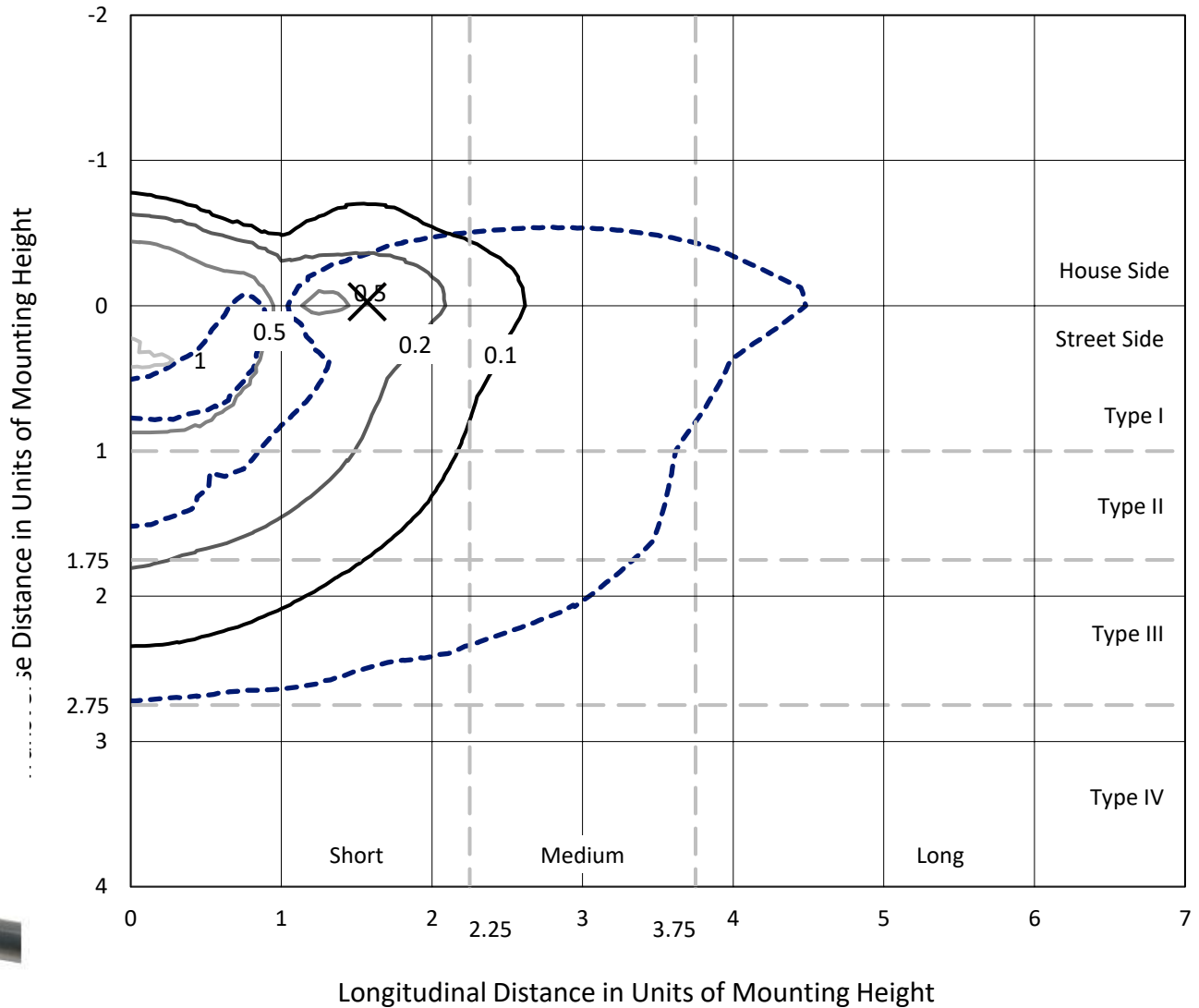
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

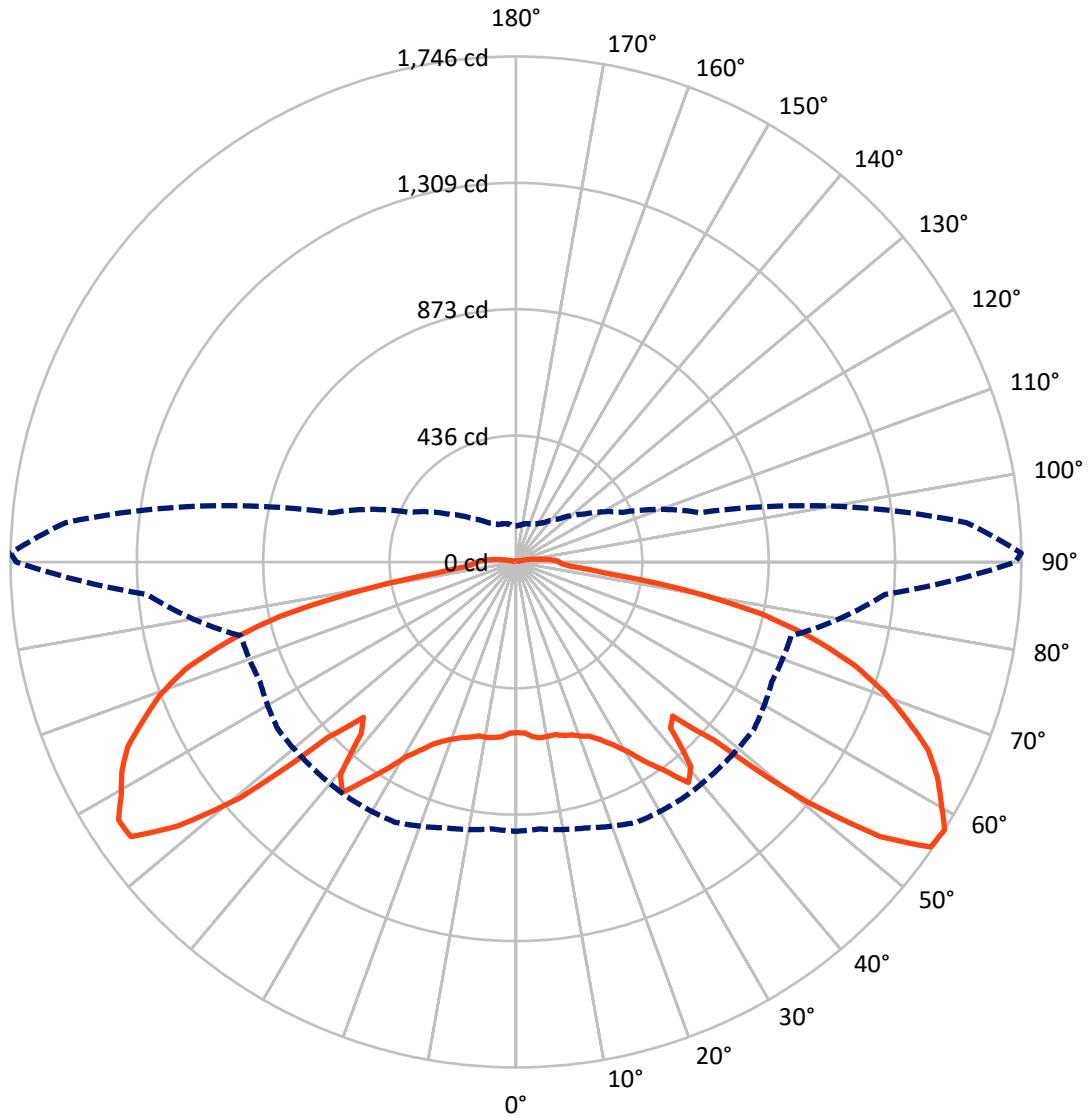
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 91-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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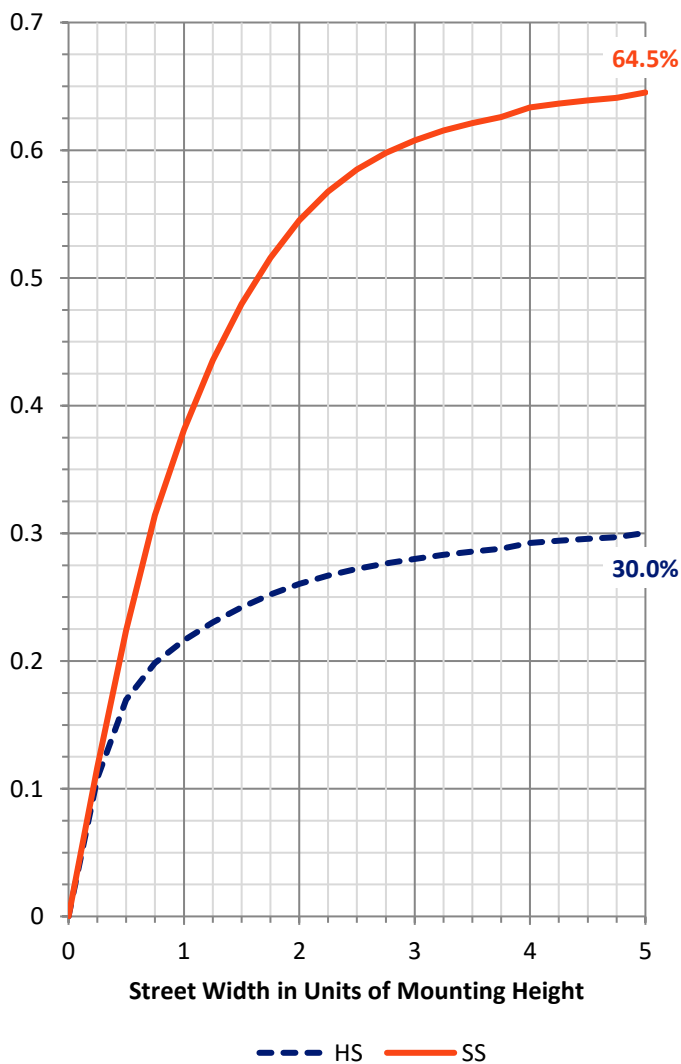
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.9	55.7	1201.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	2360.7	47.7	2408.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	3506.6	103.4	3610.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	1.6
10°-20°	175.4	4.9
20°-30°	298.3	8.3
30°-40°	419.7	11.6
40°-50°	398.6	11.0
50°-60°	597.1	16.5
60°-70°	772.6	21.4
70°-80°	584.7	16.2
80°-90°	202.5	5.6
90°-100°	76.1	2.1
100°-110°	17.8	0.5
110°-120°	6.2	0.2
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°	3506.6	97.1
0°-180°	3610.0	100.0



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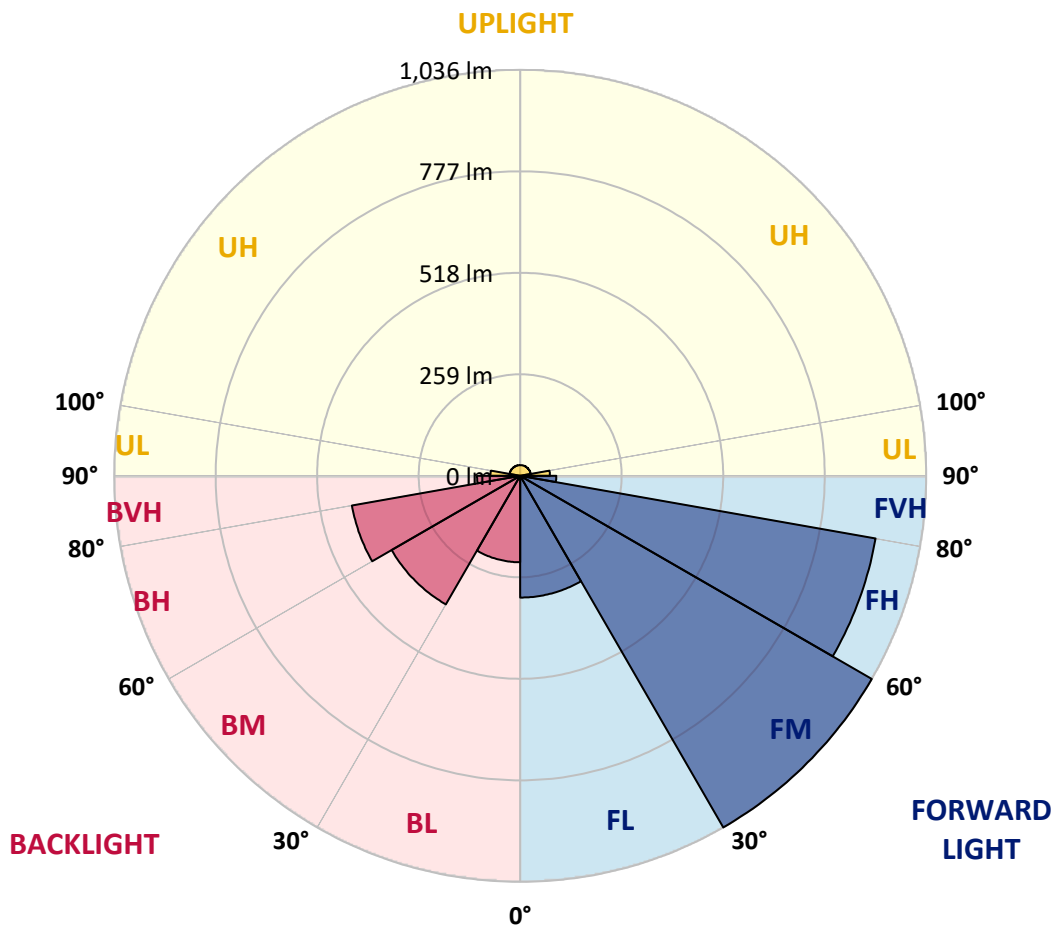
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.8	8.6			
FM (30°-60°)	1036.4	28.7			
FH (60°-80°)	921.2	25.5			G1/1800
FVH (80°-90°)	92.3	2.6			G1/100
BL (0°-30°)	220.6	6.1	B1/500		
BM (30°-60°)	379.0	10.5	B1/1000		
BH (60°-80°)	436.1	12.1	B1/500		G1/500
BVH (80°-90°)	110.2	3.1			G2/225
UL (90°-100°)	76.1	2.1		U3/500	
UH (100°-180°)	27.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	578.6	578.6	578.6	579.8	583.4	585.8	587.0	585.8	587.0	589.4	591.8
5°	595.4	594.2	593.0	590.6	589.4	589.4	590.6	590.6	593.0	601.4	606.1
7.5°	610.9	608.5	607.3	607.3	606.1	600.2	599.0	595.4	594.2	604.9	612.1
10°	639.6	637.2	630.1	621.7	619.3	612.1	601.4	599.0	600.2	612.1	614.5
12.5°	665.9	664.7	659.9	651.6	639.6	632.4	616.9	609.7	610.9	618.1	613.3
15°	710.2	705.4	691.0	683.9	671.9	658.7	638.4	630.1	632.4	626.5	624.1
17.5°	736.5	732.9	732.9	719.7	711.3	688.6	669.5	654.0	659.9	644.4	631.2
20°	760.4	760.4	761.6	764.0	748.4	730.5	704.2	685.0	686.2	663.5	644.4
22.5°	797.4	793.8	797.4	801.0	790.3	774.7	742.4	723.3	714.9	686.2	661.1
25°	835.7	833.3	833.3	842.9	846.4	822.5	792.6	772.3	760.4	718.5	685.0
27.5°	873.9	875.1	878.7	882.3	888.3	876.3	846.4	830.9	815.4	756.8	723.3
30°	905.0	902.6	918.2	926.5	932.5	937.3	903.8	887.1	870.4	805.8	766.3
32.5°	939.7	939.7	954.0	969.6	978.0	987.5	960.0	949.3	931.3	864.4	838.1
35°	968.4	968.4	989.9	1016.2	1031.8	1038.9	1024.6	1023.4	1019.8	944.5	906.2
37.5°	871.6	883.5	917.0	969.6	1029.4	1077.2	1080.8	1104.7	1116.6	1035.3	986.3
40°	760.4	764.0	803.4	850.0	906.2	966.0	1023.4	1093.9	1085.6	987.5	944.5
42.5°	685.0	694.6	744.8	780.7	817.8	854.8	854.8	852.4	792.6	810.6	793.8
45°	677.9	680.3	722.1	775.9	790.3	738.8	667.1	627.7	632.4	719.7	759.2
47.5°	752.0	755.6	798.6	850.0	798.6	707.8	637.2	631.2	627.7	781.9	915.8
50°	791.4	793.8	834.5	860.8	780.7	779.5	780.7	759.2	740.0	1025.8	1313.9
52.5°	815.4	817.8	815.4	848.8	821.3	884.7	863.2	827.3	813.0	1188.4	1551.8
55°	752.0	767.5	832.1	920.6	923.0	944.5	936.1	903.8	902.6	1249.3	1730.0
57.5°	930.1	925.4	950.5	991.1	998.3	999.5	1004.3	975.6	983.9	1280.4	1725.2
60°	1053.3	1040.1	1013.8	1032.9	1041.3	1054.5	1071.2	1038.9	1048.5	1307.9	1649.8
62.5°	1169.2	1148.9	1047.3	1043.7	1056.9	1083.2	1107.1	1082.0	1090.3	1317.5	1597.2
65°	1152.5	1134.6	1058.1	1016.2	1035.3	1071.2	1104.7	1092.7	1090.3	1297.2	1532.7
67.5°	993.5	994.7	986.3	986.3	979.1	1030.6	1084.4	1085.6	1073.6	1245.8	1435.8
70°	853.6	848.8	862.0	912.2	919.4	980.3	1052.1	1064.0	1048.5	1188.4	1342.6
72.5°	726.9	723.3	725.7	767.5	827.3	894.3	975.6	1004.3	981.5	1085.6	1229.0
75°	601.4	597.8	596.6	610.9	658.7	742.4	835.7	887.1	868.0	936.1	1062.8
77.5°	456.7	449.5	449.5	454.3	490.2	565.5	655.2	726.9	717.3	754.4	857.2
80°	303.7	304.9	302.5	301.3	325.2	369.4	435.2	521.3	516.5	516.5	569.1
82.5°	192.5	192.5	196.1	184.1	181.7	186.5	202.0	236.7	239.1	261.8	279.8
85°	123.1	124.3	124.3	112.4	108.8	112.4	123.1	133.9	138.7	161.4	181.7
87.5°	89.7	89.7	87.3	84.9	86.1	89.7	98.0	107.6	116.0	133.9	151.8
90°	68.1	68.1	67.0	65.8	68.1	72.9	83.7	94.4	105.2	125.5	142.3
92.5°	56.2	56.2	55.0	55.0	56.2	59.8	69.3	81.3	92.1	108.8	124.3
95°	46.6	47.8	46.6	47.8	49.0	51.4	57.4	67.0	74.1	84.9	95.6
97.5°	37.1	38.3	38.3	38.3	39.5	43.0	46.6	52.6	57.4	62.2	69.3
100°	27.5	28.7	28.7	28.7	29.9	33.5	37.1	39.5	40.6	41.8	45.4
102.5°	20.3	21.5	21.5	21.5	21.5	23.9	25.1	26.3	26.3	26.3	27.5
105°	14.3	14.3	14.3	14.3	14.3	14.3	15.5	15.5	15.5	15.5	15.5
107.5°	10.8	10.8	10.8	10.8	10.8	10.8	12.0	12.0	12.0	12.0	12.0
110°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.8	9.6	9.6	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.4	8.4	8.4	8.4	8.4	8.4	9.6	9.6	8.4	8.4	8.4
115°	7.2	7.2	7.2	7.2	7.2	7.2	8.4	8.4	7.2	7.2	7.2
117.5°	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	6.0	7.2	7.2
120°	6.0	7.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.2
122.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.0
125°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8
130°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	591.8	594.2	599.0	603.7	608.5	613.3	615.7	616.9	618.1	615.7	616.9
5°	606.1	608.5	615.7	622.9	621.7	618.1	613.3	613.3	614.5	614.5	616.9
7.5°	613.3	616.9	614.5	615.7	618.1	614.5	609.7	603.7	596.6	596.6	597.8
10°	612.1	608.5	612.1	608.5	600.2	599.0	596.6	588.2	583.4	584.6	584.6
12.5°	612.1	610.9	603.7	600.2	593.0	579.8	573.9	576.3	570.3	571.5	569.1
15°	621.7	613.3	603.7	591.8	576.3	569.1	560.7	547.6	546.4	546.4	546.4
17.5°	627.7	621.7	600.2	576.3	565.5	547.6	538.0	534.4	524.8	528.4	530.8
20°	642.0	627.7	596.6	571.5	534.4	523.6	508.1	504.5	499.7	485.4	480.6
22.5°	654.0	640.8	593.0	548.8	517.7	492.6	468.7	451.9	443.5	437.6	432.8
25°	680.3	659.9	596.6	538.0	490.2	457.9	436.4	406.5	386.2	383.8	386.2
27.5°	714.9	682.7	604.9	523.6	468.7	418.4	375.4	355.1	333.6	326.4	327.6
30°	759.2	716.1	603.7	510.5	430.4	373.0	318.0	283.3	266.6	259.4	258.2
32.5°	822.5	762.8	631.2	493.8	395.7	309.6	249.9	206.8	198.5	197.3	196.1
35°	884.7	838.1	644.4	468.7	345.5	248.7	188.9	162.6	161.4	160.2	159.0
37.5°	967.2	912.2	681.5	453.1	297.7	187.7	151.8	132.7	129.1	123.1	125.5
40°	930.1	884.7	692.2	429.2	230.7	138.7	113.6	98.0	95.6	96.8	95.6
42.5°	783.1	749.6	603.7	369.4	159.0	101.6	84.9	87.3	92.1	95.6	95.6
45°	759.2	693.4	435.2	261.8	102.8	84.9	82.5	86.1	94.4	102.8	104.0
47.5°	917.0	833.3	381.4	202.0	118.4	96.8	88.5	88.5	93.3	94.4	93.3
50°	1299.6	1172.8	445.9	231.9	147.1	117.2	101.6	95.6	98.0	100.4	99.2
52.5°	1575.7	1416.7	508.1	277.4	184.1	139.9	119.6	105.2	102.8	102.8	101.6
55°	1737.1	1556.6	581.0	341.9	230.7	168.6	138.7	121.9	116.0	111.2	111.2
57.5°	1745.5	1561.4	657.5	405.3	288.1	210.4	165.0	142.3	137.5	126.7	124.3
60°	1686.9	1541.1	716.1	468.7	343.1	269.0	210.4	176.9	171.0	165.0	161.4
62.5°	1633.1	1507.6	744.8	521.3	401.7	334.8	267.8	221.2	202.0	209.2	214.0
65°	1563.8	1470.5	725.7	526.0	428.0	374.2	309.6	241.5	209.2	224.8	233.1
67.5°	1457.4	1373.7	677.9	483.0	399.3	350.3	290.5	227.2	202.0	208.0	208.0
70°	1349.8	1260.1	631.2	449.5	359.9	308.5	252.3	203.2	199.7	196.1	196.1
72.5°	1223.0	1116.6	570.3	429.2	344.3	300.1	245.1	204.4	214.0	218.8	218.8
75°	1062.8	944.5	505.7	411.3	337.1	306.1	246.3	220.0	236.7	239.1	239.1
77.5°	870.4	741.2	430.4	379.0	316.8	294.1	229.5	216.4	233.1	236.7	237.9
80°	599.0	524.8	361.1	330.0	283.3	264.2	211.6	210.4	227.2	235.5	236.7
82.5°	303.7	298.9	263.0	259.4	241.5	230.7	196.1	204.4	222.4	234.3	235.5
85°	187.7	194.9	175.7	173.4	179.3	184.1	178.1	194.9	208.0	221.2	223.6
87.5°	156.6	165.0	147.1	139.9	142.3	150.6	157.8	175.7	187.7	198.5	199.7
90°	147.1	154.2	125.5	119.6	124.3	130.3	135.1	144.7	154.2	160.2	160.2
92.5°	129.1	131.5	104.0	99.2	106.4	110.0	108.8	111.2	111.2	99.2	99.2
95°	99.2	99.2	78.9	78.9	84.9	86.1	77.7	70.5	65.8	39.5	33.5
97.5°	71.7	70.5	57.4	57.4	62.2	61.0	51.4	43.0	35.9	22.7	23.9
100°	47.8	46.6	38.3	40.6	43.0	38.3	32.3	26.3	21.5	14.3	16.7
102.5°	28.7	27.5	25.1	26.3	25.1	23.9	19.1	15.5	13.2	8.4	9.6
105°	16.7	15.5	15.5	15.5	15.5	14.3	13.2	9.6	7.2	4.8	4.8
107.5°	12.0	12.0	12.0	10.8	10.8	9.6	8.4	7.2	4.8	3.6	2.4
110°	10.8	9.6	9.6	9.6	8.4	8.4	7.2	6.0	3.6	2.4	2.4



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 CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	8.4	8.4	7.2	7.2	6.0	4.8	4.8	3.6	1.2	1.2
115°	7.2	7.2	6.0	6.0	4.8	4.8	3.6	3.6	2.4	1.2	1.2
117.5°	7.2	7.2	4.8	4.8	3.6	3.6	3.6	2.4	1.2	1.2	1.2
120°	7.2	6.0	4.8	3.6	3.6	3.6	2.4	2.4	1.2	0.0	1.2
122.5°	6.0	6.0	3.6	3.6	2.4	2.4	2.4	1.2	1.2	0.0	0.0
125°	4.8	4.8	3.6	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0
127.5°	4.8	4.8	3.6	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0
130°	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	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	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

(END OF REPORT)