

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: P691056

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691056
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-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3569 lumens
Efficiency: N/A
Efficacy: 153.8 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

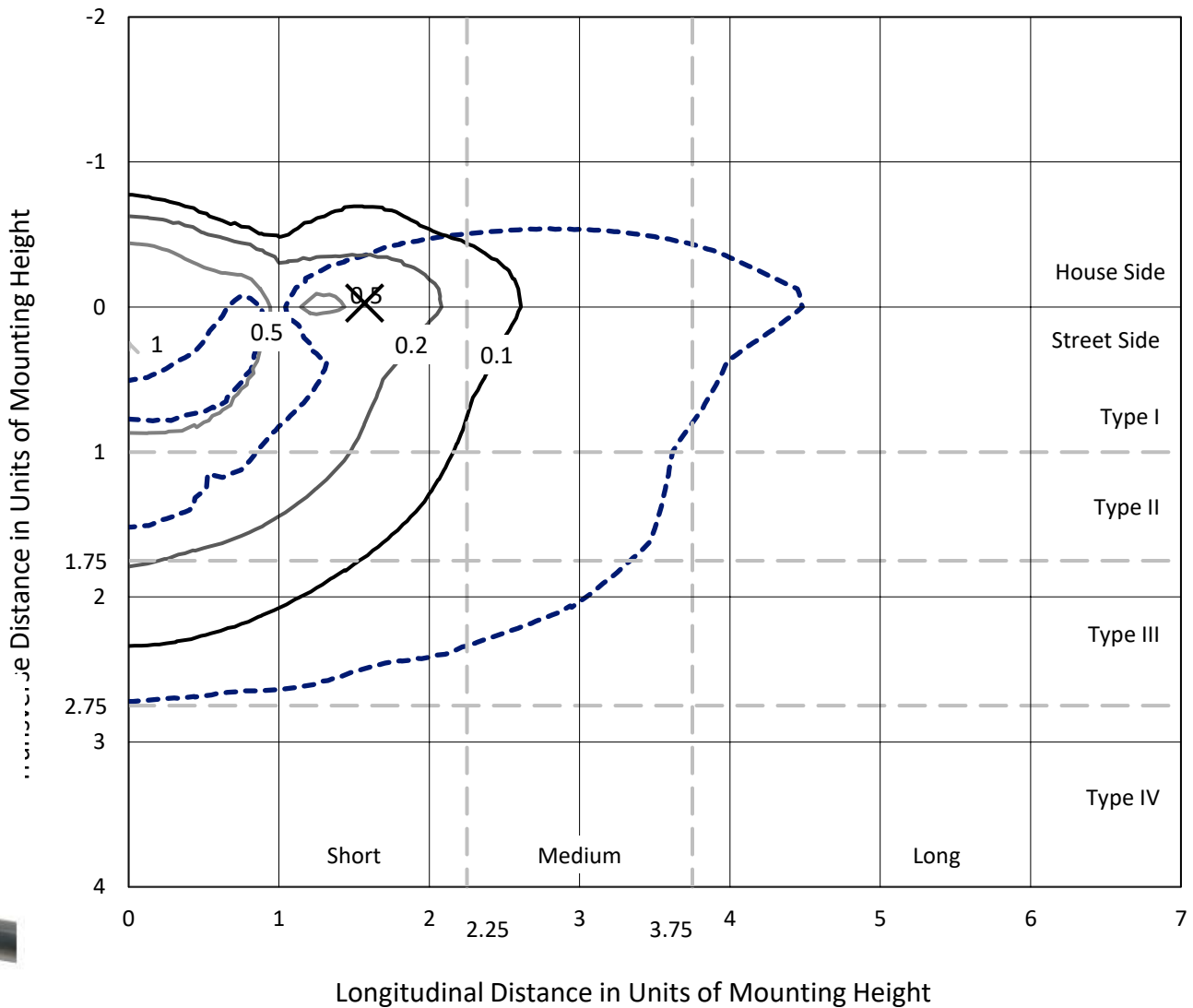


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

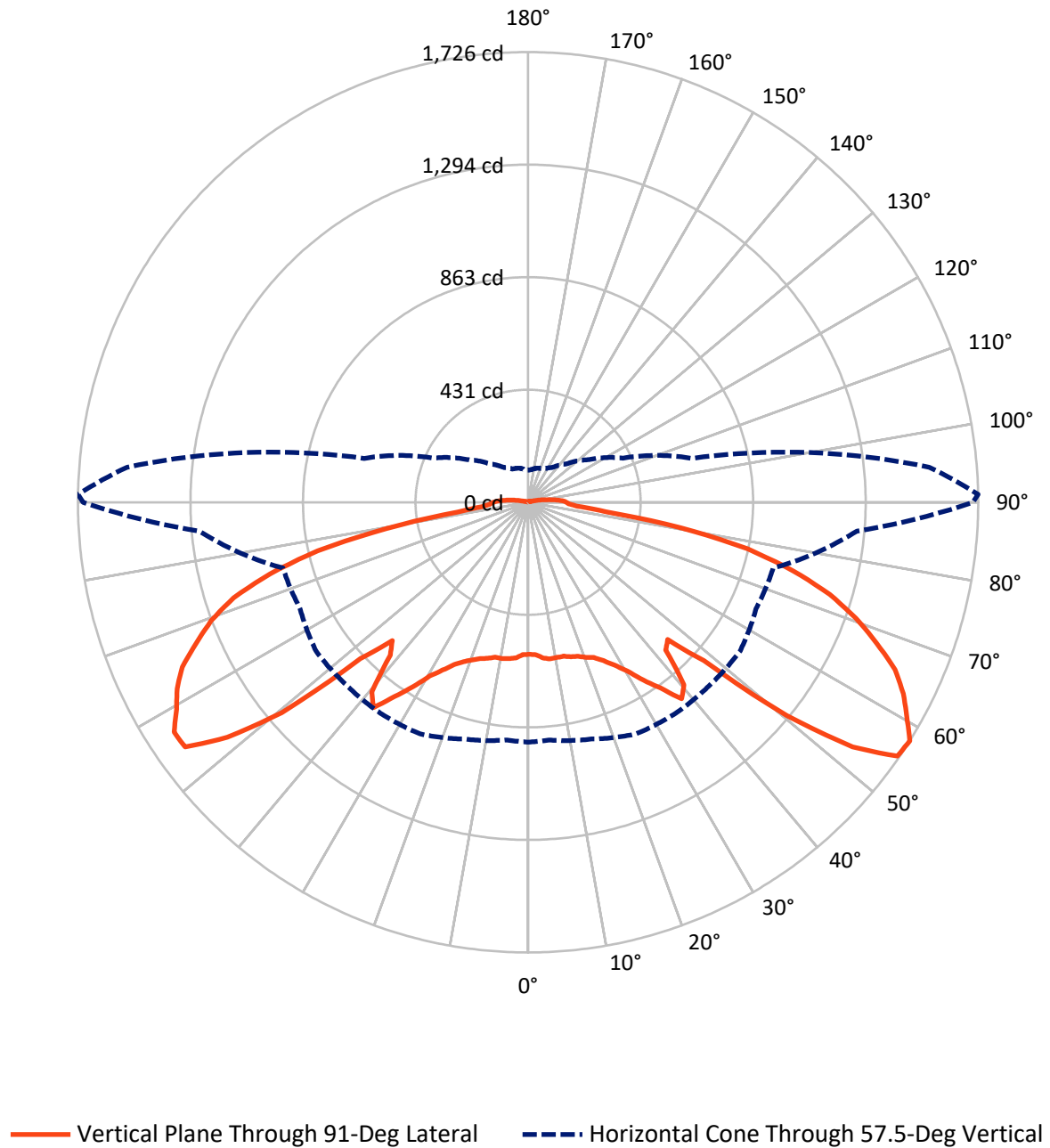


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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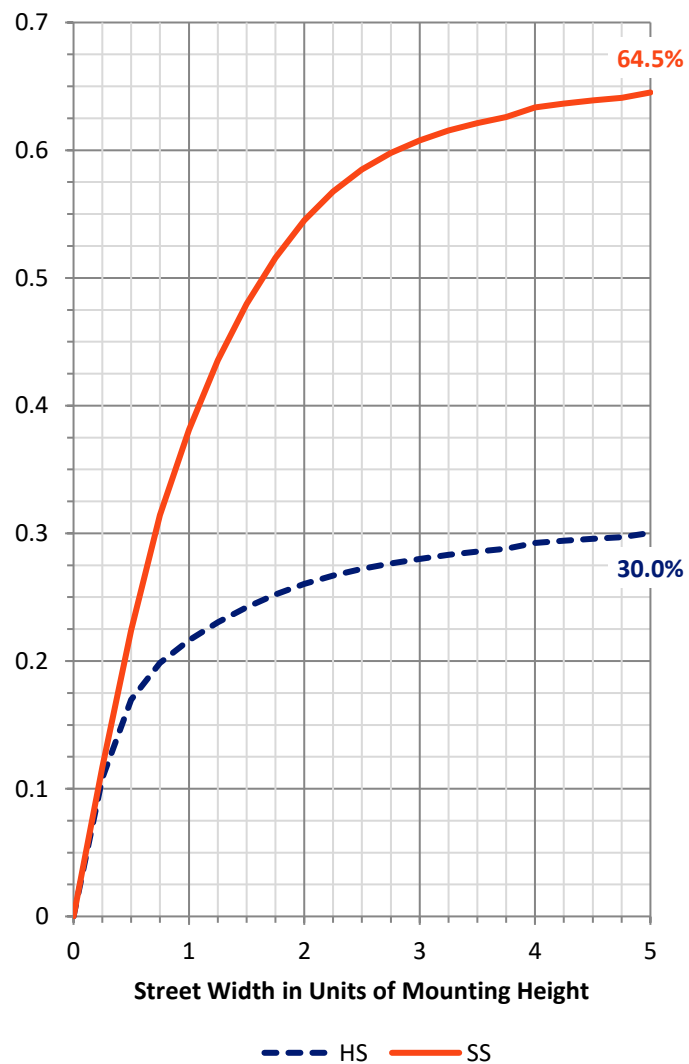
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.9	55.1	1188.0
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	2333.9	47.1	2381.0
	% Fixture	65.4	1.3	66.7
Total	Lumens	3466.8	102.2	3569.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	1.6
10°-20°	173.4	4.9
20°-30°	294.9	8.3
30°-40°	415.0	11.6
40°-50°	394.0	11.0
50°-60°	590.3	16.5
60°-70°	763.8	21.4
70°-80°	578.1	16.2
80°-90°	200.2	5.6
90°-100°	75.2	2.1
100°-110°	17.6	0.5
110°-120°	6.1	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°	3466.8	97.1
0°-180°	3569.0	100.0

Coefficient of Utilization



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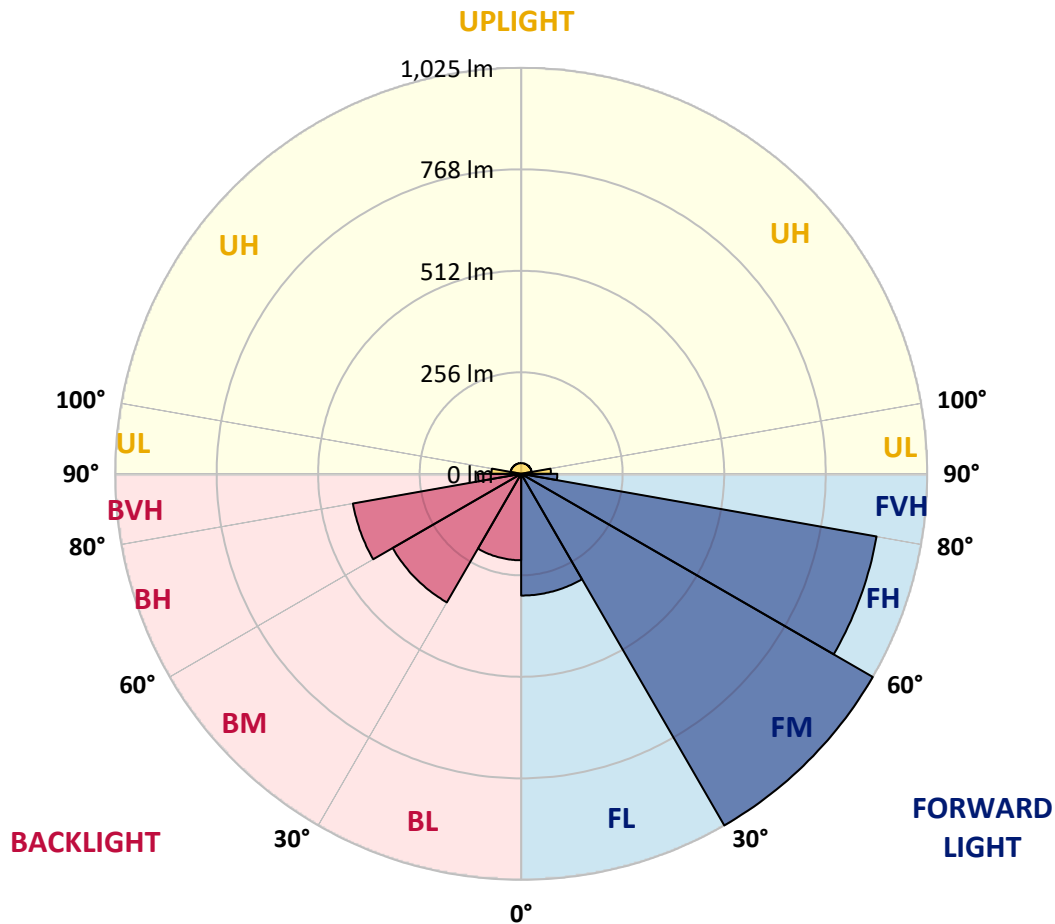
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.3	8.6			
FM	(30°-60°)	1024.6	28.7			
FH	(60°-80°)	910.7	25.5			G1/1800
FVH	(80°-90°)	91.3	2.6			G1/100
BL	(0°-30°)	218.1	6.1	B1/500		
BM	(30°-60°)	374.7	10.5	B1/1000		
BH	(60°-80°)	431.2	12.1	B1/500		G1/500
BVH	(80°-90°)	108.9	3.1			G2/225
UL	(90°-100°)	75.2	2.1		U3/500	
UH	(100°-180°)	27.0	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°	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7
2.5°	572.1	572.1	572.1	573.3	576.8	579.2	580.3	579.2	580.3	582.7	585.1
5°	588.6	587.4	586.3	583.9	582.7	582.7	583.9	583.9	586.3	594.5	599.3
7.5°	604.0	601.6	600.4	600.4	599.3	593.3	592.2	588.6	587.4	598.1	605.2
10°	632.4	630.0	622.9	614.6	612.3	605.2	594.5	592.2	593.3	605.2	607.5
12.5°	658.4	657.2	652.4	644.2	632.4	625.3	609.9	602.8	604.0	611.1	606.3
15°	702.1	697.4	683.2	676.1	664.3	651.3	631.2	622.9	625.3	619.3	617.0
17.5°	728.1	724.5	724.5	711.5	703.3	680.8	661.9	646.5	652.4	637.1	624.1
20°	751.7	751.7	752.9	755.3	739.9	722.2	696.2	677.3	678.4	656.0	637.1
22.5°	788.4	784.8	788.4	791.9	781.3	765.9	734.0	715.1	706.8	678.4	653.6
25°	826.2	823.8	823.8	833.3	836.8	813.2	783.6	763.5	751.7	710.4	677.3
27.5°	864.0	865.2	868.7	872.3	878.2	866.4	836.8	821.5	806.1	748.2	715.1
30°	894.7	892.4	907.7	916.0	921.9	926.7	893.6	877.0	860.5	796.6	757.6
32.5°	929.0	929.0	943.2	958.6	966.8	976.3	949.1	938.5	920.8	854.6	828.6
35°	957.4	957.4	978.7	1004.7	1020.0	1027.1	1012.9	1011.8	1008.2	933.8	895.9
37.5°	861.7	873.5	906.6	958.6	1017.7	1065.0	1068.5	1092.1	1104.0	1023.6	975.1
40°	751.7	755.3	794.3	840.4	895.9	955.0	1011.8	1081.5	1073.2	976.3	933.8
42.5°	677.3	686.7	736.4	771.8	808.5	845.1	845.1	842.7	783.6	801.4	784.8
45°	670.2	672.5	713.9	767.1	781.3	730.5	659.5	620.5	625.3	711.5	750.5
47.5°	743.5	747.0	789.6	840.4	789.6	699.7	630.0	624.1	620.5	773.0	905.4
50°	782.5	784.8	825.0	851.0	771.8	770.6	771.8	750.5	731.6	1014.1	1299.0
52.5°	806.1	808.5	806.1	839.2	812.0	874.7	853.4	817.9	803.7	1174.9	1534.2
55°	743.5	758.8	822.6	910.1	912.5	933.8	925.5	893.6	892.4	1235.2	1710.3
57.5°	919.6	914.8	939.7	979.8	986.9	988.1	992.9	964.5	972.8	1265.9	1705.6
60°	1041.3	1028.3	1002.3	1021.2	1029.5	1042.5	1059.0	1027.1	1036.6	1293.1	1631.1
62.5°	1156.0	1135.9	1035.4	1031.9	1044.9	1070.9	1094.5	1069.7	1078.0	1302.5	1579.1
65°	1139.4	1121.7	1046.0	1004.7	1023.6	1059.0	1092.1	1080.3	1078.0	1282.4	1515.3
67.5°	982.2	983.4	975.1	975.1	968.0	1018.9	1072.0	1073.2	1061.4	1231.6	1419.5
70°	843.9	839.2	852.2	901.8	908.9	969.2	1040.1	1051.9	1036.6	1174.9	1327.3
72.5°	718.6	715.1	717.5	758.8	817.9	884.1	964.5	992.9	970.4	1073.2	1215.1
75°	594.5	591.0	589.8	604.0	651.3	734.0	826.2	877.0	858.1	925.5	1050.8
77.5°	451.5	444.4	444.4	449.1	484.6	559.1	647.7	718.6	709.2	745.8	847.5
80°	300.2	301.4	299.0	297.9	321.5	365.2	430.2	515.3	510.6	510.6	562.6
82.5°	190.3	190.3	193.8	182.0	179.7	184.4	199.8	234.0	236.4	258.9	276.6
85°	121.7	122.9	122.9	111.1	107.6	111.1	121.7	132.4	137.1	159.6	179.7
87.5°	88.6	88.6	86.3	83.9	85.1	88.6	96.9	106.4	114.7	132.4	150.1
90°	67.4	67.4	66.2	65.0	67.4	72.1	82.7	93.4	104.0	124.1	140.7
92.5°	55.6	55.6	54.4	54.4	55.6	59.1	68.6	80.4	91.0	107.6	122.9
95°	46.1	47.3	46.1	47.3	48.5	50.8	56.7	66.2	73.3	83.9	94.6
97.5°	36.6	37.8	37.8	37.8	39.0	42.6	46.1	52.0	56.7	61.5	68.6
100°	27.2	28.4	28.4	28.4	29.5	33.1	36.6	39.0	40.2	41.4	44.9
102.5°	20.1	21.3	21.3	21.3	21.3	23.6	24.8	26.0	26.0	26.0	27.2
105°	14.2	14.2	14.2	14.2	14.2	14.2	15.4	15.4	15.4	15.4	15.4
107.5°	10.6	10.6	10.6	10.6	10.6	10.6	11.8	11.8	11.8	11.8	11.8
110°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.6	9.5	9.5	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.3	8.3	8.3	8.3	8.3	8.3	9.5	9.5	8.3	8.3	8.3
115°	7.1	7.1	7.1	7.1	7.1	7.1	8.3	8.3	7.1	7.1	7.1
117.5°	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1	5.9	7.1	7.1
120°	5.9	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1
122.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9
125°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
127.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
130°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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°	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7	582.7
2.5°	585.1	587.4	592.2	596.9	601.6	606.3	608.7	609.9	611.1	608.7	609.9
5°	599.3	601.6	608.7	615.8	614.6	611.1	606.3	606.3	607.5	607.5	609.9
7.5°	606.3	609.9	607.5	608.7	611.1	607.5	602.8	596.9	589.8	589.8	591.0
10°	605.2	601.6	605.2	601.6	593.3	592.2	589.8	581.5	576.8	578.0	578.0
12.5°	605.2	604.0	596.9	593.3	586.3	573.3	567.3	569.7	563.8	565.0	562.6
15°	614.6	606.3	596.9	585.1	569.7	562.6	554.3	541.3	540.2	540.2	540.2
17.5°	620.5	614.6	593.3	569.7	559.1	541.3	531.9	528.3	518.9	522.4	524.8
20°	634.7	620.5	589.8	565.0	528.3	517.7	502.3	498.8	494.1	479.9	475.1
22.5°	646.5	633.5	586.3	542.5	511.8	487.0	463.3	446.8	438.5	432.6	427.9
25°	672.5	652.4	589.8	531.9	484.6	452.7	431.4	401.9	381.8	379.4	381.8
27.5°	706.8	674.9	598.1	517.7	463.3	413.7	371.1	351.0	329.8	322.7	323.9
30°	750.5	708.0	596.9	504.7	425.5	368.8	314.4	280.1	263.6	256.5	255.3
32.5°	813.2	754.1	624.1	488.2	391.2	306.1	247.0	204.5	196.2	195.0	193.8
35°	874.7	828.6	637.1	463.3	341.6	245.8	186.8	160.7	159.6	158.4	157.2
37.5°	956.2	901.8	673.7	448.0	294.3	185.6	150.1	131.2	127.7	121.7	124.1
40°	919.6	874.7	684.4	424.3	228.1	137.1	112.3	96.9	94.6	95.7	94.6
42.5°	774.2	741.1	596.9	365.2	157.2	100.5	83.9	86.3	91.0	94.6	94.6
45°	750.5	685.5	430.2	258.9	101.6	83.9	81.6	85.1	93.4	101.6	102.8
47.5°	906.6	823.8	377.0	199.8	117.0	95.7	87.5	87.5	92.2	93.4	92.2
50°	1284.8	1159.5	440.9	229.3	145.4	115.8	100.5	94.6	96.9	99.3	98.1
52.5°	1557.8	1400.6	502.3	274.2	182.0	138.3	118.2	104.0	101.6	101.6	100.5
55°	1717.4	1538.9	574.4	338.0	228.1	166.7	137.1	120.6	114.7	109.9	109.9
57.5°	1725.7	1543.6	650.1	400.7	284.9	208.0	163.1	140.7	135.9	125.3	122.9
60°	1667.8	1523.6	708.0	463.3	339.2	265.9	208.0	174.9	169.0	163.1	159.6
62.5°	1614.6	1490.5	736.4	515.3	397.1	331.0	264.8	218.7	199.8	206.8	211.6
65°	1546.0	1453.8	717.5	520.1	423.1	370.0	306.1	238.8	206.8	222.2	230.5
67.5°	1440.8	1358.1	670.2	477.5	394.8	346.3	287.2	224.6	199.8	205.7	205.7
70°	1334.4	1245.8	624.1	444.4	355.8	304.9	249.4	200.9	197.4	193.8	193.8
72.5°	1209.2	1104.0	563.8	424.3	340.4	296.7	242.3	202.1	211.6	216.3	216.3
75°	1050.8	933.8	500.0	406.6	333.3	302.6	243.5	217.5	234.0	236.4	236.4
77.5°	860.5	732.8	425.5	374.7	313.2	290.8	226.9	213.9	230.5	234.0	235.2
80°	592.2	518.9	357.0	326.2	280.1	261.2	209.2	208.0	224.6	232.8	234.0
82.5°	300.2	295.5	260.0	256.5	238.8	228.1	193.8	202.1	219.8	231.7	232.8
85°	185.6	192.7	173.7	171.4	177.3	182.0	176.1	192.7	205.7	218.7	221.0
87.5°	154.8	163.1	145.4	138.3	140.7	148.9	156.0	173.7	185.6	196.2	197.4
90°	145.4	152.5	124.1	118.2	122.9	128.8	133.6	143.0	152.5	158.4	158.4
92.5°	127.7	130.0	102.8	98.1	105.2	108.7	107.6	109.9	109.9	98.1	98.1
95°	98.1	98.1	78.0	78.0	83.9	85.1	76.8	69.7	65.0	39.0	33.1
97.5°	70.9	69.7	56.7	56.7	61.5	60.3	50.8	42.6	35.5	22.5	23.6
100°	47.3	46.1	37.8	40.2	42.6	37.8	31.9	26.0	21.3	14.2	16.5
102.5°	28.4	27.2	24.8	26.0	24.8	23.6	18.9	15.4	13.0	8.3	9.5
105°	16.5	15.4	15.4	15.4	15.4	14.2	13.0	9.5	7.1	4.7	4.7
107.5°	11.8	11.8	11.8	10.6	10.6	9.5	8.3	7.1	4.7	3.5	2.4
110°	10.6	9.5	9.5	9.5	8.3	8.3	7.1	5.9	3.5	2.4	2.4

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	8.3	8.3	7.1	7.1	5.9	4.7	4.7	3.5	1.2	1.2
115°	7.1	7.1	5.9	5.9	4.7	4.7	3.5	3.5	2.4	1.2	1.2
117.5°	7.1	7.1	4.7	4.7	3.5	3.5	3.5	2.4	1.2	1.2	1.2
120°	7.1	5.9	4.7	3.5	3.5	3.5	2.4	2.4	1.2	0.0	1.2
122.5°	5.9	5.9	3.5	3.5	2.4	2.4	2.4	1.2	1.2	0.0	0.0
125°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0
127.5°	4.7	4.7	3.5	2.4	2.4	2.4	2.4	1.2	1.2	0.0	0.0
130°	3.5	3.5	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)