

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: P691192

Luminaire Tested: **CRTK2-C013-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2777 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 20.4
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

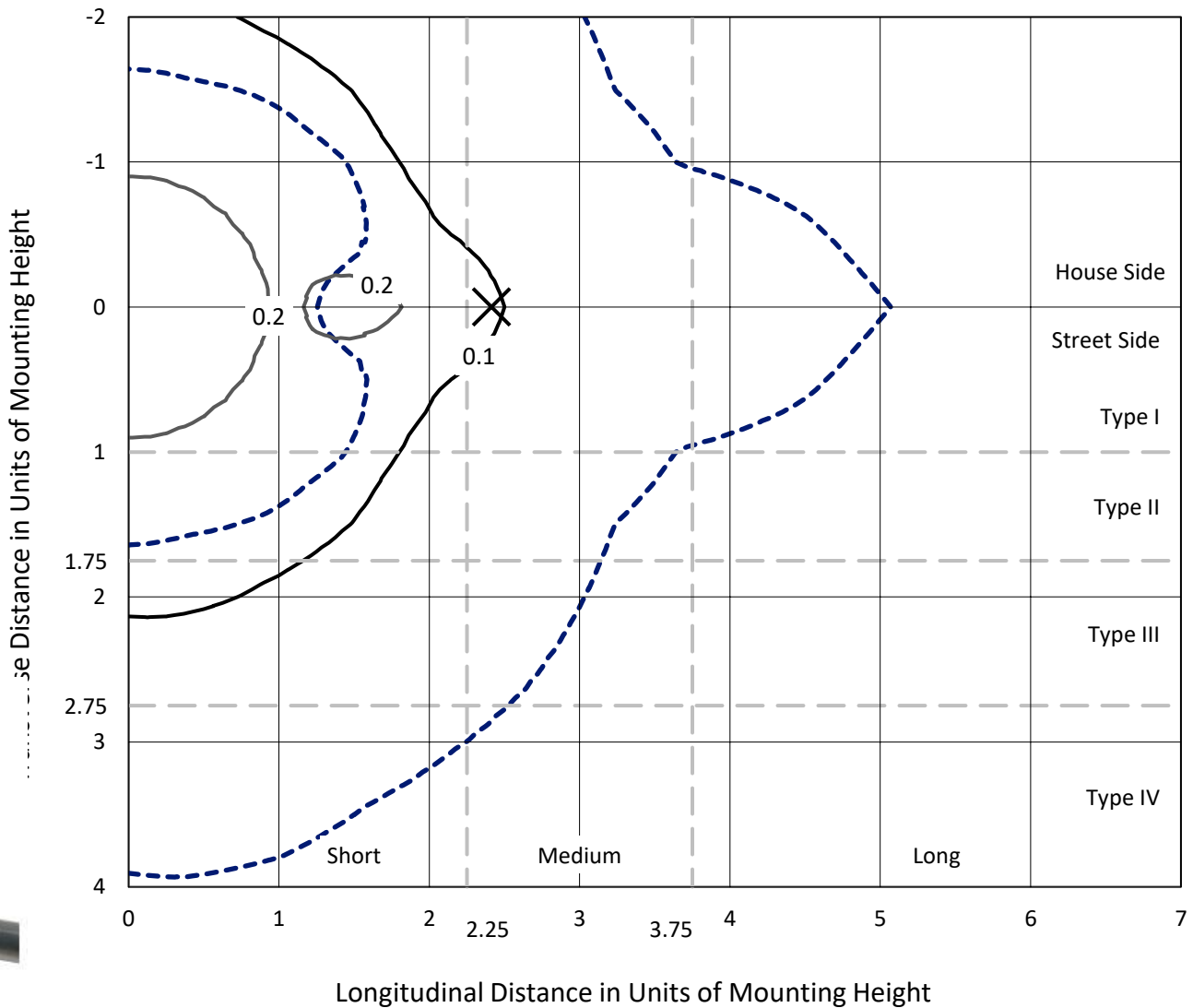


REPORT NUMBER: P691192

CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

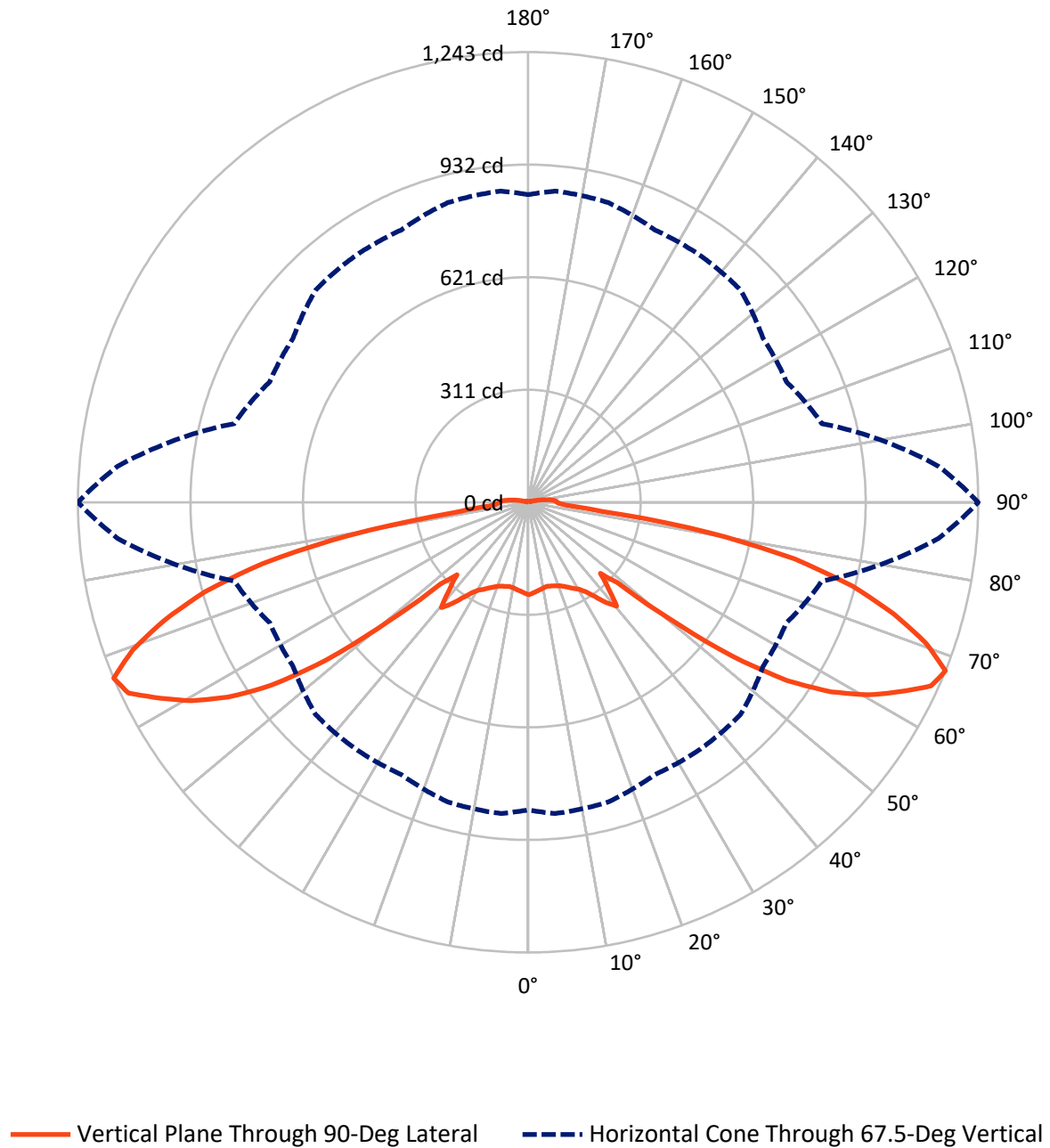


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

REPORT NUMBER: P691192

CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691192

CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER

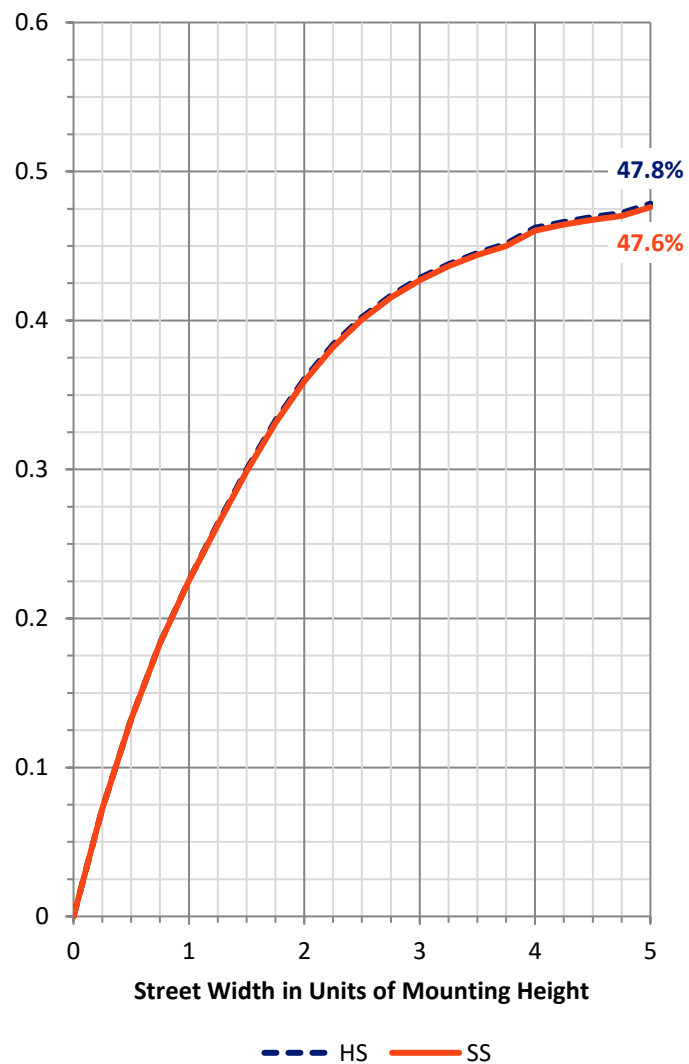
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.3	40.2	1388.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1348.3	40.2	1388.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	2696.6	80.4	2777.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	0.8
10°-20°	65.9	2.4
20°-30°	116.7	4.2
30°-40°	196.8	7.1
40°-50°	220.6	7.9
50°-60°	456.6	16.4
60°-70°	803.7	28.9
70°-80°	664.2	23.9
80°-90°	149.0	5.4
90°-100°	57.0	2.1
100°-110°	16.1	0.6
110°-120°	4.9	0.2
120°-130°	2.2	0.1
130°-140°	0.2	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°	2696.6	97.1
0°-180°	2777.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691192

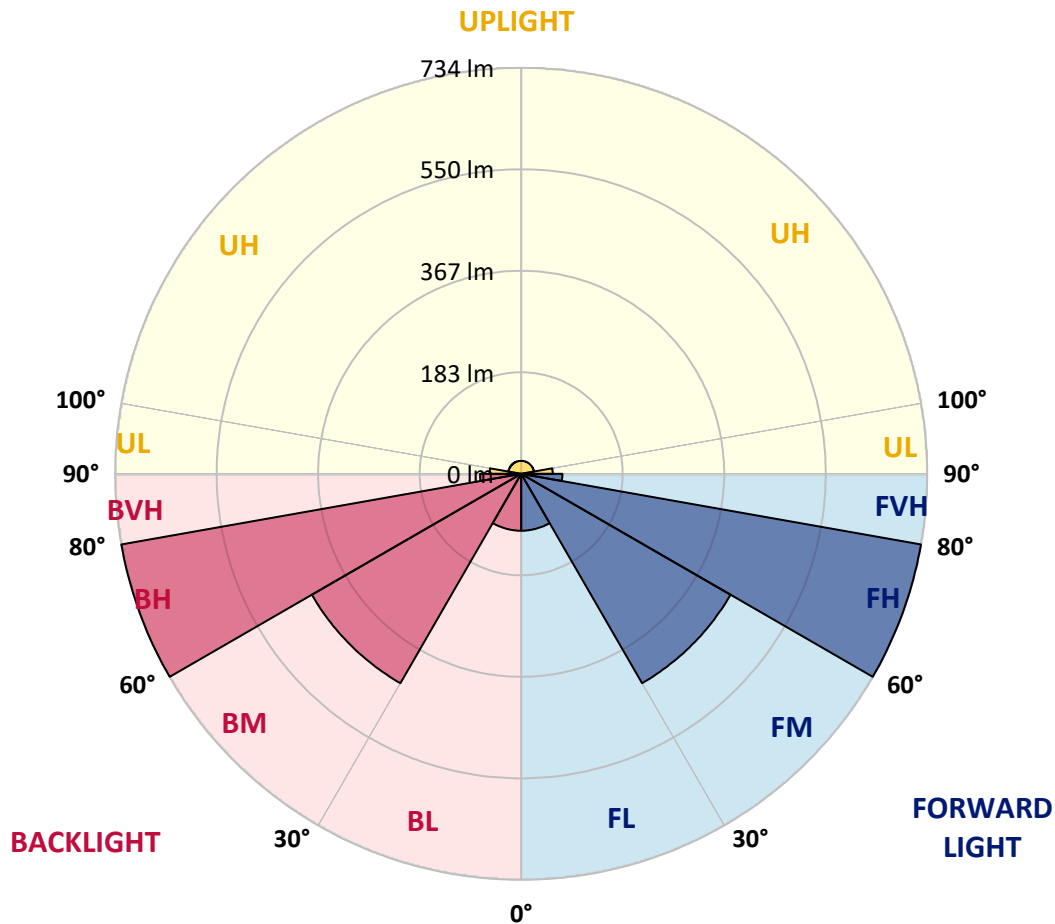
CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.8	3.7			
FM	(30°-60°)	437.0	15.7			
FH	(60°-80°)	734.0	26.4			G1/1800
FVH	(80°-90°)	74.5	2.7			G1/100
BL	(0°-30°)	102.8	3.7	B0/110		
BM	(30°-60°)	437.0	15.7	B1/1000		
BH	(60°-80°)	734.0	26.4	B2/1000		G1/1800
BVH	(80°-90°)	74.5	2.7			G1/100
UL	(90°-100°)	57.0	2.1		U3/500	
UH	(100°-180°)	23.5	0.8		U2/50	

BUG Rating: B2-U3-G1

Type V Short



REPORT NUMBER: P691192

CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5	255.5
2.5°	252.9	252.9	251.1	250.3	251.1	252.0	252.9	252.9	252.0	251.1	251.1
5°	248.5	247.6	246.8	245.9	245.9	247.6	247.6	248.5	247.6	246.8	246.8
7.5°	237.1	237.1	236.2	235.3	237.1	238.9	241.5	242.4	243.2	243.2	243.2
10°	229.2	229.2	228.3	228.3	230.1	232.7	235.3	238.0	238.9	239.7	239.7
12.5°	224.8	224.8	224.8	223.9	226.6	229.2	233.6	235.3	237.1	238.0	238.0
15°	224.8	223.9	223.9	224.8	226.6	230.1	233.6	237.1	238.9	239.7	239.7
17.5°	226.6	225.7	225.7	225.7	228.3	231.8	236.2	238.9	241.5	242.4	242.4
20°	229.2	229.2	229.2	229.2	230.9	235.3	239.7	242.4	245.0	245.9	245.9
22.5°	236.2	236.2	235.3	234.5	236.2	239.7	245.0	247.6	250.3	252.0	252.0
25°	245.0	244.1	244.1	243.2	243.2	246.8	251.1	254.7	258.2	259.9	259.9
27.5°	255.5	254.7	254.7	252.9	252.9	257.3	260.8	264.3	267.8	269.6	269.6
30°	267.0	267.8	266.1	265.2	264.3	267.8	271.3	274.0	276.6	278.4	278.4
32.5°	285.4	285.4	283.6	282.8	281.9	284.5	286.3	288.0	290.7	294.2	295.1
35°	308.2	307.3	307.3	307.3	307.3	309.1	310.9	310.0	315.3	318.8	320.5
37.5°	338.1	339.0	337.2	335.4	334.6	336.3	338.1	340.7	346.0	350.4	351.3
40°	332.8	331.1	332.8	336.3	337.2	345.1	353.0	359.2	367.9	375.8	376.7
42.5°	298.6	301.2	303.8	303.8	303.0	303.0	303.8	304.7	313.5	324.9	324.9
45°	245.0	246.8	250.3	248.5	240.6	237.1	238.9	241.5	251.1	279.2	280.1
47.5°	259.9	263.4	267.0	256.4	246.8	231.8	230.1	228.3	239.7	317.9	331.1
50°	306.5	306.5	310.9	302.1	298.6	289.8	284.5	286.3	310.9	473.3	502.3
52.5°	398.7	396.9	407.5	396.9	393.4	375.0	354.8	365.3	390.8	647.2	706.9
55°	483.9	485.6	496.1	485.6	476.0	459.3	432.0	450.5	484.7	784.2	869.4
57.5°	576.1	578.7	591.0	570.8	551.5	542.7	517.2	536.5	574.3	872.9	987.0
60°	671.8	674.4	680.6	655.1	637.5	633.1	604.2	625.2	670.9	951.0	1079.2
62.5°	763.1	765.7	762.2	737.6	727.1	728.0	699.9	714.8	764.0	1042.3	1151.2
65°	821.1	832.5	829.8	802.6	799.1	802.6	772.8	774.5	825.4	1113.5	1222.4
67.5°	849.2	862.3	856.2	829.0	830.7	829.0	791.2	786.8	839.5	1138.1	1242.6
70°	821.1	821.1	816.7	793.0	792.1	785.1	757.0	749.9	791.2	1070.4	1165.3
72.5°	752.6	752.6	749.1	721.8	716.6	711.3	694.6	682.3	718.3	961.6	1056.4
75°	653.3	661.2	656.8	629.6	623.5	620.0	608.5	596.3	628.7	845.6	925.6
77.5°	522.5	531.3	526.0	505.8	500.5	502.3	494.4	487.4	511.1	677.9	751.7
80°	350.4	358.3	348.6	339.0	331.1	339.0	335.4	331.9	345.1	432.0	505.8
82.5°	158.1	159.8	159.8	150.2	144.0	156.3	158.1	160.7	168.6	187.9	206.4
85°	96.6	97.5	95.7	93.1	89.6	92.2	91.3	93.1	96.6	102.7	106.3
87.5°	82.5	82.5	82.5	79.9	77.3	77.3	76.4	77.3	78.2	83.4	85.2
90°	72.9	72.9	72.9	71.1	69.4	69.4	70.3	69.4	71.1	76.4	79.0
92.5°	61.5	62.3	64.1	64.1	64.1	65.0	65.0	65.0	65.9	73.8	76.4
95°	45.7	44.8	48.3	50.9	51.8	53.6	53.6	53.6	55.3	62.3	65.0
97.5°	33.4	33.4	35.1	36.9	38.6	40.4	41.3	41.3	43.0	48.3	49.2
100°	23.7	23.7	25.5	27.2	28.1	30.7	31.6	31.6	31.6	35.1	35.1
102.5°	17.6	16.7	18.4	19.3	20.2	21.1	22.0	22.0	22.0	22.8	22.8
105°	10.5	10.5	11.4	12.3	13.2	13.2	14.1	14.1	13.2	13.2	13.2
107.5°	7.0	7.0	7.9	8.8	8.8	9.7	9.7	9.7	9.7	9.7	9.7
110°	5.3	5.3	6.1	7.0	7.0	7.9	7.9	7.9	7.9	7.0	7.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.4	4.4	5.3	5.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1
115°	3.5	3.5	4.4	4.4	4.4	5.3	5.3	5.3	5.3	5.3	5.3
117.5°	2.6	2.6	3.5	3.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4
120°	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
122.5°	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5
125°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
127.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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

(END OF REPORT)