

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: P691723

Luminaire Tested: **CRTK2-C018-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691723
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-C018-D-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7014 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - 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



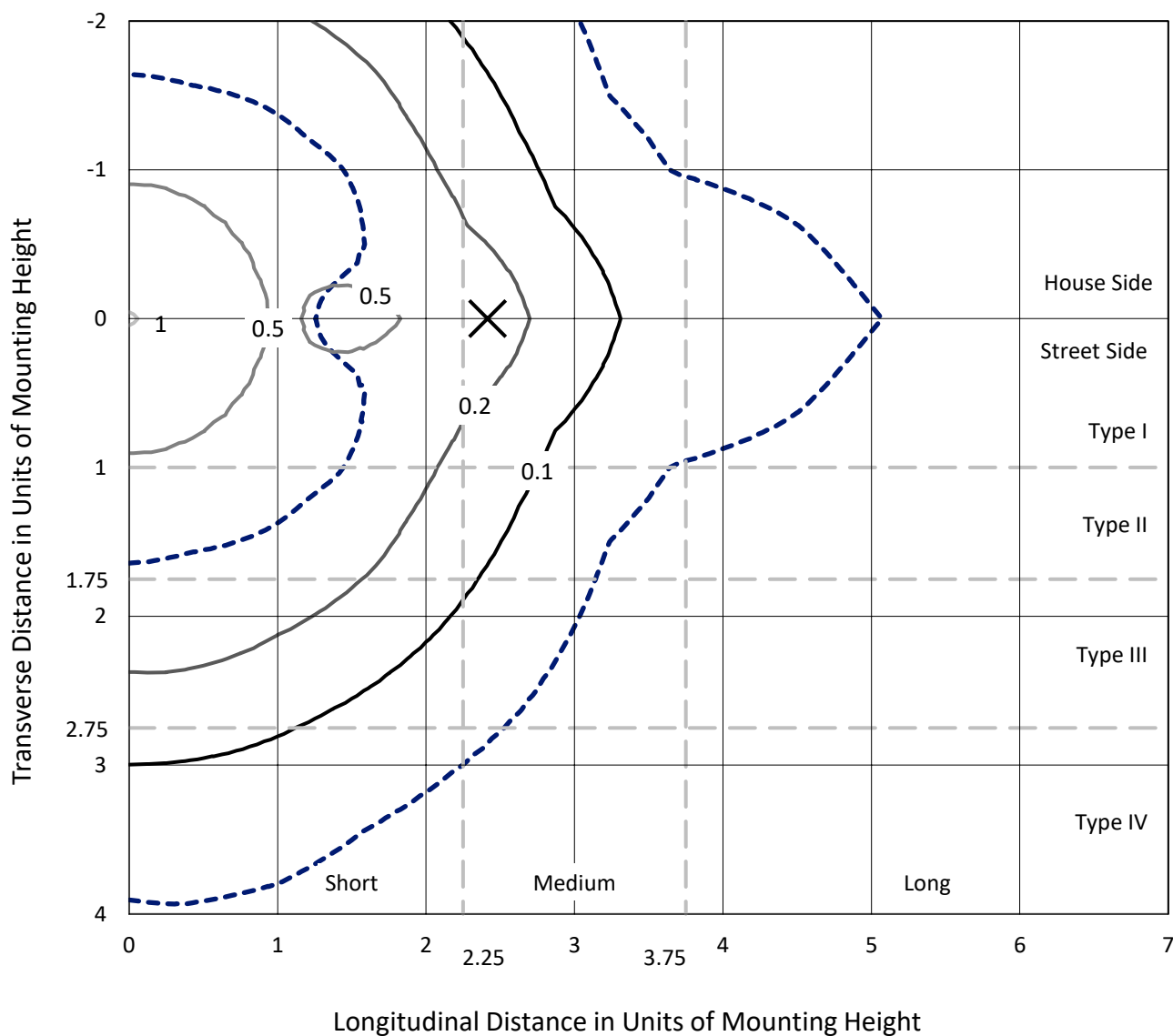
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



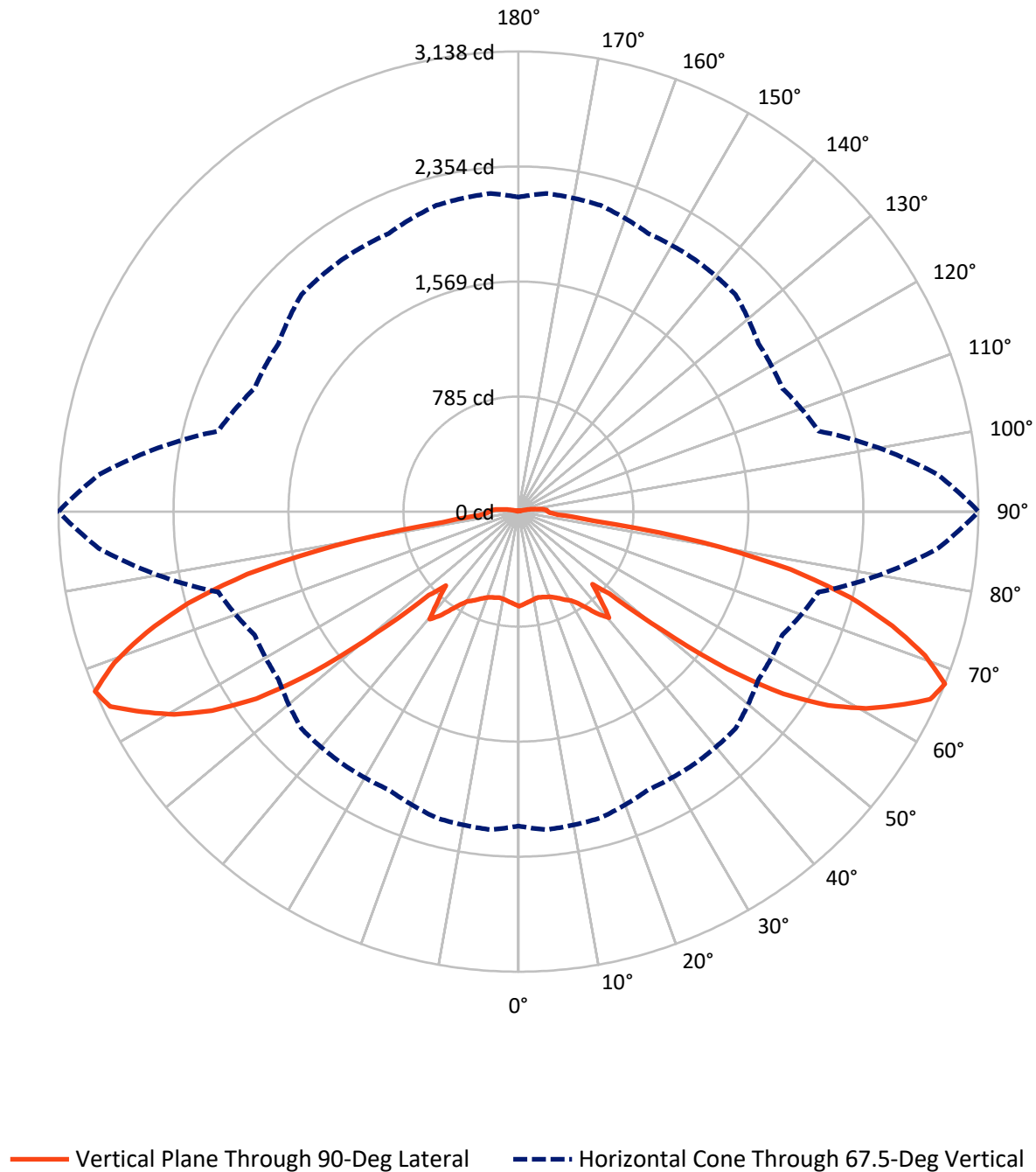
Based on 25 foot mounting height. Maximum calculated value = 1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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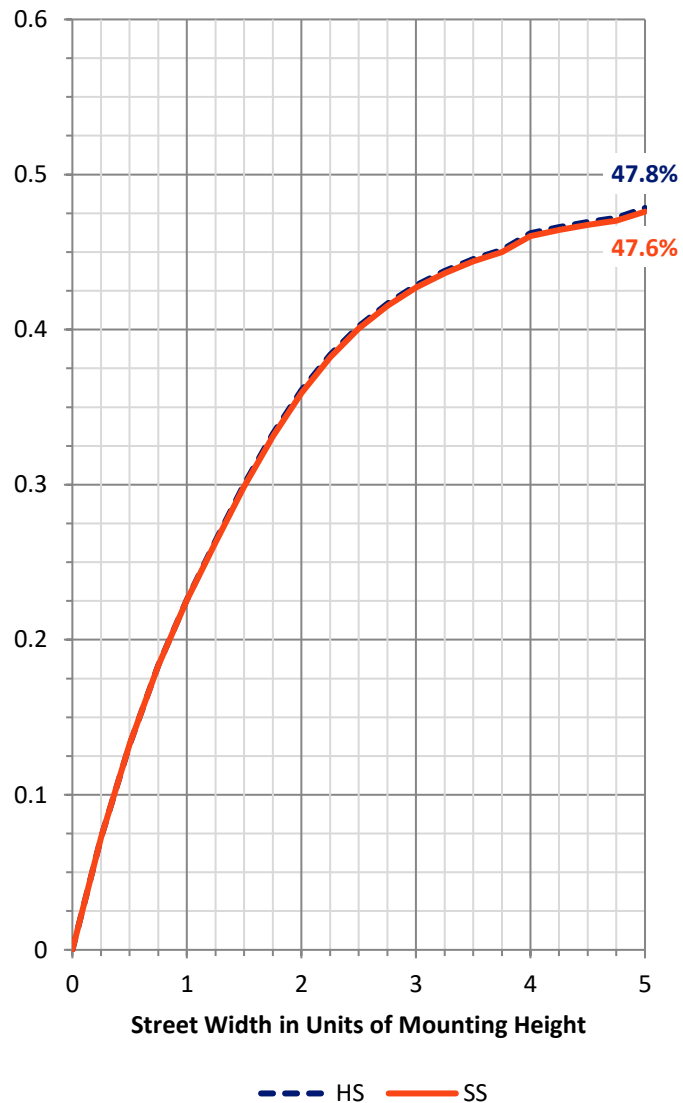
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3405.4	101.6	3507.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3405.4	101.6	3507.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	6810.8	203.2	7014.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	0.8
10°-20°	166.4	2.4
20°-30°	294.6	4.2
30°-40°	497.0	7.1
40°-50°	557.1	7.9
50°-60°	1153.3	16.4
60°-70°	2030.0	28.9
70°-80°	1677.6	23.9
80°-90°	376.3	5.4
90°-100°	143.9	2.1
100°-110°	40.7	0.6
110°-120°	12.4	0.2
120°-130°	5.7	0.1
130°-140°	0.5	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°	6810.8	97.1
0°-180°	7014.0	100.0

Coefficient of Utilization



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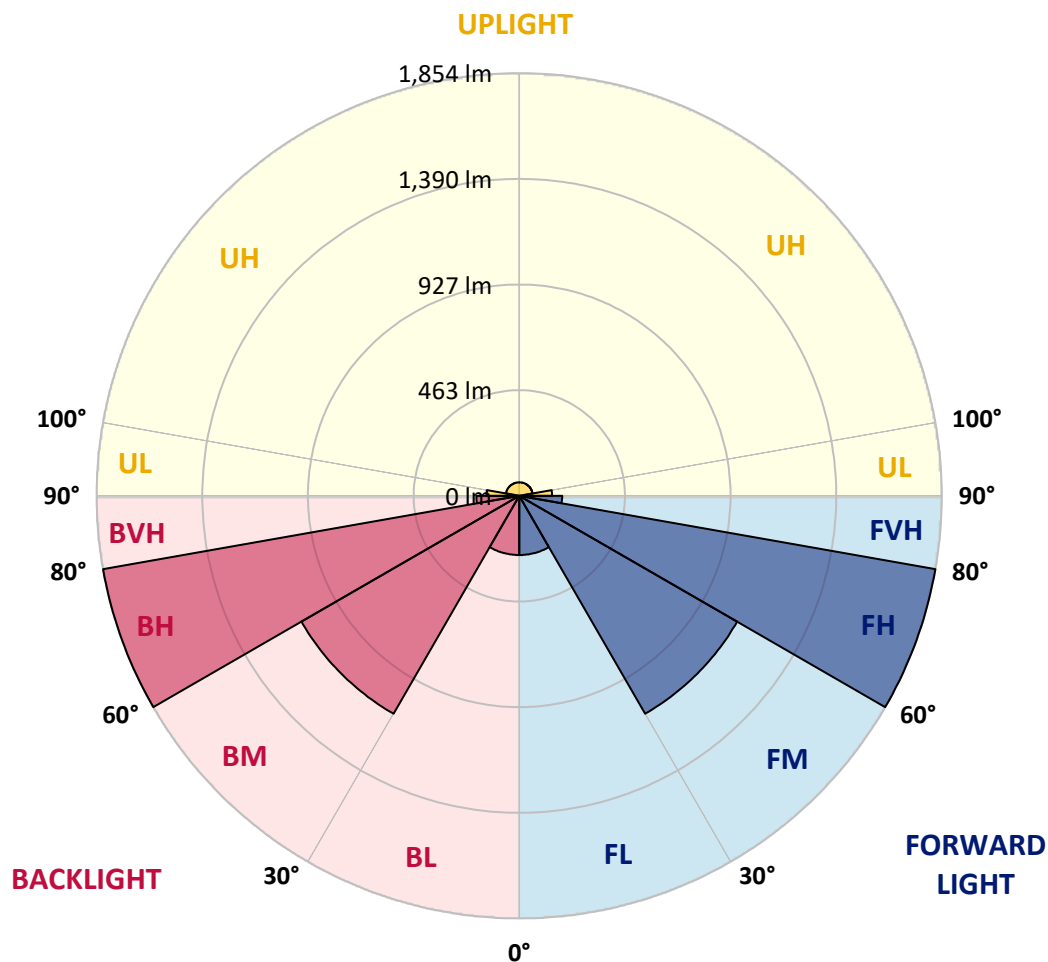
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.7	3.7			
FM	(30°-60°)	1103.7	15.7			
FH	(60°-80°)	1853.8	26.4			G2/5000
FVH	(80°-90°)	188.2	2.7			G2/225
BL	(0°-30°)	259.7	3.7	B1/500		
BM	(30°-60°)	1103.7	15.7	B2/2500		
BH	(60°-80°)	1853.8	26.4	B3/2500		G2/5000
BVH	(80°-90°)	188.2	2.7			G2/225
UL	(90°-100°)	143.9	2.1		U3/500	
UH	(100°-180°)	59.3	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4
2.5°	638.8	638.8	634.3	632.1	634.3	636.6	638.8	638.8	636.6	634.3	634.3
5°	627.7	625.5	623.2	621.0	621.0	625.5	625.5	627.7	625.5	623.2	623.2
7.5°	598.8	598.8	596.6	594.4	598.8	603.3	609.9	612.2	614.4	614.4	614.4
10°	578.9	578.9	576.7	576.7	581.1	587.8	594.4	601.1	603.3	605.5	605.5
12.5°	567.8	567.8	567.8	565.6	572.2	578.9	590.0	594.4	598.8	601.1	601.1
15°	567.8	565.6	565.6	567.8	572.2	581.1	590.0	598.8	603.3	605.5	605.5
17.5°	572.2	570.0	570.0	570.0	576.7	585.5	596.6	603.3	609.9	612.2	612.2
20°	578.9	578.9	578.9	578.9	583.3	594.4	605.5	612.2	618.8	621.0	621.0
22.5°	596.6	596.6	594.4	592.2	596.6	605.5	618.8	625.5	632.1	636.6	636.6
25°	618.8	616.6	616.6	614.4	614.4	623.2	634.3	643.2	652.1	656.5	656.5
27.5°	645.4	643.2	643.2	638.8	638.8	649.9	658.7	667.6	676.5	680.9	680.9
30°	674.3	676.5	672.0	669.8	667.6	676.5	685.3	692.0	698.7	703.1	703.1
32.5°	720.8	720.8	716.4	714.2	712.0	718.6	723.1	727.5	734.1	743.0	745.2
35°	778.5	776.3	776.3	776.3	776.3	780.7	785.2	782.9	796.2	805.1	809.6
37.5°	853.9	856.1	851.7	847.3	845.0	849.5	853.9	860.6	873.9	885.0	887.2
40°	840.6	836.2	840.6	849.5	851.7	871.7	891.6	907.1	929.3	949.3	951.5
42.5°	754.1	760.8	767.4	767.4	765.2	765.2	767.4	769.6	791.8	820.6	820.6
45°	618.8	623.2	632.1	627.7	607.7	598.8	603.3	609.9	634.3	705.3	707.5
47.5°	656.5	665.4	674.3	647.6	623.2	585.5	581.1	576.7	605.5	802.9	836.2
50°	774.1	774.1	785.2	763.0	754.1	731.9	718.6	723.1	785.2	1195.5	1268.7
52.5°	1007.0	1002.5	1029.1	1002.5	993.6	947.1	896.1	922.7	987.0	1634.6	1785.5
55°	1222.1	1226.5	1253.1	1226.5	1202.1	1160.0	1091.2	1137.8	1224.3	1980.6	2195.8
57.5°	1455.0	1461.6	1492.7	1441.7	1392.9	1370.7	1306.4	1355.2	1450.5	2204.6	2493.0
60°	1696.7	1703.4	1718.9	1654.6	1610.2	1599.1	1526.0	1579.2	1694.5	2402.0	2725.9
62.5°	1927.4	1934.1	1925.2	1863.1	1836.5	1838.7	1767.7	1805.4	1929.6	2632.7	2907.7
65°	2073.8	2102.6	2096.0	2027.2	2018.3	2027.2	1951.8	1956.2	2084.9	2812.4	3087.4
67.5°	2144.8	2178.0	2162.5	2093.7	2098.2	2093.7	1998.4	1987.3	2120.4	2874.5	3138.4
70°	2073.8	2073.8	2062.7	2002.8	2000.6	1982.8	1911.9	1894.1	1998.4	2703.7	2943.2
72.5°	1900.8	1900.8	1891.9	1823.2	1809.8	1796.5	1754.4	1723.3	1814.3	2428.7	2668.2
75°	1650.2	1670.1	1659.0	1590.3	1574.7	1565.9	1537.0	1506.0	1588.1	2135.9	2337.7
77.5°	1319.7	1341.9	1328.6	1277.5	1264.2	1268.7	1248.7	1231.0	1290.8	1712.3	1898.6
80°	885.0	904.9	880.5	856.1	836.2	856.1	847.3	838.4	871.7	1091.2	1277.5
82.5°	399.2	403.7	403.7	379.3	363.7	394.8	399.2	405.9	425.8	474.6	521.2
85°	244.0	246.2	241.8	235.1	226.2	232.9	230.7	235.1	244.0	259.5	268.4
87.5°	208.5	208.5	208.5	201.8	195.2	195.2	193.0	195.2	197.4	210.7	215.1
90°	184.1	184.1	184.1	179.7	175.2	175.2	177.4	175.2	179.7	193.0	199.6
92.5°	155.3	157.5	161.9	161.9	161.9	164.1	164.1	164.1	166.3	186.3	193.0
95°	115.3	113.1	122.0	128.6	130.9	135.3	135.3	135.3	139.7	157.5	164.1
97.5°	84.3	84.3	88.7	93.2	97.6	102.0	104.2	104.2	108.7	122.0	124.2
100°	59.9	59.9	64.3	68.8	71.0	77.6	79.8	79.8	79.8	88.7	88.7
102.5°	44.4	42.1	46.6	48.8	51.0	53.2	55.4	55.4	55.4	57.7	57.7
105°	26.6	26.6	28.8	31.1	33.3	33.3	35.5	35.5	33.3	33.3	33.3
107.5°	17.7	17.7	20.0	22.2	22.2	24.4	24.4	24.4	24.4	24.4	24.4
110°	13.3	13.3	15.5	17.7	17.7	20.0	20.0	20.0	20.0	17.7	17.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.1	11.1	13.3	13.3	15.5	15.5	15.5	15.5	15.5	15.5	15.5
115°	8.9	8.9	11.1	11.1	11.1	13.3	13.3	13.3	13.3	13.3	13.3
117.5°	6.7	6.7	8.9	8.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1
120°	6.7	6.7	6.7	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
122.5°	4.4	4.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.9	8.9
125°	4.4	4.4	4.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
127.5°	4.4	4.4	4.4	4.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7
130°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.7	6.7
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)