

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: P695302

Luminaire Tested: **LXF.LXT-PA16-50-727-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5311 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

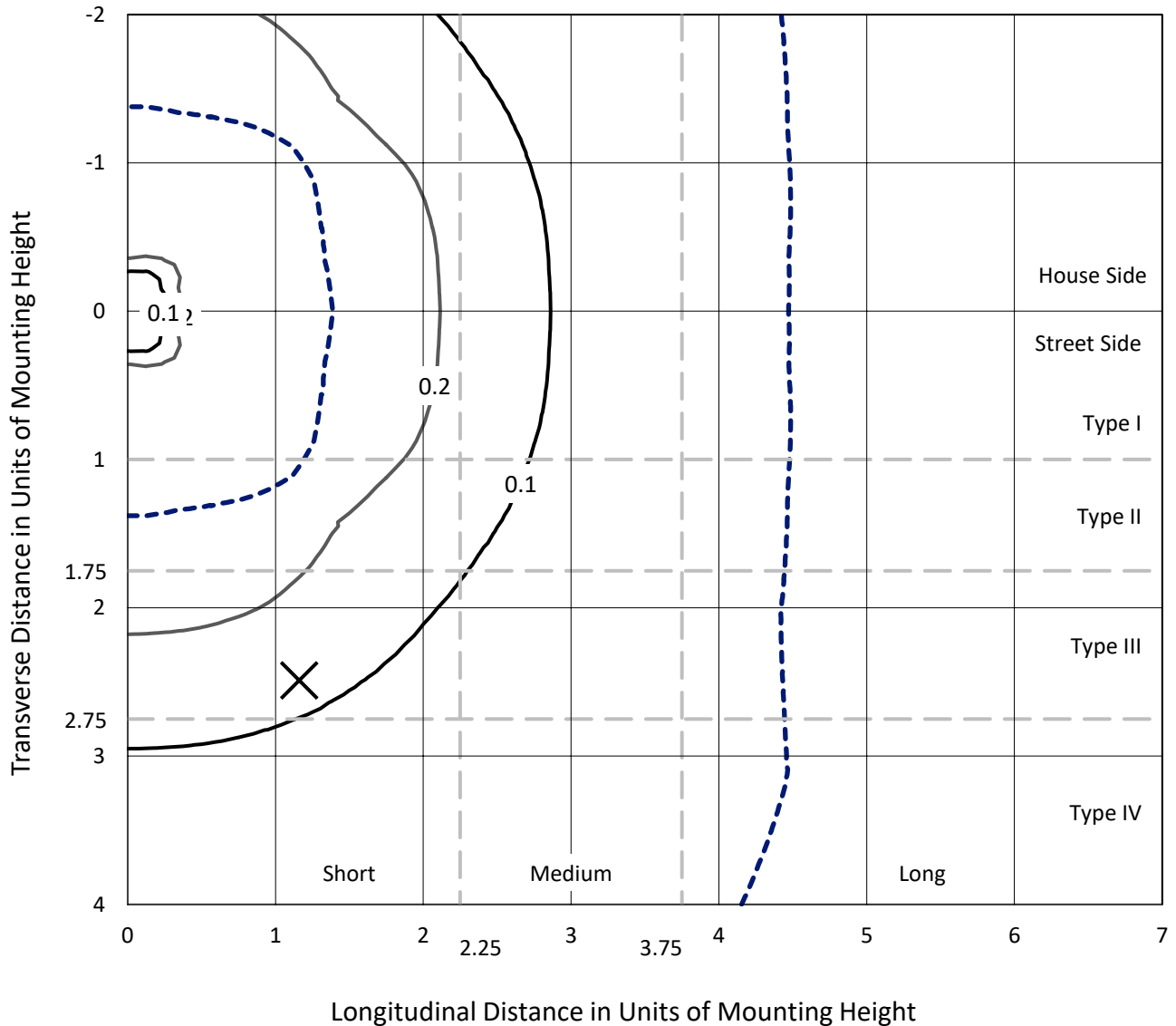
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-5WQ-CL

Iso-Footcandle Lines of Horizontal Illumination

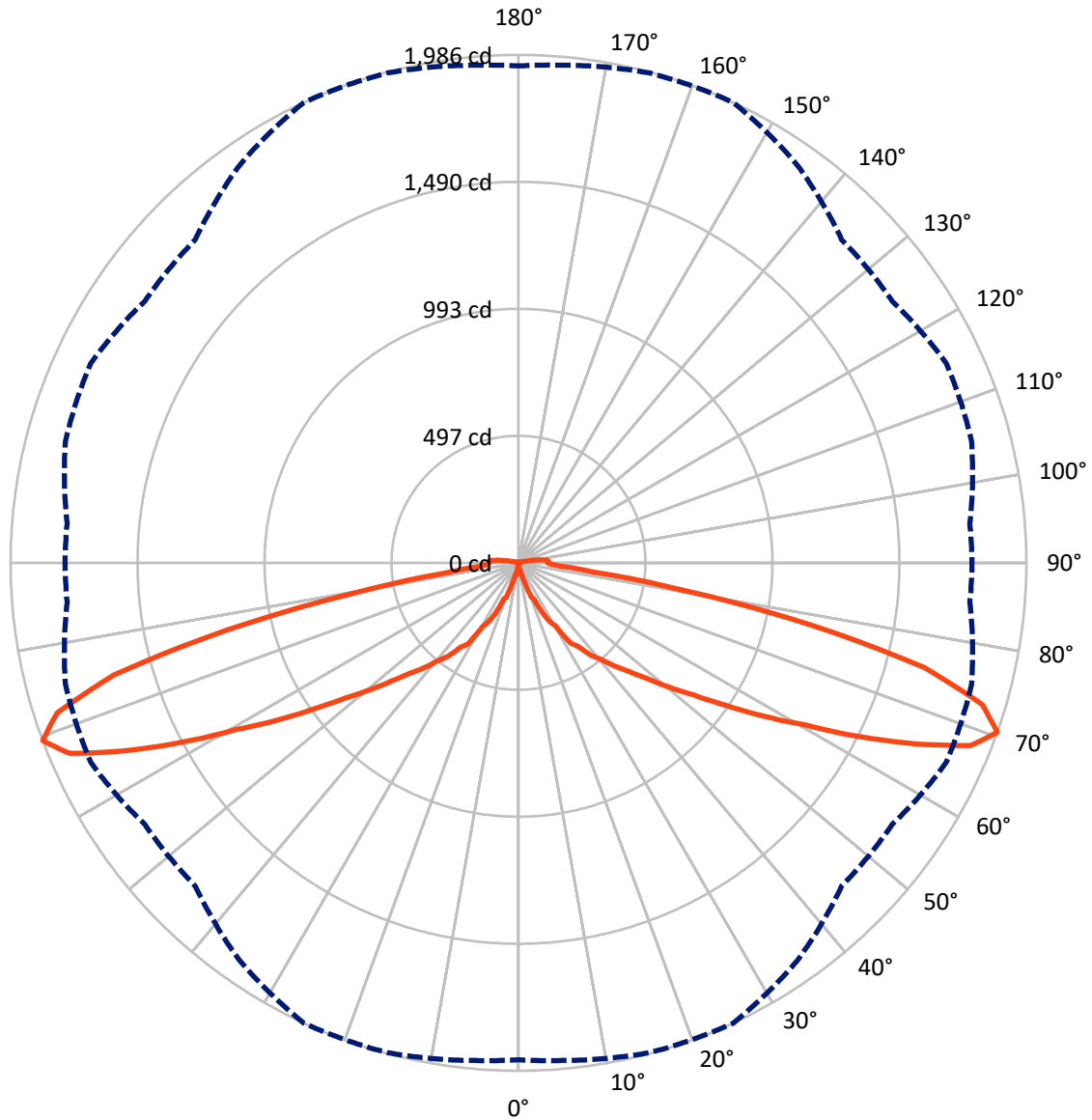
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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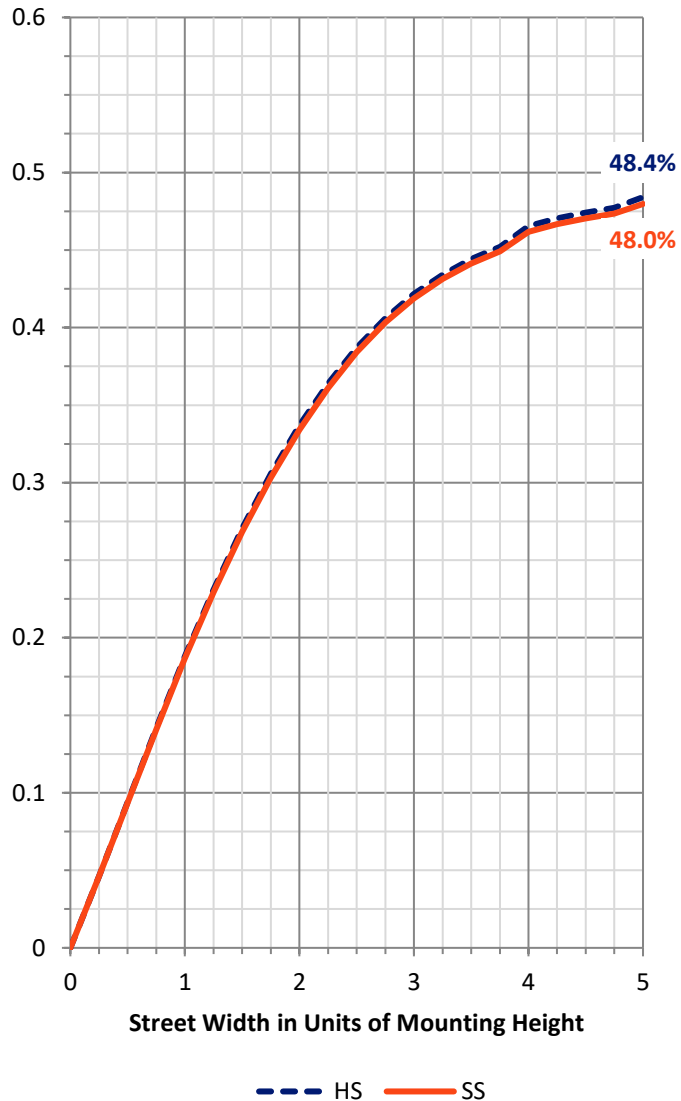
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2589.1	66.4	2655.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2589.1	66.4	2655.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	5178.2	132.7	5311.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	20.1	0.4
20°-30°	106.2	2.0
30°-40°	267.1	5.0
40°-50°	486.5	9.2
50°-60°	887.0	16.7
60°-70°	1604.5	30.2
70°-80°	1528.1	28.8
80°-90°	278.3	5.2
90°-100°	107.7	2.0
100°-110°	15.7	0.3
110°-120°	4.1	0.1
120°-130°	2.5	0.0
130°-140°	1.5	0.0
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5178.2	97.5
0°-180°	5311.0	100.0

Coefficient of Utilization



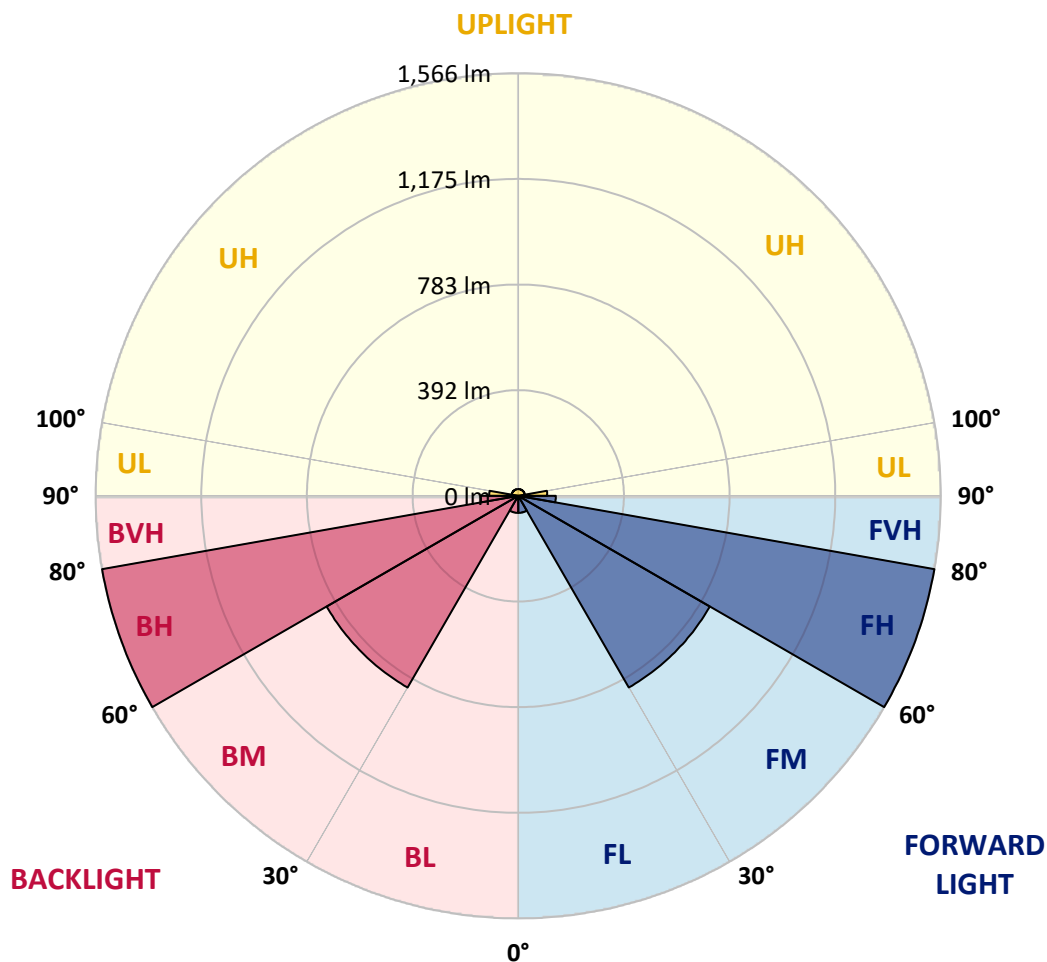
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 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.4	1.2			
FM (30°-60°)	820.3	15.4			
FH (60°-80°)	1566.3	29.5			G1/1800
FVH (80°-90°)	139.2	2.6			G2/225
BL (0°-30°)	63.4	1.2	B0/110		
BM (30°-60°)	820.3	15.4	B1/1000		
BH (60°-80°)	1566.3	29.5	B3/2500		G1/1800
BVH (80°-90°)	139.2	2.6			G2/225
UL (90°-100°)	107.7	2.0		U3/500	
UH (100°-180°)	25.1	0.5		U2/50	

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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	3.5	3.5	3.5	1.7	3.5	1.7	3.5	1.7	1.7	3.5	3.5
10°	36.3	31.1	15.6	10.4	5.2	3.5	3.5	3.5	3.5	3.5	3.5
12.5°	48.4	48.4	46.7	45.0	38.1	10.4	5.2	10.4	17.3	36.3	39.8
15°	58.8	58.8	53.6	50.2	46.7	39.8	38.1	70.9	84.8	90.0	93.4
17.5°	143.6	143.6	131.5	83.0	53.6	74.4	102.1	93.4	98.6	100.4	102.1
20°	155.7	154.0	148.8	143.6	117.7	109.0	117.7	110.7	145.3	157.4	173.0
22.5°	204.2	192.1	169.6	152.3	164.4	147.1	136.7	188.6	200.7	209.4	211.1
25°	268.2	266.5	259.5	216.3	188.6	183.4	193.8	219.7	224.9	238.8	242.2
27.5°	285.5	287.2	273.4	259.5	250.9	228.4	240.5	268.2	311.4	328.7	330.5
30°	399.7	396.2	380.6	288.9	280.3	269.9	285.5	316.6	332.2	351.2	354.7
32.5°	418.7	413.5	408.3	375.5	313.2	308.0	327.0	342.6	418.7	470.6	472.3
35°	493.1	493.1	474.1	401.4	385.8	346.0	359.9	422.2	475.8	498.3	498.3
37.5°	532.9	529.4	513.9	456.8	403.1	385.8	408.3	451.6	505.2	532.9	532.9
40°	577.9	574.4	557.1	496.6	458.5	422.2	453.3	496.6	557.1	581.3	581.3
42.5°	631.5	628.1	609.0	551.9	500.0	467.2	493.1	555.4	609.0	624.6	631.5
45°	695.5	690.4	673.1	605.6	550.2	508.7	532.9	612.5	667.9	697.3	693.8
47.5°	769.9	763.0	744.0	676.5	616.0	562.3	591.7	686.9	750.9	769.9	775.1
50°	846.1	842.6	834.0	764.8	686.9	635.0	673.1	773.4	835.7	846.1	849.5
52.5°	930.9	922.2	923.9	858.2	783.8	728.4	773.4	849.5	930.9	929.1	927.4
55°	1029.5	1027.7	1032.9	984.5	899.7	839.2	889.3	984.5	1036.4	1031.2	1020.8
57.5°	1145.4	1145.4	1159.2	1131.6	1050.2	987.9	1020.8	1122.9	1152.3	1133.3	1128.1
60°	1297.7	1289.0	1313.2	1287.3	1231.9	1148.9	1190.4	1278.6	1290.7	1266.5	1271.7
62.5°	1488.0	1484.5	1498.4	1496.6	1430.9	1334.0	1377.2	1456.8	1470.7	1449.9	1458.6
65°	1699.1	1695.6	1712.9	1707.7	1633.3	1529.5	1567.6	1655.8	1655.8	1616.0	1619.5
67.5°	1872.1	1872.1	1898.0	1906.7	1804.6	1673.1	1699.1	1801.1	1794.2	1744.0	1745.8
70°	1943.0	1953.4	1982.8	1986.3	1899.8	1787.3	1783.8	1846.1	1834.0	1771.7	1773.5
72.5°	1821.9	1827.1	1879.0	1896.3	1877.3	1827.1	1773.5	1733.7	1704.3	1661.0	1661.0
75°	1475.9	1472.4	1539.9	1640.2	1697.3	1747.5	1621.2	1507.0	1463.8	1425.7	1439.5
77.5°	937.8	922.2	998.3	1169.6	1325.3	1472.4	1334.0	1166.2	1053.7	982.8	972.4
80°	413.5	422.2	484.5	660.9	870.3	1031.2	929.1	683.4	529.4	430.8	401.4
82.5°	183.4	186.9	212.8	290.7	484.5	605.6	513.9	313.2	216.3	192.1	190.3
85°	126.3	133.2	129.8	159.2	224.9	271.6	237.0	157.4	131.5	124.6	119.4
87.5°	115.9	117.7	110.7	121.1	148.8	138.4	138.4	112.5	95.2	103.8	102.1
90°	121.1	122.8	110.7	114.2	136.7	122.8	128.0	105.5	98.6	110.7	109.0
92.5°	122.8	131.5	121.1	117.7	136.7	135.0	128.0	109.0	107.3	119.4	117.7
95°	109.0	121.1	109.0	110.7	126.3	128.0	121.1	107.3	110.7	119.4	122.8
97.5°	65.7	70.9	70.9	81.3	88.2	93.4	90.0	77.9	65.7	62.3	58.8
100°	24.2	24.2	34.6	51.9	48.4	39.8	50.2	50.2	29.4	15.6	10.4
102.5°	10.4	10.4	20.8	29.4	20.8	13.8	22.5	31.1	19.0	10.4	8.7
105°	10.4	10.4	12.1	15.6	8.7	6.9	8.7	15.6	8.7	8.7	8.7
107.5°	8.7	8.7	6.9	6.9	5.2	5.2	5.2	5.2	6.9	8.7	10.4
110°	8.7	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	8.7	8.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.9	5.2	3.5	3.5	3.5	5.2	3.5	3.5	3.5	5.2	5.2
115°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
117.5°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
120°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	3.5	5.2	5.2
122.5°	5.2	5.2	3.5	1.7	1.7	1.7	1.7	1.7	3.5	5.2	5.2
125°	5.2	5.2	3.5	1.7	1.7	1.7	1.7	1.7	3.5	5.2	5.2
127.5°	5.2	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	5.2	5.2
130°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
132.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
135°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
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)