

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: P696024

Luminaire Tested: **LXF.LXT-PA16-827-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-827-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5786 lumens  
Efficiency: N/A  
Efficacy: 80.4 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 - G3

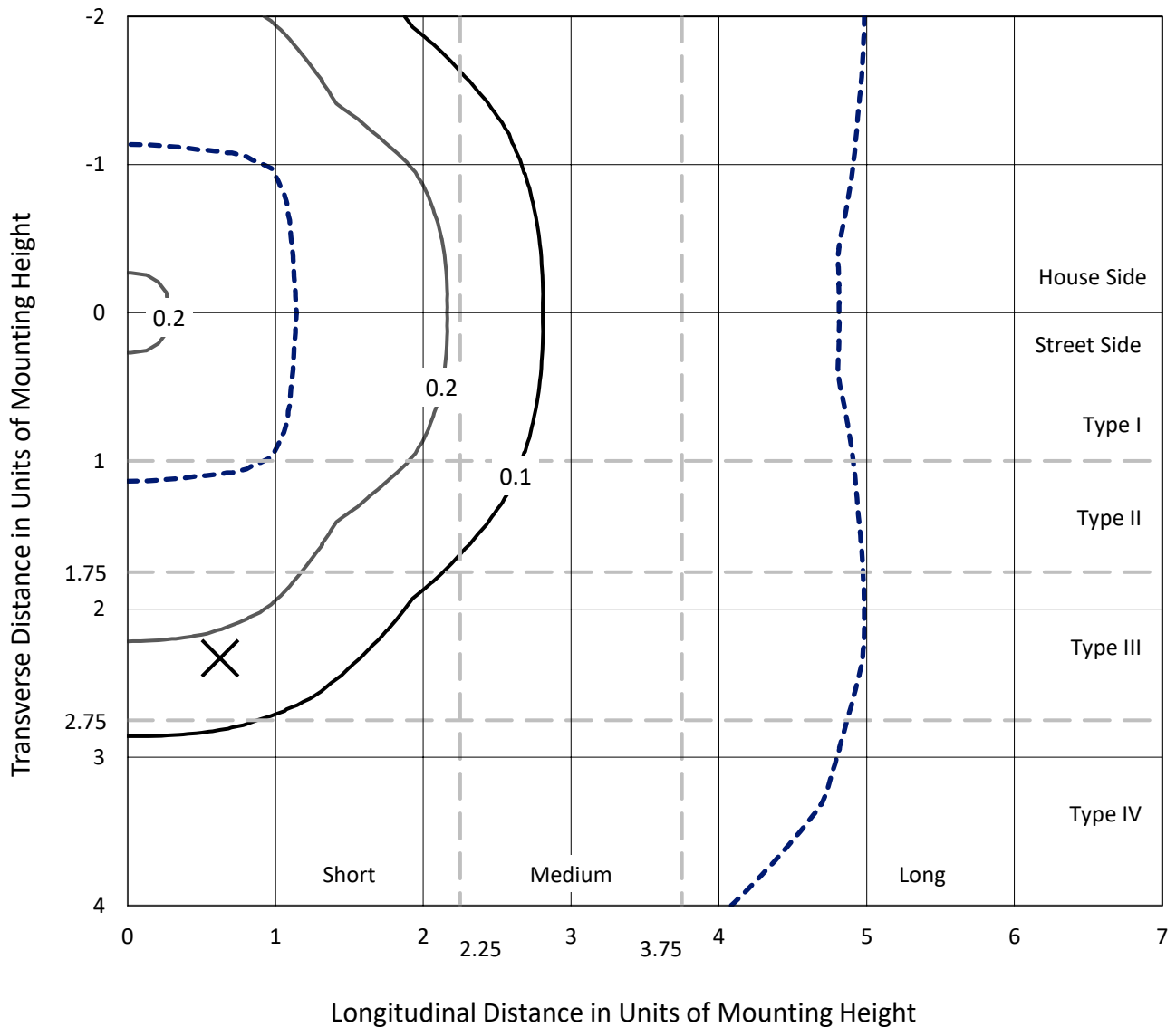
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

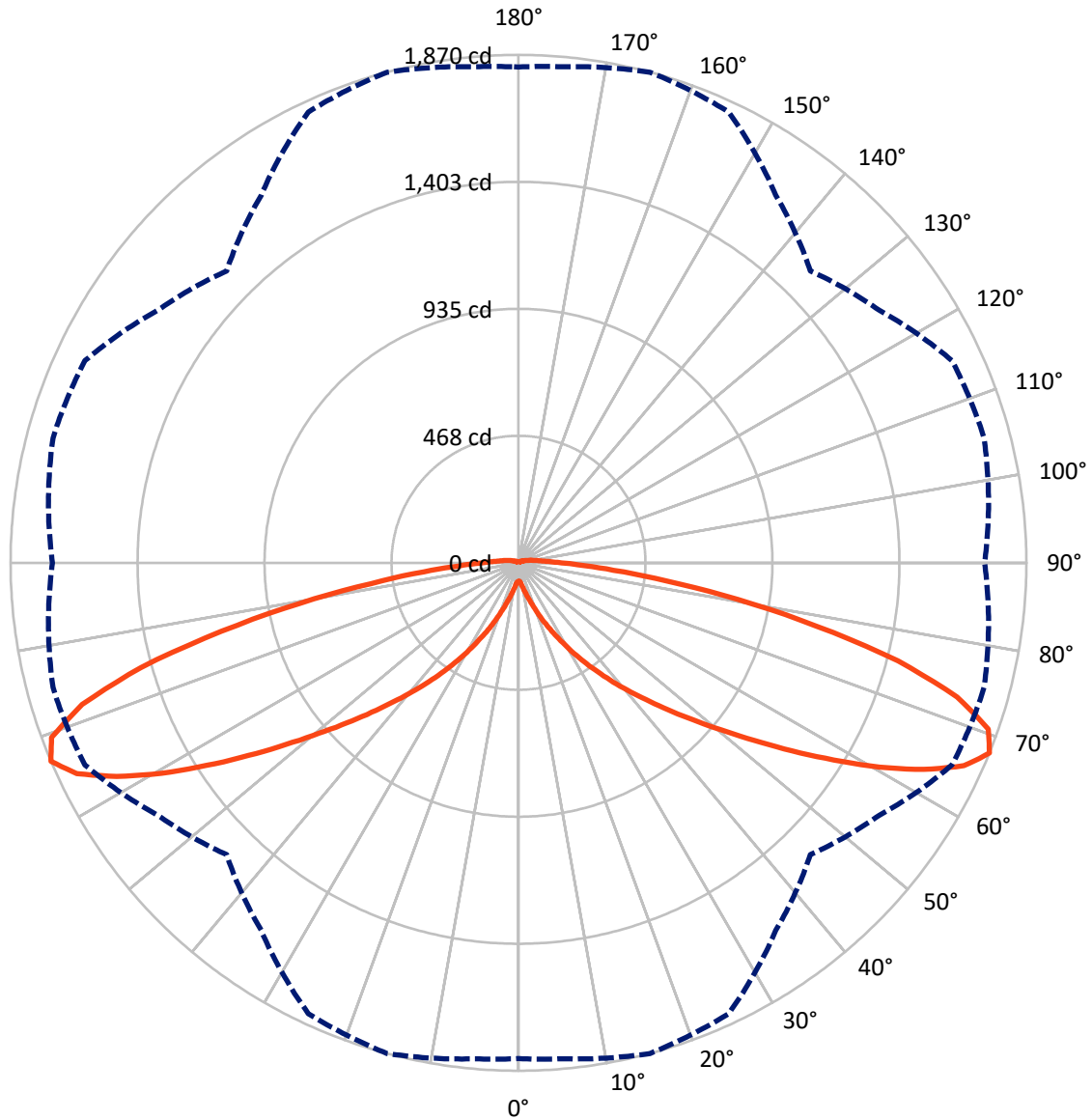
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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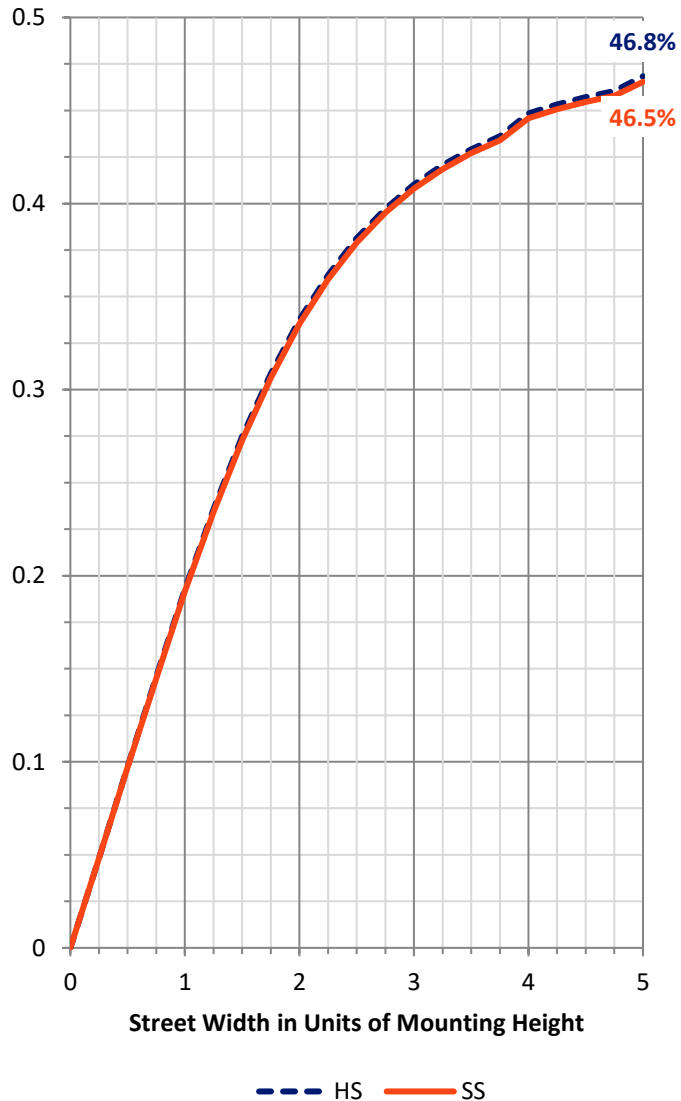
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2800.0	93.0	2893.0
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	2800.0	93.0	2893.0
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	5600.0	185.9	5786.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	39.3	0.7
20°-30°	123.2	2.1
30°-40°	289.6	5.0
40°-50°	564.7	9.8
50°-60°	1033.3	17.9
60°-70°	1623.7	28.1
70°-80°	1431.5	24.7
80°-90°	486.9	8.4
90°-100°	109.1	1.9
100°-110°	41.8	0.7
110°-120°	18.4	0.3
120°-130°	9.2	0.2
130°-140°	5.0	0.1
140°-150°	2.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5600.0	96.8
0°-180°	5786.0	100.0

**Coefficient of Utilization**



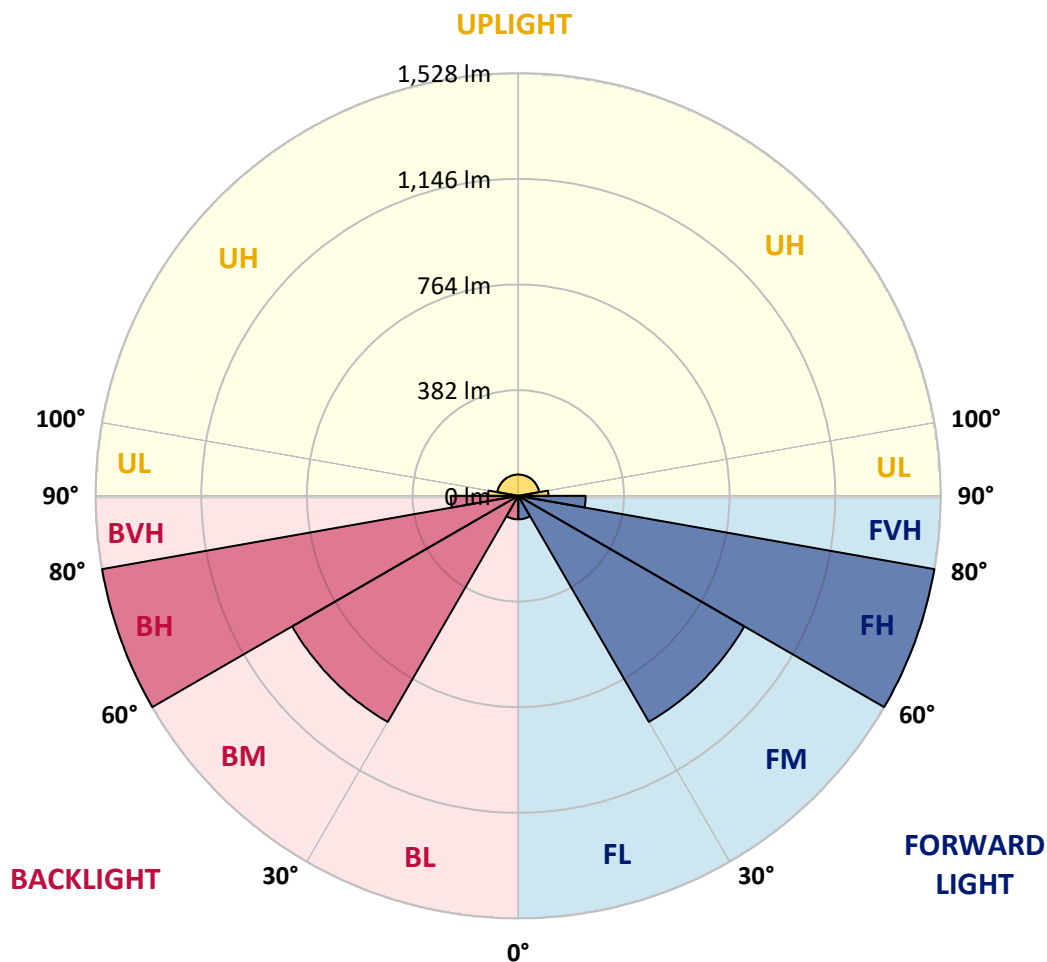
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.1	1.5			
FM (30°-60°)	943.8	16.3			
FH (60°-80°)	1527.6	26.4			G1/1800
FVH (80°-90°)	243.5	4.2			G3/500
BL (0°-30°)	85.1	1.5	B0/110		
BM (30°-60°)	943.8	16.3	B1/1000		
BH (60°-80°)	1527.6	26.4	B3/2500		G1/1800
BVH (80°-90°)	243.5	4.2			G3/500
UL (90°-100°)	109.1	1.9		U3/500	
UH (100°-180°)	76.9	1.3		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
2.5°	68.2	68.2	68.2	68.2	70.1	70.1	70.1	68.2	68.2	68.2	68.2
5°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	72.1
7.5°	81.8	81.8	81.8	81.8	81.8	83.8	81.8	81.8	81.8	81.8	81.8
10°	95.4	95.4	95.4	95.4	93.5	93.5	93.5	93.5	91.6	93.5	91.6
12.5°	113.0	113.0	113.0	111.0	109.1	109.1	109.1	107.1	109.1	109.1	109.1
15°	136.4	136.4	134.4	132.5	128.6	126.6	128.6	128.6	128.6	130.5	130.5
17.5°	161.7	163.6	159.7	155.8	151.9	151.9	150.0	151.9	155.8	157.8	157.8
20°	198.7	196.7	190.9	185.1	179.2	177.3	177.3	183.1	187.0	188.9	190.9
22.5°	235.7	235.7	229.9	218.2	210.4	206.5	208.4	214.3	224.0	231.8	231.8
25°	282.5	278.6	270.8	255.2	243.5	239.6	241.5	251.3	266.9	272.7	276.6
27.5°	329.2	327.3	315.6	298.0	280.5	272.7	278.6	296.1	313.6	325.3	329.2
30°	383.7	381.8	368.2	344.8	321.4	309.7	319.5	340.9	368.2	381.8	385.7
32.5°	444.1	442.2	424.6	393.5	362.3	350.6	362.3	393.5	424.6	442.2	444.1
35°	508.4	502.6	483.1	448.0	407.1	391.5	407.1	448.0	485.0	508.4	510.4
37.5°	572.7	568.8	547.4	506.5	457.8	438.3	455.8	508.4	549.3	576.6	570.7
40°	638.9	637.0	615.5	566.8	512.3	487.0	514.3	566.8	617.5	646.7	648.7
42.5°	714.9	714.9	687.6	637.0	570.7	541.5	570.7	638.9	695.4	718.8	720.7
45°	798.7	792.8	771.4	716.8	640.9	605.8	640.9	716.8	773.3	800.6	798.7
47.5°	886.3	882.4	862.9	808.4	718.8	681.8	716.8	804.5	862.9	882.4	882.4
50°	987.6	983.7	966.2	909.7	812.3	767.5	814.2	901.9	966.2	983.7	977.9
52.5°	1104.5	1092.8	1085.0	1030.5	925.3	866.8	917.5	1022.7	1081.1	1085.0	1085.0
55°	1219.4	1227.2	1221.4	1162.9	1046.0	975.9	1038.2	1153.2	1205.8	1213.6	1203.8
57.5°	1365.5	1373.3	1369.4	1309.0	1182.4	1098.6	1168.8	1295.4	1340.2	1338.2	1336.3
60°	1527.2	1531.1	1527.2	1474.6	1334.3	1229.1	1312.9	1445.4	1488.2	1476.5	1466.8
62.5°	1669.4	1673.3	1675.2	1636.3	1468.7	1351.9	1437.6	1587.6	1620.7	1601.2	1595.4
65°	1784.3	1782.4	1801.8	1760.9	1583.7	1453.2	1550.6	1708.3	1727.8	1696.6	1686.9
67.5°	1825.2	1833.0	1870.0	1831.1	1651.8	1519.4	1620.7	1760.9	1774.6	1735.6	1716.1
70°	1772.6	1790.1	1835.0	1815.5	1651.8	1529.1	1622.6	1745.3	1739.5	1690.8	1671.3
72.5°	1628.5	1632.4	1688.9	1698.6	1577.8	1476.5	1548.6	1636.3	1607.0	1540.8	1535.0
75°	1373.3	1373.3	1443.4	1486.3	1420.0	1338.2	1394.7	1433.7	1388.9	1311.0	1301.2
77.5°	1051.9	1063.6	1122.0	1215.5	1199.9	1161.0	1186.3	1194.1	1100.6	1018.8	1020.7
80°	740.2	755.8	818.1	913.6	940.9	938.9	944.7	894.1	806.4	740.2	730.5
82.5°	496.7	488.9	547.4	633.1	697.4	709.0	705.2	635.0	549.3	487.0	479.2
85°	301.9	303.9	350.6	420.8	479.2	508.4	487.0	424.6	346.7	305.8	303.9
87.5°	187.0	190.9	218.2	264.9	325.3	352.6	329.2	274.7	218.2	188.9	187.0
90°	126.6	126.6	144.1	173.4	214.3	241.5	220.1	177.3	144.1	126.6	124.7
92.5°	91.6	95.4	101.3	120.8	150.0	167.5	151.9	120.8	101.3	91.6	89.6
95°	72.1	72.1	77.9	87.7	109.1	120.8	109.1	89.6	77.9	70.1	70.1
97.5°	56.5	58.4	62.3	70.1	83.8	91.6	83.8	70.1	62.3	56.5	54.5
100°	44.8	46.8	50.6	58.4	68.2	72.1	68.2	58.4	50.6	44.8	44.8
102.5°	35.1	37.0	40.9	48.7	56.5	58.4	56.5	46.8	40.9	35.1	35.1
105°	27.3	27.3	33.1	40.9	46.8	48.7	46.8	39.0	33.1	27.3	27.3
107.5°	21.4	21.4	27.3	33.1	39.0	40.9	39.0	33.1	25.3	21.4	21.4
110°	17.5	17.5	21.4	27.3	33.1	35.1	33.1	27.3	21.4	17.5	17.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.6	13.6	17.5	23.4	27.3	29.2	27.3	23.4	17.5	13.6	13.6
115°	11.7	11.7	13.6	19.5	23.4	25.3	23.4	19.5	13.6	11.7	11.7
117.5°	9.7	9.7	11.7	15.6	19.5	21.4	19.5	15.6	11.7	9.7	9.7
120°	9.7	9.7	9.7	13.6	17.5	19.5	17.5	13.6	9.7	9.7	9.7
122.5°	7.8	7.8	9.7	11.7	15.6	15.6	13.6	11.7	9.7	7.8	7.8
125°	7.8	7.8	7.8	9.7	11.7	13.6	11.7	9.7	7.8	7.8	7.8
127.5°	7.8	7.8	7.8	7.8	11.7	11.7	11.7	7.8	7.8	7.8	7.8
130°	5.8	5.8	5.8	7.8	9.7	9.7	9.7	7.8	7.8	5.8	7.8
132.5°	5.8	5.8	5.8	7.8	7.8	9.7	7.8	7.8	5.8	5.8	5.8
135°	5.8	5.8	5.8	5.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8
137.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
140°	3.9	3.9	3.9	3.9	5.8	5.8	5.8	3.9	3.9	5.8	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	1.9	3.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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)