

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: P695574

Luminaire Tested: **LXF.LXT-PA16-60-727-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695574  
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-PA16-60-727-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA 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: 5812 lumens  
Efficiency: N/A  
Efficacy: 93.7 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

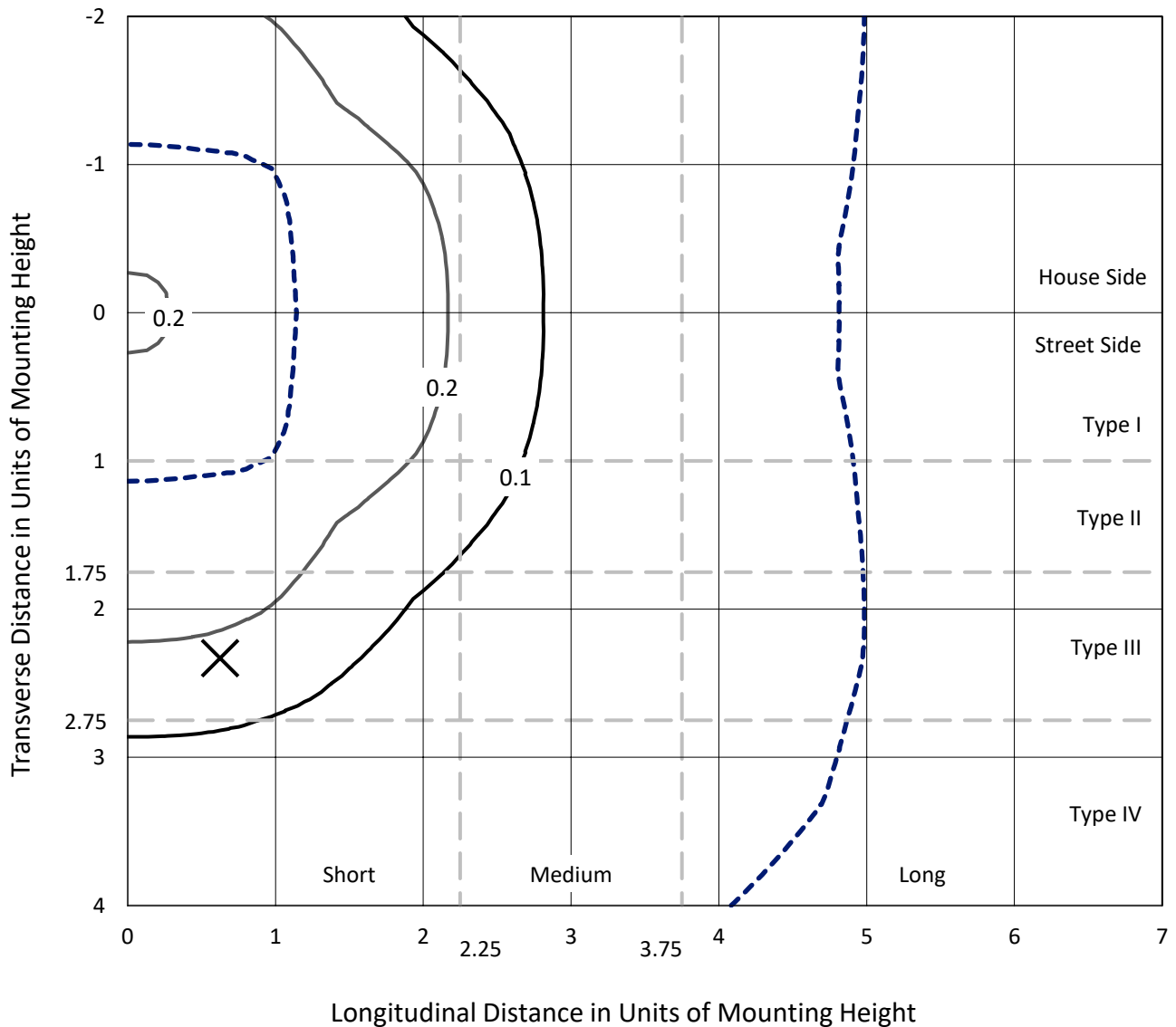
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

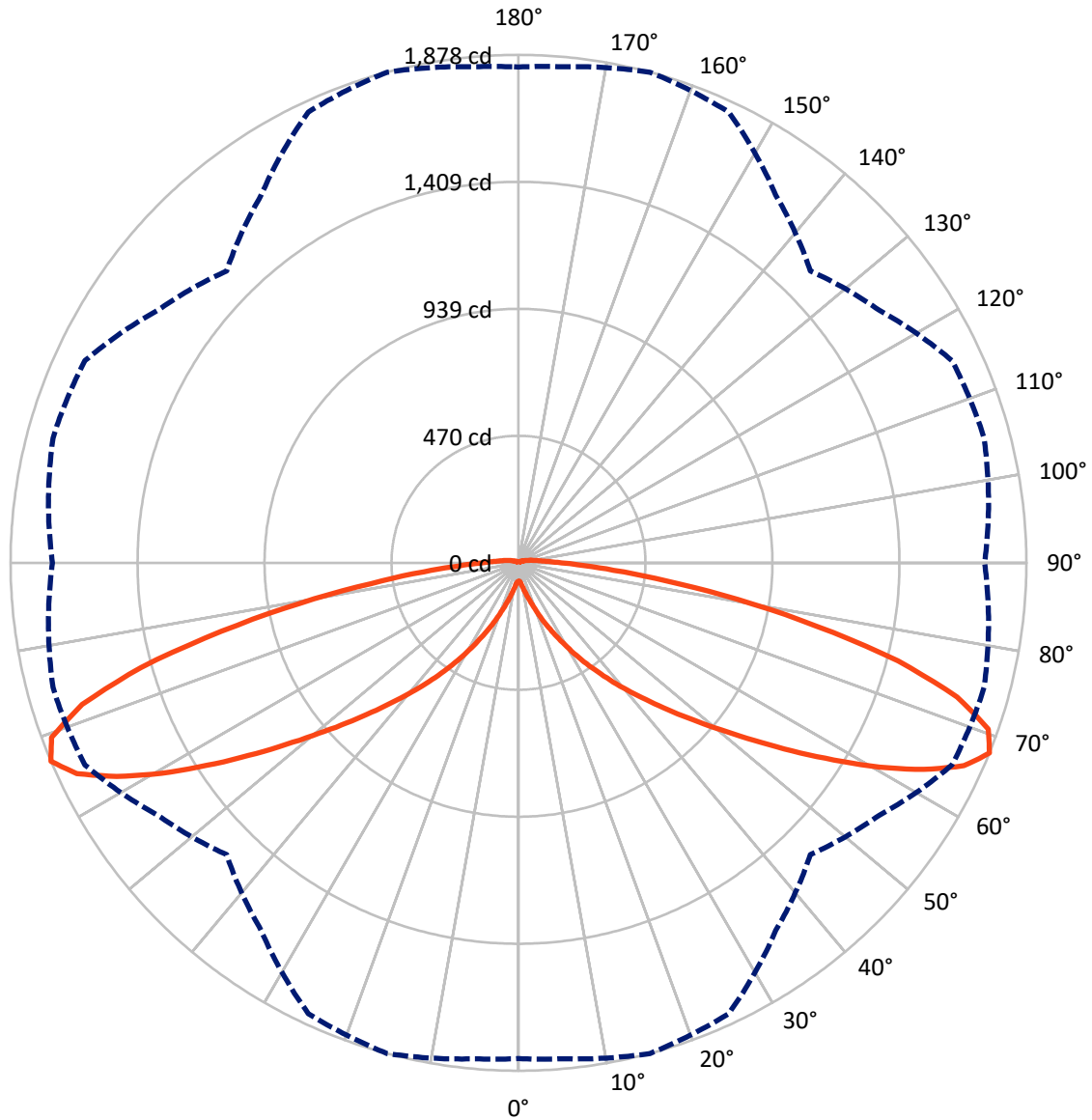
× Max cd  
 - - - 1/2 Max cd



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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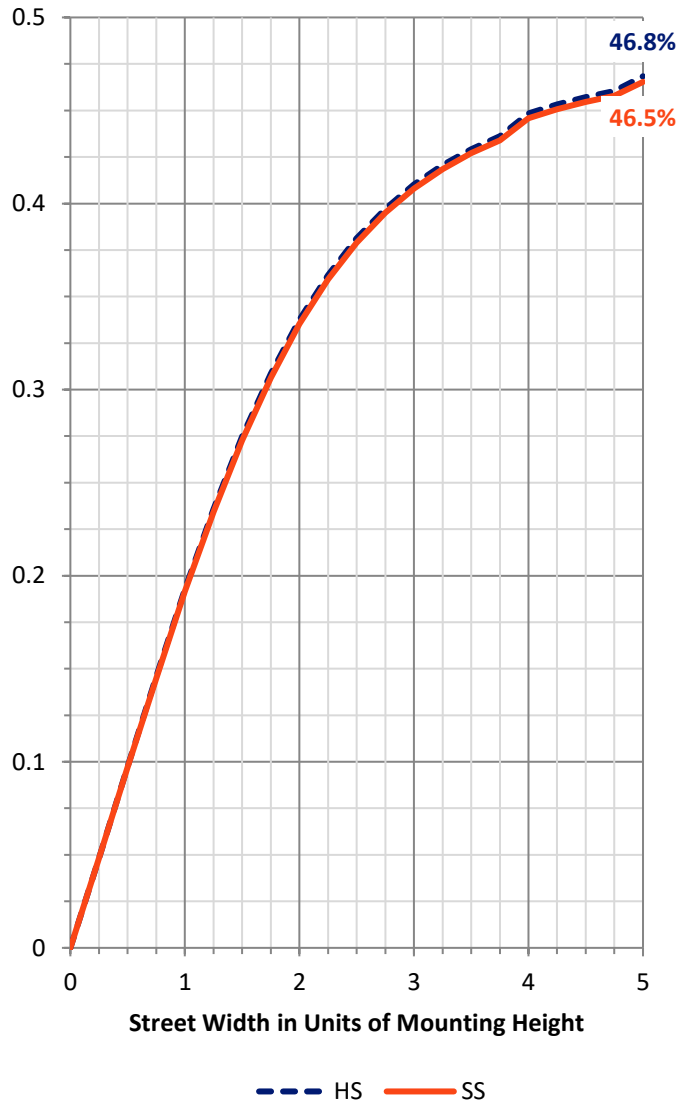
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2812.6	93.4	2906.0
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	2812.6	93.4	2906.0
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	5625.2	186.8	5812.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	39.4	0.7
20°-30°	123.8	2.1
30°-40°	290.9	5.0
40°-50°	567.3	9.8
50°-60°	1037.9	17.9
60°-70°	1631.0	28.1
70°-80°	1438.0	24.7
80°-90°	489.1	8.4
90°-100°	109.5	1.9
100°-110°	42.0	0.7
110°-120°	18.5	0.3
120°-130°	9.3	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°	5625.2	96.8
0°-180°	5812.0	100.0

**Coefficient of Utilization**



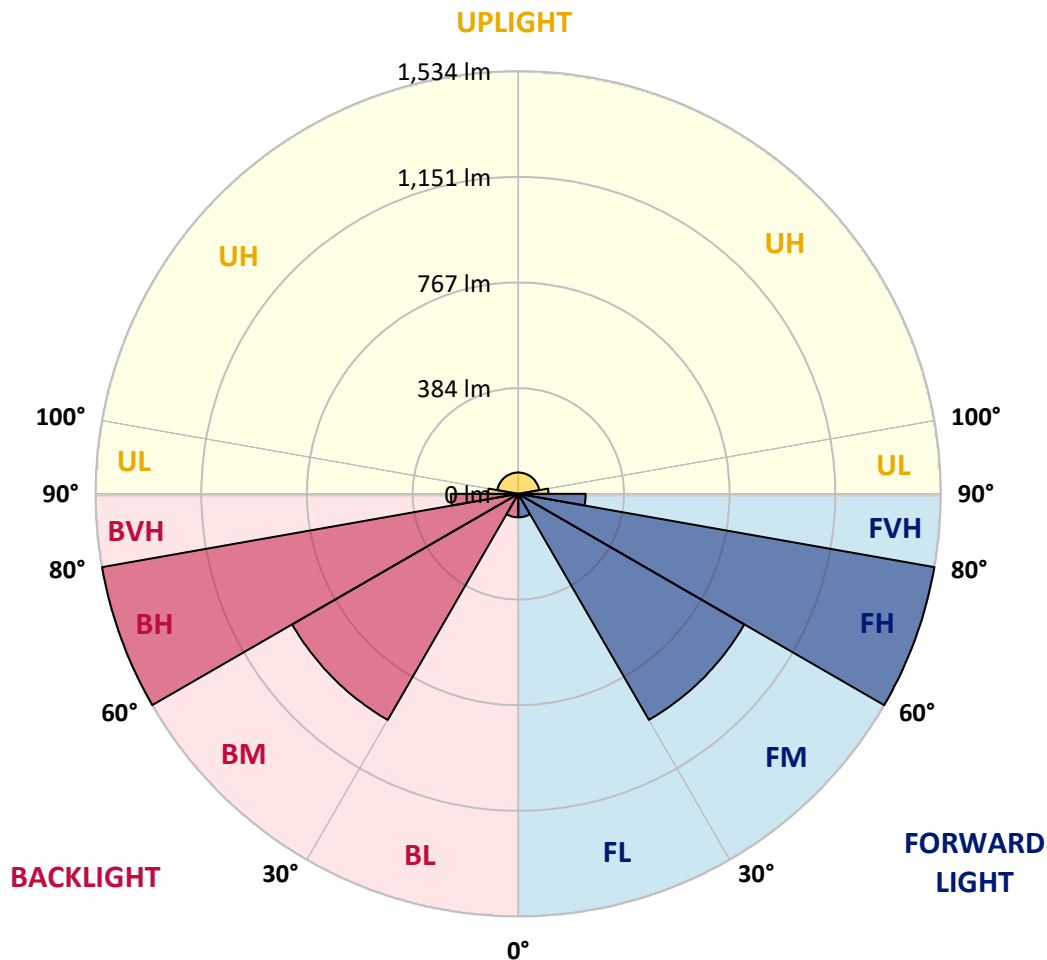
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.5	1.5			
FM (30°-60°)	948.1	16.3			
FH (60°-80°)	1534.5	26.4			G1/1800
FVH (80°-90°)	244.6	4.2			G3/500
BL (0°-30°)	85.5	1.5	B0/110		
BM (30°-60°)	948.1	16.3	B1/1000		
BH (60°-80°)	1534.5	26.4	B3/2500		G1/1800
BVH (80°-90°)	244.6	4.2			G3/500
UL (90°-100°)	109.5	1.9		U3/500	
UH (100°-180°)	77.3	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°	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2.5°	68.5	68.5	68.5	68.5	70.4	70.4	70.4	68.5	68.5	68.5	68.5
5°	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	72.4
7.5°	82.2	82.2	82.2	82.2	82.2	84.1	82.2	82.2	82.2	82.2	82.2
10°	95.9	95.9	95.9	95.9	93.9	93.9	93.9	93.9	92.0	93.9	92.0
12.5°	113.5	113.5	113.5	111.5	109.6	109.6	109.6	107.6	109.6	109.6	109.6
15°	137.0	137.0	135.0	133.1	129.1	127.2	129.1	129.1	129.1	131.1	131.1
17.5°	162.4	164.4	160.4	156.5	152.6	152.6	150.7	152.6	156.5	158.5	158.5
20°	199.6	197.6	191.8	185.9	180.0	178.1	178.1	183.9	187.8	189.8	191.8
22.5°	236.8	236.8	230.9	219.1	211.3	207.4	209.4	215.2	225.0	232.8	232.8
25°	283.7	279.8	272.0	256.3	244.6	240.7	242.6	252.4	268.1	273.9	277.8
27.5°	330.7	328.7	317.0	299.4	281.8	273.9	279.8	297.4	315.0	326.8	330.7
30°	385.5	383.5	369.8	346.3	322.9	311.1	320.9	342.4	369.8	383.5	387.4
32.5°	446.1	444.2	426.6	395.3	363.9	352.2	363.9	395.3	426.6	444.2	446.1
35°	510.7	504.8	485.3	450.0	408.9	393.3	408.9	450.0	487.2	510.7	512.7
37.5°	575.3	571.4	549.8	508.7	459.8	440.3	457.9	510.7	551.8	579.2	573.3
40°	641.8	639.8	618.3	569.4	514.6	489.2	516.6	569.4	620.3	649.6	651.6
42.5°	718.1	718.1	690.7	639.8	573.3	544.0	573.3	641.8	698.5	722.0	724.0
45°	802.2	796.4	774.8	720.1	643.7	608.5	643.7	720.1	776.8	804.2	802.2
47.5°	890.3	886.4	866.8	812.0	722.0	684.8	720.1	808.1	866.8	886.4	886.4
50°	992.0	988.1	970.5	913.8	815.9	770.9	817.9	905.9	970.5	988.1	982.3
52.5°	1109.4	1097.7	1089.9	1035.1	929.4	870.7	921.6	1027.3	1086.0	1089.9	1089.9
55°	1224.9	1232.7	1226.8	1168.1	1050.7	980.3	1042.9	1158.4	1211.2	1219.0	1209.2
57.5°	1371.6	1379.5	1375.5	1314.9	1187.7	1103.6	1174.0	1301.2	1346.2	1344.2	1342.3
60°	1534.0	1538.0	1534.0	1481.2	1340.3	1234.7	1318.8	1451.9	1494.9	1483.2	1473.4
62.5°	1676.9	1680.8	1682.7	1643.6	1475.3	1357.9	1444.0	1594.7	1628.0	1608.4	1602.5
65°	1792.3	1790.4	1809.9	1768.8	1590.8	1459.7	1557.5	1716.0	1735.6	1704.3	1694.5
67.5°	1833.4	1841.2	1878.4	1839.3	1659.3	1526.2	1628.0	1768.8	1782.5	1743.4	1723.8
70°	1780.6	1798.2	1843.2	1823.6	1659.3	1536.0	1629.9	1753.2	1747.3	1698.4	1678.8
72.5°	1635.8	1639.7	1696.4	1706.2	1584.9	1483.2	1555.6	1643.6	1614.3	1547.7	1541.9
75°	1379.5	1379.5	1449.9	1493.0	1426.4	1344.2	1401.0	1440.1	1395.1	1316.8	1307.1
77.5°	1056.6	1068.3	1127.1	1221.0	1205.3	1166.2	1191.6	1199.4	1105.5	1023.3	1025.3
80°	743.5	759.2	821.8	917.7	945.1	943.1	949.0	898.1	810.1	743.5	733.8
82.5°	499.0	491.1	549.8	635.9	700.5	712.2	708.3	637.9	551.8	489.2	481.3
85°	303.3	305.2	352.2	422.6	481.3	510.7	489.2	426.6	348.3	307.2	305.2
87.5°	187.8	191.8	219.1	266.1	326.8	354.2	330.7	275.9	219.1	189.8	187.8
90°	127.2	127.2	144.8	174.1	215.2	242.6	221.1	178.1	144.8	127.2	125.2
92.5°	92.0	95.9	101.7	121.3	150.7	168.3	152.6	121.3	101.7	92.0	90.0
95°	72.4	72.4	78.3	88.1	109.6	121.3	109.6	90.0	78.3	70.4	70.4
97.5°	56.7	58.7	62.6	70.4	84.1	92.0	84.1	70.4	62.6	56.7	54.8
100°	45.0	47.0	50.9	58.7	68.5	72.4	68.5	58.7	50.9	45.0	45.0
102.5°	35.2	37.2	41.1	48.9	56.7	58.7	56.7	47.0	41.1	35.2	35.2
105°	27.4	27.4	33.3	41.1	47.0	48.9	47.0	39.1	33.3	27.4	27.4
107.5°	21.5	21.5	27.4	33.3	39.1	41.1	39.1	33.3	25.4	21.5	21.5
110°	17.6	17.6	21.5	27.4	33.3	35.2	33.3	27.4	21.5	17.6	17.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.7	13.7	17.6	23.5	27.4	29.4	27.4	23.5	17.6	13.7	13.7
115°	11.7	11.7	13.7	19.6	23.5	25.4	23.5	19.6	13.7	11.7	11.7
117.5°	9.8	9.8	11.7	15.7	19.6	21.5	19.6	15.7	11.7	9.8	9.8
120°	9.8	9.8	9.8	13.7	17.6	19.6	17.6	13.7	9.8	9.8	9.8
122.5°	7.8	7.8	9.8	11.7	15.7	15.7	13.7	11.7	9.8	7.8	7.8
125°	7.8	7.8	7.8	9.8	11.7	13.7	11.7	9.8	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°	5.9	5.9	5.9	7.8	9.8	9.8	9.8	7.8	7.8	5.9	7.8
132.5°	5.9	5.9	5.9	7.8	7.8	9.8	7.8	7.8	5.9	5.9	5.9
135°	5.9	5.9	5.9	5.9	7.8	7.8	7.8	5.9	5.9	5.9	5.9
137.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
140°	3.9	3.9	3.9	3.9	5.9	5.9	5.9	3.9	3.9	5.9	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°	2.0	3.9	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)