

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: P695481

Luminaire Tested: **LXF.LXT-PA16-50-827-U-5WQ-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-827-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4623.1 lumens  
Efficiency: N/A  
Efficacy: 87.1 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

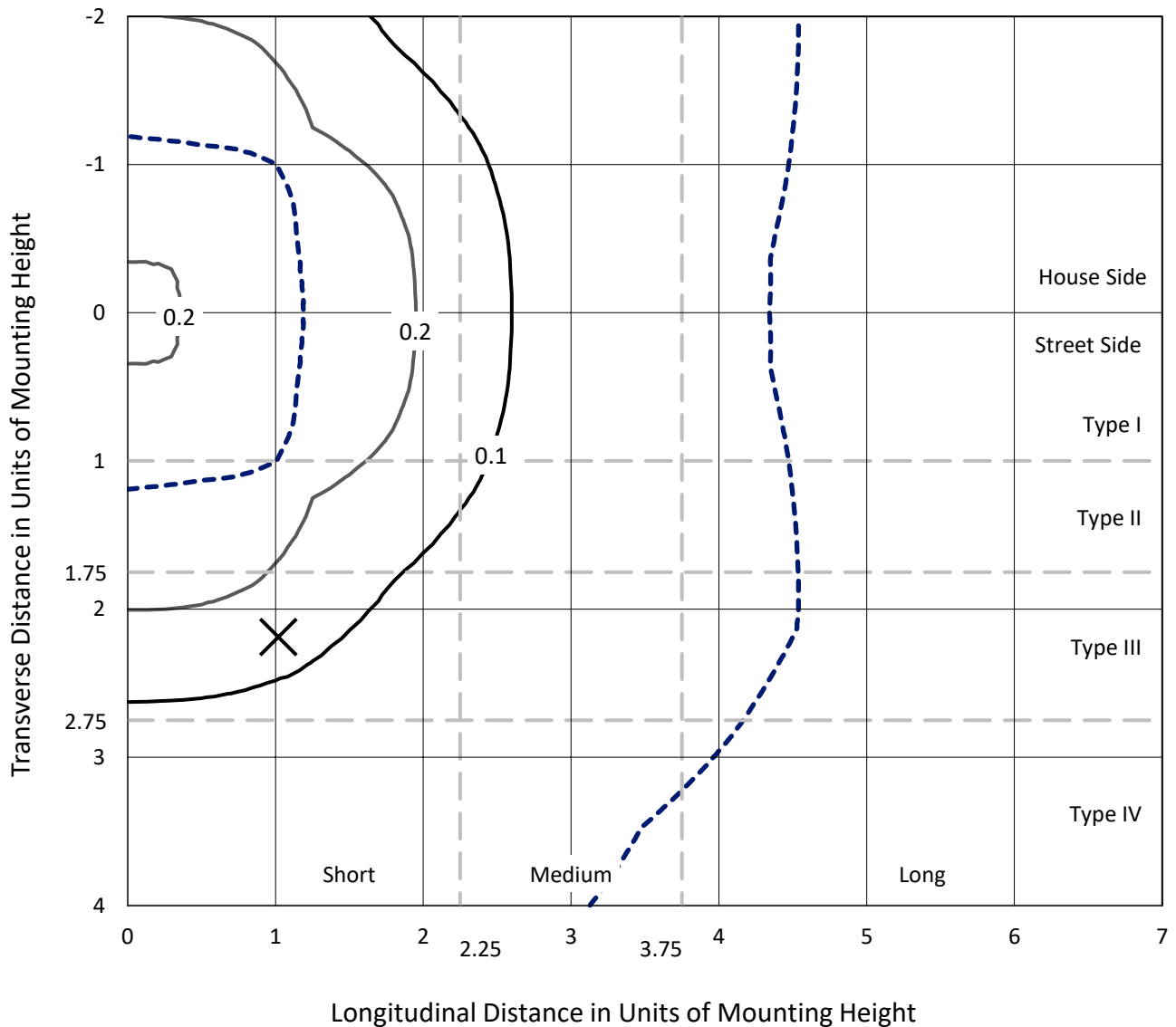
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

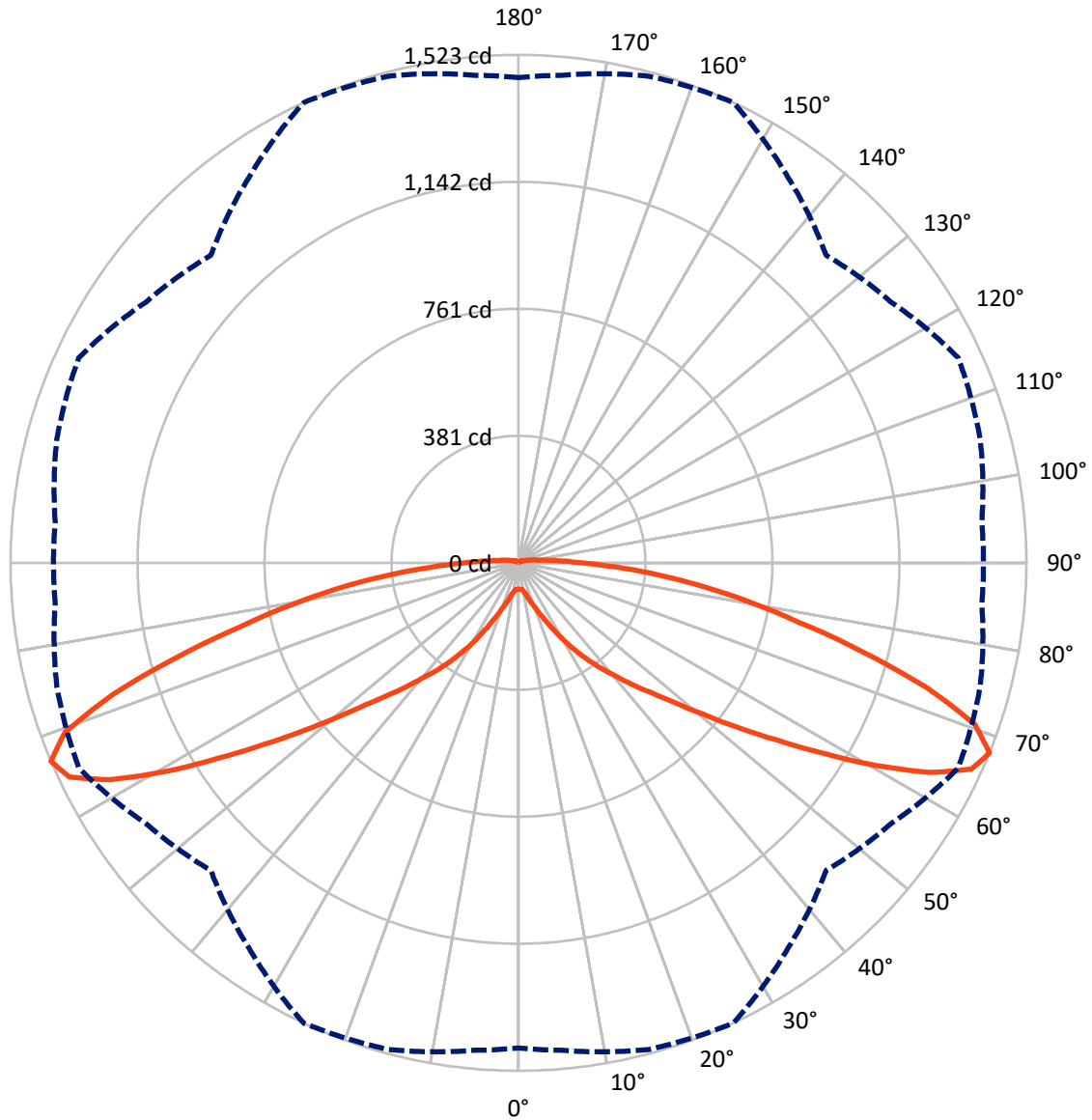
× Max cd  
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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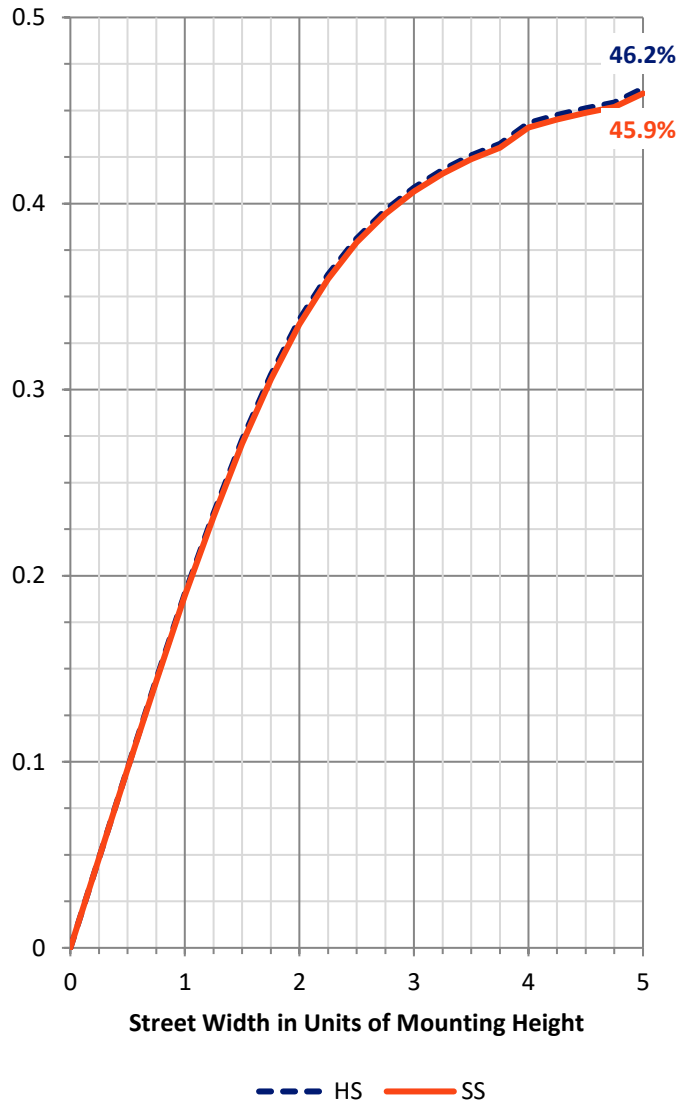
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2228.5	83.1	2311.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2228.5	83.1	2311.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	4456.9	166.2	4623.1
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.2
10°-20°	32.5	0.7
20°-30°	96.7	2.1
30°-40°	231.8	5.0
40°-50°	435.4	9.4
50°-60°	826.9	17.9
60°-70°	1342.2	29.0
70°-80°	1053.9	22.8
80°-90°	429.8	9.3
90°-100°	104.8	2.3
100°-110°	33.0	0.7
110°-120°	14.0	0.3
120°-130°	7.7	0.2
130°-140°	4.6	0.1
140°-150°	2.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4456.9	96.4
0°-180°	4623.1	100.0

**Coefficient of Utilization**



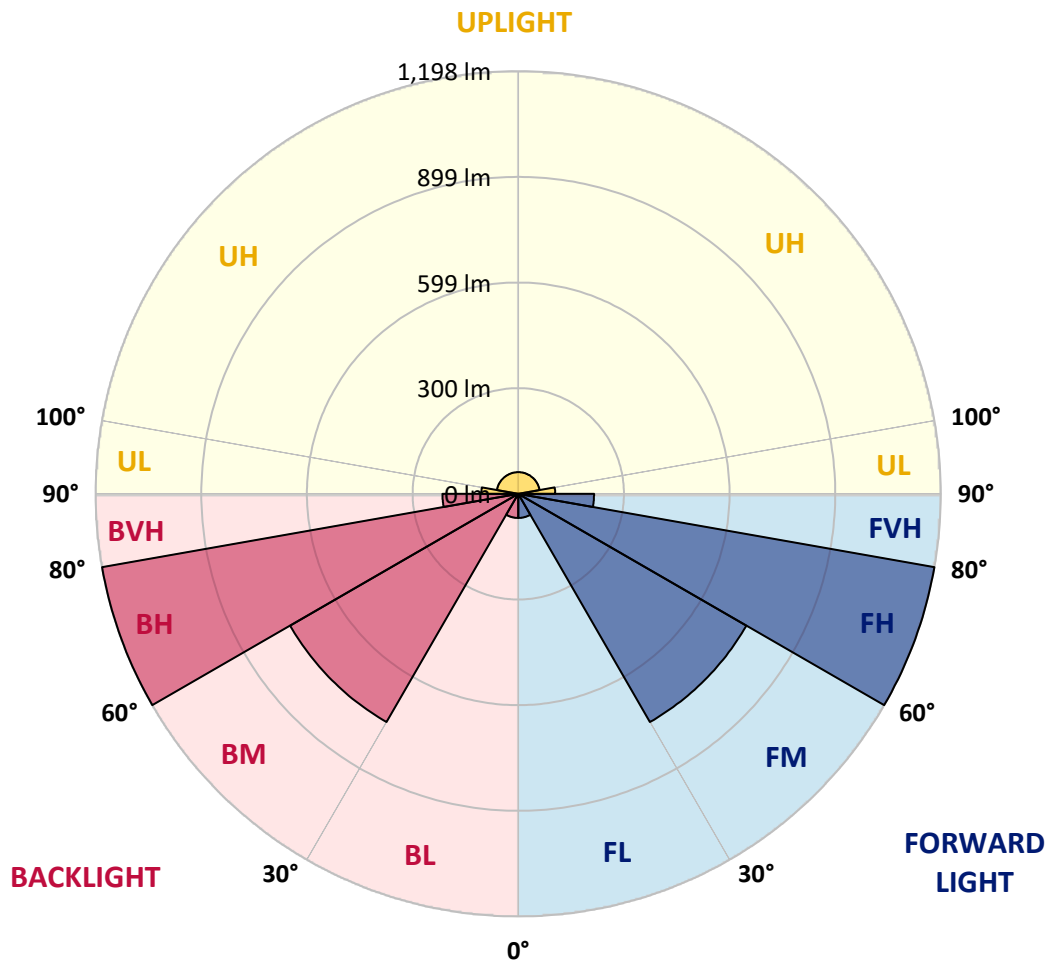
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.5	1.5			
FM (30°-60°)	747.0	16.2			
FH (60°-80°)	1198.0	25.9			G1/1800
FVH (80°-90°)	214.9	4.6			G2/225
BL (0°-30°)	68.5	1.5	B0/110		
BM (30°-60°)	747.0	16.2	B1/1000		
BH (60°-80°)	1198.0	25.9	B3/2500		G1/1800
BVH (80°-90°)	214.9	4.6			G2/225
UL (90°-100°)	104.8	2.3		U3/500	
UH (100°-180°)	61.4	1.3		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°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2.5°	77.5	77.5	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
5°	79.1	79.1	79.1	79.1	80.6	80.6	80.6	79.1	79.1	79.1	79.1
7.5°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
10°	88.4	88.4	86.8	88.4	86.8	86.8	86.8	85.3	86.8	86.8	86.8
12.5°	99.2	99.2	97.7	96.1	94.6	93.0	93.0	93.0	94.6	96.1	96.1
15°	114.8	114.8	113.2	110.1	105.4	103.9	105.4	107.0	108.6	111.7	111.7
17.5°	133.4	133.4	130.3	125.6	121.0	119.4	121.0	124.1	127.2	130.3	131.8
20°	156.6	155.1	152.0	144.2	139.6	138.0	139.6	142.7	148.9	153.5	153.5
22.5°	184.5	184.5	178.3	169.0	161.3	159.7	159.7	167.5	175.2	183.0	184.5
25°	218.7	220.2	210.9	196.9	187.6	183.0	186.1	196.9	210.9	220.2	223.3
27.5°	263.6	262.1	249.7	231.1	215.6	207.8	215.6	231.1	251.2	262.1	266.7
30°	310.1	310.1	294.6	271.4	248.1	238.8	249.7	269.8	294.6	311.7	314.8
32.5°	356.7	356.7	338.1	313.2	283.8	269.8	283.8	316.3	348.9	370.6	375.3
35°	406.3	409.4	386.1	355.1	319.4	305.5	322.6	362.9	404.7	428.0	429.6
37.5°	446.6	446.6	431.1	400.1	356.7	339.6	362.9	417.1	460.6	480.7	486.9
40°	499.3	500.9	482.3	443.5	398.5	378.4	407.8	463.7	497.8	507.1	510.2
42.5°	553.6	555.2	539.7	497.8	442.0	420.2	449.7	499.3	530.3	544.3	549.0
45°	604.8	609.4	593.9	553.6	494.7	463.7	490.0	545.9	586.2	601.7	606.3
47.5°	673.0	680.8	663.7	621.8	553.6	516.4	544.3	614.1	662.2	674.6	674.6
50°	753.7	761.4	755.2	710.2	628.0	581.5	620.3	697.8	747.4	764.5	763.0
52.5°	860.7	863.8	857.6	815.7	721.1	663.7	705.6	800.2	848.2	842.0	849.8
55°	972.3	980.1	984.7	936.6	835.8	764.5	821.9	914.9	950.6	953.7	952.1
57.5°	1107.2	1119.6	1115.0	1077.8	963.0	888.6	945.9	1037.4	1088.6	1085.5	1093.3
60°	1251.4	1257.6	1270.0	1234.4	1121.2	1020.4	1084.0	1191.0	1223.5	1200.3	1203.4
62.5°	1367.7	1377.0	1398.8	1384.8	1263.8	1155.3	1222.0	1308.8	1327.4	1304.2	1308.8
65°	1460.8	1468.5	1502.7	1491.8	1373.9	1262.3	1324.3	1412.7	1417.4	1383.2	1380.1
67.5°	1454.6	1467.0	1510.4	1522.8	1409.6	1304.2	1363.1	1454.6	1432.9	1394.1	1394.1
70°	1352.2	1353.8	1406.5	1451.5	1349.1	1251.4	1319.7	1384.8	1364.6	1319.7	1313.5
72.5°	1161.5	1180.1	1240.6	1279.3	1212.7	1135.1	1177.0	1240.6	1173.9	1111.9	1107.2
75°	938.2	935.1	990.9	1065.3	1031.2	966.1	1015.7	1029.7	969.2	916.5	904.1
77.5°	749.0	755.2	803.3	860.7	854.4	812.6	826.5	838.9	784.7	728.8	725.7
80°	597.0	597.0	656.0	693.2	694.7	677.7	680.8	673.0	615.6	580.0	573.8
82.5°	446.6	449.7	490.0	538.1	569.1	564.5	553.6	530.3	483.8	445.1	443.5
85°	303.9	310.1	344.3	397.0	442.0	452.8	446.6	393.9	336.5	299.3	294.6
87.5°	200.0	204.7	224.9	266.7	325.7	355.1	330.3	272.9	224.9	204.7	198.5
90°	134.9	138.0	150.4	173.7	228.0	259.0	231.1	179.9	147.3	133.4	133.4
92.5°	91.5	93.0	102.3	117.9	153.5	179.9	155.1	119.4	99.2	89.9	88.4
95°	62.0	63.6	69.8	80.6	105.4	121.0	105.4	79.1	69.8	63.6	62.0
97.5°	48.1	49.6	52.7	58.9	74.4	83.7	72.9	58.9	52.7	49.6	48.1
100°	38.8	38.8	43.4	46.5	54.3	60.5	54.3	45.0	41.9	38.8	38.8
102.5°	31.0	32.6	34.1	37.2	43.4	48.1	43.4	35.7	32.6	31.0	31.0
105°	24.8	24.8	26.4	29.5	34.1	37.2	34.1	29.5	26.4	24.8	23.3
107.5°	20.2	18.6	21.7	24.8	27.9	31.0	27.9	23.3	20.2	18.6	18.6
110°	15.5	15.5	17.1	20.2	23.3	24.8	23.3	18.6	17.1	15.5	15.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.4	12.4	14.0	15.5	20.2	21.7	18.6	15.5	14.0	12.4	12.4
115°	10.9	10.9	10.9	14.0	17.1	18.6	17.1	12.4	10.9	10.9	10.9
117.5°	9.3	9.3	9.3	10.9	14.0	15.5	14.0	10.9	9.3	9.3	9.3
120°	9.3	9.3	9.3	9.3	12.4	14.0	12.4	9.3	9.3	9.3	9.3
122.5°	7.8	7.8	7.8	9.3	10.9	12.4	10.9	9.3	7.8	7.8	7.8
125°	7.8	7.8	7.8	7.8	9.3	10.9	9.3	7.8	7.8	7.8	7.8
127.5°	6.2	6.2	6.2	7.8	9.3	9.3	9.3	7.8	6.2	6.2	6.2
130°	6.2	6.2	6.2	6.2	7.8	7.8	7.8	6.2	6.2	6.2	6.2
132.5°	6.2	6.2	6.2	6.2	7.8	7.8	7.8	6.2	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
137.5°	4.7	4.7	4.7	4.7	4.7	6.2	4.7	4.7	4.7	4.7	4.7
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	3.1	3.1	4.7	4.7	3.1	3.1	3.1	4.7	4.7
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	1.6	1.6	1.6	1.6	1.6	3.1	1.6	1.6	1.6	1.6	1.6
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)