

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: P695571

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695571  
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-PA16-60-727-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA 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: 5833 lumens  
Efficiency: N/A  
Efficacy: 94.1 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 - G3

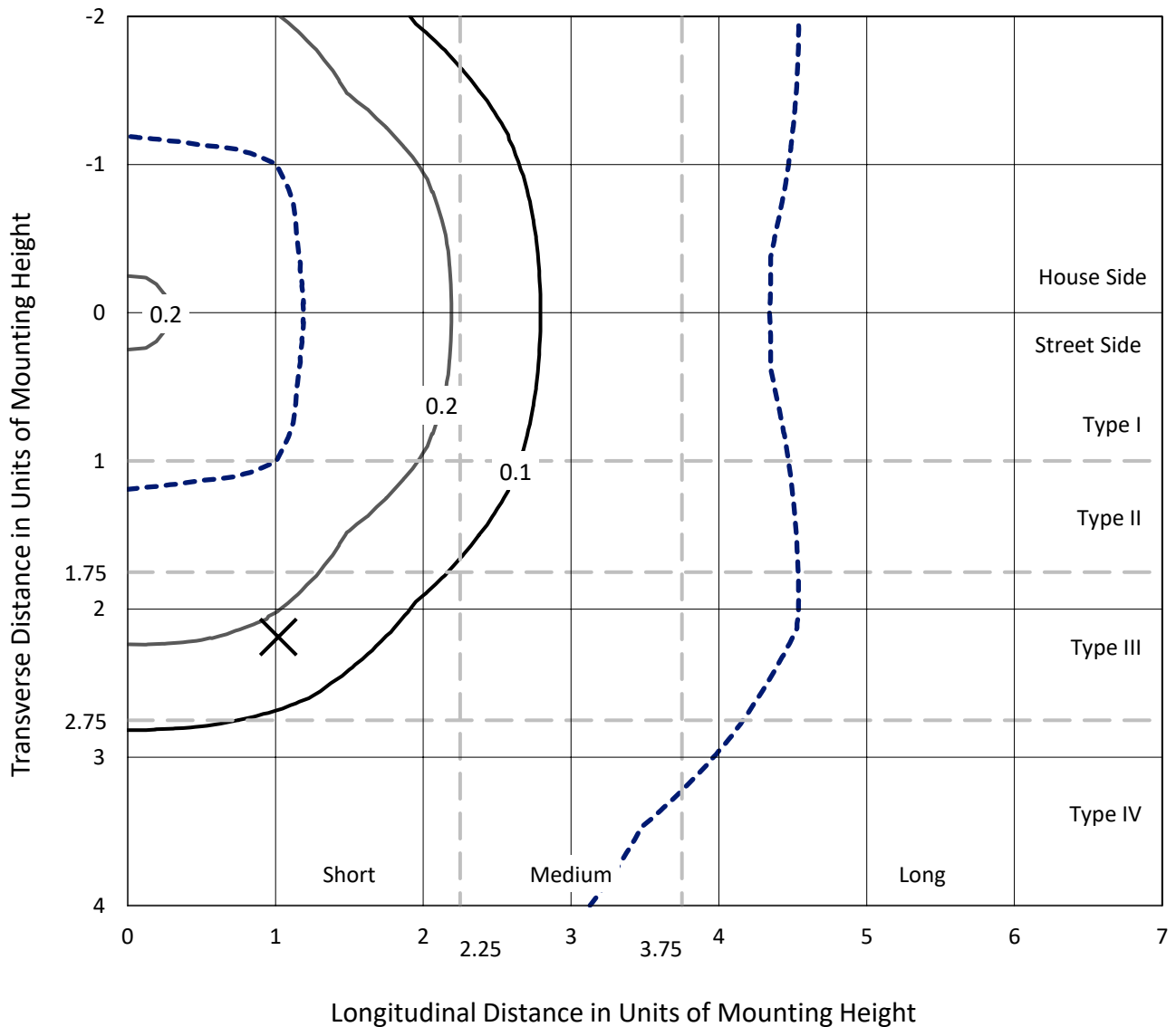
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

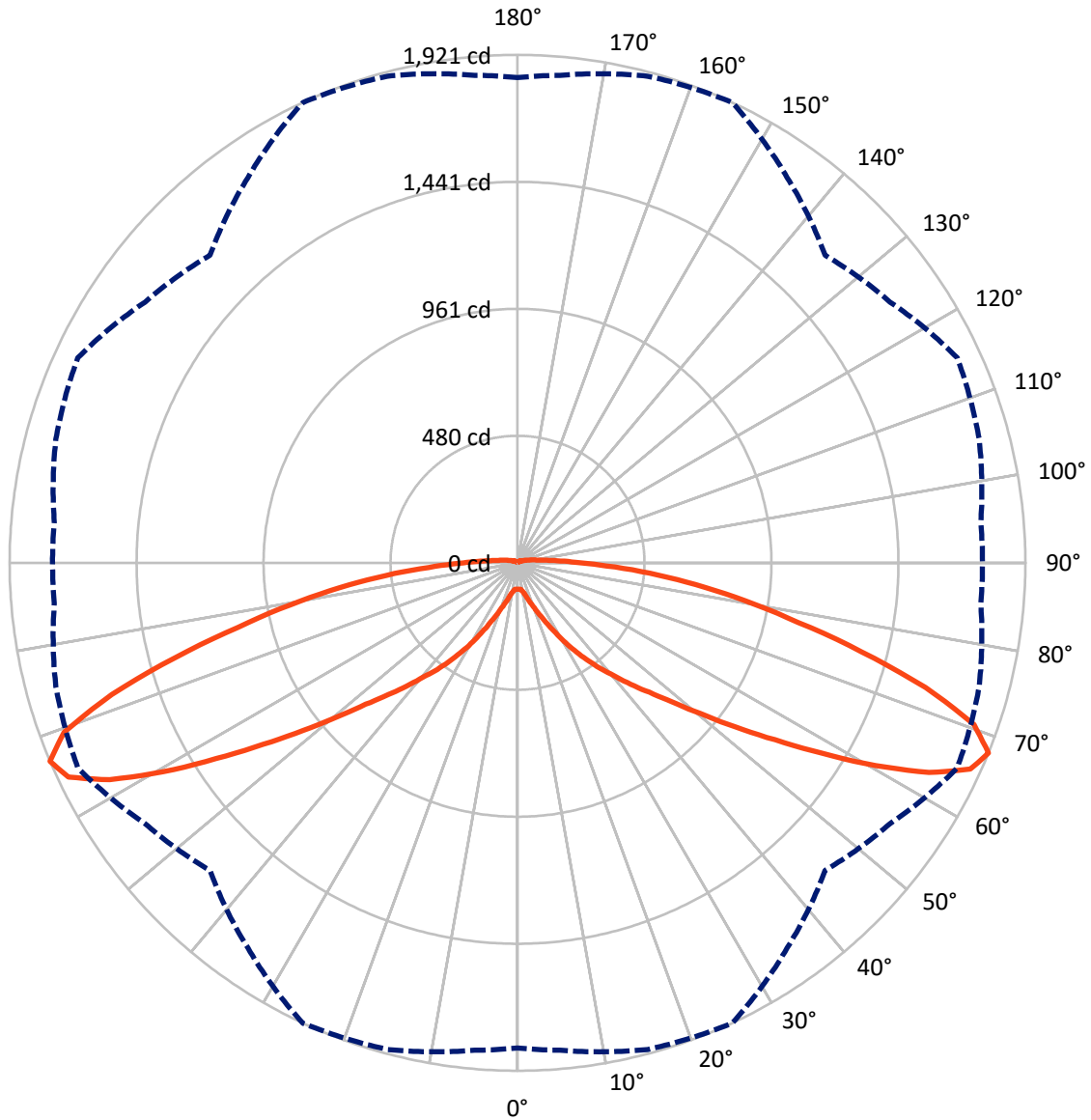
× Max cd  
 - - - 1/2 Max cd



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 25-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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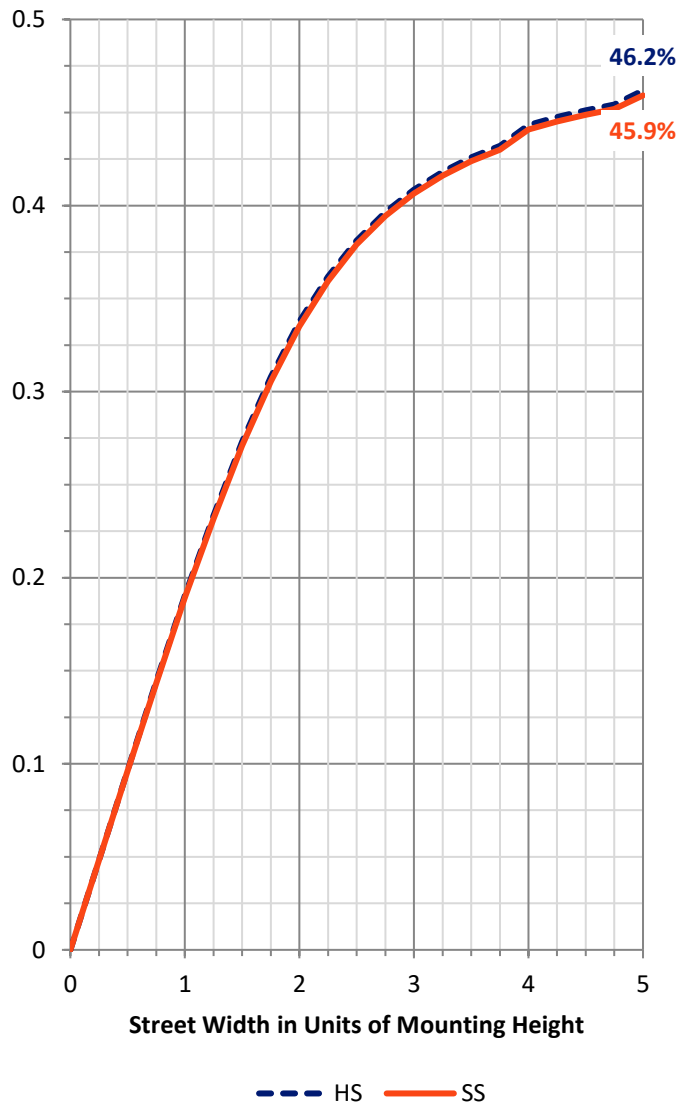
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2811.7	104.8	2916.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2811.7	104.8	2916.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	5623.4	209.6	5833.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	0.2
10°-20°	41.0	0.7
20°-30°	122.0	2.1
30°-40°	292.4	5.0
40°-50°	549.3	9.4
50°-60°	1043.3	17.9
60°-70°	1693.5	29.0
70°-80°	1329.7	22.8
80°-90°	542.3	9.3
90°-100°	132.2	2.3
100°-110°	41.6	0.7
110°-120°	17.6	0.3
120°-130°	9.6	0.2
130°-140°	5.8	0.1
140°-150°	2.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5623.4	96.4
0°-180°	5833.0	100.0

**Coefficient of Utilization**



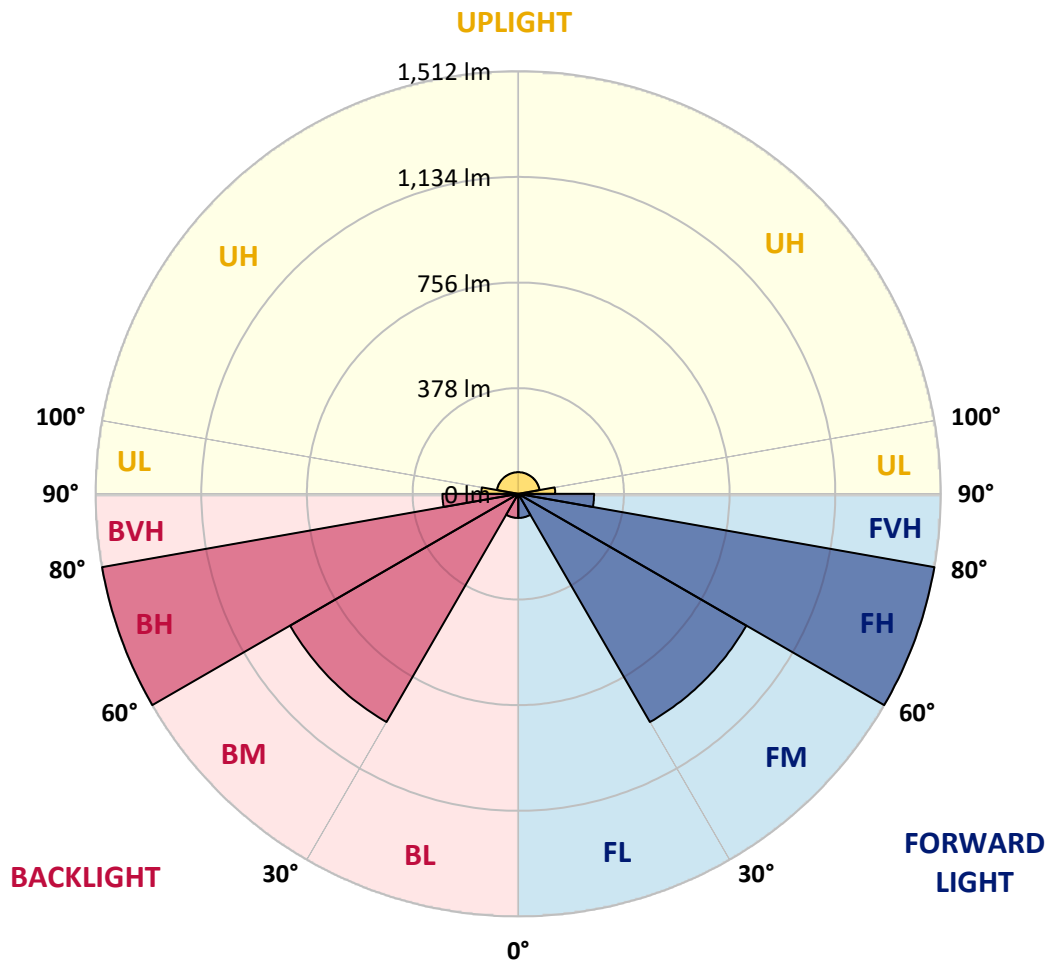
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.4	1.5			
FM (30°-60°)	942.5	16.2			
FH (60°-80°)	1511.6	25.9			G1/1800
FVH (80°-90°)	271.2	4.6			G3/500
BL (0°-30°)	86.4	1.5	B0/110		
BM (30°-60°)	942.5	16.2	B1/1000		
BH (60°-80°)	1511.6	25.9	B3/2500		G1/1800
BVH (80°-90°)	271.2	4.6			G3/500
UL (90°-100°)	132.2	2.3		U3/500	
UH (100°-180°)	77.4	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°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2.5°	97.8	97.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
5°	99.8	99.8	99.8	99.8	101.7	101.7	101.7	99.8	99.8	99.8	99.8
7.5°	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7	103.7
10°	111.5	111.5	109.6	111.5	109.6	109.6	109.6	107.6	109.6	109.6	109.6
12.5°	125.2	125.2	123.3	121.3	119.4	117.4	117.4	117.4	119.4	121.3	121.3
15°	144.8	144.8	142.8	138.9	133.0	131.1	133.0	135.0	137.0	140.9	140.9
17.5°	168.3	168.3	164.4	158.5	152.6	150.7	152.6	156.5	160.4	164.4	166.3
20°	197.6	195.7	191.7	182.0	176.1	174.1	176.1	180.0	187.8	193.7	193.7
22.5°	232.8	232.8	225.0	213.3	203.5	201.5	201.5	211.3	221.1	230.9	232.8
25°	275.9	277.8	266.1	248.5	236.7	230.9	234.8	248.5	266.1	277.8	281.8
27.5°	332.6	330.7	315.0	291.5	272.0	262.2	272.0	291.5	317.0	330.7	336.5
30°	391.3	391.3	371.8	342.4	313.1	301.3	315.0	340.4	371.8	393.3	397.2
32.5°	450.0	450.0	426.5	395.2	358.1	340.4	358.1	399.1	440.2	467.6	473.5
35°	512.6	516.5	487.2	448.1	403.1	385.5	407.0	457.8	510.7	540.0	542.0
37.5°	563.5	563.5	543.9	504.8	450.0	428.5	457.8	526.3	581.1	606.5	614.4
40°	630.0	632.0	608.5	559.6	502.8	477.4	514.6	585.0	628.1	639.8	643.7
42.5°	698.5	700.5	680.9	628.1	557.6	530.2	567.4	630.0	669.2	686.8	692.6
45°	763.1	768.9	749.4	698.5	624.2	585.0	618.3	688.7	739.6	759.2	765.0
47.5°	849.2	858.9	837.4	784.6	698.5	651.5	686.8	774.8	835.5	851.1	851.1
50°	950.9	960.7	952.9	896.1	792.4	733.7	782.6	880.5	943.1	964.6	962.6
52.5°	1085.9	1089.8	1082.0	1029.2	909.8	837.4	890.3	1009.6	1070.3	1062.4	1072.2
55°	1226.8	1236.6	1242.4	1181.8	1054.6	964.6	1037.0	1154.4	1199.4	1203.3	1201.4
57.5°	1397.0	1412.7	1406.8	1359.8	1215.1	1121.1	1193.5	1309.0	1373.5	1369.6	1379.4
60°	1579.0	1586.8	1602.5	1557.5	1414.6	1287.4	1367.7	1502.7	1543.8	1514.4	1518.3
62.5°	1725.7	1737.5	1764.9	1747.2	1594.6	1457.7	1541.8	1651.4	1674.9	1645.5	1651.4
65°	1843.1	1852.9	1895.9	1882.3	1733.6	1592.7	1670.9	1782.5	1788.3	1745.3	1741.4
67.5°	1835.3	1850.9	1905.7	1921.4	1778.6	1645.5	1719.9	1835.3	1807.9	1759.0	1759.0
70°	1706.2	1708.1	1774.6	1831.4	1702.2	1579.0	1665.1	1747.2	1721.8	1665.1	1657.2
72.5°	1465.5	1489.0	1565.3	1614.2	1530.1	1432.2	1485.1	1565.3	1481.1	1402.9	1397.0
75°	1183.7	1179.8	1250.3	1344.2	1301.1	1219.0	1281.6	1299.2	1222.9	1156.4	1140.7
77.5°	945.0	952.9	1013.5	1085.9	1078.1	1025.3	1042.9	1058.5	990.0	919.6	915.7
80°	753.3	753.3	827.6	874.6	876.6	855.0	858.9	849.2	776.8	731.8	723.9
82.5°	563.5	567.4	618.3	678.9	718.1	712.2	698.5	669.2	610.5	561.5	559.6
85°	383.5	391.3	434.4	500.9	557.6	571.3	563.5	497.0	424.6	377.6	371.8
87.5°	252.4	258.3	283.7	336.5	410.9	448.1	416.8	344.4	283.7	258.3	250.4
90°	170.2	174.1	189.8	219.1	287.6	326.8	291.5	227.0	185.9	168.3	168.3
92.5°	115.4	117.4	129.1	148.7	193.7	227.0	195.7	150.7	125.2	113.5	111.5
95°	78.3	80.2	88.0	101.7	133.0	152.6	133.0	99.8	88.0	80.2	78.3
97.5°	60.7	62.6	66.5	74.4	93.9	105.7	92.0	74.4	66.5	62.6	60.7
100°	48.9	48.9	54.8	58.7	68.5	76.3	68.5	56.7	52.8	48.9	48.9
102.5°	39.1	41.1	43.0	47.0	54.8	60.7	54.8	45.0	41.1	39.1	39.1
105°	31.3	31.3	33.3	37.2	43.0	47.0	43.0	37.2	33.3	31.3	29.3
107.5°	25.4	23.5	27.4	31.3	35.2	39.1	35.2	29.3	25.4	23.5	23.5
110°	19.6	19.6	21.5	25.4	29.3	31.3	29.3	23.5	21.5	19.6	19.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.7	15.7	17.6	19.6	25.4	27.4	23.5	19.6	17.6	15.7	15.7
115°	13.7	13.7	13.7	17.6	21.5	23.5	21.5	15.7	13.7	13.7	13.7
117.5°	11.7	11.7	11.7	13.7	17.6	19.6	17.6	13.7	11.7	11.7	11.7
120°	11.7	11.7	11.7	11.7	15.7	17.6	15.7	11.7	11.7	11.7	11.7
122.5°	9.8	9.8	9.8	11.7	13.7	15.7	13.7	11.7	9.8	9.8	9.8
125°	9.8	9.8	9.8	9.8	11.7	13.7	11.7	9.8	9.8	9.8	9.8
127.5°	7.8	7.8	7.8	9.8	11.7	11.7	11.7	9.8	7.8	7.8	7.8
130°	7.8	7.8	7.8	7.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8
132.5°	7.8	7.8	7.8	7.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
137.5°	5.9	5.9	5.9	5.9	5.9	7.8	5.9	5.9	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
142.5°	5.9	5.9	3.9	3.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	2.0	2.0	2.0	2.0	2.0	3.9	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)