

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: P416113

Luminaire Tested: **LXF.LXT-PA1-60-830-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-830-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6118.9 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G2

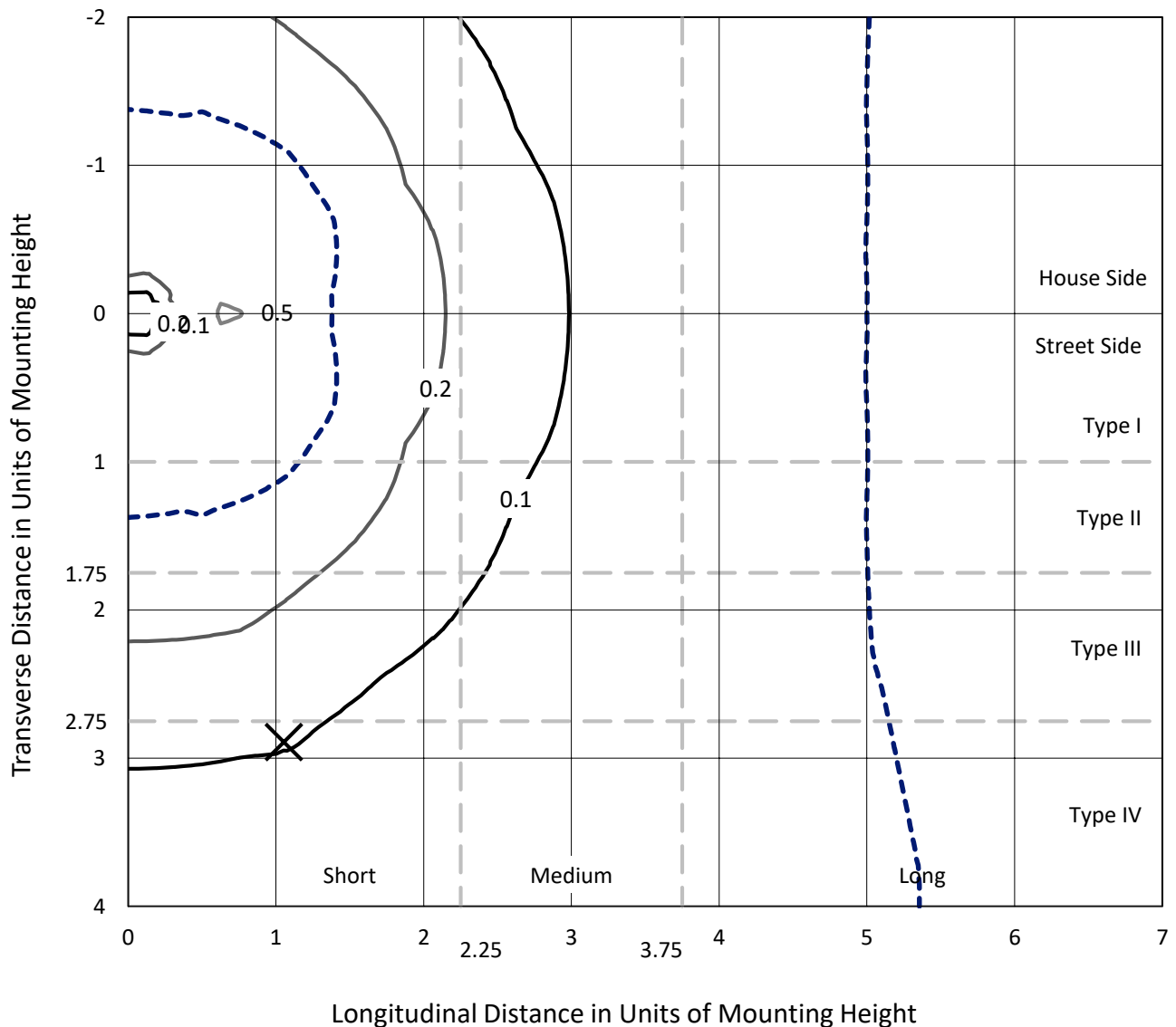
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

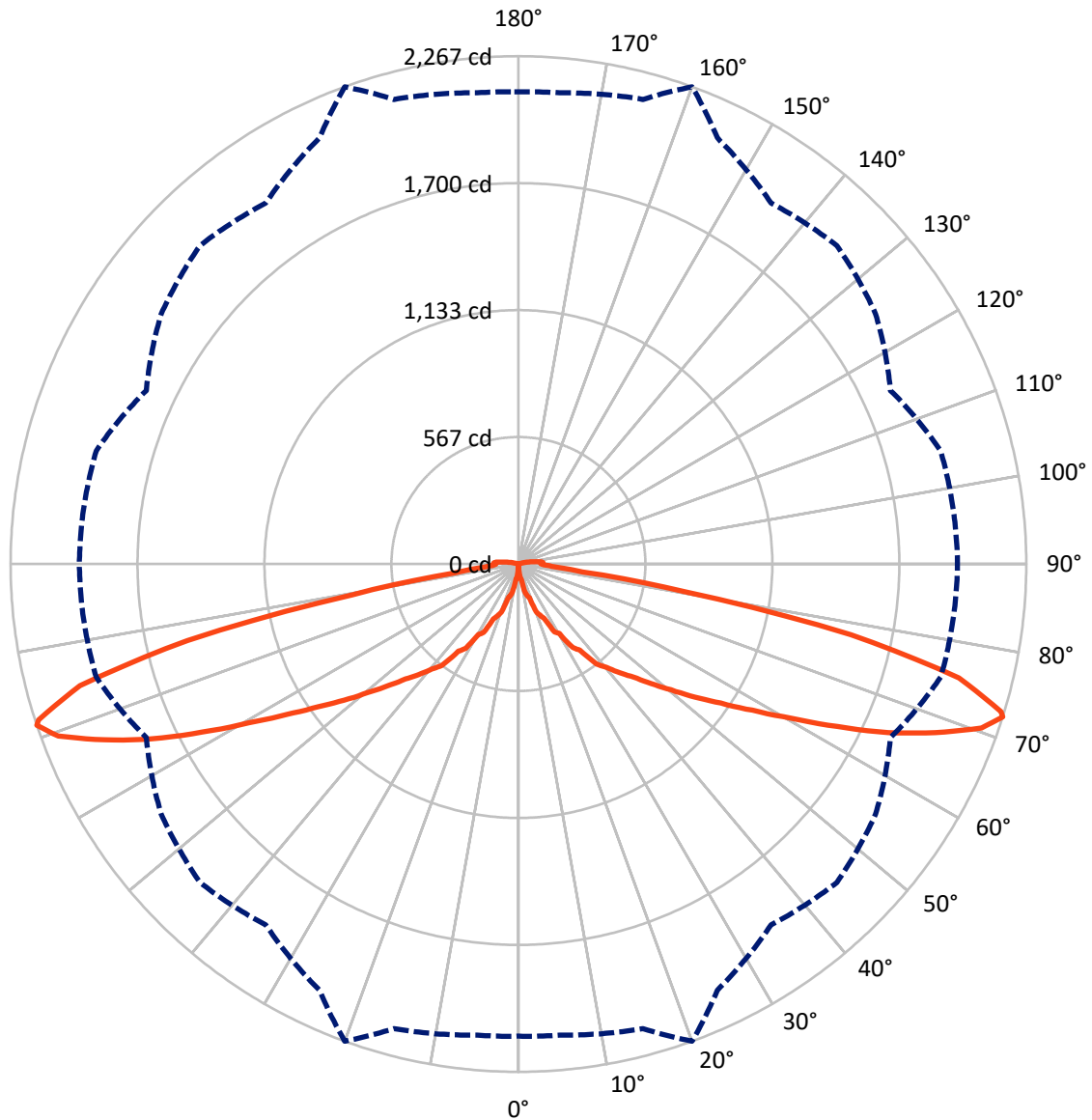
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



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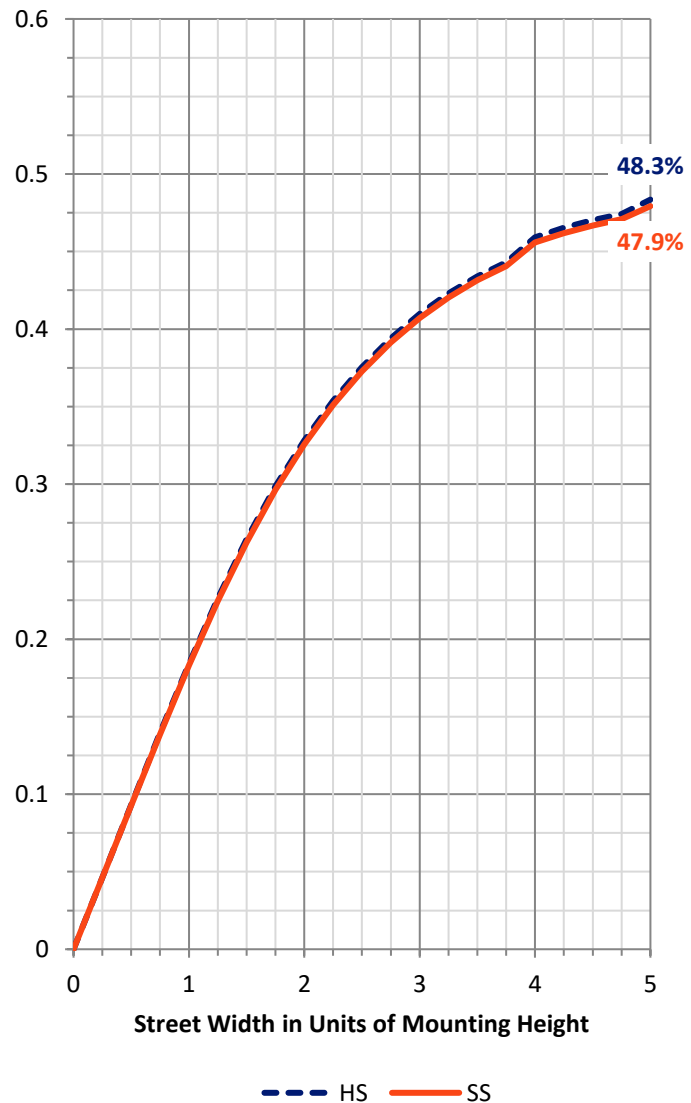
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2988.4	71.1	3059.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	2988.4	71.1	3059.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	5976.8	142.1	6118.9
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.0
10°-20°	33.5	0.5
20°-30°	132.6	2.2
30°-40°	306.9	5.0
40°-50°	558.6	9.1
50°-60°	990.5	16.2
60°-70°	1675.5	27.4
70°-80°	1861.7	30.4
80°-90°	415.1	6.8
90°-100°	115.5	1.9
100°-110°	17.0	0.3
110°-120°	4.0	0.1
120°-130°	2.4	0.0
130°-140°	1.5	0.0
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5976.8	97.7
0°-180°	6118.9	100.0



REPORT NUMBER: P416113

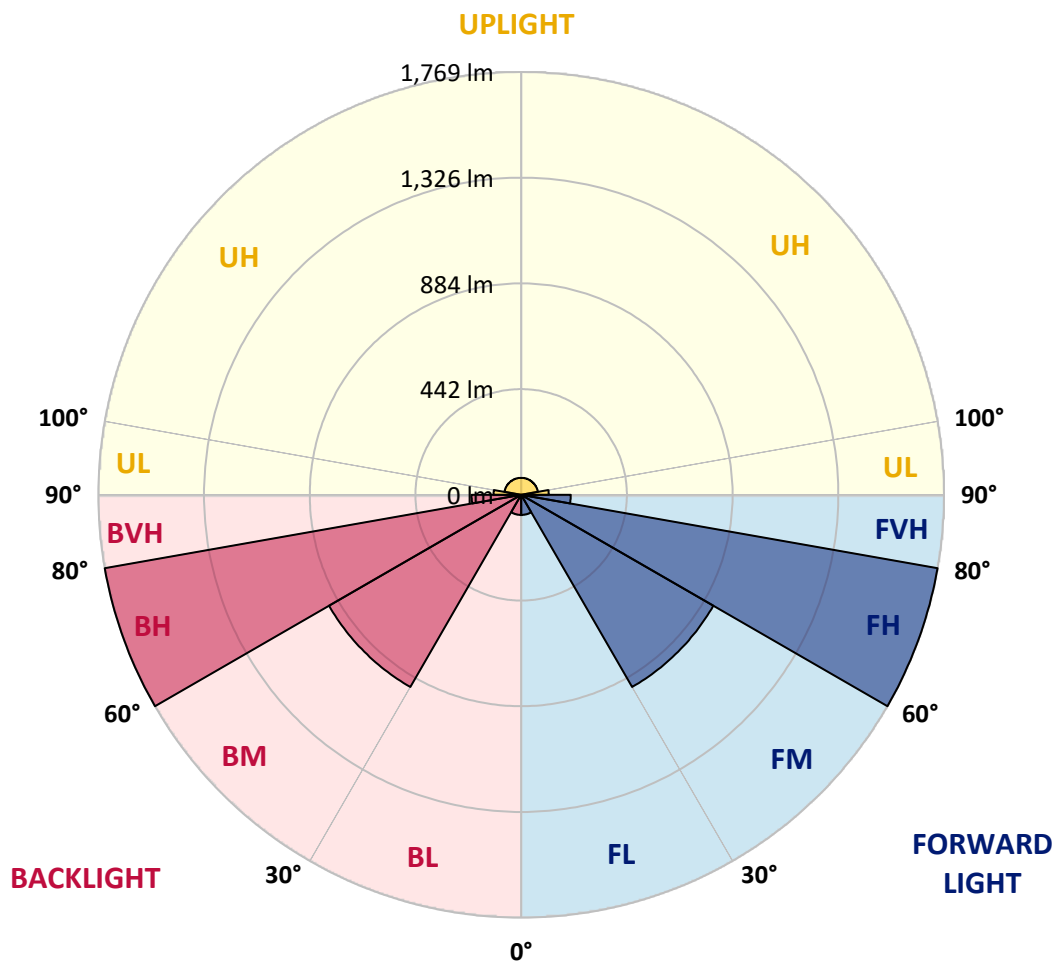
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.2	1.4			
FM (30°-60°)	928.0	15.2			
FH (60°-80°)	1768.6	28.9			G1/1800
FVH (80°-90°)	207.5	3.4			G2/225
BL (0°-30°)	84.2	1.4	B0/110		
BM (30°-60°)	928.0	15.2	B1/1000		
BH (60°-80°)	1768.6	28.9	B3/2500		G1/1800
BVH (80°-90°)	207.5	3.4			G2/225
UL (90°-100°)	115.5	1.9		U3/500	
UH (100°-180°)	71.1	1.2		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.2	3.2	3.2	3.9	2.6	3.2	2.6	2.6	2.6	2.6	2.6
5°	28.5	27.9	25.9	48.0	22.7	11.7	6.5	3.9	2.6	2.6	2.6
7.5°	60.9	60.3	58.3	64.2	48.6	36.9	29.2	19.4	5.2	3.2	3.2
10°	73.3	72.6	70.0	70.7	68.1	66.1	54.5	33.1	14.9	5.2	5.2
12.5°	109.6	108.9	104.4	127.1	88.2	73.3	68.1	57.7	32.4	25.9	50.6
15°	149.7	149.7	143.3	146.5	121.2	107.0	79.1	99.2	108.9	103.7	110.8
17.5°	166.6	165.9	159.5	158.2	151.7	139.4	136.8	143.9	140.0	124.5	125.1
20°	212.0	211.3	202.9	227.5	188.0	158.2	197.1	172.4	158.8	180.9	210.0
22.5°	254.8	254.1	247.6	248.9	227.5	232.7	215.2	199.7	236.0	244.4	252.2
25°	302.1	300.1	274.8	269.7	251.5	275.5	247.0	287.2	262.5	274.2	294.9
27.5°	354.6	352.0	339.7	343.6	308.6	298.2	315.0	306.6	322.8	373.4	384.4
30°	388.3	373.4	362.4	360.4	367.5	333.8	346.8	355.2	372.7	394.8	414.2
32.5°	466.7	463.5	421.3	444.0	401.9	398.0	370.8	399.3	399.3	484.9	543.2
35°	501.7	498.5	486.8	471.9	461.5	425.9	438.9	429.8	495.9	527.7	576.3
37.5°	622.9	619.7	558.1	565.9	503.0	482.9	469.3	504.3	530.3	563.3	619.7
40°	670.3	667.7	643.0	608.0	584.7	527.0	510.2	539.3	571.1	607.4	665.1
42.5°	726.7	724.7	695.6	663.1	639.8	590.5	572.4	575.0	613.9	667.7	724.1
45°	794.1	794.1	775.3	719.5	696.8	661.8	632.7	635.9	672.2	737.0	795.4
47.5°	871.2	869.9	858.9	796.7	779.2	726.0	702.7	713.1	740.9	812.9	874.5
50°	961.3	954.8	954.2	882.9	861.5	807.0	785.0	802.5	819.4	890.7	957.4
52.5°	1054.0	1056.0	1056.6	986.6	965.2	918.5	886.8	905.6	905.6	980.8	1054.0
55°	1164.2	1168.8	1165.5	1096.2	1099.4	1048.8	1005.4	1028.7	1020.3	1092.3	1157.7
57.5°	1306.2	1304.9	1311.4	1231.6	1242.0	1201.2	1151.9	1166.8	1153.9	1212.8	1271.2
60°	1448.1	1448.1	1465.0	1395.6	1423.5	1361.9	1330.2	1337.9	1291.9	1341.2	1393.0
62.5°	1595.9	1597.2	1621.9	1598.5	1605.0	1539.5	1519.5	1507.1	1419.6	1483.8	1519.5
65°	1745.7	1747.6	1788.5	1813.7	1765.8	1706.1	1688.6	1658.8	1564.8	1655.6	1662.1
67.5°	1897.4	1905.8	1954.4	2008.2	1935.0	1824.1	1849.4	1795.6	1698.4	1785.2	1780.7
70°	2064.0	2069.8	2102.9	2193.0	2061.4	1918.8	1946.0	1906.4	1791.1	1899.3	1907.7
72°	2107.4	2111.3	2146.9	2266.9	2099.6	1966.1	2010.2	1946.6	1832.5	1951.2	1957.7
72.5°	2104.8	2110.6	2139.8	2252.6	2098.3	1974.5	2021.8	1951.2	1831.9	1947.9	1947.3
75°	1907.1	1920.7	1965.4	2030.9	1982.9	1957.7	2058.8	1923.9	1758.6	1822.8	1807.9
77.5°	1399.5	1409.9	1474.7	1516.2	1610.9	1780.7	1962.8	1767.1	1537.6	1508.4	1459.2
80°	686.5	682.6	812.9	753.9	1027.4	1362.6	1629.0	1398.2	1087.1	884.8	757.8
82.5°	232.1	245.7	298.8	287.8	457.0	786.3	1102.6	863.4	503.7	342.9	283.3
85°	130.9	135.5	164.7	158.2	186.0	305.3	567.2	392.8	220.4	184.1	164.0
87.5°	115.4	117.3	116.0	114.1	123.2	171.1	171.8	177.6	134.8	125.1	125.8
90°	116.7	118.0	105.7	101.1	108.3	143.3	159.5	151.0	110.2	107.6	118.0
92.5°	126.4	127.7	114.7	110.2	116.0	147.1	164.0	155.6	111.5	114.7	125.8
95°	115.4	116.7	105.7	101.1	107.6	136.8	153.6	150.4	106.3	117.3	133.5
97.5°	73.9	74.5	73.9	73.9	84.9	103.7	108.3	102.4	70.7	72.0	73.3
100°	29.2	23.3	33.1	48.6	60.3	60.9	58.3	53.8	45.4	29.8	14.9
102.5°	9.7	9.7	22.7	31.8	35.7	28.5	22.7	22.7	26.6	18.8	9.7
105°	9.7	9.7	12.3	14.9	14.9	7.8	7.1	11.7	16.9	9.7	9.7
107.5°	9.1	9.7	6.5	5.8	5.2	5.2	5.2	5.2	6.5	7.1	9.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	7.8	7.8	5.2	5.2	4.5	3.9	5.2	4.5	5.2	5.8	7.8
112.5°	5.8	6.5	3.9	3.9	3.9	3.2	4.5	3.9	3.9	4.5	5.2
115°	5.8	5.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9	5.2
117.5°	5.8	5.2	3.2	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.2
120°	5.8	5.2	3.2	2.6	1.9	1.9	1.9	1.9	2.6	3.2	5.2
122.5°	5.2	5.2	3.2	2.6	1.9	1.9	1.9	1.9	1.9	3.2	5.2
125°	5.2	5.2	3.2	2.6	1.9	1.9	1.3	1.9	1.9	3.2	4.5
127.5°	5.2	4.5	3.2	1.9	1.9	1.3	1.3	1.3	1.9	2.6	4.5
130°	4.5	4.5	3.2	1.9	1.3	1.3	1.3	1.3	1.3	2.6	3.9
132.5°	3.9	3.9	2.6	1.9	1.3	1.3	1.3	1.3	1.3	1.9	3.2
135°	3.2	3.2	2.6	1.9	1.3	1.9	1.3	1.3	1.3	1.3	2.6
137.5°	3.2	3.2	2.6	1.9	1.3	1.9	1.3	1.3	1.3	1.3	1.9
140°	3.2	3.2	2.6	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.9
142.5°	3.2	3.2	2.6	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9
145°	3.2	3.2	3.2	2.6	1.9	1.9	1.3	1.3	1.9	1.9	2.6
147.5°	3.9	3.9	3.2	2.6	1.9	1.3	1.3	1.3	1.9	2.6	2.6
150°	3.2	3.2	2.6	1.9	1.9	1.3	0.6	0.6	1.3	2.6	2.6
152.5°	2.6	2.6	1.9	1.3	1.3	0.6	0.0	0.6	1.3	1.9	2.6
155°	1.9	1.3	1.3	0.6	0.6	0.0	0.0	0.0	0.6	1.3	1.9
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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





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**CANDELA DISTRIBUTION (continued):**

	90°
0°	2.6
2.5°	2.6
5°	2.6
7.5°	3.2
10°	5.2
12.5°	51.9
15°	111.5
17.5°	125.1
20°	226.9
22.5°	255.4
25°	301.4
27.5°	393.5
30°	418.1
32.5°	556.8
35°	586.6
37.5°	626.8
40°	670.3
42.5°	726.0
45°	795.4
47.5°	875.8
50°	955.5
52.5°	1051.4
55°	1162.3
57.5°	1267.9
60°	1389.2
62.5°	1511.0
65°	1662.1
67.5°	1780.7
70°	1911.0
72°	1959.6
72.5°	1947.9
75°	1810.5
77.5°	1463.7
80°	743.5
82.5°	263.2
85°	161.4
87.5°	123.2
90°	116.0
92.5°	123.8
95°	131.6
97.5°	70.0
100°	10.4
102.5°	10.4
105°	10.4
107.5°	10.4



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	8.4
112.5°	5.8
115°	5.8
117.5°	5.8
120°	5.8
122.5°	5.8
125°	5.2
127.5°	4.5
130°	3.9
132.5°	3.2
135°	2.6
137.5°	1.9
140°	1.9
142.5°	1.9
145°	2.6
147.5°	2.6
150°	2.6
152.5°	2.6
155°	1.9
157.5°	0.6
160°	0.6
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)