

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: P695346

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5344 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

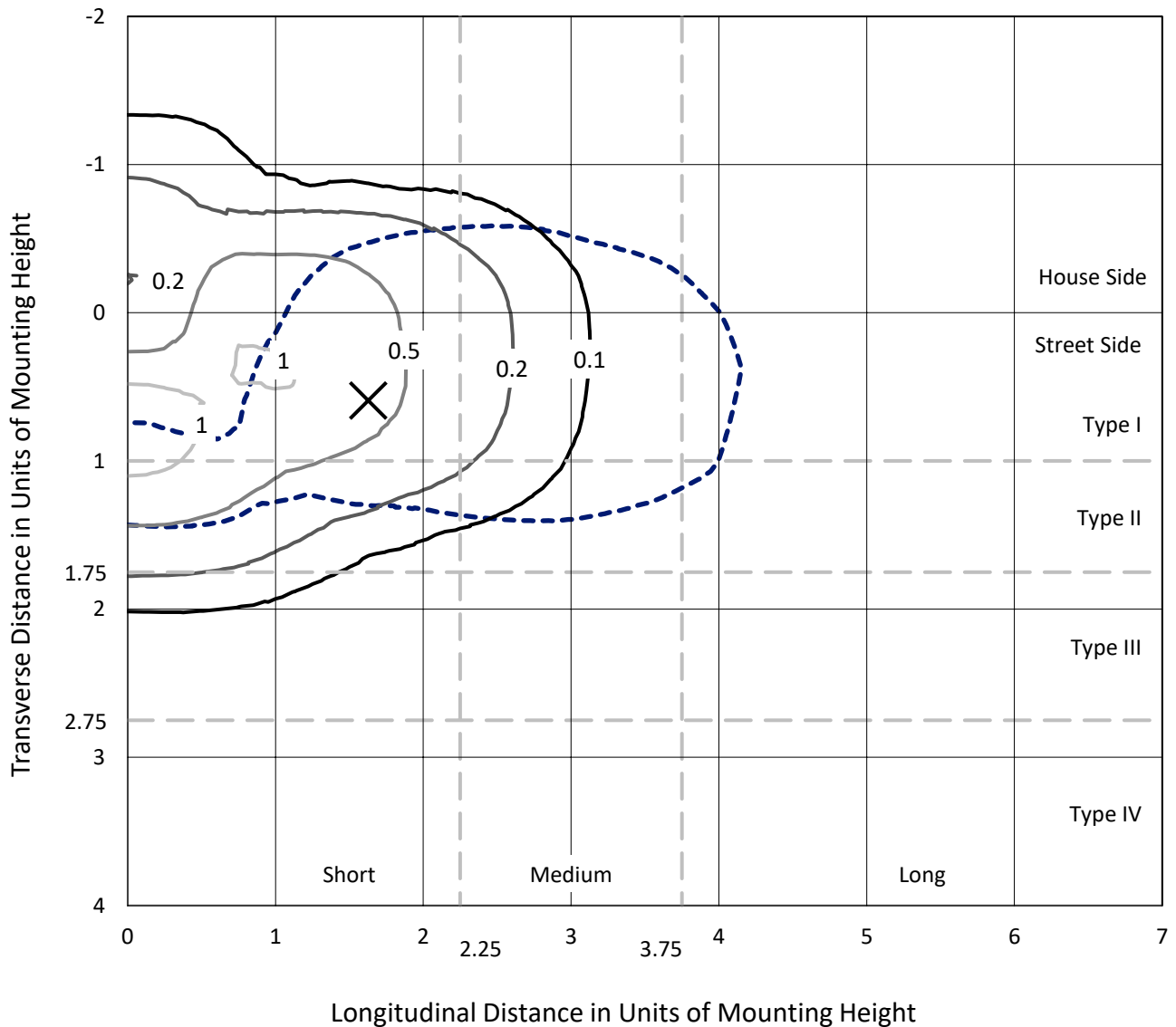
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

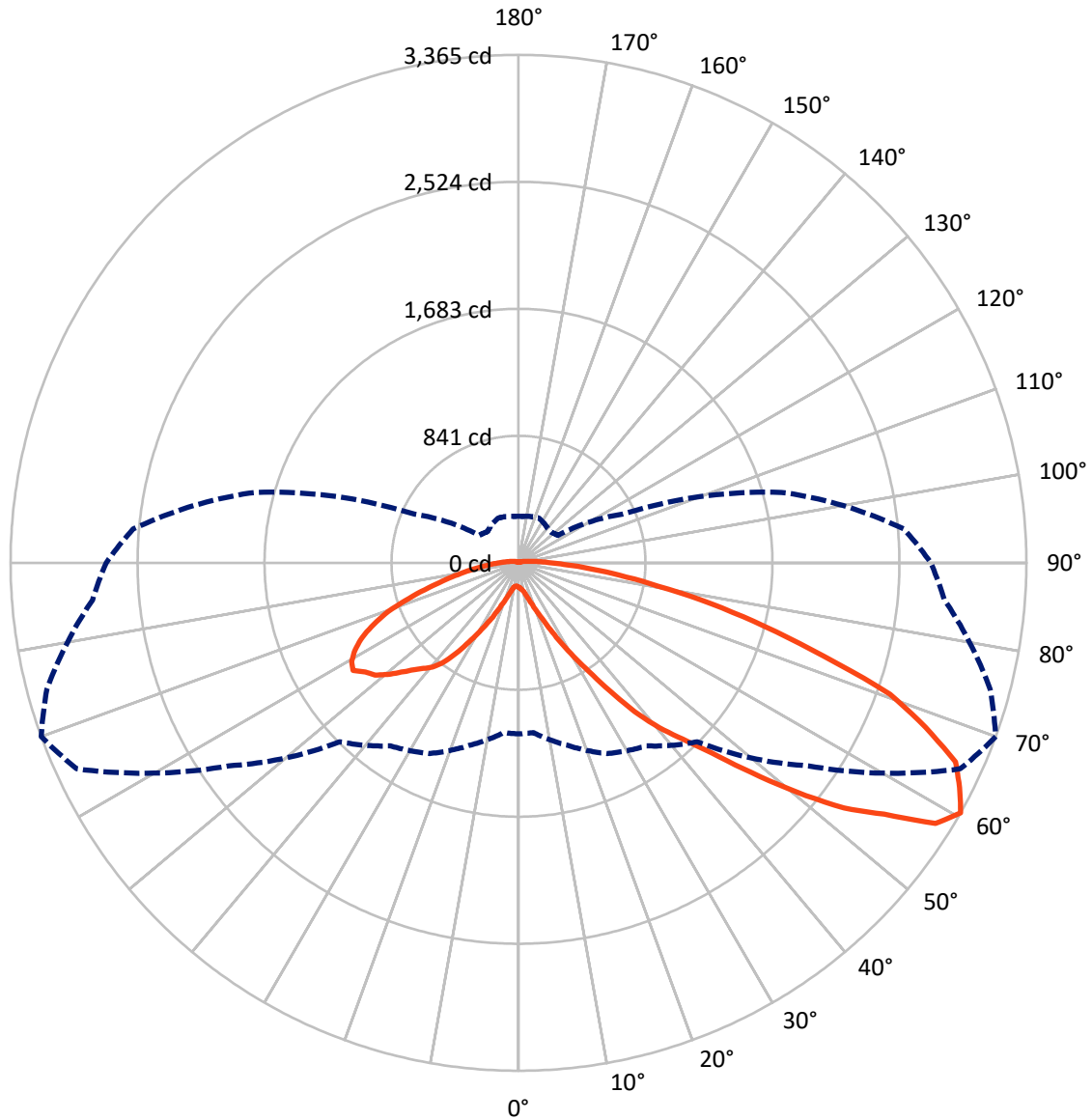
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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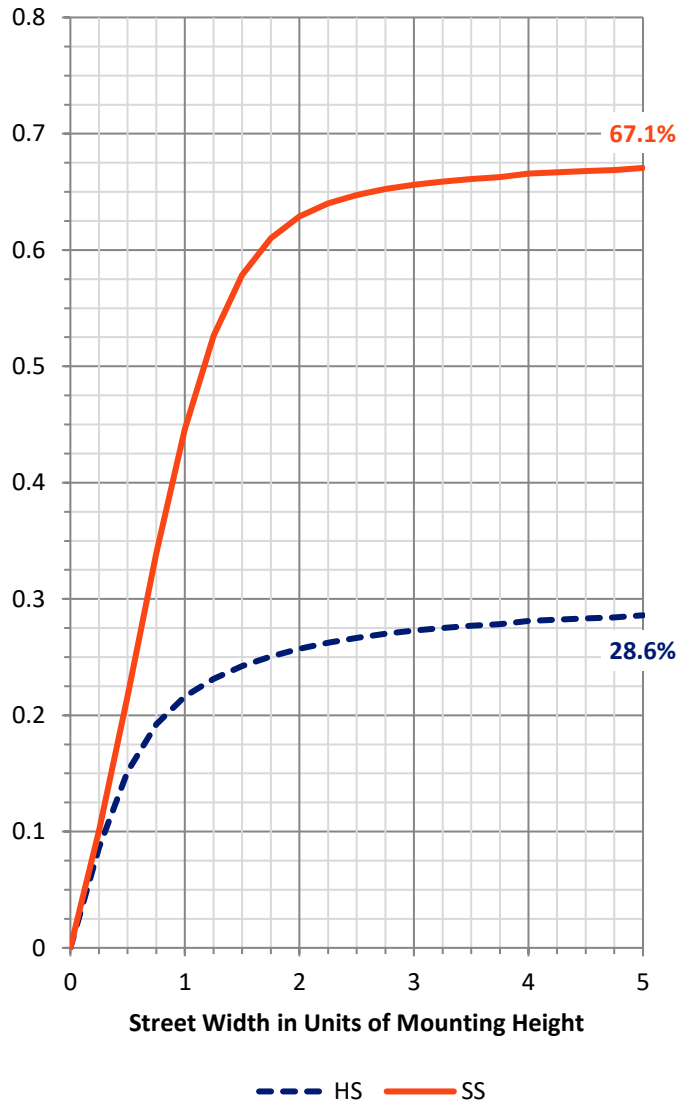
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1573.3	79.4	1652.7
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	3623.6	67.7	3691.3
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	5196.9	147.1	5344.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.1	0.3
10°-20°	68.1	1.3
20°-30°	216.0	4.0
30°-40°	531.5	9.9
40°-50°	919.7	17.2
50°-60°	1294.4	24.2
60°-70°	1203.6	22.5
70°-80°	686.4	12.8
80°-90°	261.1	4.9
90°-100°	77.9	1.5
100°-110°	31.7	0.6
110°-120°	16.9	0.3
120°-130°	10.6	0.2
130°-140°	6.8	0.1
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5196.9	97.2
0°-180°	5344.0	100.0

**Coefficient of Utilization**

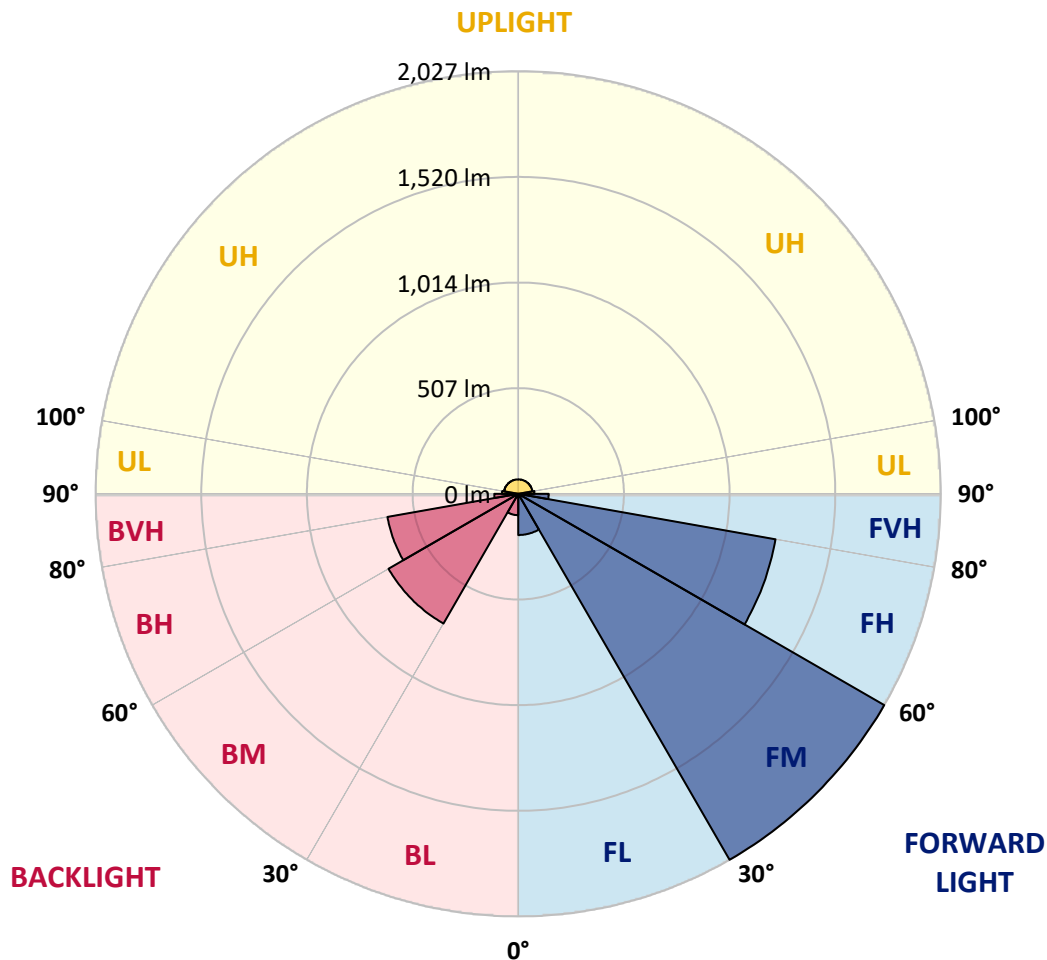


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	3.7			
FM (30°-60°)	2027.0	37.9			
FH (60°-80°)	1253.0	23.4			G1/1800
FVH (80°-90°)	145.9	2.7			G2/225
BL (0°-30°)	102.5	1.9	B0/110		
BM (30°-60°)	718.6	13.4	B1/1000		
BH (60°-80°)	637.0	11.9	B2/1000		G2/1000
BVH (80°-90°)	115.3	2.2			G2/225
UL (90°-100°)	77.9	1.5		U3/500	
UH (100°-180°)	69.2	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
2.5°	172.9	171.0	171.0	171.0	171.0	169.1	167.2	165.3	165.3	163.5	161.6
5°	187.9	187.9	187.9	186.0	184.1	182.3	178.5	174.7	172.9	169.1	165.3
7.5°	212.3	208.6	208.6	206.7	201.0	197.3	191.7	184.1	182.3	178.5	172.9
10°	242.4	240.5	238.6	233.0	223.6	216.1	210.4	201.0	195.4	191.7	184.1
12.5°	289.4	289.4	283.7	272.4	259.3	246.1	234.9	223.6	218.0	212.3	204.8
15°	347.6	345.7	343.8	325.1	304.4	285.6	266.8	253.7	248.0	244.3	231.1
17.5°	424.6	426.5	415.2	385.2	355.1	334.5	311.9	295.0	287.5	281.8	270.6
20°	524.2	522.3	505.4	462.2	428.4	394.6	370.2	343.8	338.2	332.6	319.4
22.5°	653.9	650.1	616.3	563.7	513.0	466.0	434.0	415.2	404.0	396.5	385.2
25°	787.3	802.3	755.3	691.5	618.2	546.8	513.0	501.7	490.4	484.8	469.7
27.5°	997.7	999.6	932.0	828.6	730.9	657.6	614.4	595.6	595.6	588.1	569.3
30°	1221.3	1219.4	1136.8	1005.2	871.8	770.4	725.3	714.0	717.8	708.4	682.1
32.5°	1418.6	1414.8	1322.8	1193.1	1016.5	892.5	849.3	853.0	856.8	864.3	843.6
35°	1632.8	1630.9	1521.9	1362.2	1170.6	1031.5	1001.5	1037.2	1039.1	1050.3	1003.4
37.5°	1709.8	1721.1	1653.5	1510.7	1307.7	1174.3	1176.2	1215.7	1249.5	1253.3	1187.5
40°	1768.1	1773.7	1711.7	1597.1	1431.8	1322.8	1369.7	1433.6	1435.5	1403.6	1296.5
42.5°	1901.5	1907.1	1820.7	1676.0	1521.9	1473.1	1540.7	1608.4	1595.2	1567.0	1433.6
45°	1987.9	1995.4	1939.1	1800.0	1612.1	1583.9	1708.0	1798.1	1796.3	1777.5	1593.3
47.5°	2076.2	2087.5	2029.3	1897.7	1715.5	1687.3	1892.1	2078.1	2076.2	2023.6	1805.7
50°	2049.9	2059.3	2063.1	1976.6	1788.8	1794.4	2085.6	2371.2	2386.3	2318.6	2065.0
52.5°	1890.2	1905.2	1959.7	1971.0	1841.4	1867.7	2273.5	2681.2	2700.0	2587.3	2266.0
55°	1683.5	1702.3	1773.7	1852.6	1809.4	1886.5	2429.5	2927.4	2938.7	2846.6	2523.4
57.5°	1407.3	1446.8	1538.9	1651.6	1677.9	1841.4	2431.3	3130.3	3258.1	3186.7	2803.4
60°	1133.0	1129.2	1251.4	1394.2	1480.6	1676.0	2344.9	3229.9	3365.2	3235.5	2833.4
62.5°	813.6	826.7	958.3	1123.6	1230.7	1418.6	2143.9	3034.5	3280.6	3276.9	2991.3
65°	580.6	593.7	689.6	847.4	971.4	1176.2	1818.8	2842.8	3181.0	3211.1	2976.2
67.5°	413.4	419.0	492.3	616.3	725.3	898.1	1490.0	2570.4	2908.6	2998.8	2889.8
70°	310.0	315.7	360.8	452.8	529.9	655.8	1189.4	2179.6	2611.7	2743.3	2668.1
72.5°	238.6	246.1	276.2	345.7	390.8	467.9	888.7	1777.5	2111.9	2241.6	2209.6
75°	187.9	191.7	214.2	261.2	289.4	328.8	629.4	1367.9	1681.7	1867.7	1867.7
77.5°	150.3	156.0	171.0	204.8	229.2	244.3	432.2	982.7	1304.0	1491.9	1535.1
80°	120.3	124.0	137.2	161.6	178.5	187.9	291.2	682.1	935.7	1159.3	1285.2
82.5°	95.8	95.8	109.0	127.8	144.7	156.0	214.2	482.9	668.9	838.0	977.0
85°	77.0	78.9	86.4	99.6	116.5	131.5	165.3	330.7	456.6	561.8	676.4
87.5°	60.1	60.1	67.6	77.0	93.9	110.9	135.3	223.6	300.6	387.1	454.7
90°	43.2	45.1	48.9	56.4	73.3	90.2	107.1	156.0	199.2	242.4	287.5
92.5°	31.9	31.9	33.8	39.5	52.6	71.4	86.4	112.7	137.2	157.8	178.5
95°	24.4	24.4	26.3	28.2	37.6	54.5	65.8	82.7	95.8	110.9	120.3
97.5°	20.7	20.7	20.7	22.5	30.1	41.3	50.7	62.0	71.4	80.8	90.2
100°	18.8	18.8	18.8	18.8	24.4	35.7	39.5	48.9	54.5	62.0	67.6
102.5°	16.9	16.9	16.9	16.9	22.5	30.1	33.8	37.6	43.2	47.0	52.6
105°	15.0	15.0	15.0	15.0	18.8	24.4	28.2	31.9	33.8	35.7	39.5
107.5°	13.2	13.2	13.2	13.2	16.9	22.5	24.4	24.4	26.3	28.2	31.9
110°	11.3	11.3	11.3	13.2	15.0	18.8	20.7	20.7	20.7	22.5	26.3

REPORT NUMBER: P695346  
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.3	11.3	11.3	11.3	13.2	16.9	16.9	16.9	18.8	18.8	22.5
115°	9.4	9.4	9.4	11.3	13.2	15.0	15.0	15.0	15.0	16.9	18.8
117.5°	9.4	9.4	9.4	9.4	13.2	15.0	15.0	13.2	13.2	15.0	16.9
120°	9.4	9.4	9.4	9.4	11.3	13.2	13.2	13.2	13.2	13.2	15.0
122.5°	9.4	9.4	9.4	9.4	11.3	11.3	11.3	11.3	11.3	11.3	13.2
125°	9.4	9.4	9.4	9.4	11.3	11.3	11.3	9.4	9.4	11.3	13.2
127.5°	11.3	11.3	9.4	9.4	9.4	11.3	9.4	9.4	9.4	9.4	11.3
130°	11.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	11.3
132.5°	11.3	11.3	9.4	9.4	9.4	9.4	9.4	7.5	7.5	9.4	11.3
135°	9.4	11.3	9.4	9.4	9.4	7.5	7.5	7.5	7.5	7.5	9.4
137.5°	9.4	9.4	9.4	7.5	7.5	7.5	5.6	5.6	5.6	7.5	7.5
140°	9.4	9.4	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5
142.5°	7.5	7.5	7.5	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6
145°	7.5	7.5	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
147.5°	5.6	5.6	5.6	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9
150°	5.6	3.8	3.8	3.8	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



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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
2.5°	161.6	159.7	157.8	157.8	156.0	154.1	152.2	152.2	152.2	152.2	152.2
5°	163.5	161.6	157.8	154.1	150.3	146.6	144.7	140.9	140.9	140.9	139.0
7.5°	169.1	165.3	159.7	152.2	146.6	140.9	135.3	133.4	131.5	129.6	129.6
10°	178.5	174.7	165.3	156.0	146.6	139.0	131.5	125.9	122.1	122.1	122.1
12.5°	197.3	191.7	178.5	163.5	150.3	139.0	129.6	124.0	122.1	122.1	124.0
15°	227.4	219.8	201.0	182.3	161.6	144.7	137.2	137.2	139.0	140.9	140.9
17.5°	263.1	253.7	233.0	206.7	182.3	165.3	157.8	159.7	163.5	165.3	165.3
20°	313.8	296.9	276.2	240.5	208.6	193.5	184.1	182.3	191.7	195.4	195.4
22.5°	372.0	362.6	328.8	283.7	246.1	223.6	210.4	206.7	216.1	219.8	219.8
25°	458.5	439.7	400.2	340.1	291.2	253.7	234.9	231.1	244.3	251.8	251.8
27.5°	558.0	529.9	481.0	404.0	336.3	281.8	257.4	257.4	270.6	281.8	283.7
30°	661.4	629.4	571.2	475.4	381.4	304.4	274.3	276.2	289.4	306.3	302.5
32.5°	811.7	766.6	680.2	556.2	422.8	323.2	283.7	291.2	311.9	334.5	330.7
35°	958.3	911.3	807.9	646.4	458.5	332.6	289.4	306.3	328.8	345.7	345.7
37.5°	1114.2	1056.0	924.4	725.3	496.0	338.2	293.1	310.0	332.6	343.8	343.8
40°	1217.6	1159.3	1009.0	781.6	511.1	336.3	291.2	308.1	323.2	326.9	323.2
42.5°	1347.2	1260.8	1074.8	807.9	503.6	326.9	285.6	298.8	304.4	302.5	302.5
45°	1501.3	1405.4	1168.7	817.3	481.0	311.9	278.1	287.5	295.0	296.9	296.9
47.5°	1708.0	1597.1	1290.8	832.4	452.8	296.9	274.3	289.4	296.9	291.2	291.2
50°	1946.6	1816.9	1431.8	845.5	424.6	285.6	276.2	295.0	296.9	291.2	289.4
52.5°	2136.4	1995.4	1553.9	860.6	396.5	280.0	283.7	302.5	300.6	291.2	289.4
55°	2388.1	2243.5	1662.9	826.7	370.2	281.8	291.2	310.0	304.4	289.4	289.4
57.5°	2685.0	2510.3	1807.5	807.9	340.1	287.5	300.6	317.5	308.1	295.0	293.1
60°	2732.0	2562.9	1803.8	761.0	317.5	291.2	308.1	325.1	317.5	308.1	308.1
62.5°	2891.7	2709.4	1773.7	678.3	300.6	291.2	313.8	334.5	336.3	330.7	328.8
65°	2871.0	2671.9	1696.7	595.6	285.6	287.5	317.5	345.7	347.6	349.5	349.5
67.5°	2795.9	2587.3	1563.3	522.3	268.7	281.8	317.5	343.8	353.2	360.8	360.8
70°	2566.6	2376.9	1394.2	449.1	251.8	266.8	302.5	332.6	342.0	351.4	353.2
72.5°	2147.6	1971.0	1144.3	381.4	229.2	244.3	276.2	304.4	315.7	323.2	321.3
75°	1790.6	1647.8	930.1	302.5	204.8	216.1	242.4	266.8	274.3	280.0	280.0
77.5°	1478.7	1351.0	732.8	248.0	178.5	187.9	208.6	227.4	234.9	236.7	233.0
80°	1234.5	1084.1	575.0	201.0	152.2	157.8	178.5	193.5	201.0	197.3	199.2
82.5°	954.5	830.5	435.9	169.1	133.4	135.3	150.3	163.5	169.1	165.3	163.5
85°	648.2	563.7	313.8	146.6	116.5	114.6	124.0	135.3	139.0	137.2	135.3
87.5°	428.4	372.0	227.4	125.9	101.5	99.6	105.2	114.6	118.4	116.5	112.7
90°	270.6	246.1	163.5	107.1	88.3	84.6	88.3	93.9	99.6	97.7	95.8
92.5°	172.9	156.0	120.3	88.3	75.2	71.4	71.4	75.2	78.9	75.2	71.4
95°	116.5	112.7	92.1	71.4	62.0	58.2	56.4	56.4	60.1	56.4	54.5
97.5°	90.2	86.4	75.2	56.4	48.9	47.0	45.1	45.1	48.9	45.1	43.2
100°	69.5	69.5	60.1	47.0	37.6	37.6	37.6	39.5	41.3	39.5	39.5
102.5°	54.5	54.5	50.7	39.5	31.9	31.9	31.9	33.8	37.6	35.7	35.7
105°	41.3	43.2	41.3	31.9	28.2	28.2	28.2	30.1	31.9	31.9	31.9
107.5°	33.8	35.7	33.8	28.2	24.4	24.4	24.4	26.3	28.2	30.1	30.1
110°	28.2	30.1	28.2	24.4	22.5	22.5	22.5	22.5	26.3	26.3	28.2

REPORT NUMBER: P695346  
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	24.4	24.4	20.7	20.7	20.7	18.8	20.7	22.5	24.4	24.4
115°	20.7	20.7	20.7	18.8	18.8	18.8	16.9	16.9	20.7	22.5	22.5
117.5°	18.8	18.8	18.8	16.9	16.9	16.9	15.0	15.0	16.9	20.7	20.7
120°	16.9	16.9	16.9	15.0	15.0	15.0	13.2	13.2	15.0	18.8	18.8
122.5°	15.0	15.0	15.0	13.2	13.2	13.2	13.2	13.2	15.0	16.9	16.9
125°	13.2	13.2	13.2	13.2	13.2	11.3	11.3	11.3	13.2	15.0	15.0
127.5°	13.2	13.2	13.2	11.3	11.3	11.3	11.3	11.3	11.3	13.2	15.0
130°	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4	11.3	13.2	13.2
132.5°	11.3	11.3	11.3	9.4	9.4	9.4	9.4	9.4	11.3	11.3	13.2
135°	9.4	11.3	9.4	9.4	9.4	7.5	7.5	7.5	9.4	11.3	11.3
137.5°	9.4	9.4	7.5	7.5	7.5	7.5	7.5	7.5	9.4	9.4	9.4
140°	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5	9.4	9.4
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	7.5	7.5	7.5
145°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	7.5	7.5
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
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)