

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: P695431

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2R-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-750-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5567 lumens  
Efficiency: N/A  
Efficacy: 104.8 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: B1 - U3 - G2

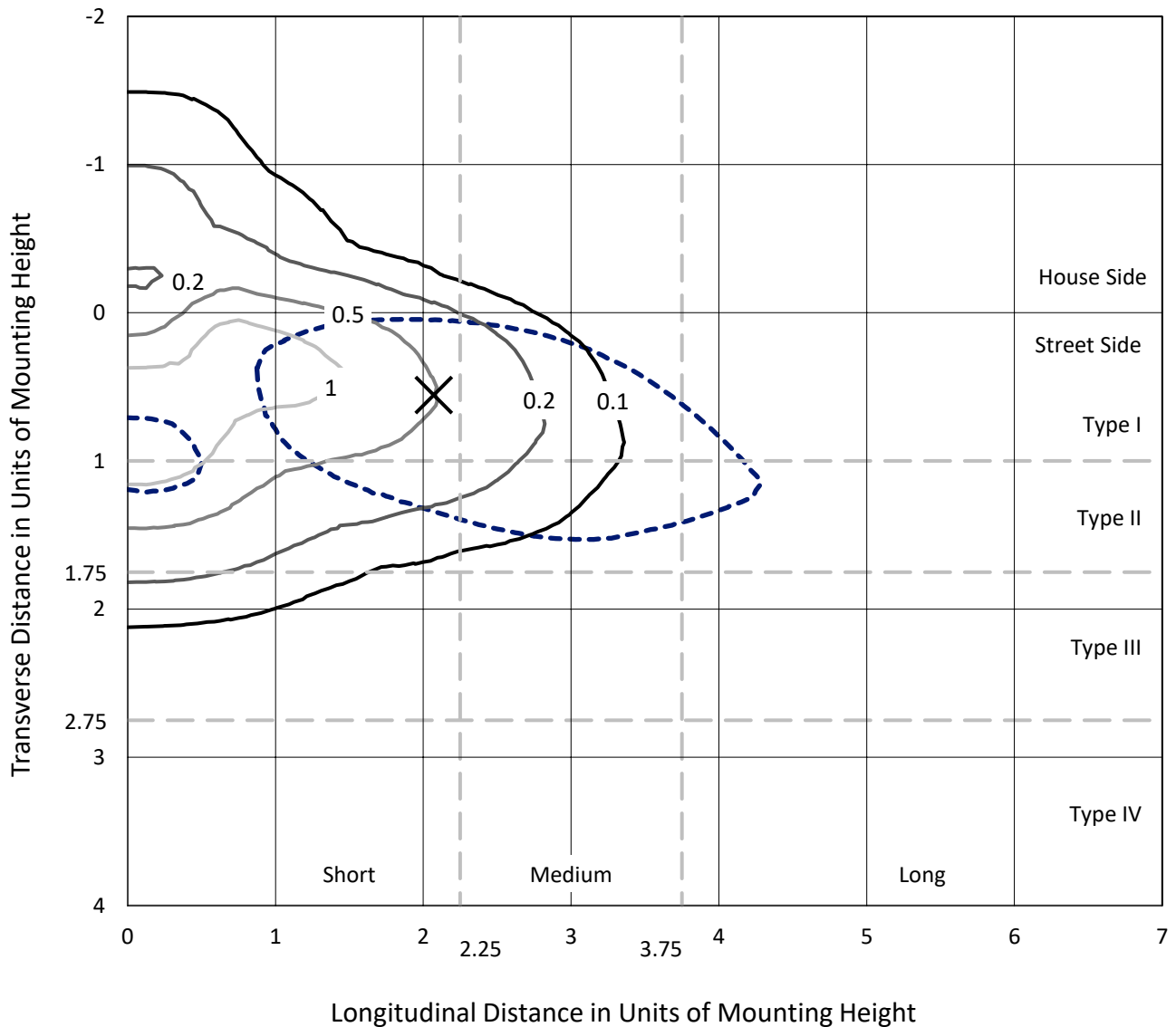
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695431  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

### Iso-Footcandle Lines of Horizontal Illumination

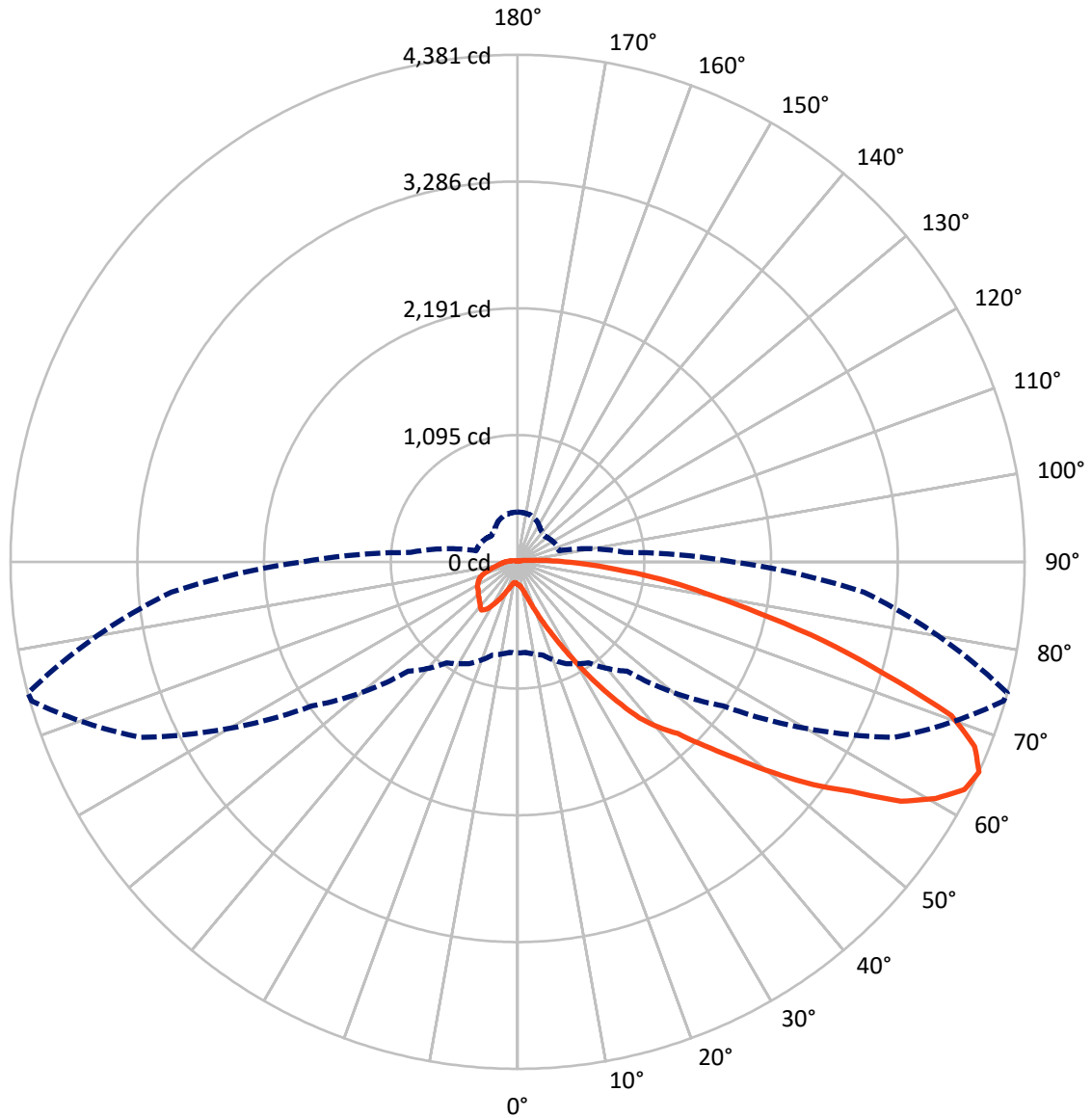
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P695431  
CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695431  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

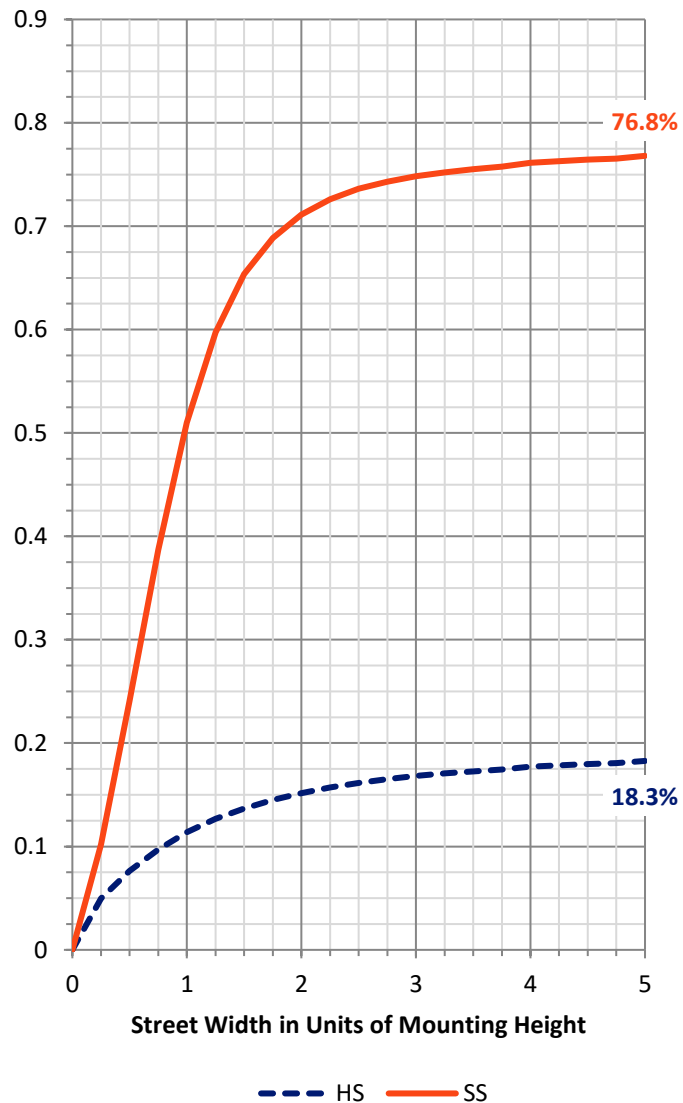
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1065.9	84.6	1150.5
	% Fixture	19.1	1.5	20.7
<b>Street Side</b>	Lumens	4331.6	84.9	4416.4
	% Fixture	77.8	1.5	79.3
<b>Total</b>	Lumens	5397.5	169.5	5567.0
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.8	0.4
10°-20°	84.9	1.5
20°-30°	265.3	4.8
30°-40°	630.7	11.3
40°-50°	976.5	17.5
50°-60°	1218.4	21.9
60°-70°	1192.2	21.4
70°-80°	725.0	13.0
80°-90°	284.7	5.1
90°-100°	88.8	1.6
100°-110°	35.5	0.6
110°-120°	19.6	0.4
120°-130°	12.9	0.2
130°-140°	8.6	0.2
140°-150°	3.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5397.5	97.0
0°-180°	5567.0	100.0

**Coefficient of Utilization**

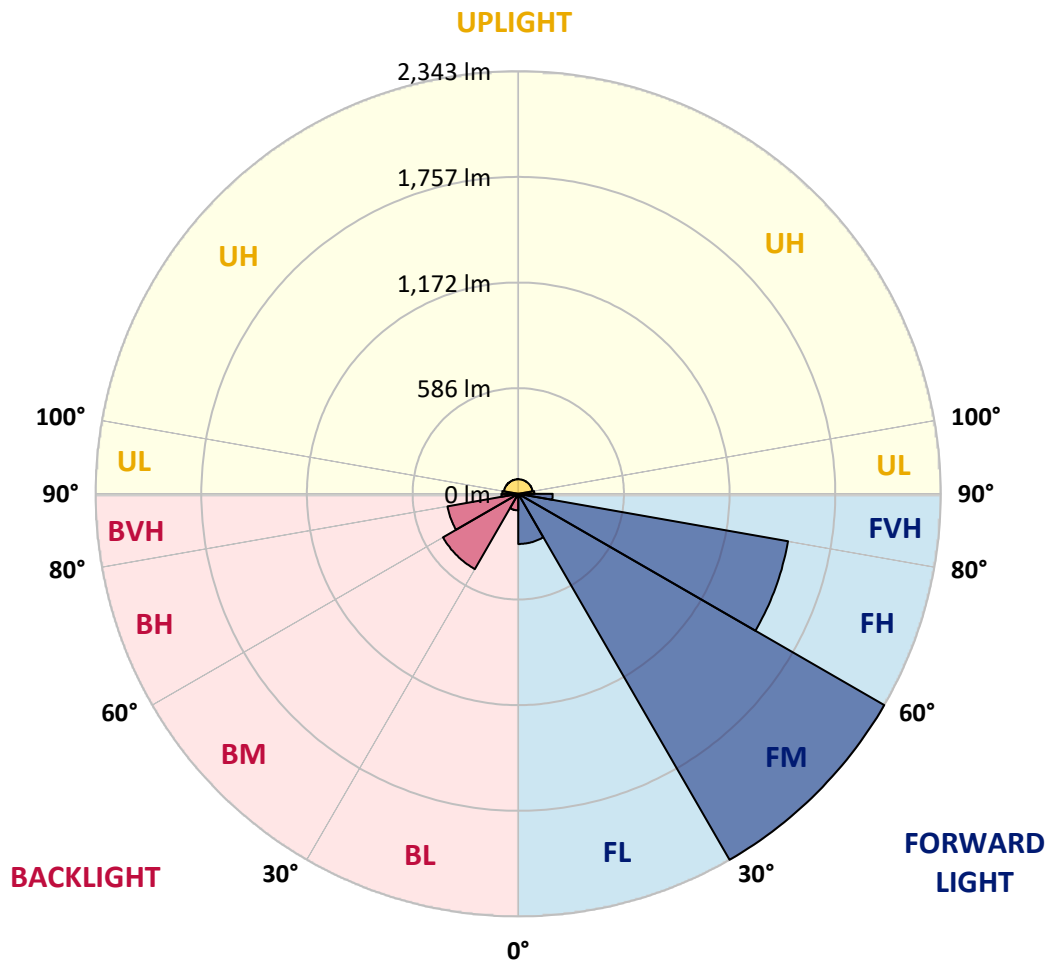


REPORT NUMBER: P695431  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.2	5.0			
FM (30°-60°)	2343.3	42.1			
FH (60°-80°)	1518.9	27.3			G1/1800
FVH (80°-90°)	191.1	3.4			G2/225
BL (0°-30°)	91.8	1.6	B0/110		
BM (30°-60°)	482.2	8.7	B1/1000		
BH (60°-80°)	398.3	7.2	B1/500		G1/500
BVH (80°-90°)	93.7	1.7			G1/100
UL (90°-100°)	88.8	1.6		U3/500	
UH (100°-180°)	80.7	1.4		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



REPORT NUMBER: P695431

CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	216.1	218.1	216.1	214.0	212.0	209.9	205.8	203.7	199.6	199.6	195.5
5°	251.1	251.1	251.1	244.9	240.8	236.7	226.4	218.1	209.9	207.8	201.7
7.5°	294.3	290.2	288.1	281.9	273.7	265.5	251.1	236.7	224.3	222.3	209.9
10°	345.7	343.7	341.6	333.4	319.0	304.6	284.0	265.5	244.9	242.8	222.3
12.5°	415.7	413.6	405.4	395.1	374.5	351.9	327.2	304.6	277.8	275.8	246.9
15°	491.8	493.9	487.7	467.1	446.6	415.7	386.9	360.1	331.3	323.1	286.1
17.5°	607.1	605.0	590.6	555.6	530.9	498.0	461.0	426.0	391.0	384.8	337.5
20°	732.6	736.7	716.2	666.8	627.7	588.6	557.7	506.2	471.3	467.1	401.3
22.5°	893.1	903.4	860.2	810.8	745.0	699.7	668.8	619.4	570.0	570.0	485.7
25°	1103.0	1107.2	1049.5	969.3	887.0	817.0	790.2	759.4	701.7	693.5	594.7
27.5°	1319.1	1331.5	1263.6	1158.6	1035.1	950.8	934.3	917.8	847.9	845.8	707.9
30°	1654.6	1648.4	1533.1	1382.9	1203.9	1092.8	1082.5	1101.0	1035.1	1026.9	856.1
32.5°	1959.1	1948.8	1825.4	1627.8	1382.9	1251.2	1234.7	1296.5	1251.2	1249.2	1024.8
35°	2210.2	2195.8	2084.7	1862.4	1576.4	1397.3	1407.6	1510.5	1487.9	1477.6	1179.2
37.5°	2327.5	2352.2	2257.5	2041.5	1743.1	1547.6	1594.9	1747.2	1726.6	1712.2	1347.9
40°	2407.8	2440.7	2341.9	2138.2	1858.3	1681.3	1757.5	1942.7	1899.5	1880.9	1420.0
42.5°	2436.6	2463.3	2397.5	2193.7	1928.3	1782.2	1883.0	2086.7	2060.0	2029.1	1522.9
45°	2418.0	2451.0	2399.5	2218.4	1963.3	1843.9	1975.6	2269.9	2290.5	2265.8	1669.0
47.5°	2346.0	2383.1	2364.5	2218.4	1973.5	1874.8	2086.7	2502.4	2549.8	2537.4	1829.5
50°	2152.6	2193.7	2226.7	2175.2	1963.3	1885.0	2210.2	2732.9	2872.8	2864.6	2051.7
52.5°	1996.2	2029.1	2041.5	2039.4	1924.1	1899.5	2327.5	3033.4	3210.3	3198.0	2251.4
55°	1786.3	1806.8	1866.5	1852.1	1794.5	1878.9	2416.0	3253.6	3514.9	3500.5	2479.8
57.5°	1424.1	1459.1	1570.2	1687.5	1634.0	1811.0	2455.1	3453.2	3922.4	3903.9	2743.2
60°	1212.1	1222.4	1286.2	1397.3	1471.4	1675.1	2440.7	3659.0	4167.3	4150.8	2862.6
62.5°	987.8	994.0	1074.2	1168.9	1273.8	1524.9	2356.3	3671.3	4325.7	4334.0	2979.9
65°	788.2	786.1	833.5	969.3	1066.0	1337.6	2173.2	3589.0	4366.9	4381.3	3002.5
67.5°	600.9	619.4	681.2	751.1	882.8	1121.6	1911.8	3372.9	4255.8	4259.9	2909.9
70°	413.6	421.9	479.5	590.6	689.4	930.2	1623.7	3039.5	3975.9	3975.9	2646.5
72.5°	298.4	308.7	337.5	409.5	533.0	728.5	1341.8	2609.4	3350.3	3317.4	2216.4
75°	222.3	224.3	251.1	294.3	376.6	568.0	1043.4	2051.7	2720.6	2730.9	1821.3
77.5°	172.9	174.9	187.3	218.1	275.8	413.6	775.8	1582.5	2119.7	2123.8	1405.6
80°	144.1	146.1	152.3	168.7	205.8	296.3	570.0	1191.5	1638.1	1640.2	1094.8
82.5°	119.4	121.4	127.6	137.9	160.5	220.2	409.5	911.7	1240.9	1257.4	821.1
85°	100.8	102.9	107.0	115.2	131.7	170.8	296.3	654.4	874.6	868.4	568.0
87.5°	82.3	82.3	88.5	94.7	107.0	137.9	218.1	448.6	592.7	586.5	395.1
90°	61.7	63.8	67.9	76.1	88.5	109.1	158.5	294.3	368.4	368.4	251.1
92.5°	45.3	45.3	51.4	59.7	70.0	88.5	115.2	187.3	220.2	222.3	162.6
95°	32.9	32.9	37.0	41.2	53.5	70.0	84.4	115.2	135.8	131.7	111.1
97.5°	26.8	26.8	28.8	32.9	41.2	55.6	65.9	82.3	90.5	90.5	82.3
100°	22.6	22.6	24.7	24.7	32.9	45.3	53.5	59.7	65.9	67.9	65.9
102.5°	18.5	20.6	20.6	20.6	26.8	39.1	43.2	47.3	51.4	51.4	51.4
105°	16.5	16.5	18.5	18.5	22.6	32.9	37.0	39.1	41.2	41.2	41.2
107.5°	14.4	14.4	16.5	16.5	20.6	28.8	30.9	30.9	32.9	32.9	32.9
110°	14.4	14.4	14.4	14.4	18.5	24.7	24.7	24.7	24.7	24.7	26.8

REPORT NUMBER: P695431

CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	12.3	12.3	14.4	14.4	16.5	22.6	22.6	20.6	20.6	20.6	24.7
115°	12.3	12.3	12.3	14.4	16.5	18.5	18.5	18.5	18.5	18.5	20.6
117.5°	12.3	12.3	12.3	14.4	14.4	18.5	16.5	16.5	16.5	16.5	18.5
120°	12.3	12.3	12.3	12.3	14.4	16.5	16.5	14.4	14.4	14.4	16.5
122.5°	12.3	12.3	12.3	12.3	14.4	14.4	14.4	12.3	12.3	12.3	16.5
125°	12.3	12.3	14.4	14.4	14.4	14.4	14.4	12.3	12.3	12.3	14.4
127.5°	14.4	14.4	14.4	14.4	12.3	14.4	12.3	12.3	12.3	12.3	14.4
130°	16.5	16.5	16.5	14.4	12.3	12.3	12.3	12.3	12.3	12.3	14.4
132.5°	16.5	16.5	16.5	14.4	12.3	12.3	10.3	10.3	12.3	12.3	12.3
135°	16.5	16.5	14.4	12.3	12.3	10.3	10.3	10.3	10.3	10.3	12.3
137.5°	14.4	14.4	14.4	12.3	10.3	10.3	8.2	8.2	10.3	10.3	10.3
140°	12.3	12.3	12.3	10.3	8.2	8.2	6.2	6.2	8.2	8.2	8.2
142.5°	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2
145°	8.2	8.2	8.2	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	6.2	6.2	6.2	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1
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



REPORT NUMBER: P695431  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	195.5	193.4	189.3	187.3	183.2	181.1	179.0	177.0	179.0	177.0	177.0
5°	197.6	193.4	185.2	177.0	170.8	166.7	162.6	158.5	158.5	156.4	154.3
7.5°	201.7	195.5	181.1	170.8	158.5	150.2	144.1	139.9	137.9	135.8	135.8
10°	212.0	201.7	183.2	164.6	150.2	137.9	129.6	125.5	121.4	121.4	121.4
12.5°	232.5	220.2	191.4	164.6	144.1	129.6	119.4	115.2	115.2	115.2	115.2
15°	267.5	246.9	209.9	174.9	146.1	125.5	119.4	121.4	125.5	129.6	127.6
17.5°	310.7	286.1	234.6	189.3	154.3	135.8	131.7	137.9	144.1	148.2	150.2
20°	364.3	327.2	261.4	203.7	168.7	156.4	152.3	158.5	166.7	172.9	172.9
22.5°	434.2	384.8	296.3	224.3	189.3	177.0	172.9	179.0	189.3	195.5	195.5
25°	522.7	454.8	339.6	251.1	212.0	193.4	193.4	201.7	216.1	224.3	226.4
27.5°	621.5	528.9	378.7	284.0	236.7	212.0	214.0	230.5	246.9	259.3	259.3
30°	728.5	617.4	423.9	312.8	255.2	230.5	232.5	253.1	275.8	292.2	290.2
32.5°	856.1	710.0	471.3	341.6	273.7	244.9	251.1	281.9	308.7	329.3	327.2
35°	985.7	790.2	502.1	368.4	290.2	257.2	267.5	306.6	337.5	356.0	356.0
37.5°	1086.6	856.1	520.7	382.8	304.6	267.5	279.9	323.1	356.0	372.5	370.4
40°	1121.6	856.1	506.2	384.8	310.7	275.8	290.2	331.3	360.1	370.4	364.3
42.5°	1175.1	872.6	485.7	372.5	312.8	281.9	294.3	331.3	349.8	351.9	347.8
45°	1251.2	899.3	471.3	364.3	308.7	284.0	294.3	325.2	347.8	354.0	349.8
47.5°	1347.9	926.1	454.8	360.1	308.7	284.0	294.3	331.3	354.0	354.0	349.8
50°	1471.4	969.3	446.6	362.2	314.9	286.1	300.5	339.6	360.1	356.0	354.0
52.5°	1566.1	979.6	432.2	368.4	321.0	290.2	306.6	347.8	366.3	358.1	356.0
55°	1689.5	1004.3	415.7	368.4	331.3	300.5	314.9	356.0	370.4	360.1	358.1
57.5°	1817.1	1031.0	413.6	366.3	335.4	308.7	323.1	362.2	374.5	366.3	364.3
60°	1852.1	1000.1	401.3	372.5	337.5	316.9	329.3	368.4	386.9	382.8	382.8
62.5°	1880.9	975.5	386.9	370.4	343.7	316.9	335.4	378.7	407.5	407.5	407.5
65°	1860.4	928.1	370.4	362.2	341.6	319.0	343.7	391.0	419.8	428.0	430.1
67.5°	1773.9	862.3	354.0	349.8	331.3	319.0	345.7	391.0	426.0	438.3	438.3
70°	1588.7	753.2	325.2	325.2	316.9	306.6	339.6	384.8	413.6	428.0	428.0
72.5°	1331.5	623.5	281.9	292.2	290.2	288.1	323.1	364.3	382.8	395.1	393.1
75°	1059.8	502.1	244.9	249.0	253.1	259.3	296.3	329.3	335.4	345.7	343.7
77.5°	831.4	401.3	207.8	212.0	216.1	230.5	265.5	286.1	290.2	296.3	294.3
80°	650.3	329.3	179.0	179.0	185.2	199.6	228.4	246.9	255.2	259.3	253.1
82.5°	506.2	269.6	158.5	152.3	158.5	170.8	193.4	209.9	216.1	216.1	214.0
85°	360.1	216.1	139.9	131.7	133.8	146.1	166.7	177.0	181.1	179.0	174.9
87.5°	263.4	177.0	123.5	111.1	113.2	129.6	144.1	150.2	152.3	154.3	150.2
90°	185.2	142.0	107.0	92.6	92.6	109.1	123.5	125.5	127.6	127.6	125.5
92.5°	131.7	111.1	88.5	76.1	76.1	90.5	100.8	98.8	100.8	98.8	94.7
95°	96.7	86.4	74.1	61.7	59.7	70.0	74.1	72.0	74.1	72.0	72.0
97.5°	76.1	70.0	61.7	51.4	47.3	53.5	55.6	55.6	59.7	55.6	55.6
100°	61.7	57.6	53.5	43.2	39.1	43.2	45.3	47.3	49.4	47.3	47.3
102.5°	51.4	49.4	45.3	39.1	35.0	37.0	39.1	41.2	43.2	43.2	41.2
105°	41.2	41.2	39.1	32.9	30.9	30.9	32.9	35.0	39.1	39.1	39.1
107.5°	32.9	35.0	32.9	28.8	26.8	26.8	28.8	30.9	32.9	35.0	35.0
110°	28.8	28.8	28.8	24.7	24.7	24.7	24.7	26.8	30.9	32.9	32.9

REPORT NUMBER: P695431

CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.7	24.7	24.7	22.6	22.6	22.6	22.6	22.6	26.8	28.8	30.9
115°	22.6	22.6	22.6	20.6	20.6	20.6	20.6	20.6	24.7	26.8	26.8
117.5°	20.6	20.6	20.6	18.5	18.5	18.5	18.5	18.5	20.6	24.7	24.7
120°	18.5	18.5	18.5	16.5	16.5	16.5	16.5	16.5	18.5	22.6	22.6
122.5°	16.5	16.5	16.5	16.5	14.4	14.4	14.4	14.4	16.5	20.6	20.6
125°	14.4	16.5	14.4	14.4	14.4	14.4	12.3	14.4	16.5	18.5	18.5
127.5°	14.4	14.4	14.4	14.4	12.3	12.3	12.3	12.3	14.4	16.5	16.5
130°	14.4	14.4	14.4	12.3	12.3	10.3	10.3	12.3	12.3	14.4	14.4
132.5°	12.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3	12.3	12.3	12.3
135°	12.3	12.3	10.3	10.3	10.3	8.2	8.2	8.2	10.3	12.3	12.3
137.5°	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3	10.3
140°	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2	8.2	8.2
142.5°	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
145°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
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)