

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: P695767

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5184.1 lumens
Efficiency: N/A
Efficacy: 83.6 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

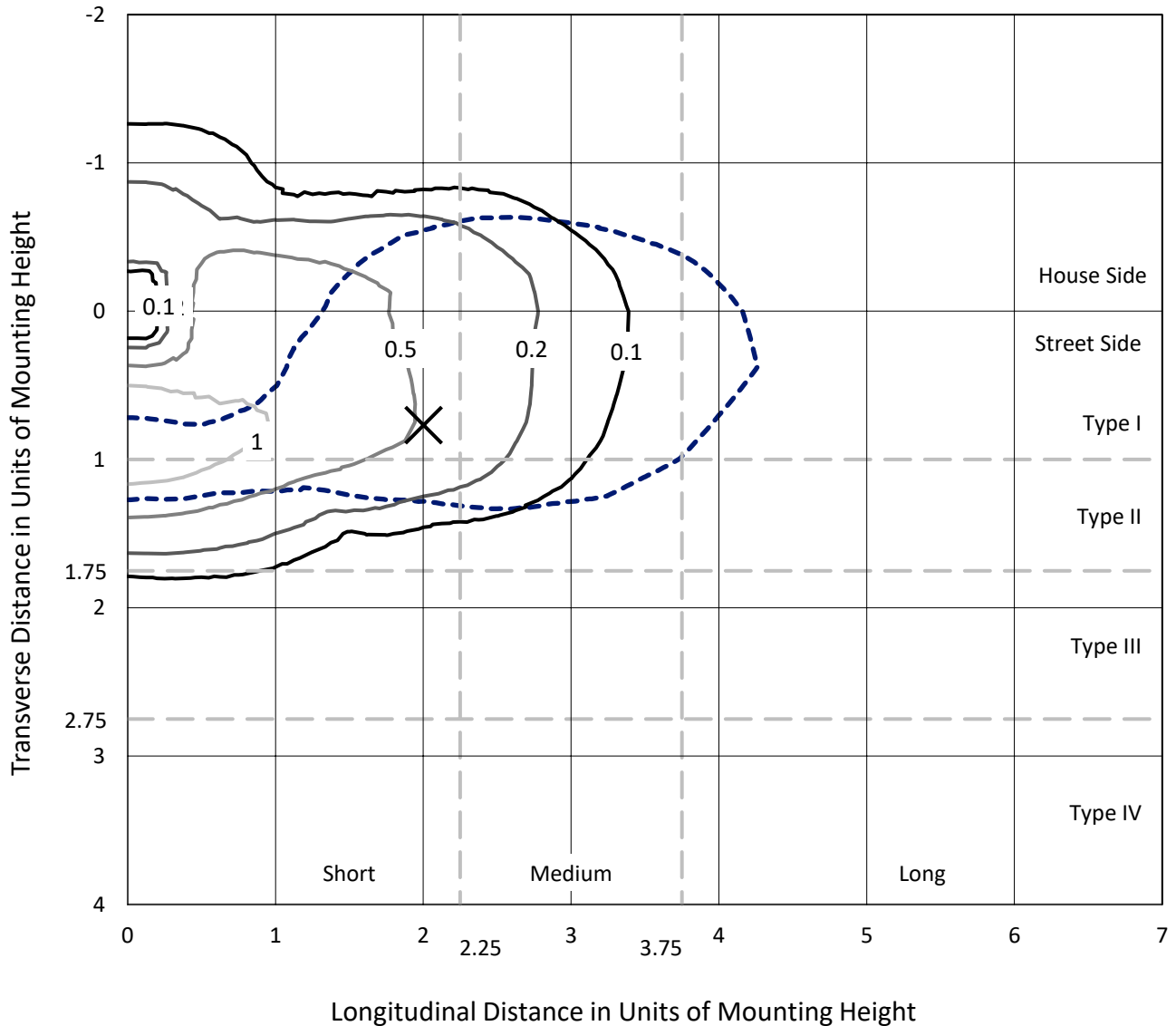
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

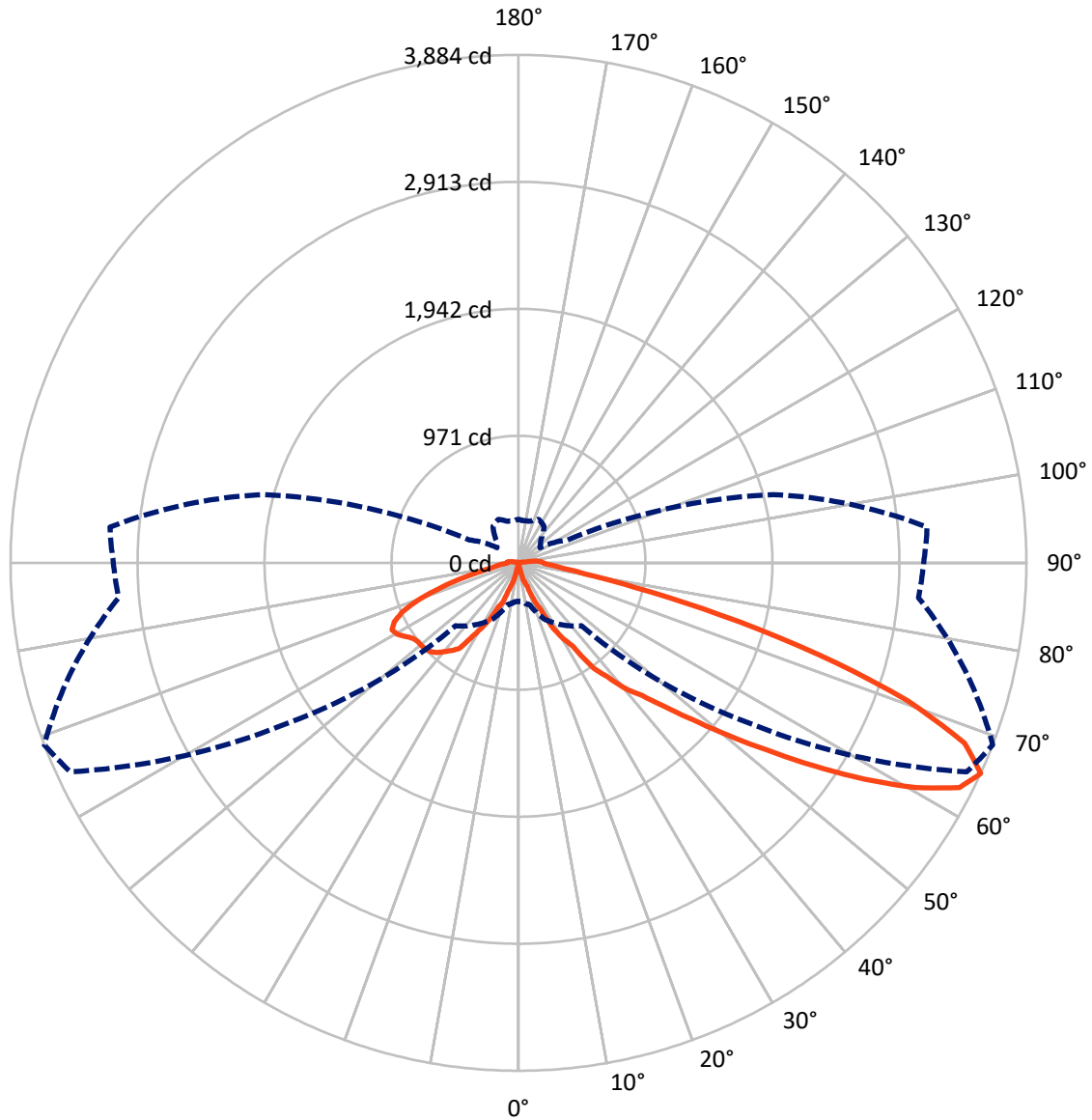
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

REPORT NUMBER: P695767
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

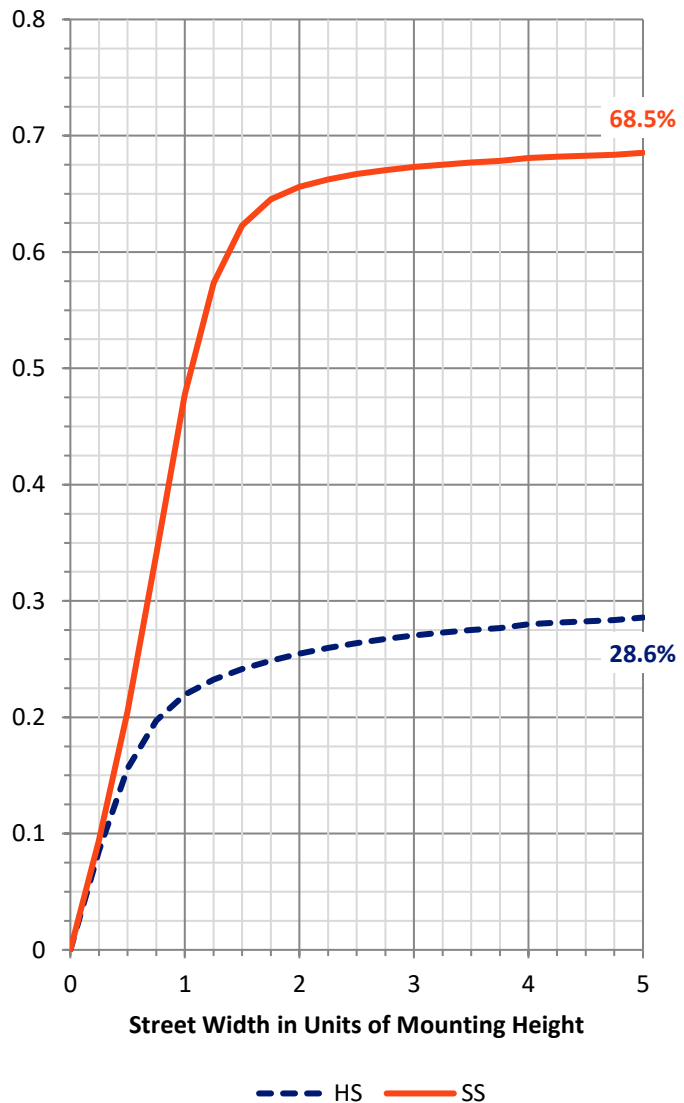
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.8	44.5	1564.2
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3581.2	38.6	3619.8
	% Fixture	69.1	0.7	69.8
Total	Lumens	5101.0	83.1	5184.1
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	31.3	0.6
20°-30°	199.6	3.9
30°-40°	547.8	10.6
40°-50°	976.7	18.8
50°-60°	1267.7	24.5
60°-70°	1212.2	23.4
70°-80°	698.7	13.5
80°-90°	166.6	3.2
90°-100°	58.9	1.1
100°-110°	10.7	0.2
110°-120°	5.1	0.1
120°-130°	4.1	0.1
130°-140°	2.5	0.0
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5101.0	98.4
0°-180°	5184.1	100.0

Coefficient of Utilization

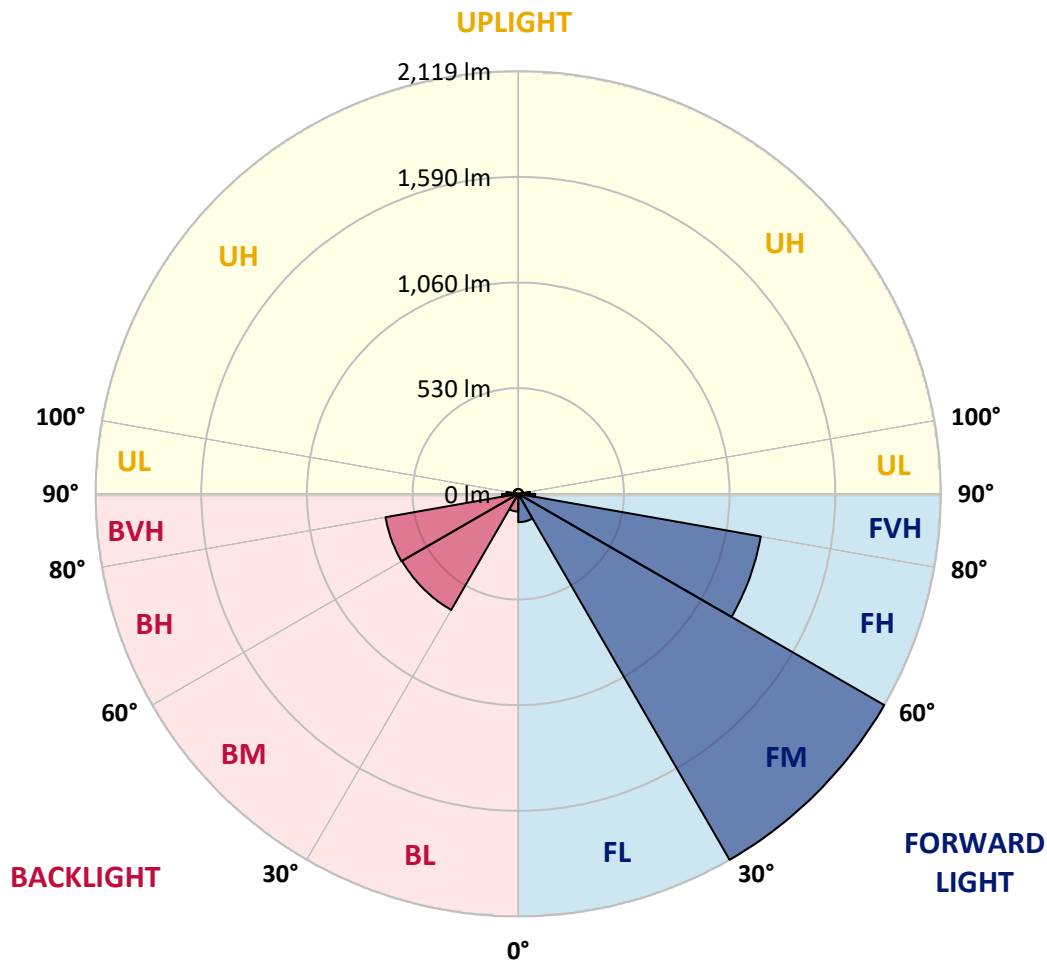


REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.3	2.7			
FM (30°-60°)	2119.4	40.9			
FH (60°-80°)	1234.7	23.8			G1/1800
FVH (80°-90°)	84.8	1.6			G1/100
BL (0°-30°)	89.0	1.7	B0/110		
BM (30°-60°)	672.8	13.0	B1/1000		
BH (60°-80°)	676.2	13.0	B2/1000		G2/1000
BVH (80°-90°)	81.8	1.6			G1/100
UL (90°-100°)	58.9	1.1		U3/500	
UH (100°-180°)	24.2	0.5		U2/50	

BUG Rating: B2-U3-G2
 Type II Short



REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	1.8	1.8
5°	3.5	3.5	3.5	5.3	3.5	3.5	3.5	3.5	3.5	1.8	1.8
7.5°	7.0	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	1.8	1.8
10°	29.8	24.6	19.3	14.0	8.8	5.3	5.3	3.5	3.5	3.5	3.5
12.5°	129.8	124.5	122.8	115.8	38.6	14.0	8.8	14.0	17.5	24.6	29.8
15°	152.6	150.9	147.4	136.8	129.8	96.5	31.6	119.3	129.8	136.8	138.6
17.5°	278.9	254.4	196.5	170.2	150.9	138.6	131.6	152.6	156.1	159.6	164.9
20°	377.1	377.1	361.4	317.5	193.0	229.8	226.3	182.4	191.2	236.8	298.2
22.5°	471.9	466.6	436.8	403.5	396.4	275.4	263.1	319.3	324.5	354.3	354.3
25°	777.1	777.1	689.4	508.7	475.4	400.0	405.2	408.7	396.4	403.5	421.0
27.5°	922.7	910.4	877.1	775.3	589.4	556.1	480.6	478.9	570.1	589.4	601.7
30°	1319.1	1313.9	1126.2	913.9	796.4	643.8	656.1	670.1	670.1	671.9	652.6
32.5°	1594.5	1601.6	1505.1	1215.6	935.0	791.1	794.6	742.0	759.6	880.6	889.4
35°	1862.9	1877.0	1743.7	1478.8	1206.9	980.6	889.4	954.3	991.1	989.4	966.6
37.5°	2134.8	2124.3	2006.8	1708.6	1413.9	1127.9	1084.1	1122.7	1105.1	1127.9	1056.0
40°	2326.0	2324.3	2219.0	1950.6	1624.4	1331.4	1222.7	1257.7	1270.0	1261.3	1168.3
42.5°	2457.6	2445.3	2401.5	2199.7	1899.8	1601.6	1405.1	1429.7	1387.6	1420.9	1303.4
45°	2512.0	2496.2	2489.2	2336.6	2138.3	2013.8	1664.7	1615.6	1568.2	1634.9	1461.2
47.5°	2438.3	2417.3	2457.6	2410.2	2326.0	2303.2	1968.2	1798.0	1791.0	1841.9	1657.7
50°	2199.7	2162.9	2271.7	2355.9	2415.5	2503.2	2308.5	2089.2	2066.4	2069.9	1841.9
52.5°	1820.8	1822.6	1952.4	2105.0	2380.4	2538.3	2634.8	2455.9	2376.9	2338.3	2027.8
55°	1454.2	1466.5	1564.7	1699.8	2091.0	2503.2	2883.9	2869.8	2736.5	2597.9	2226.1
57.5°	1045.5	1071.8	1222.7	1315.6	1692.8	2257.6	3008.4	3238.2	3122.4	2866.3	2438.3
60°	598.2	629.8	794.6	1005.1	1296.3	1799.8	2947.0	3617.1	3490.8	3148.8	2650.6
62.5°	380.7	389.4	461.3	682.4	847.3	1184.1	2687.4	3846.9	3783.8	3408.4	2880.4
65°	294.7	298.2	333.3	477.1	578.9	680.6	2113.8	3782.0	3883.8	3587.3	3069.8
67.5°	270.1	270.1	280.7	342.1	438.5	429.8	1366.5	3387.3	3678.5	3611.9	3133.0
70°	252.6	256.1	268.4	277.2	345.6	324.5	735.0	2680.4	3157.5	3371.5	3111.9
72.5°	221.0	224.5	240.3	263.1	268.4	263.1	410.5	1782.2	2399.7	2831.2	2941.8
75°	187.7	189.5	200.0	236.8	235.1	212.3	340.3	1064.8	1589.3	2076.9	2494.4
77.5°	154.4	159.6	171.9	191.2	214.0	168.4	303.5	626.2	906.9	1306.9	1729.6
80°	114.0	117.5	129.8	157.9	171.9	145.6	250.8	407.0	508.7	677.1	833.2
82.5°	82.4	84.2	94.7	114.0	122.8	124.5	196.5	328.0	349.1	373.6	375.4
85°	50.9	49.1	50.9	59.6	75.4	80.7	142.1	261.4	263.1	254.4	250.8
87.5°	22.8	22.8	17.5	21.1	24.6	24.6	73.7	207.0	207.0	196.5	203.5
90°	24.6	24.6	17.5	17.5	19.3	17.5	42.1	175.4	185.9	185.9	205.2
92.5°	26.3	24.6	19.3	17.5	17.5	15.8	26.3	140.3	168.4	185.9	212.3
95°	24.6	24.6	17.5	15.8	15.8	14.0	21.1	96.5	135.1	150.9	180.7
97.5°	17.5	17.5	12.3	12.3	14.0	12.3	15.8	40.3	52.6	68.4	91.2
100°	12.3	12.3	8.8	8.8	8.8	8.8	10.5	17.5	21.1	17.5	21.1
102.5°	10.5	12.3	7.0	7.0	7.0	5.3	7.0	8.8	10.5	12.3	15.8
105°	10.5	10.5	5.3	5.3	5.3	5.3	3.5	7.0	7.0	8.8	15.8
107.5°	7.0	7.0	5.3	5.3	3.5	3.5	3.5	5.3	7.0	8.8	15.8
110°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	5.3	7.0	7.0	12.3

REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3	8.8
115°	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3	8.8
117.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
120°	5.3	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
122.5°	5.3	5.3	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	8.8
125°	5.3	5.3	3.5	1.8	1.8	1.8	1.8	3.5	3.5	5.3	7.0
127.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	7.0
130°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	7.0
132.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3
135°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5
137.5°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5
140°	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	3.5	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	3.5	5.3	3.5	3.5	3.5	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	5.3	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	5.3	5.3	5.3	3.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5
10°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
12.5°	28.1	26.3	22.8	12.3	5.3	3.5	3.5	3.5	5.3	7.0	7.0
15°	142.1	143.8	140.3	126.3	31.6	8.8	5.3	15.8	59.6	103.5	71.9
17.5°	164.9	166.6	163.1	159.6	145.6	64.9	42.1	138.6	143.8	154.4	150.9
20°	303.5	300.0	250.8	185.9	168.4	156.1	131.6	159.6	168.4	171.9	171.9
22.5°	352.6	350.8	343.8	324.5	200.0	233.3	208.7	175.4	287.7	301.7	300.0
25°	408.7	398.2	378.9	361.4	345.6	256.1	257.9	278.9	294.7	296.5	296.5
27.5°	585.9	571.9	540.3	449.1	405.2	319.3	322.8	285.9	287.7	345.6	356.1
30°	636.8	614.0	580.6	563.1	466.6	375.4	308.7	328.0	338.6	336.8	340.3
32.5°	849.0	815.7	699.9	629.8	514.0	363.1	322.8	317.5	317.5	345.6	349.1
35°	915.7	866.6	803.4	785.9	522.7	356.1	305.2	310.5	350.8	356.1	354.3
37.5°	994.6	926.2	863.1	821.0	547.3	329.8	289.4	312.2	324.5	324.5	322.8
40°	1082.3	1013.9	949.0	831.5	521.0	303.5	291.2	296.5	305.2	300.0	298.2
42.5°	1210.4	1119.2	1061.3	831.5	454.3	287.7	284.2	284.2	291.2	285.9	284.2
45°	1366.5	1261.3	1156.0	819.2	385.9	278.9	280.7	278.9	285.9	278.9	277.2
47.5°	1531.4	1422.6	1242.0	789.4	333.3	271.9	285.9	277.2	278.9	268.4	266.6
50°	1719.1	1601.6	1331.4	736.8	303.5	271.9	284.2	278.9	273.7	263.1	261.4
52.5°	1908.5	1789.3	1436.7	671.9	282.4	266.6	285.9	284.2	277.2	261.4	261.4
55°	2103.3	2020.8	1557.7	615.7	259.6	264.9	294.7	294.7	280.7	259.6	257.9
57.5°	2312.0	2255.9	1691.0	594.7	238.6	254.4	308.7	312.2	285.9	257.9	257.9
60°	2555.8	2578.6	1833.1	570.1	224.5	245.6	315.8	328.0	292.9	257.9	257.9
62.5°	2859.3	2924.2	1966.4	514.0	212.3	233.3	322.8	345.6	314.0	287.7	289.4
65°	3097.9	3136.5	2013.8	412.2	200.0	238.6	340.3	366.6	328.0	324.5	333.3
67.5°	3229.4	3211.9	1941.9	314.0	185.9	235.1	335.0	380.7	343.8	352.6	357.9
70°	3225.9	3097.9	1703.3	242.1	173.7	231.6	340.3	375.4	352.6	377.1	392.9
72.5°	3001.4	2710.2	1291.1	210.5	173.7	228.0	331.5	361.4	354.3	378.9	391.2
75°	2412.0	2059.4	885.9	184.2	164.9	217.5	315.8	336.8	322.8	343.8	350.8
77.5°	1598.1	1354.2	494.7	166.6	163.1	200.0	287.7	298.2	282.4	296.5	301.7
80°	749.0	624.5	275.4	154.4	157.9	177.2	236.8	252.6	228.0	242.1	242.1
82.5°	343.8	317.5	208.7	140.3	142.1	135.1	184.2	208.7	185.9	193.0	185.9
85°	231.6	233.3	166.6	119.3	115.8	96.5	145.6	161.4	140.3	145.6	122.8
87.5°	201.7	207.0	133.3	77.2	66.7	59.6	94.7	98.2	71.9	59.6	57.9
90°	207.0	208.7	122.8	57.9	40.3	31.6	50.9	49.1	31.6	28.1	28.1
92.5°	214.0	214.0	124.5	61.4	40.3	29.8	45.6	36.8	28.1	24.6	24.6
95°	194.7	184.2	108.8	61.4	38.6	26.3	36.8	31.6	24.6	24.6	22.8
97.5°	119.3	108.8	80.7	61.4	31.6	22.8	28.1	24.6	17.5	15.8	15.8
100°	33.3	28.1	50.9	49.1	22.8	15.8	19.3	15.8	10.5	8.8	7.0
102.5°	15.8	15.8	26.3	31.6	12.3	8.8	10.5	10.5	8.8	8.8	7.0
105°	15.8	15.8	12.3	14.0	7.0	5.3	5.3	7.0	7.0	8.8	8.8
107.5°	15.8	17.5	10.5	7.0	7.0	5.3	3.5	5.3	7.0	8.8	10.5
110°	14.0	14.0	8.8	7.0	5.3	5.3	3.5	5.3	7.0	10.5	10.5

REPORT NUMBER: P695767
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	10.5	7.0	7.0	5.3	5.3	3.5	3.5	7.0	10.5	12.3
115°	8.8	8.8	7.0	5.3	3.5	3.5	3.5	3.5	7.0	12.3	14.0
117.5°	8.8	8.8	5.3	3.5	3.5	3.5	3.5	3.5	7.0	14.0	14.0
120°	8.8	8.8	5.3	3.5	3.5	3.5	3.5	5.3	8.8	14.0	15.8
122.5°	8.8	8.8	5.3	3.5	3.5	3.5	3.5	5.3	8.8	14.0	15.8
125°	8.8	8.8	5.3	3.5	3.5	3.5	3.5	5.3	8.8	14.0	14.0
127.5°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	12.3	14.0
130°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	3.5	7.0	12.3	12.3
132.5°	5.3	5.3	3.5	3.5	3.5	1.8	3.5	3.5	7.0	10.5	10.5
135°	3.5	3.5	3.5	1.8	1.8	1.8	3.5	3.5	5.3	7.0	8.8
137.5°	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5	5.3	5.3	5.3
140°	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	5.3	5.3
142.5°	1.8	1.8	1.8	1.8	3.5	1.8	3.5	3.5	3.5	5.3	5.3
145°	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	5.3	5.3
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	5.3	5.3	5.3
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	5.3	5.3
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)