

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: P413987

Luminaire Tested: **LXF.LXT-PA1-100-827-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413987  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-827-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6845 lumens  
Efficiency: N/A  
Efficacy: 71.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

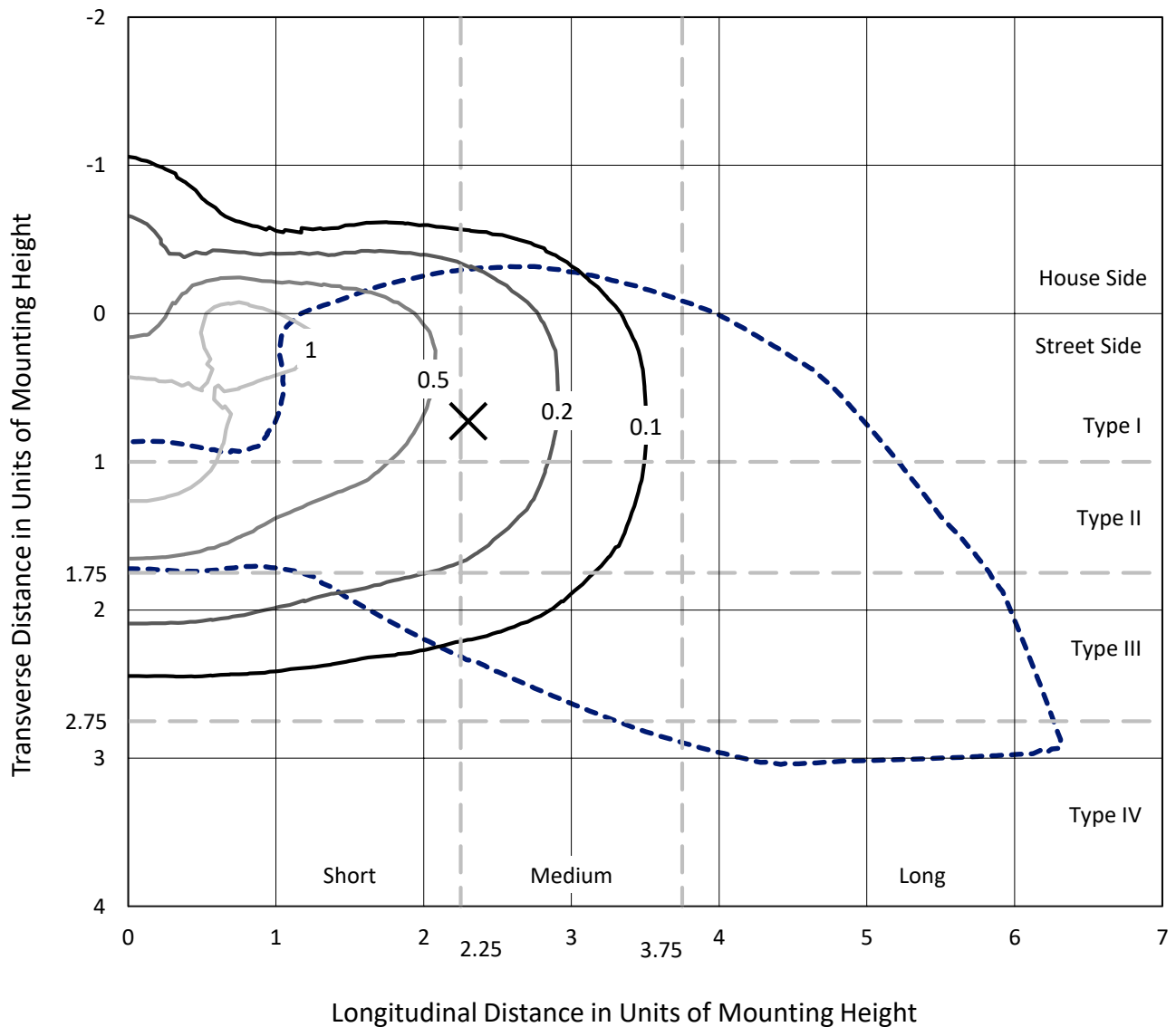


REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

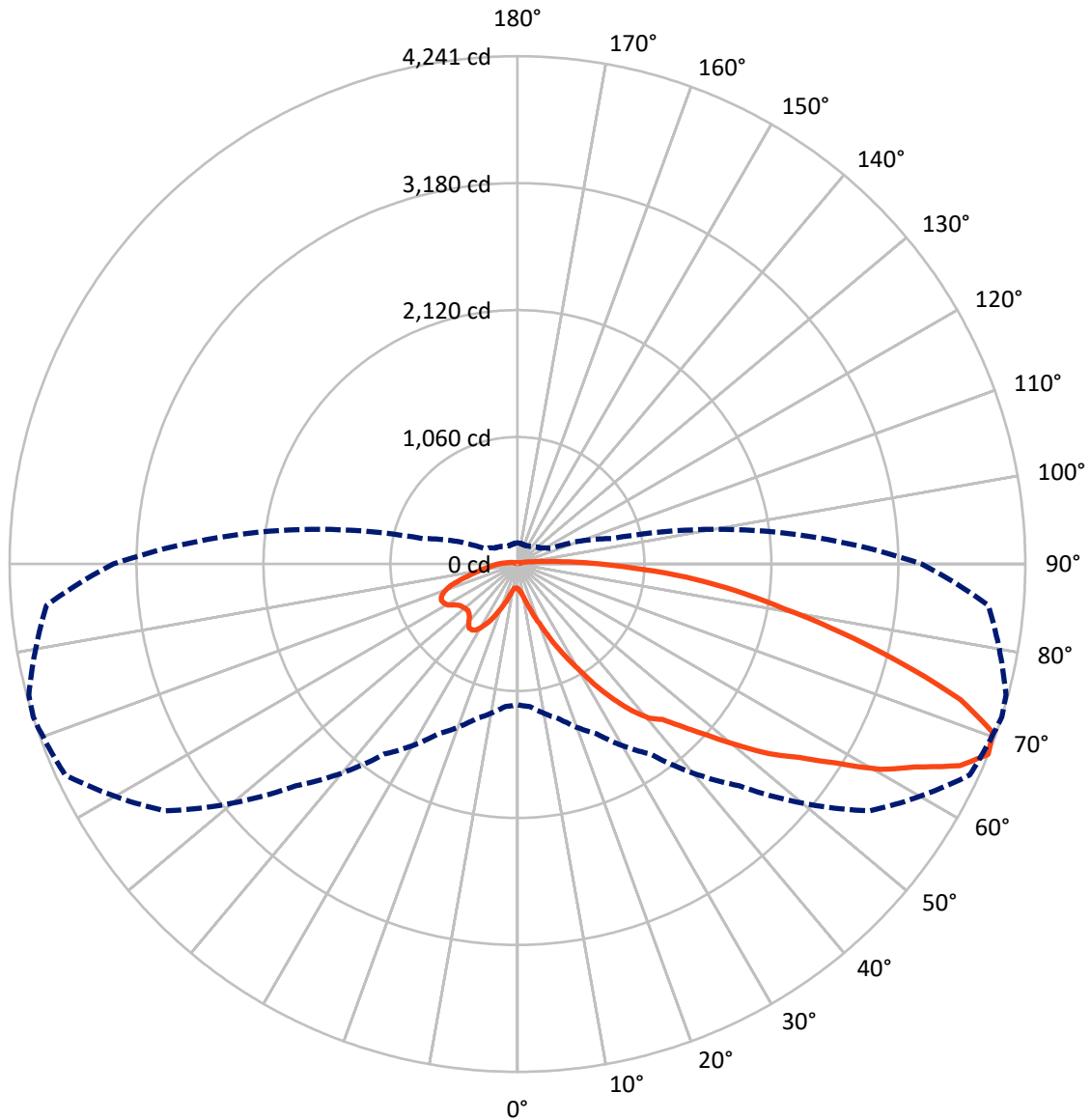


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

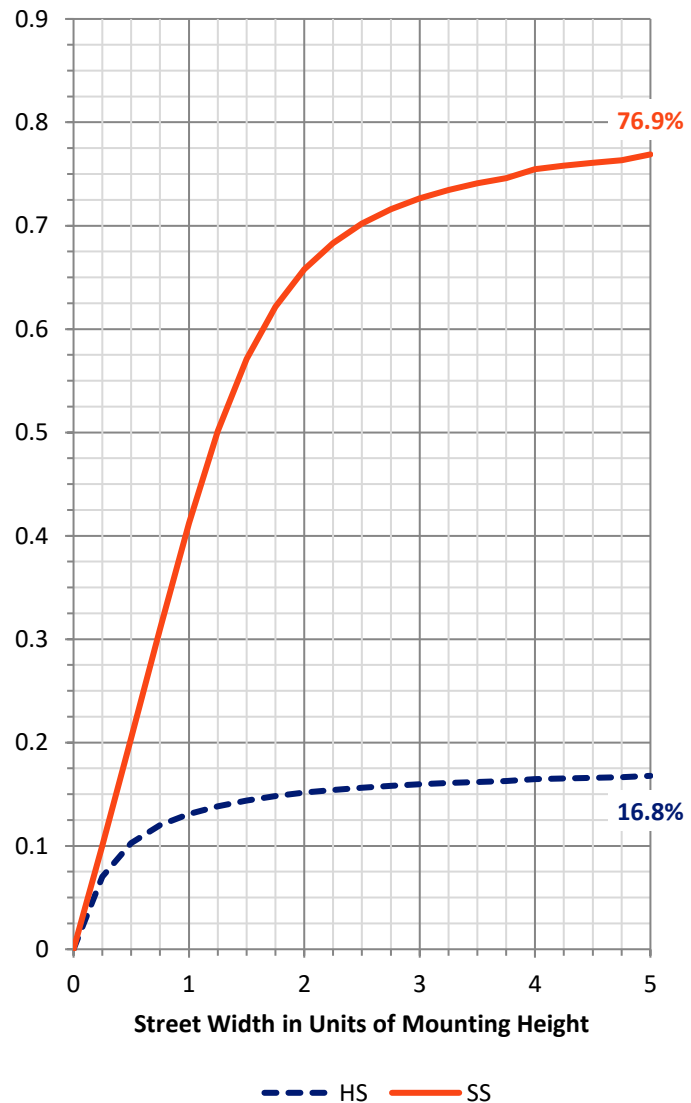
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1197.7	105.2	1302.9
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	5393.2	148.9	5542.0
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	6590.9	254.1	6845.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.3
10°-20°	92.4	1.3
20°-30°	256.0	3.7
30°-40°	550.4	8.0
40°-50°	931.7	13.6
50°-60°	1366.9	20.0
60°-70°	1630.2	23.8
70°-80°	1217.4	17.8
80°-90°	524.3	7.7
90°-100°	152.1	2.2
100°-110°	49.5	0.7
110°-120°	23.2	0.3
120°-130°	14.2	0.2
130°-140°	9.1	0.1
140°-150°	4.0	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6590.9	96.3
0°-180°	6845.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P413987

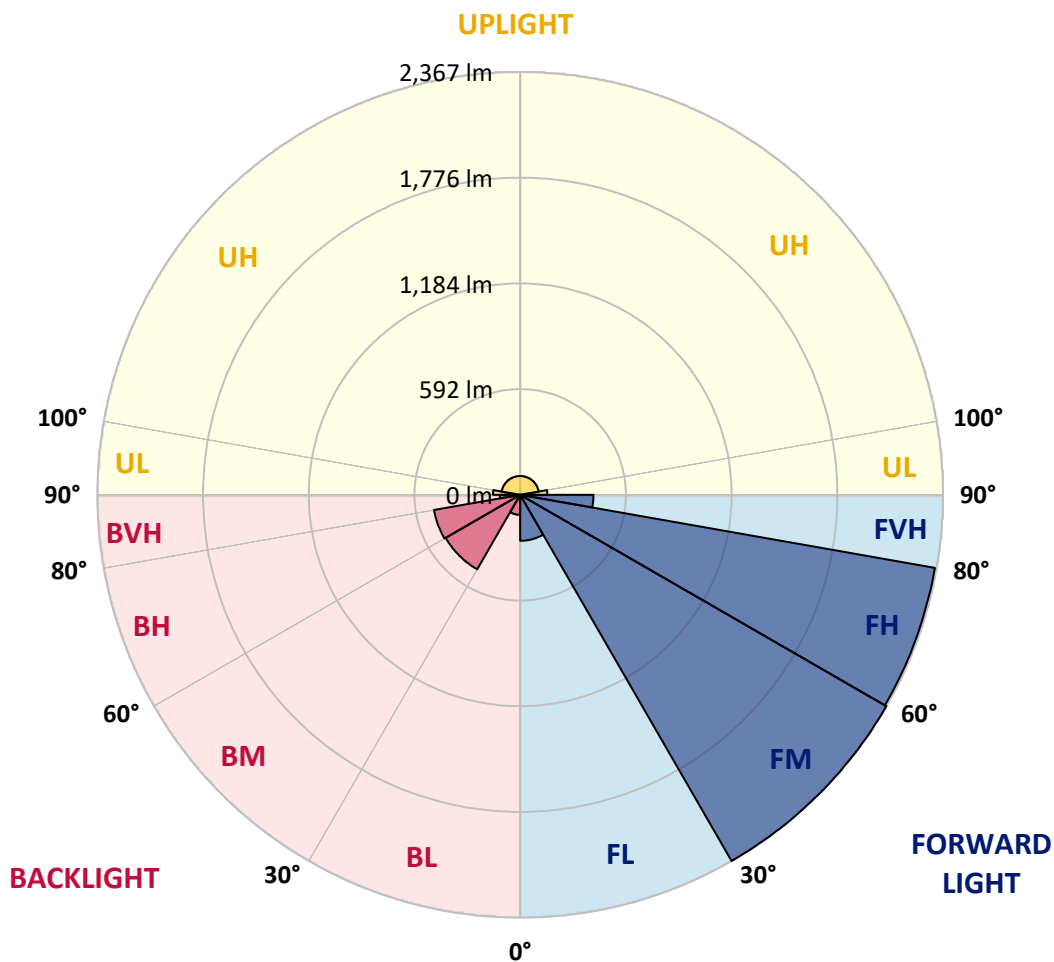
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.6	3.8			
FM (30°-60°)	2367.5	34.6			
FH (60°-80°)	2358.0	34.4			G2/5000
FVH (80°-90°)	410.1	6.0			G3/500
BL (0°-30°)	112.2	1.6	B1/500		
BM (30°-60°)	481.6	7.0	B1/1000		
BH (60°-80°)	489.7	7.2	B1/500		G1/500
BVH (80°-90°)	114.2	1.7			G2/225
UL (90°-100°)	152.1	2.2		U3/500	
UH (100°-180°)	105.2	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	224.7	226.3	227.9	227.1	226.3	223.9	219.9	215.9	211.9	211.9	208.7
5°	256.8	256.0	255.2	256.0	252.0	246.4	240.0	232.7	227.1	225.5	217.5
7.5°	293.7	292.1	293.7	288.9	283.3	276.1	266.4	256.8	247.2	245.6	232.7
10°	337.9	336.3	335.5	331.4	321.0	310.6	301.0	285.7	278.5	276.1	259.2
12.5°	393.2	392.4	387.6	379.6	366.0	355.5	341.9	333.9	326.6	321.0	304.2
15°	456.6	458.2	452.6	435.8	418.9	402.9	396.5	390.0	384.4	382.0	367.6
17.5°	545.7	542.5	529.7	504.0	476.7	463.9	458.2	454.2	459.9	458.2	435.8
20°	655.7	647.6	627.6	583.4	549.7	528.9	524.1	531.3	534.5	542.5	527.3
22.5°	784.9	774.4	740.7	691.0	642.0	602.7	597.9	619.6	639.6	642.0	635.6
25°	910.9	901.2	871.6	806.5	740.7	688.6	677.3	725.5	765.6	772.8	781.7
27.5°	1040.1	1035.3	991.9	921.3	849.1	783.3	781.7	833.8	896.4	913.3	928.5
30°	1187.0	1198.2	1143.6	1054.5	963.8	887.6	883.6	960.6	1037.7	1073.8	1099.5
32.5°	1394.0	1384.4	1316.2	1216.6	1081.8	992.7	998.4	1088.2	1218.3	1248.7	1282.5
35°	1631.6	1634.8	1541.7	1386.8	1227.9	1117.9	1113.9	1239.1	1390.0	1415.7	1471.9
37.5°	1826.6	1842.6	1773.6	1595.4	1391.6	1249.5	1255.2	1395.6	1554.5	1605.9	1654.8
40°	2036.0	2050.5	1970.2	1796.9	1569.8	1394.8	1402.8	1539.3	1690.9	1732.7	1744.7
42.5°	2264.8	2279.2	2182.1	1976.6	1719.8	1569.8	1538.5	1642.8	1775.2	1827.4	1837.8
45°	2479.0	2503.9	2406.0	2164.4	1887.6	1727.1	1679.7	1764.0	1937.3	1985.5	1996.7
47.5°	2544.8	2574.5	2532.0	2334.6	2048.1	1862.7	1831.4	1948.6	2135.5	2207.0	2192.5
50°	2608.2	2635.5	2609.8	2434.9	2181.3	2020.0	2027.2	2163.6	2375.5	2467.0	2455.8
52.5°	2617.9	2646.0	2619.5	2496.7	2295.3	2178.9	2259.1	2420.4	2630.7	2697.3	2681.3
55°	2633.9	2652.4	2628.3	2489.5	2377.9	2348.2	2499.9	2683.7	2850.6	2930.1	2903.6
57.5°	2410.8	2418.0	2505.5	2468.6	2395.6	2536.0	2771.2	2937.3	3133.9	3252.7	3239.0
60°	2089.8	2105.1	2213.4	2298.5	2383.5	2670.0	3037.6	3288.8	3481.4	3559.2	3485.4
62.5°	1825.8	1842.6	1956.6	2065.7	2281.6	2729.4	3316.1	3603.4	3730.2	3800.8	3713.3
65°	1471.0	1483.9	1622.7	1837.0	2115.5	2706.2	3524.7	3930.8	4058.4	4086.5	3917.2
67.5°	1175.7	1195.0	1336.2	1564.9	1937.3	2617.9	3593.0	4166.8	4240.6	4223.7	3946.9
70°	874.8	884.4	1056.9	1347.5	1726.3	2425.3	3528.0	4219.7	4208.5	4186.8	3807.2
72.5°	602.7	601.1	763.2	1046.5	1506.4	2205.4	3225.4	3920.4	3867.4	3811.2	3330.5
75°	389.2	410.9	512.0	760.8	1218.3	1887.6	2833.8	3404.4	3314.5	3225.4	2743.9
77.5°	262.4	277.7	359.5	544.9	930.9	1587.4	2438.9	2923.6	2773.6	2692.5	2215.0
80°	180.6	187.0	249.6	400.5	692.6	1259.2	1997.5	2419.6	2255.9	2159.6	1719.0
82.5°	126.8	131.6	174.2	295.3	521.6	940.6	1594.6	2012.8	1841.0	1771.2	1335.4
85°	91.5	94.7	125.2	219.9	396.5	706.2	1213.4	1565.7	1416.5	1362.7	954.2
87.5°	68.2	71.4	94.7	162.9	305.0	536.9	905.3	1121.1	960.6	890.8	602.7
90°	50.6	53.8	73.0	122.0	238.4	404.5	655.7	766.4	623.6	565.0	384.4
92.5°	37.7	40.1	54.6	89.1	182.2	309.8	462.3	484.7	369.2	336.3	242.4
95°	28.1	29.7	40.9	65.0	130.0	225.5	302.6	283.3	217.5	197.4	153.3
97.5°	23.3	24.1	32.1	49.8	91.5	158.1	194.2	174.2	140.4	130.8	105.9
100°	19.3	20.1	25.7	37.7	66.6	108.3	128.4	113.2	97.9	93.9	82.7
102.5°	16.9	17.7	21.7	31.3	49.8	77.8	89.1	81.1	72.2	69.0	64.2
105°	15.2	15.2	19.3	26.5	40.9	58.6	65.0	59.4	53.8	52.2	51.4
107.5°	13.6	13.6	16.9	23.3	33.7	45.7	49.0	44.1	39.3	38.5	40.9
110°	12.8	12.8	15.2	20.9	28.9	37.7	38.5	32.9	29.7	29.7	32.9



REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.0	12.0	14.4	18.5	25.7	31.3	30.5	25.7	23.3	23.3	27.3
115°	12.0	12.0	13.6	17.7	22.5	26.5	24.9	20.9	19.3	19.3	23.3
117.5°	12.0	12.8	13.6	16.9	20.9	23.3	21.7	17.7	16.9	16.9	20.9
120°	12.8	12.8	13.6	16.9	19.3	20.1	18.5	15.2	14.4	15.2	19.3
122.5°	12.8	12.8	14.4	16.9	18.5	18.5	16.1	13.6	13.6	13.6	17.7
125°	13.6	13.6	14.4	16.9	17.7	16.9	14.4	12.8	12.8	13.6	16.1
127.5°	14.4	14.4	15.2	16.9	16.9	15.2	13.6	12.0	12.0	12.8	16.1
130°	16.1	16.1	16.1	16.9	15.2	13.6	12.0	11.2	12.0	12.8	16.1
132.5°	16.1	16.1	16.1	16.1	14.4	12.0	11.2	10.4	12.0	12.8	15.2
135°	14.4	14.4	14.4	14.4	12.8	10.4	9.6	9.6	11.2	12.0	14.4
137.5°	12.8	12.8	12.8	12.0	11.2	9.6	8.0	8.0	9.6	10.4	12.8
140°	11.2	11.2	10.4	10.4	9.6	8.0	7.2	7.2	8.0	8.8	10.4
142.5°	8.8	8.8	8.8	8.8	8.0	6.4	5.6	5.6	7.2	8.0	8.8
145°	7.2	7.2	7.2	7.2	6.4	5.6	4.8	4.8	5.6	6.4	7.2
147.5°	5.6	5.6	6.4	6.4	5.6	4.8	3.2	4.0	4.8	4.8	5.6
150°	4.8	4.8	4.8	5.6	4.0	3.2	2.4	3.2	4.0	4.0	4.8
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	4.0	4.0
155°	2.4	2.4	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	4.0
157.5°	1.6	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6





REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	206.3	204.6	201.4	198.2	195.0	191.8	191.0	189.4	188.6	187.8	188.6
5°	214.3	209.5	202.2	195.0	188.6	183.0	179.0	175.0	171.7	170.1	170.1
7.5°	228.7	220.7	208.7	196.6	185.4	175.8	169.3	163.7	159.7	158.1	157.3
10°	251.2	241.6	223.9	204.6	187.8	173.3	163.7	157.3	153.3	150.9	150.9
12.5°	290.5	279.3	251.2	221.5	194.2	174.2	161.3	154.9	150.9	150.1	150.9
15°	352.3	334.7	293.7	251.2	209.5	175.8	159.7	157.3	158.9	159.7	159.7
17.5°	424.5	400.5	348.3	284.1	226.3	183.0	166.1	164.5	166.9	169.3	170.9
20°	505.6	474.3	398.9	315.4	237.6	193.4	172.5	169.3	175.0	179.8	179.0
22.5°	608.3	570.6	463.1	339.5	245.6	195.8	175.0	171.7	181.4	187.0	188.6
25°	743.1	689.4	538.5	365.2	250.4	192.6	173.3	174.2	188.6	199.8	202.2
27.5°	890.0	812.2	608.3	386.0	250.4	184.6	170.9	180.6	200.6	215.1	216.7
30°	1050.5	942.2	669.3	402.1	243.2	176.6	168.5	183.8	203.8	219.1	220.7
32.5°	1221.5	1077.0	732.7	407.7	232.7	170.1	166.1	181.4	198.2	211.9	215.1
35°	1373.1	1197.4	757.6	399.7	218.3	165.3	160.5	173.3	190.2	207.1	207.9
37.5°	1531.2	1312.1	768.8	377.2	203.8	160.5	155.7	167.7	187.8	207.9	210.3
40°	1598.7	1341.8	736.7	345.9	190.2	157.3	153.3	166.9	188.6	208.7	211.9
42.5°	1667.7	1370.7	697.4	301.0	181.4	156.5	155.7	166.9	184.6	200.6	203.0
45°	1785.6	1434.9	679.7	270.5	176.6	158.9	158.1	164.5	177.4	191.8	196.6
47.5°	1954.2	1532.0	670.9	251.2	176.6	162.9	160.5	162.1	170.1	183.0	187.0
50°	2170.1	1666.9	682.2	240.8	180.6	168.5	163.7	161.3	164.5	178.2	183.0
52.5°	2351.4	1796.1	695.8	239.2	187.0	175.8	168.5	161.3	163.7	179.8	185.4
55°	2541.6	1918.9	711.0	243.2	195.0	181.4	171.7	162.9	164.5	179.8	186.2
57.5°	2817.7	2127.5	750.4	252.0	203.0	187.8	175.8	165.3	163.7	175.8	180.6
60°	3069.7	2326.6	809.0	268.8	212.7	194.2	179.8	166.9	162.9	170.9	174.2
62.5°	3222.2	2434.1	831.4	284.9	222.3	199.8	181.4	166.9	165.3	172.5	175.0
65°	3379.5	2536.8	840.3	297.7	227.9	203.0	181.4	168.5	168.5	173.3	174.2
67.5°	3373.9	2514.3	819.4	304.2	232.7	204.6	181.4	168.5	170.1	175.0	175.8
70°	3226.2	2385.1	767.2	303.4	231.9	202.2	178.2	167.7	174.2	179.8	180.6
72.5°	2792.8	2050.5	683.0	293.7	224.7	195.8	173.3	166.1	175.8	183.8	183.8
75°	2291.2	1670.1	564.2	275.3	215.9	187.8	166.1	160.5	172.5	183.8	183.8
77.5°	1804.9	1307.3	457.4	251.2	203.0	178.2	157.3	150.9	164.5	175.0	174.2
80°	1402.0	991.1	367.6	227.1	188.6	167.7	146.9	139.6	151.7	158.9	157.3
82.5°	1075.4	763.2	303.4	204.6	174.2	155.7	136.4	130.0	141.2	146.1	144.5
85°	734.3	546.5	248.8	179.8	155.7	141.2	126.0	121.2	134.0	139.6	138.0
87.5°	484.7	375.6	207.9	158.1	137.2	126.8	114.0	112.4	126.8	132.4	131.6
90°	320.2	262.4	176.6	137.2	119.6	110.8	102.7	102.7	115.6	120.4	117.2
92.5°	211.1	186.2	139.6	116.4	101.9	96.3	91.5	90.7	101.9	103.5	101.1
95°	143.7	130.8	109.1	96.3	85.9	82.7	78.6	80.3	87.5	85.9	83.5
97.5°	102.7	99.5	88.3	78.6	71.4	70.6	69.0	69.8	73.8	70.6	69.0
100°	81.9	79.5	73.0	65.8	61.0	60.2	59.4	60.2	62.6	59.4	57.8
102.5°	65.8	65.8	61.0	55.4	51.4	52.2	52.2	52.2	53.0	48.2	48.2
105°	53.0	53.0	51.4	46.5	44.1	44.1	44.9	44.9	44.9	41.7	41.7
107.5°	42.5	44.1	43.3	39.3	37.7	38.5	38.5	37.7	37.7	36.1	36.1
110°	34.5	36.1	36.1	33.7	32.9	33.7	32.9	32.1	31.3	31.3	31.3



REPORT NUMBER: P413987

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.9	30.5	31.3	29.7	28.9	28.9	28.1	27.3	27.3	28.1	28.1
115°	24.9	26.5	27.3	25.7	25.7	25.7	24.1	23.3	23.3	24.9	24.9
117.5°	22.5	23.3	24.1	23.3	22.5	22.5	21.7	20.1	20.1	21.7	22.5
120°	20.1	20.9	21.7	20.9	20.1	19.3	18.5	17.7	17.7	20.1	20.1
122.5°	18.5	19.3	19.3	18.5	17.7	17.7	16.9	16.1	16.1	17.7	18.5
125°	17.7	17.7	17.7	16.9	16.1	15.2	14.4	14.4	14.4	16.1	16.1
127.5°	16.9	16.9	16.1	15.2	14.4	13.6	13.6	12.8	12.8	14.4	15.2
130°	16.9	16.9	15.2	14.4	13.6	12.0	12.0	11.2	12.0	13.6	13.6
132.5°	16.1	16.1	14.4	13.6	12.0	11.2	10.4	10.4	10.4	12.0	12.8
135°	15.2	14.4	12.8	12.0	10.4	9.6	9.6	9.6	9.6	11.2	11.2
137.5°	13.6	12.8	11.2	10.4	9.6	8.8	8.0	8.0	8.8	9.6	10.4
140°	11.2	11.2	9.6	8.8	8.0	7.2	7.2	7.2	8.0	8.8	8.8
142.5°	9.6	9.6	8.0	7.2	6.4	5.6	6.4	6.4	7.2	8.0	8.0
145°	8.0	7.2	7.2	5.6	5.6	4.8	4.8	5.6	6.4	7.2	7.2
147.5°	6.4	6.4	5.6	4.8	4.0	4.0	4.0	4.8	5.6	5.6	6.4
150°	5.6	5.6	4.8	4.8	3.2	2.4	3.2	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	3.2	1.6	2.4	4.0	4.0	4.0	4.0
155°	4.0	4.0	4.0	3.2	2.4	0.8	2.4	3.2	3.2	3.2	3.2
157.5°	3.2	3.2	3.2	3.2	1.6	0.8	1.6	2.4	2.4	2.4	3.2
160°	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	1.6	1.6	1.6
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)