

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: P413993

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
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-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6825.9 lumens  
Efficiency: N/A  
Efficacy: 71.1 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: B2 - 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

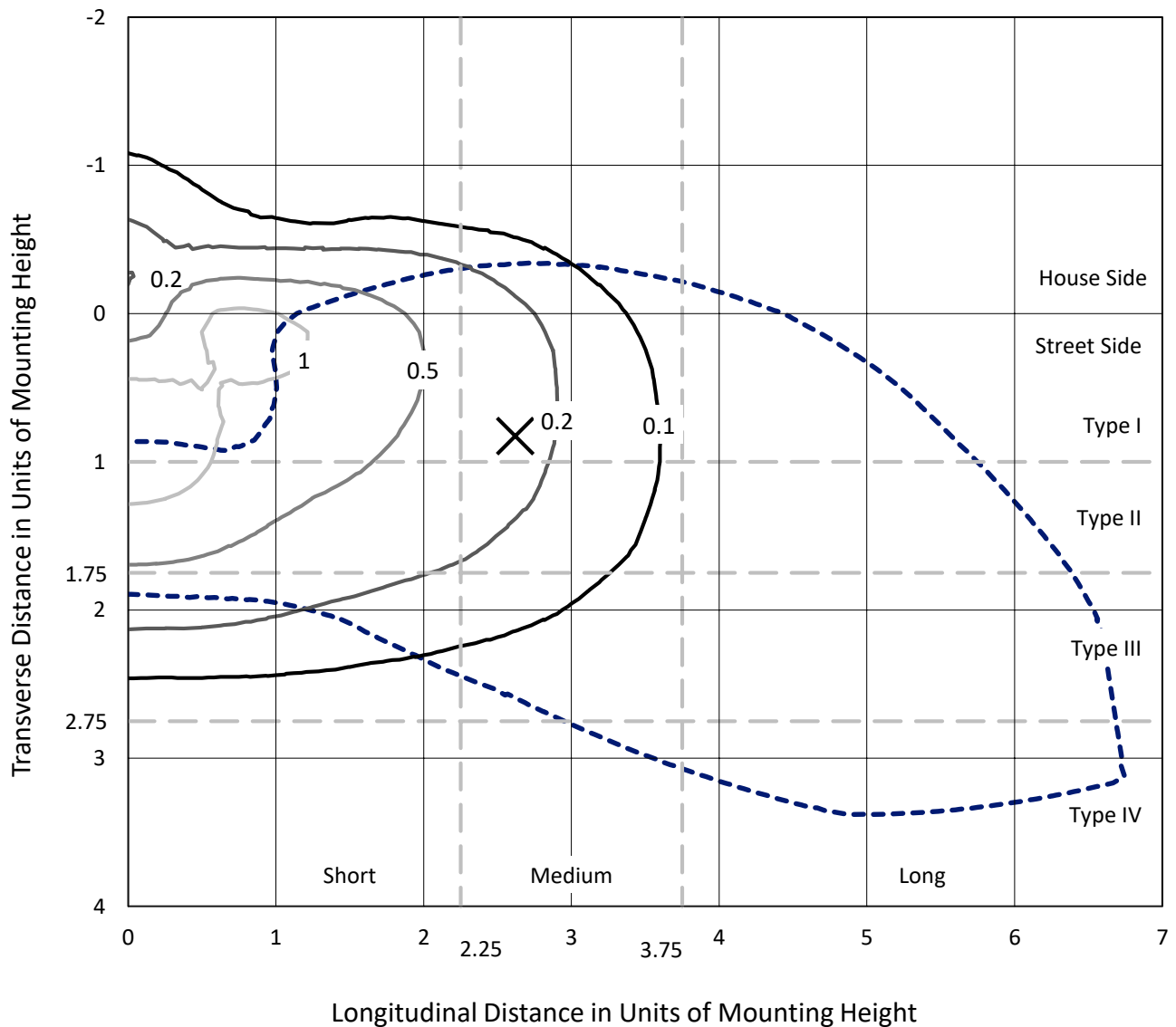


REPORT NUMBER: P413993

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

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

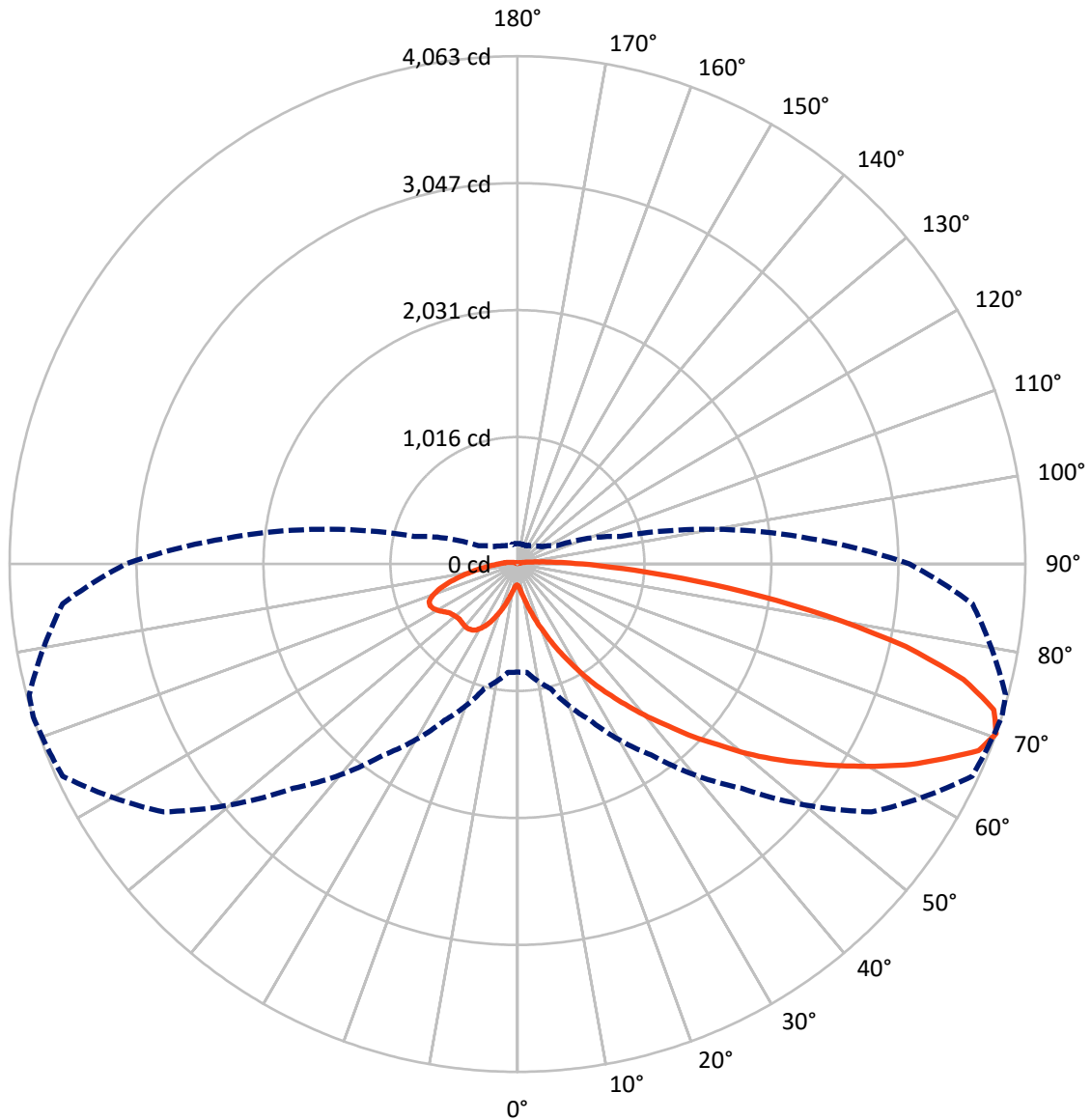


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413993

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

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P413993

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

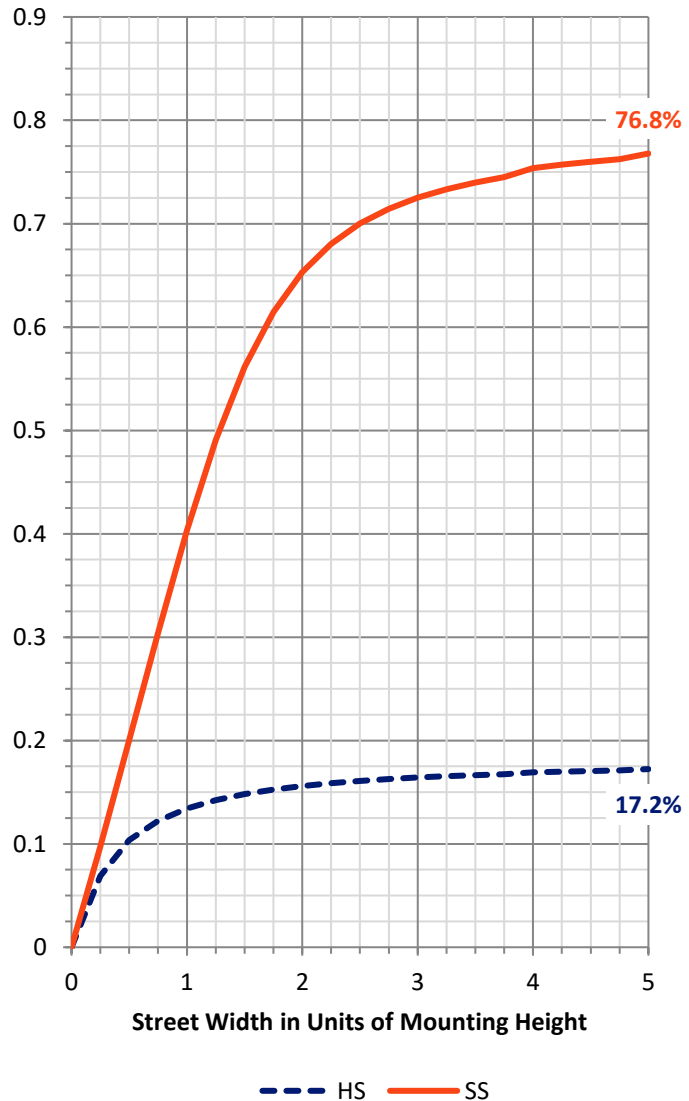
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1227.1	111.3	1338.4
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	5359.0	128.5	5487.6
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	6586.1	239.8	6825.9
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.3
10°-20°	92.4	1.4
20°-30°	257.9	3.8
30°-40°	534.6	7.8
40°-50°	923.4	13.5
50°-60°	1363.7	20.0
60°-70°	1609.6	23.6
70°-80°	1277.4	18.7
80°-90°	507.9	7.4
90°-100°	134.2	2.0
100°-110°	51.8	0.8
110°-120°	25.2	0.4
120°-130°	14.3	0.2
130°-140°	8.4	0.1
140°-150°	4.0	0.1
150°-160°	1.3	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6586.1	96.5
0°-180°	6825.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P413993

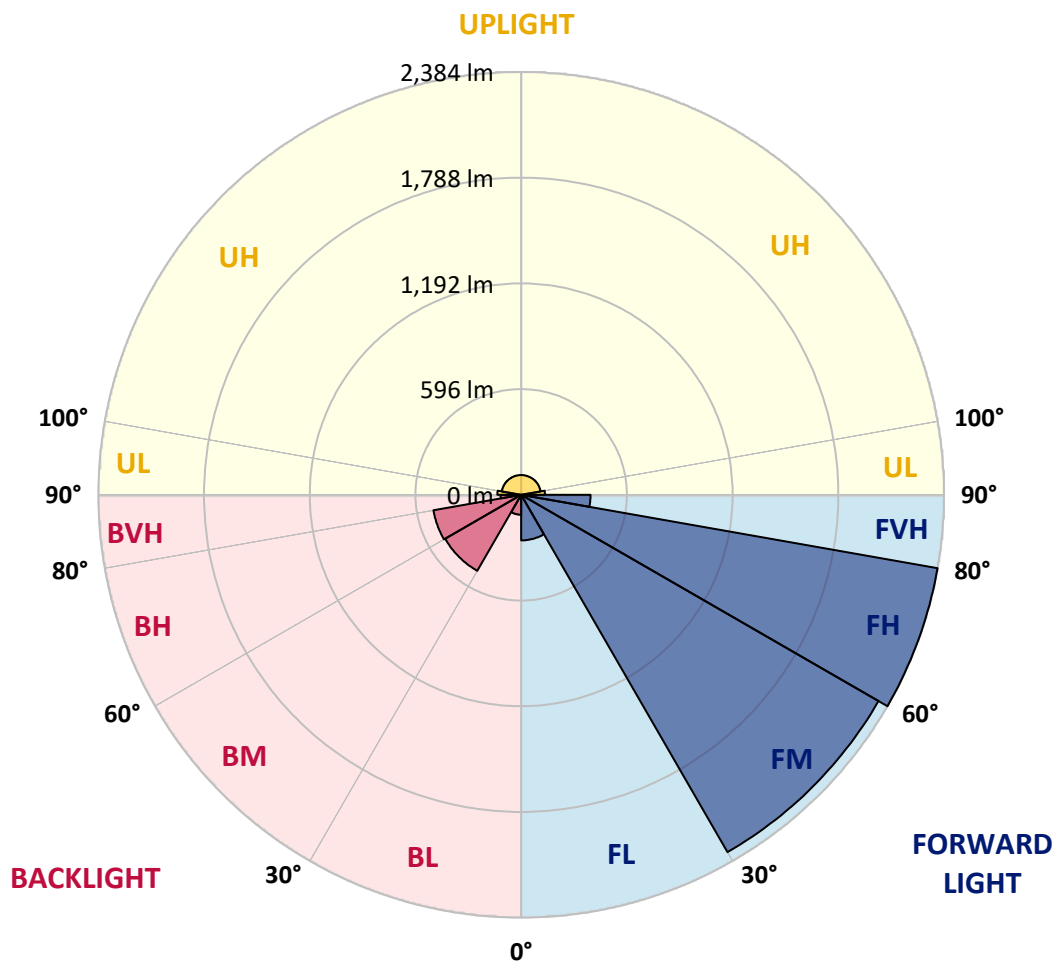
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.9	3.8			
FM	(30°-60°)	2326.6	34.1			
FH	(60°-80°)	2384.4	34.9			G2/5000
FVH	(80°-90°)	391.1	5.7			G3/500
BL	(0°-30°)	112.6	1.6	B1/500		
BM	(30°-60°)	495.2	7.3	B1/1000		
BH	(60°-80°)	502.6	7.4	B2/1000		G2/1000
BVH	(80°-90°)	116.8	1.7			G2/225
UL	(90°-100°)	134.2	2.0		U3/500	
UH	(100°-180°)	111.3	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





REPORT NUMBER: P413993

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0
2.5°	191.8	192.6	191.8	191.8	190.2	189.4	184.6	181.4	179.0	177.4	175.0
5°	222.3	223.9	223.1	223.1	219.1	216.7	211.1	204.7	199.8	199.0	191.8
7.5°	263.3	262.5	259.2	258.4	256.8	252.8	244.8	235.2	230.3	228.7	218.3
10°	313.8	309.8	311.4	305.8	302.6	296.2	288.9	281.7	272.1	272.1	257.6
12.5°	364.4	373.2	370.8	362.8	356.4	345.9	337.1	334.7	323.4	325.1	311.4
15°	447.1	446.2	439.0	433.4	420.6	407.7	399.7	394.1	390.9	388.5	373.2
17.5°	534.5	529.7	524.1	507.2	488.8	477.6	470.3	464.7	468.7	467.9	449.5
20°	635.7	630.0	622.0	591.5	567.4	549.8	545.8	552.2	554.6	561.0	542.6
22.5°	748.0	745.6	726.4	691.8	650.9	627.6	623.6	638.9	657.3	660.5	647.7
25°	882.9	879.7	853.2	803.4	749.6	714.3	714.3	738.4	768.9	776.1	769.7
27.5°	1027.3	1019.3	984.8	923.8	850.0	804.2	798.6	841.9	884.5	905.3	897.3
30°	1193.5	1191.9	1134.9	1060.2	972.0	898.9	896.5	959.9	1020.1	1029.7	1031.3
32.5°	1364.4	1378.1	1312.3	1200.7	1094.0	1008.1	1004.1	1075.5	1159.0	1175.8	1175.8
35°	1561.9	1562.7	1481.6	1370.8	1224.8	1126.9	1115.6	1200.7	1293.8	1317.1	1329.9
37.5°	1760.9	1756.1	1683.1	1530.6	1366.8	1248.9	1238.4	1338.7	1444.7	1482.4	1480.0
40°	1956.8	1970.4	1878.1	1709.5	1512.1	1392.5	1366.8	1484.8	1606.8	1649.4	1632.5
42.5°	2167.8	2164.6	2082.0	1894.1	1674.2	1531.4	1516.1	1638.1	1773.8	1821.9	1806.7
45°	2352.4	2350.8	2260.9	2073.1	1829.1	1691.9	1671.0	1800.2	1970.4	2015.3	1984.0
47.5°	2522.6	2518.6	2425.5	2234.5	1964.8	1845.2	1846.8	1979.2	2159.8	2233.7	2185.5
50°	2654.2	2640.6	2582.0	2375.7	2111.7	2006.5	2037.0	2192.7	2385.3	2452.0	2399.8
52.5°	2724.8	2704.0	2658.2	2474.4	2250.5	2166.2	2224.8	2409.4	2599.6	2663.0	2606.1
55°	2691.1	2691.1	2665.5	2534.6	2349.2	2312.3	2430.3	2616.5	2814.7	2884.6	2834.0
57.5°	2555.5	2576.4	2588.4	2518.6	2417.4	2456.8	2643.8	2852.5	3042.7	3119.7	3053.1
60°	2317.9	2323.5	2411.8	2431.9	2444.7	2579.6	2865.3	3114.1	3285.1	3346.1	3270.6
62.5°	1981.6	2008.1	2115.7	2264.1	2404.6	2681.5	3098.1	3377.4	3531.5	3572.4	3462.4
65°	1607.6	1601.2	1800.2	2022.6	2293.8	2711.2	3285.9	3632.6	3752.2	3806.8	3615.7
67.5°	1219.2	1215.1	1398.9	1724.8	2106.0	2679.9	3438.4	3849.3	3980.9	3982.5	3712.0
70°	864.4	870.8	1033.8	1379.7	1863.6	2537.0	3456.8	4014.6	4062.8	4043.5	3653.5
72.5°	586.7	591.5	746.4	1057.0	1542.6	2305.9	3302.7	3997.0	3985.7	3932.0	3412.7
75°	378.0	410.1	524.9	803.4	1248.9	1972.8	3003.3	3744.2	3685.6	3596.5	2994.5
77.5°	260.8	276.9	365.2	585.1	976.0	1629.3	2578.8	3236.1	3175.1	3066.0	2414.2
80°	176.6	183.8	251.2	437.4	768.1	1281.0	2101.2	2605.3	2500.1	2387.8	1810.7
82.5°	118.0	131.6	180.6	313.8	581.1	988.8	1598.0	1989.7	1822.7	1725.6	1272.1
85°	78.7	85.9	128.4	227.9	420.6	719.9	1150.1	1351.6	1204.7	1118.8	813.0
87.5°	53.0	59.4	91.5	162.9	311.4	523.3	770.5	873.2	755.3	701.5	492.0
90°	35.3	39.3	67.4	117.2	219.9	365.2	520.1	539.4	463.1	430.2	301.0
92.5°	24.9	28.9	50.6	86.7	154.1	253.6	333.9	326.7	272.9	256.8	194.2
95°	19.3	22.5	39.3	66.6	112.4	174.2	217.5	199.0	172.6	166.9	134.0
97.5°	16.9	18.5	32.9	53.8	85.1	123.6	141.3	134.8	116.4	113.2	97.9
100°	15.2	16.9	28.9	46.6	68.2	90.7	101.1	93.9	84.3	81.9	72.2
102.5°	14.4	15.2	25.7	40.1	56.2	71.4	77.9	69.8	62.6	61.8	55.4
105°	13.6	14.4	22.5	34.5	47.4	58.6	61.0	54.6	49.0	46.6	41.7
107.5°	12.8	12.8	20.1	30.5	40.9	49.0	50.6	44.1	37.7	36.1	32.9
110°	12.0	12.8	18.5	27.3	36.1	42.5	42.5	36.1	29.7	28.1	26.5



REPORT NUMBER: P413993

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.0	12.0	16.9	24.1	32.1	36.9	36.1	29.7	24.1	21.7	21.7
115°	11.2	12.0	16.1	22.5	28.9	32.1	30.5	24.9	19.3	17.7	18.5
117.5°	11.2	12.0	14.4	20.1	25.7	28.1	26.5	20.9	16.1	15.2	16.9
120°	11.2	12.0	14.4	18.5	22.5	24.9	23.3	17.7	14.4	13.6	15.2
122.5°	12.0	12.0	13.6	16.9	20.9	22.5	20.1	15.2	12.8	12.0	13.6
125°	12.0	12.0	13.6	16.1	19.3	20.1	17.7	13.6	11.2	11.2	12.8
127.5°	12.0	12.0	13.6	15.2	17.7	17.7	16.1	12.0	10.4	10.4	12.0
130°	12.0	12.0	12.8	14.4	16.1	16.1	13.6	10.4	9.6	9.6	11.2
132.5°	12.8	12.8	12.8	13.6	14.4	14.4	12.0	9.6	8.8	8.8	11.2
135°	12.0	12.0	12.0	12.8	12.8	12.8	10.4	8.8	8.0	8.8	10.4
137.5°	11.2	11.2	12.0	12.0	12.0	11.2	8.8	7.2	7.2	8.0	9.6
140°	11.2	10.4	11.2	11.2	10.4	9.6	8.0	6.4	6.4	7.2	8.0
142.5°	9.6	9.6	9.6	9.6	8.8	8.0	6.4	5.6	6.4	6.4	7.2
145°	8.8	8.8	8.8	8.0	8.0	6.4	4.8	4.8	4.8	5.6	6.4
147.5°	7.2	7.2	7.2	7.2	6.4	5.6	3.2	4.0	4.0	4.0	4.8
150°	5.6	5.6	6.4	5.6	4.8	4.0	2.4	3.2	4.0	4.0	4.0
152.5°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	3.2	3.2	3.2	4.0
155°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	1.6	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: P413993

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0
2.5°	173.4	171.8	168.5	165.3	162.9	160.5	158.9	156.5	154.9	154.9	154.9
5°	187.0	185.4	177.4	169.3	162.1	155.7	150.9	145.3	142.9	140.5	141.3
7.5°	214.3	208.7	195.8	182.2	170.2	157.3	147.7	139.7	134.8	131.6	131.6
10°	251.2	242.4	223.1	202.3	182.2	163.7	149.3	138.0	130.0	126.8	126.8
12.5°	298.6	289.7	260.0	228.7	198.2	171.8	153.3	138.9	130.0	126.0	126.0
15°	362.0	346.7	306.6	261.6	217.5	181.4	157.3	145.3	139.7	137.2	137.2
17.5°	437.4	414.9	362.8	295.4	236.8	191.0	167.7	156.5	151.7	150.9	150.9
20°	525.7	497.6	419.0	329.1	252.0	203.1	176.6	166.9	165.3	166.1	166.1
22.5°	626.0	585.1	476.7	359.6	266.5	210.3	183.0	175.0	176.6	180.6	179.8
25°	732.0	688.6	540.2	386.9	276.1	213.5	187.0	182.2	188.6	193.4	193.4
27.5°	855.6	788.2	597.9	406.1	278.5	211.1	187.8	185.4	194.2	201.5	203.1
30°	981.6	894.9	647.7	418.2	273.7	205.5	184.6	186.2	196.6	206.3	207.1
32.5°	1109.2	996.0	688.6	420.6	265.7	198.2	181.4	184.6	195.8	206.3	207.9
35°	1236.0	1090.7	715.9	411.7	252.8	191.0	175.8	181.4	192.6	204.7	206.3
37.5°	1360.4	1180.6	732.8	397.3	240.0	184.6	171.8	177.4	188.6	202.3	203.9
40°	1496.1	1276.9	742.4	380.4	227.1	179.0	169.3	175.0	186.2	199.0	201.5
42.5°	1620.5	1365.2	743.2	359.6	217.5	176.6	167.7	172.6	183.0	196.6	199.0
45°	1782.6	1455.9	743.2	341.9	211.1	175.8	167.7	171.8	181.4	195.8	199.0
47.5°	1935.9	1560.3	744.8	326.7	207.9	177.4	169.3	171.0	179.0	195.8	199.0
50°	2114.1	1660.6	757.7	315.4	207.1	180.6	171.8	170.2	176.6	194.2	198.2
52.5°	2291.4	1793.0	773.7	307.4	208.7	183.8	173.4	170.2	174.2	190.2	195.0
55°	2485.7	1919.0	791.4	308.2	211.9	187.0	175.8	169.3	171.0	183.8	188.6
57.5°	2679.9	2066.7	829.9	313.0	215.9	191.0	178.2	169.3	166.9	176.6	180.6
60°	2850.1	2196.7	870.0	323.4	221.5	195.0	179.8	168.5	163.7	169.3	172.6
62.5°	3029.8	2338.8	902.1	332.3	227.9	198.2	179.8	167.7	161.3	165.3	166.9
65°	3147.0	2423.1	919.0	343.5	234.4	200.7	180.6	166.1	160.5	162.9	164.5
67.5°	3207.2	2436.7	907.7	347.5	240.0	202.3	179.8	164.5	161.3	162.9	164.5
70°	3135.8	2346.0	854.0	345.1	241.6	202.3	178.2	162.9	161.3	163.7	164.5
72.5°	2877.3	2127.7	774.5	333.1	239.2	199.0	175.8	160.5	160.5	164.5	164.5
75°	2477.6	1813.9	670.2	314.6	232.8	194.2	171.0	156.5	158.1	163.7	163.7
77.5°	1984.0	1435.1	552.2	288.1	220.7	186.2	164.5	150.9	154.9	161.3	160.5
80°	1476.8	1069.1	444.6	258.4	204.7	175.0	155.7	144.5	150.1	155.7	154.1
82.5°	984.0	750.4	351.5	227.1	187.8	163.7	146.1	135.6	142.9	148.5	146.1
85°	638.9	500.0	272.1	195.8	170.2	150.9	134.0	126.0	133.2	138.0	135.6
87.5°	398.1	335.5	207.1	166.9	151.7	136.4	123.6	114.8	122.0	126.8	123.6
90°	263.3	224.7	162.9	144.5	134.8	122.8	110.8	104.3	111.6	113.2	110.8
92.5°	173.4	158.9	132.4	123.6	118.8	109.2	100.3	94.7	100.3	101.1	99.5
95°	124.4	120.4	109.2	107.5	105.1	97.1	89.9	85.1	88.3	89.1	85.9
97.5°	94.7	93.9	93.1	93.1	91.5	85.9	79.5	75.4	77.1	76.2	73.8
100°	73.8	75.4	77.9	79.5	78.7	74.6	69.8	66.6	67.4	64.2	61.8
102.5°	57.8	61.0	65.0	67.4	67.4	64.2	61.8	58.6	56.2	52.2	51.4
105°	45.7	48.2	53.8	57.8	57.8	56.2	53.8	49.8	47.4	42.5	42.5
107.5°	36.1	39.3	45.7	49.0	49.8	48.2	46.6	43.3	39.3	34.5	34.5
110°	28.9	31.3	38.5	41.7	42.5	41.7	40.1	36.1	32.1	28.9	28.9



REPORT NUMBER: P413993

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.1	26.5	32.1	35.3	36.9	36.1	34.5	30.5	26.5	24.1	24.1
115°	20.9	23.3	27.3	30.5	31.3	31.3	28.9	26.5	21.7	20.9	20.9
117.5°	18.5	20.1	24.1	26.5	28.1	27.3	24.9	22.5	19.3	18.5	18.5
120°	16.9	18.5	21.7	24.1	24.1	23.3	21.7	19.3	16.9	16.1	16.9
122.5°	15.2	16.9	19.3	20.9	20.9	20.9	19.3	16.9	14.4	14.4	15.2
125°	14.4	15.2	17.7	18.5	19.3	18.5	16.9	14.4	12.8	13.6	13.6
127.5°	13.6	14.4	16.1	16.9	16.9	16.1	14.4	12.8	11.2	12.0	12.8
130°	12.8	13.6	14.4	15.2	15.2	14.4	12.8	11.2	10.4	11.2	11.2
132.5°	11.2	12.0	12.8	13.6	12.8	12.8	11.2	9.6	9.6	10.4	10.4
135°	10.4	11.2	11.2	12.0	11.2	11.2	9.6	8.8	8.8	9.6	9.6
137.5°	9.6	10.4	10.4	10.4	9.6	9.6	8.8	8.0	8.0	8.0	8.8
140°	8.8	8.8	8.8	8.8	8.0	8.0	7.2	6.4	7.2	7.2	7.2
142.5°	8.0	8.0	8.0	7.2	7.2	6.4	5.6	5.6	6.4	6.4	6.4
145°	6.4	6.4	6.4	5.6	5.6	4.8	4.8	4.8	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	4.8	4.0	4.0	4.0	4.0	4.8	4.8	4.8
150°	4.8	4.8	4.8	4.0	3.2	3.2	2.4	3.2	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	3.2	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	2.4	2.4	2.4	2.4
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	1.6	2.4	1.6	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	0.8	0.8	0.8
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	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)