

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: P415727

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-830-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4848 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 54  
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

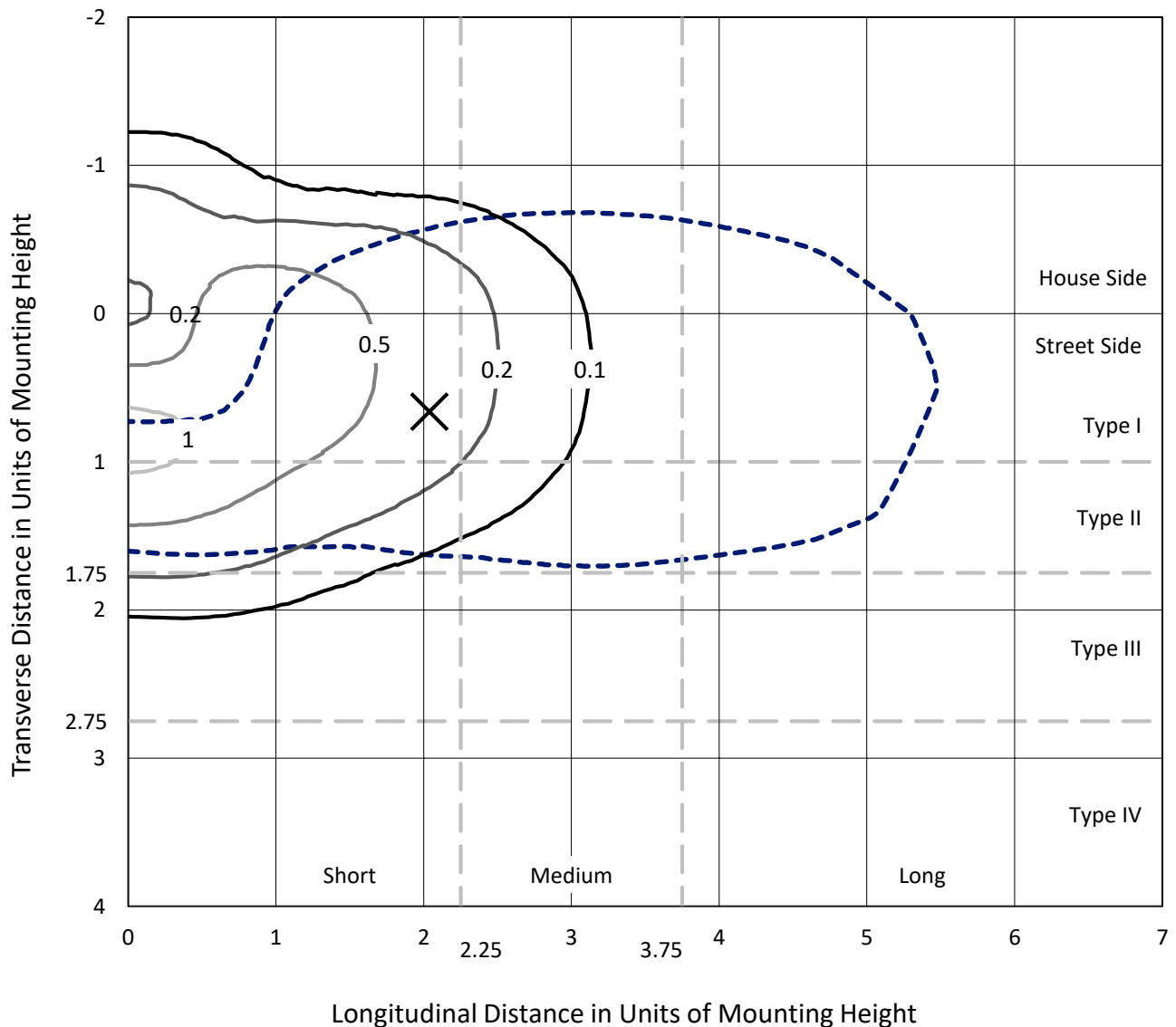


REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

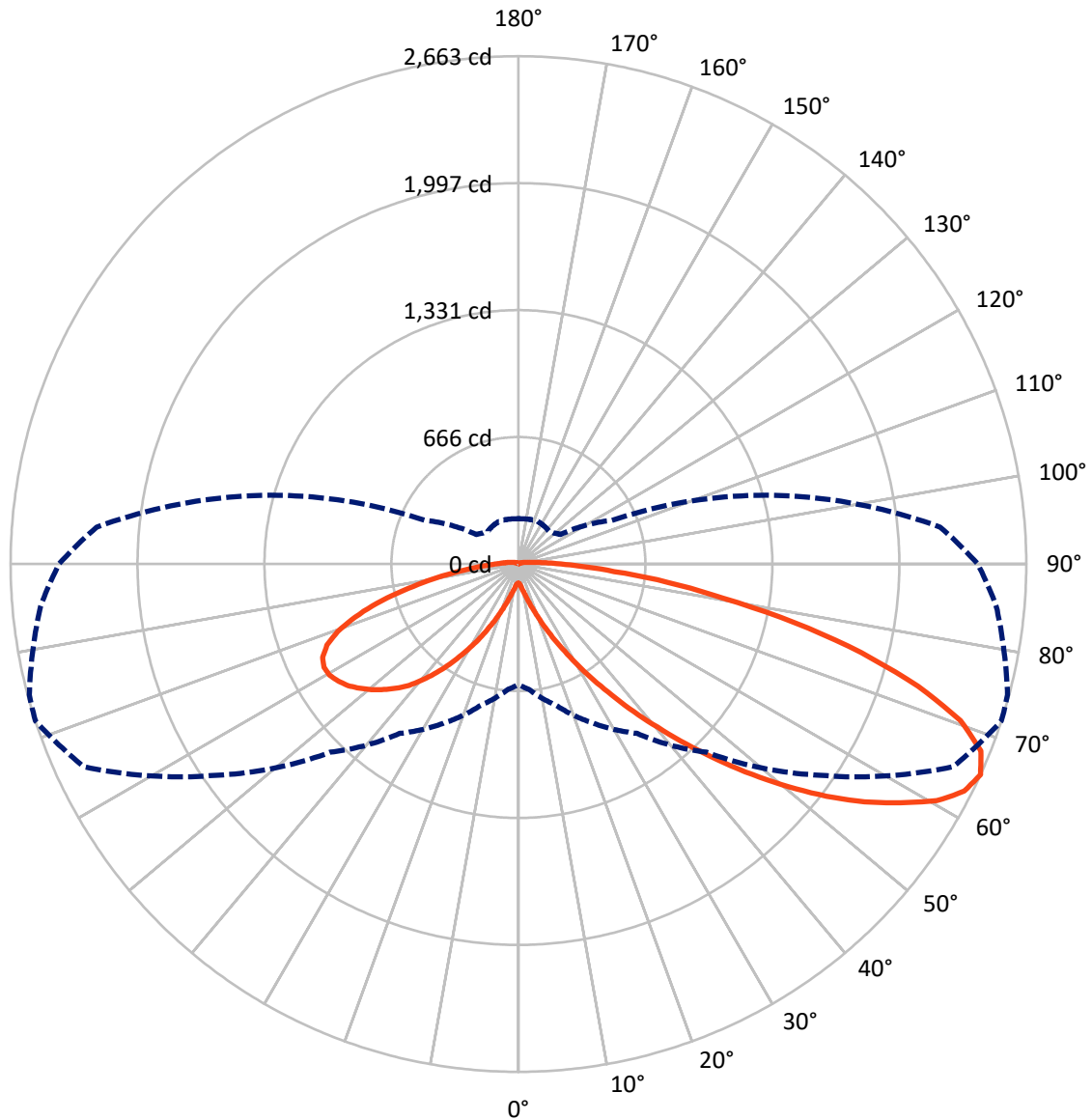


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

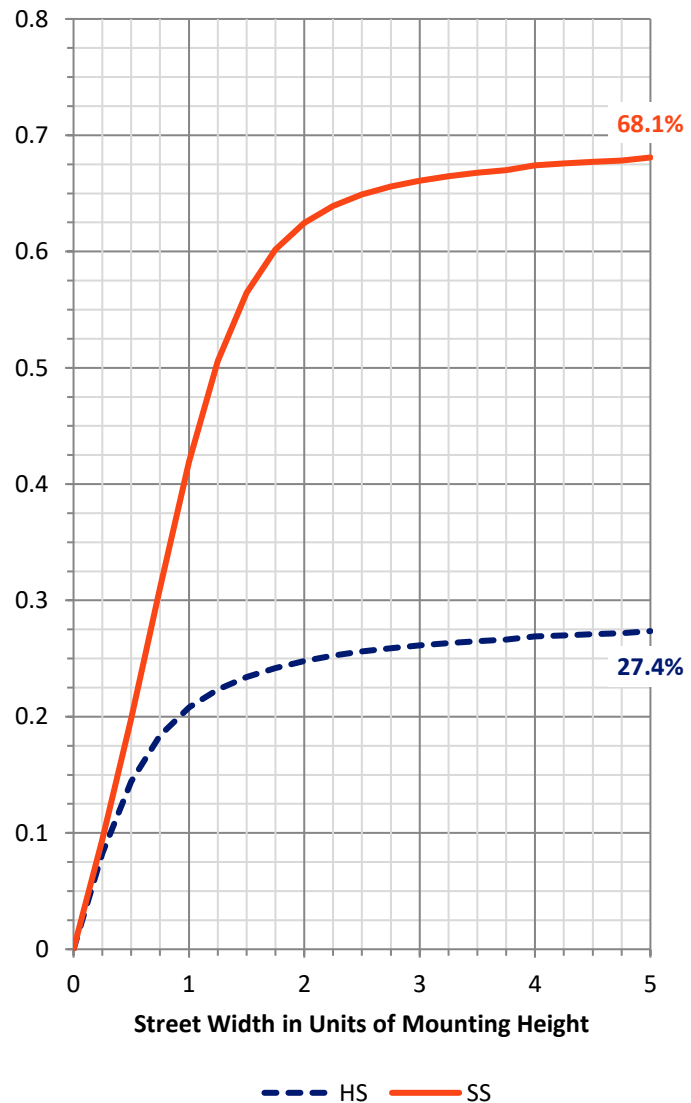
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1366.8	68.8	1435.6
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	3345.3	67.1	3412.3
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	4712.1	135.8	4848.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.5	0.2
10°-20°	58.6	1.2
20°-30°	185.8	3.8
30°-40°	445.2	9.2
40°-50°	821.9	17.0
50°-60°	1119.9	23.1
60°-70°	1091.9	22.5
70°-80°	713.1	14.7
80°-90°	264.2	5.4
90°-100°	73.4	1.5
100°-110°	30.8	0.6
110°-120°	15.5	0.3
120°-130°	8.8	0.2
130°-140°	4.9	0.1
140°-150°	2.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4712.1	97.2
0°-180°	4848.0	100.0



REPORT NUMBER: P415727

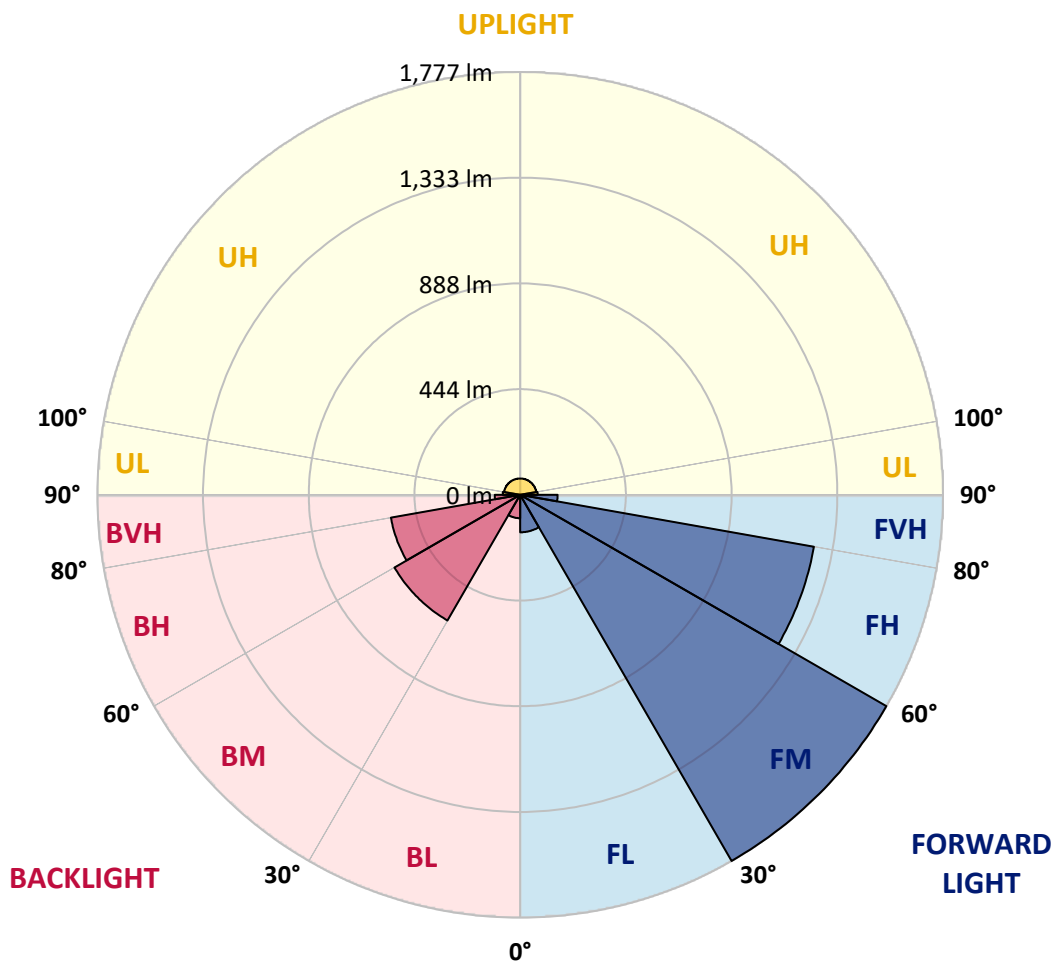
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.5	3.2			
FM (30°-60°)	1777.0	36.7			
FH (60°-80°)	1253.5	25.9			G1/1800
FVH (80°-90°)	157.3	3.2			G2/225
BL (0°-30°)	98.4	2.0	B0/110		
BM (30°-60°)	610.0	12.6	B1/1000		
BH (60°-80°)	551.5	11.4	B2/1000		G2/1000
BVH (80°-90°)	106.9	2.2			G2/225
UL (90°-100°)	73.4	1.5		U3/500	
UH (100°-180°)	68.8	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0
2.5°	111.7	111.1	110.0	109.4	109.4	108.3	107.2	105.5	104.4	103.8	102.7
5°	126.2	125.1	124.0	122.9	121.8	120.1	117.3	115.6	113.3	112.8	110.5
7.5°	147.0	145.9	142.5	141.4	139.7	137.5	134.1	130.7	128.5	126.8	123.4
10°	174.5	173.4	171.1	168.3	165.0	160.5	154.9	151.5	145.9	147.0	142.0
12.5°	212.1	209.3	206.5	202.0	195.3	190.2	182.4	179.0	172.8	172.8	166.6
15°	257.5	257.0	251.4	241.8	235.7	225.0	218.3	211.0	207.0	207.0	202.0
17.5°	316.5	312.5	308.0	295.1	281.1	268.2	259.2	254.2	249.7	248.6	241.8
20°	389.4	383.8	377.1	354.1	337.2	321.5	308.6	304.7	301.3	300.8	295.1
22.5°	482.0	470.2	457.9	435.4	408.5	381.0	372.0	363.0	363.6	364.7	351.8
25°	584.7	581.3	559.4	527.4	492.1	461.8	437.1	433.7	437.1	434.9	429.8
27.5°	716.5	705.3	677.8	636.9	580.7	545.4	519.0	516.8	517.3	520.1	511.7
30°	870.3	864.7	829.9	761.4	689.0	641.9	613.3	609.4	616.1	616.7	603.8
32.5°	1051.5	1040.3	987.0	910.7	811.9	751.9	719.3	718.2	725.5	727.2	717.1
35°	1235.0	1229.4	1176.6	1067.2	958.9	868.0	834.9	837.2	842.2	852.3	840.5
37.5°	1446.5	1431.4	1363.5	1247.9	1111.0	1002.1	966.8	974.6	982.5	982.5	966.2
40°	1646.3	1640.7	1569.4	1424.1	1260.3	1159.3	1120.5	1125.0	1124.5	1125.0	1103.7
42.5°	1831.5	1812.4	1749.5	1595.2	1426.3	1323.7	1277.1	1284.4	1291.1	1296.2	1242.3
45°	1956.6	1940.3	1884.8	1732.7	1583.5	1486.4	1456.1	1456.1	1463.9	1461.7	1408.4
47.5°	2000.9	1998.7	1957.2	1841.6	1704.7	1629.5	1631.1	1637.3	1649.1	1638.4	1562.1
50°	1980.2	1971.2	1963.9	1899.4	1805.1	1769.2	1802.8	1834.3	1835.4	1816.3	1719.2
52.5°	1850.0	1851.1	1888.1	1876.4	1833.1	1869.6	1972.3	2027.9	2022.8	2004.3	1887.6
55°	1651.9	1660.9	1725.4	1774.8	1801.2	1902.2	2098.0	2213.0	2201.8	2176.0	2057.6
57.5°	1388.2	1417.4	1503.8	1611.5	1705.8	1871.9	2166.4	2373.5	2361.7	2361.7	2227.0
60°	1107.6	1131.2	1258.6	1389.9	1538.6	1769.7	2173.2	2491.3	2519.9	2502.0	2347.1
62.5°	859.1	869.2	1001.0	1166.5	1325.9	1598.0	2095.7	2547.4	2623.2	2608.0	2454.9
65°	632.4	661.0	767.6	919.1	1084.1	1395.5	1930.2	2514.3	2662.5	2654.6	2514.3
67.5°	470.2	483.1	572.3	712.6	875.9	1143.5	1688.9	2369.6	2615.3	2622.1	2505.4
70°	352.4	355.7	425.3	540.9	680.1	902.3	1407.8	2138.4	2458.8	2489.1	2425.1
72.5°	266.5	272.7	330.5	421.4	524.6	694.7	1112.7	1824.2	2191.7	2266.9	2242.8
75°	208.7	216.0	255.9	326.0	405.7	525.8	842.2	1452.7	1856.7	1953.8	1980.7
77.5°	165.0	172.8	206.5	260.4	316.5	405.7	618.9	1086.9	1483.0	1580.1	1658.6
80°	129.6	135.2	165.0	204.8	249.1	299.6	433.7	790.0	1089.1	1210.3	1282.1
82.5°	98.8	104.9	127.9	161.6	195.3	228.9	309.7	537.5	790.0	845.0	967.4
85°	71.8	77.4	96.5	124.0	150.4	177.3	226.7	358.5	503.3	569.0	630.7
87.5°	52.7	55.0	71.8	92.0	115.6	134.1	163.3	228.9	319.8	352.4	404.0
90°	37.0	39.3	52.7	67.9	87.5	104.9	120.1	151.5	199.2	228.4	237.9
92.5°	27.5	29.2	39.3	51.1	67.3	81.4	90.9	107.2	129.6	142.0	149.8
95°	20.8	22.4	30.9	40.4	52.2	64.0	71.3	77.4	90.3	93.7	100.4
97.5°	16.8	18.0	25.2	33.1	42.1	52.7	56.7	60.0	64.5	67.9	70.7
100°	14.6	15.1	21.3	28.1	35.9	42.6	46.0	47.7	50.5	51.6	52.7
102.5°	12.9	12.9	18.5	24.1	30.9	35.9	38.7	38.7	39.3	39.8	39.3
105°	11.2	11.8	16.3	21.3	26.4	30.9	33.1	32.0	31.4	30.9	29.2
107.5°	10.7	10.7	14.6	19.1	23.6	26.9	28.6	26.4	25.2	24.1	22.4
110°	9.5	10.1	12.9	16.8	20.8	23.6	24.7	22.4	20.2	19.1	17.4



REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.0	9.5	11.8	15.1	18.5	21.3	21.3	19.1	16.3	15.1	14.0
115°	9.0	9.0	10.7	13.5	16.8	19.1	19.1	16.3	13.5	12.3	11.8
117.5°	9.0	9.0	10.1	12.3	15.1	16.8	16.8	14.0	11.2	10.1	10.1
120°	8.4	8.4	9.5	11.2	14.0	15.1	14.6	12.3	9.5	9.0	9.0
122.5°	8.4	8.4	9.0	10.7	12.9	14.0	13.5	10.7	8.4	7.3	7.9
125°	9.0	8.4	9.0	10.1	11.8	12.3	11.8	9.0	7.3	6.7	7.3
127.5°	9.0	9.0	8.4	9.5	10.7	11.2	10.7	7.9	6.2	6.2	6.7
130°	9.0	9.0	8.4	9.0	9.5	10.1	9.0	6.7	5.6	5.6	6.2
132.5°	9.0	9.0	8.4	8.4	9.0	9.0	7.9	5.6	5.0	5.0	5.6
135°	9.0	9.0	7.9	7.9	7.9	7.9	6.7	5.0	4.5	4.5	5.0
137.5°	8.4	8.4	7.9	7.3	7.3	6.7	5.6	3.9	3.4	3.9	4.5
140°	7.9	7.9	7.3	6.2	6.2	5.6	4.5	3.4	2.8	3.4	3.4
142.5°	7.3	7.3	6.7	5.6	5.0	4.5	3.9	2.2	2.2	2.2	2.8
145°	6.7	6.7	6.2	4.5	3.9	3.4	2.8	1.7	1.7	1.7	2.2
147.5°	5.6	5.6	5.0	3.9	2.8	2.8	1.7	1.1	1.7	1.7	1.7
150°	4.5	4.5	3.9	2.8	2.2	1.7	0.6	1.1	1.1	1.1	1.7
152.5°	3.9	3.9	2.8	2.2	1.1	0.6	0.6	0.6	1.1	1.1	1.1
155°	2.8	2.8	2.2	1.1	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	1.7	1.7	1.1	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	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: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0
2.5°	101.6	101.6	101.0	100.4	99.9	99.3	98.2	97.6	97.6	97.1	97.1
5°	109.4	108.9	107.2	105.5	103.2	102.1	100.4	99.3	98.8	98.2	98.2
7.5°	121.8	120.6	117.3	114.5	111.7	109.4	106.6	104.9	104.4	102.7	103.2
10°	139.2	137.5	133.5	128.5	123.4	120.1	116.1	113.9	112.8	111.7	110.5
12.5°	164.4	161.0	154.3	147.6	140.3	133.5	129.6	127.9	129.1	128.5	129.1
15°	199.2	193.0	182.9	172.8	159.9	151.5	150.4	149.8	149.8	150.4	151.5
17.5°	238.5	231.7	218.8	200.3	185.2	176.7	171.7	171.1	173.9	174.5	173.9
20°	290.1	283.4	263.2	237.9	216.0	202.6	195.8	195.8	199.8	200.9	203.1
22.5°	345.6	341.7	314.2	279.4	250.3	228.4	218.8	220.0	225.6	227.2	228.4
25°	423.1	407.4	373.7	326.0	283.9	254.7	241.8	242.4	248.6	253.1	254.7
27.5°	508.4	490.4	441.0	378.7	317.6	276.6	262.0	262.6	269.9	275.5	276.6
30°	599.8	581.9	517.3	430.9	349.0	296.3	276.6	277.2	285.6	291.8	292.9
32.5°	697.5	682.9	592.5	487.0	376.5	309.7	286.2	286.7	294.0	299.6	300.8
35°	820.9	787.8	681.7	537.0	399.5	318.1	290.7	290.1	297.4	303.0	304.1
37.5°	942.7	907.3	766.5	583.6	413.0	320.4	289.5	289.5	295.1	299.6	300.2
40°	1075.1	1016.2	855.7	620.0	418.0	317.0	286.2	285.6	290.1	292.3	292.9
42.5°	1217.6	1145.2	943.2	649.2	415.8	309.7	280.0	280.6	282.2	282.2	281.7
45°	1346.1	1272.6	1018.4	668.3	407.9	300.2	272.7	273.3	273.8	269.3	269.3
47.5°	1497.0	1407.8	1089.1	672.8	392.2	290.7	267.1	268.2	265.4	259.2	258.1
50°	1640.1	1540.8	1160.4	671.1	375.9	280.6	261.5	262.6	257.5	249.1	247.4
52.5°	1799.5	1672.1	1227.7	662.7	356.3	271.6	257.5	258.7	253.1	243.0	241.3
55°	1956.6	1811.3	1289.4	648.1	339.5	262.0	253.6	256.4	249.1	239.0	238.5
57.5°	2106.4	1949.3	1340.5	626.8	321.5	255.3	250.8	254.2	247.4	237.3	236.8
60°	2240.0	2066.6	1381.5	606.0	301.9	248.6	248.0	252.5	246.3	237.9	237.3
62.5°	2333.7	2172.1	1400.0	577.9	286.2	241.3	244.6	249.1	244.6	237.9	237.9
65°	2408.3	2219.2	1392.7	540.9	269.3	233.4	240.2	244.6	241.8	237.3	237.9
67.5°	2394.3	2218.1	1345.0	496.6	253.6	225.0	232.3	238.5	236.2	234.5	234.0
70°	2307.8	2113.1	1253.5	448.3	237.3	214.3	222.8	228.9	228.4	227.8	227.8
72.5°	2130.0	1931.3	1116.6	392.8	220.5	203.1	210.4	216.0	217.1	216.6	214.9
75°	1897.7	1681.1	957.8	340.6	203.1	189.7	197.5	200.9	202.6	201.4	201.4
77.5°	1557.1	1401.7	761.4	287.8	184.6	174.5	180.1	182.9	185.2	182.4	180.7
80°	1237.2	1066.1	585.8	235.1	164.4	157.7	160.5	161.6	163.8	161.0	157.7
82.5°	868.6	759.7	424.8	191.9	144.2	138.6	140.3	139.7	140.8	136.9	132.4
85°	580.2	510.6	292.3	154.3	123.4	118.4	118.4	116.7	115.6	111.7	108.3
87.5°	364.2	323.2	200.9	121.8	103.8	99.9	97.6	94.3	93.1	90.3	86.4
90°	224.4	206.5	140.3	97.6	86.4	83.0	80.8	75.7	75.2	70.7	67.9
92.5°	147.0	134.7	103.8	79.1	72.4	69.0	66.2	61.7	61.2	57.8	56.1
95°	97.1	94.3	79.1	66.2	61.2	58.4	55.5	51.6	50.5	47.1	44.9
97.5°	71.3	71.3	65.1	56.1	52.2	49.4	47.7	44.3	42.1	38.7	37.6
100°	53.9	54.4	52.2	48.3	44.9	42.1	40.4	37.6	35.9	32.5	32.0
102.5°	41.5	42.6	43.2	41.0	38.7	36.5	34.8	32.5	30.3	26.9	26.4
105°	32.0	33.1	35.3	34.8	33.7	32.0	30.3	28.1	25.2	22.4	22.4
107.5°	24.7	25.8	29.2	29.7	29.2	27.5	26.4	24.1	21.9	19.1	19.1
110°	19.1	20.8	24.1	25.2	25.2	24.1	23.0	20.8	18.0	16.3	16.3



REPORT NUMBER: P415727

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.7	17.4	20.2	21.9	21.9	21.3	19.6	17.4	15.1	14.0	14.0
115°	12.9	14.6	17.4	19.1	19.1	18.5	17.4	15.1	12.9	12.3	12.3
117.5°	11.2	12.3	14.6	16.3	16.8	16.3	15.1	12.9	11.2	11.2	11.2
120°	10.1	11.2	12.9	14.0	14.6	14.0	12.9	11.2	9.5	10.1	10.1
122.5°	9.0	9.5	11.2	12.9	12.9	12.9	11.8	9.5	8.4	9.0	9.0
125°	7.9	9.0	10.1	11.2	11.8	11.2	10.1	8.4	7.3	7.9	8.4
127.5°	7.3	7.9	9.0	10.1	10.1	10.1	9.0	7.3	6.7	7.3	7.3
130°	6.7	7.3	7.9	9.0	9.0	9.0	7.9	6.2	6.2	6.7	6.7
132.5°	6.2	6.7	7.3	7.9	7.9	7.9	6.7	5.6	5.0	6.2	6.2
135°	5.6	5.6	6.2	6.7	6.7	6.7	5.6	4.5	4.5	5.6	5.6
137.5°	4.5	5.0	5.6	5.6	5.6	5.6	4.5	3.9	3.9	4.5	4.5
140°	3.9	3.9	4.5	4.5	4.5	4.5	3.9	2.8	3.4	3.9	3.9
142.5°	3.4	3.4	3.9	3.9	3.9	3.4	2.8	2.2	2.8	3.4	3.4
145°	2.2	2.8	2.8	2.8	2.8	2.2	1.7	1.7	2.2	2.8	2.8
147.5°	2.2	2.2	2.2	2.2	2.2	1.7	1.1	1.1	1.7	2.2	2.2
150°	1.7	1.7	2.2	2.2	1.7	1.1	0.6	0.6	1.1	1.7	1.7
152.5°	1.1	1.1	1.7	1.7	1.1	0.6	0.0	0.0	0.6	0.6	0.6
155°	1.1	1.1	1.1	1.1	1.1	0.6	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	1.1	1.1	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.6	0.6	0.6	0.6	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)