

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: P414039

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414039
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-PA1-100-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 7400 lumens
Efficiency: N/A
Efficacy: 77.1 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

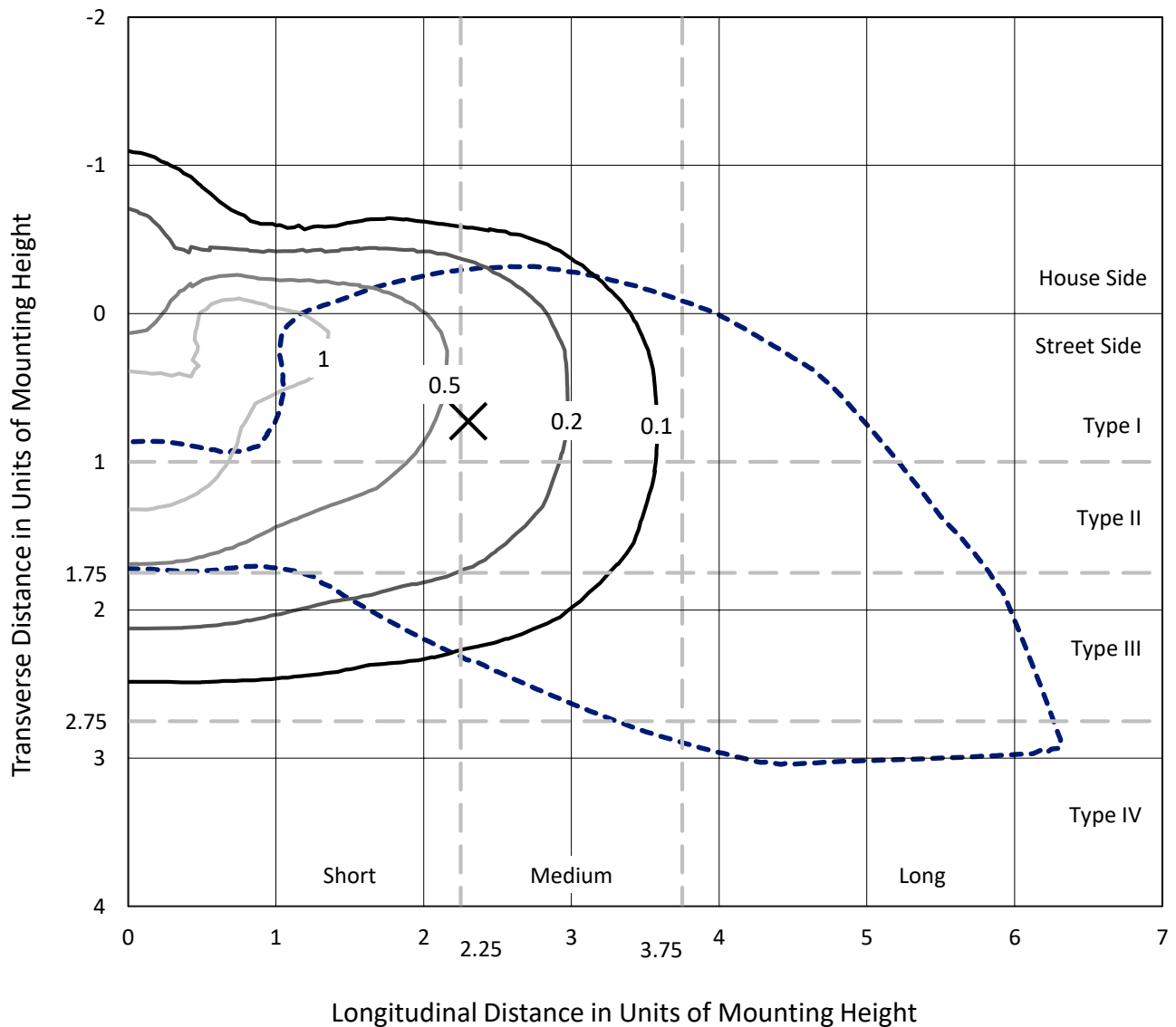
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414039
 CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

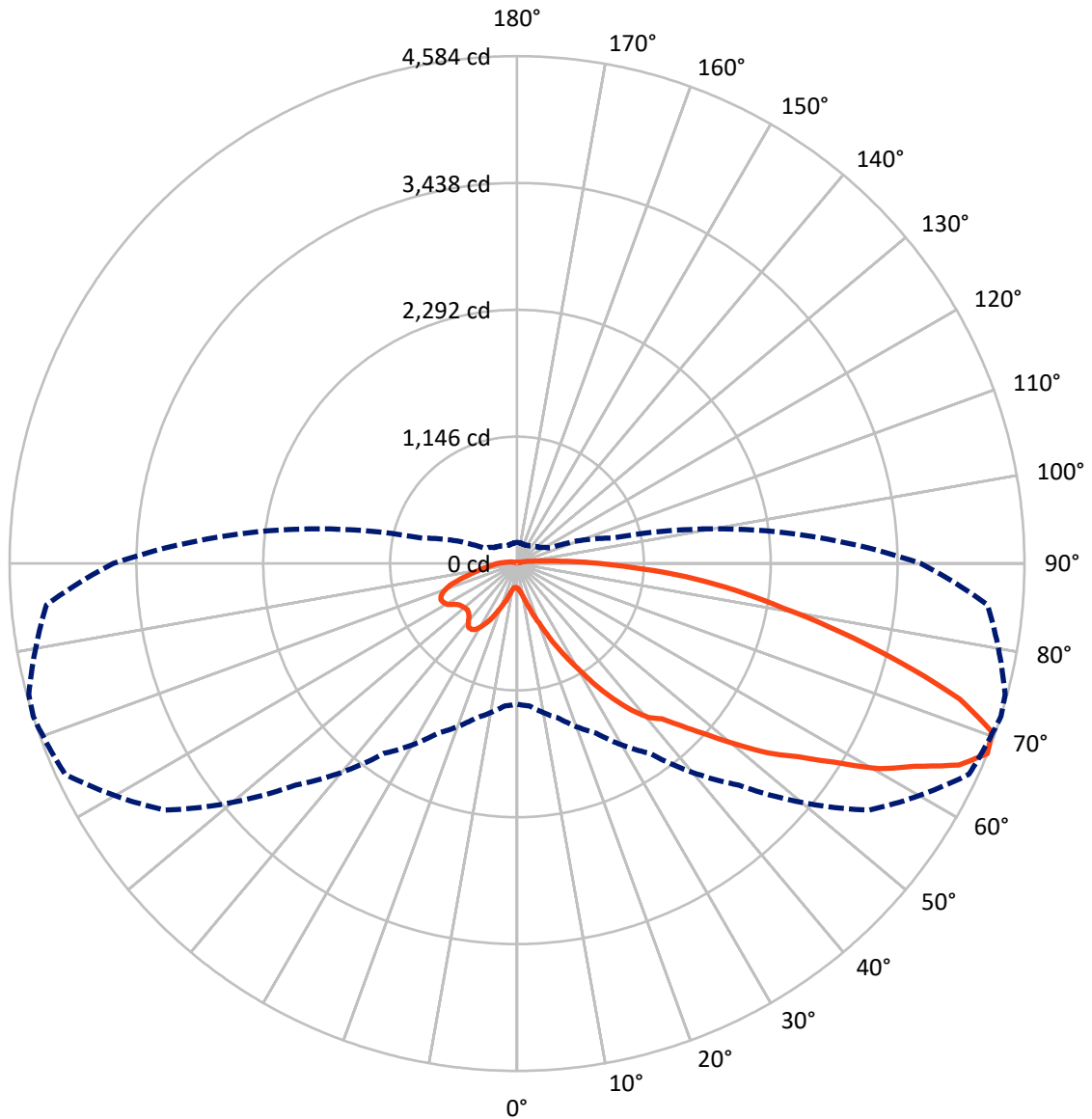


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

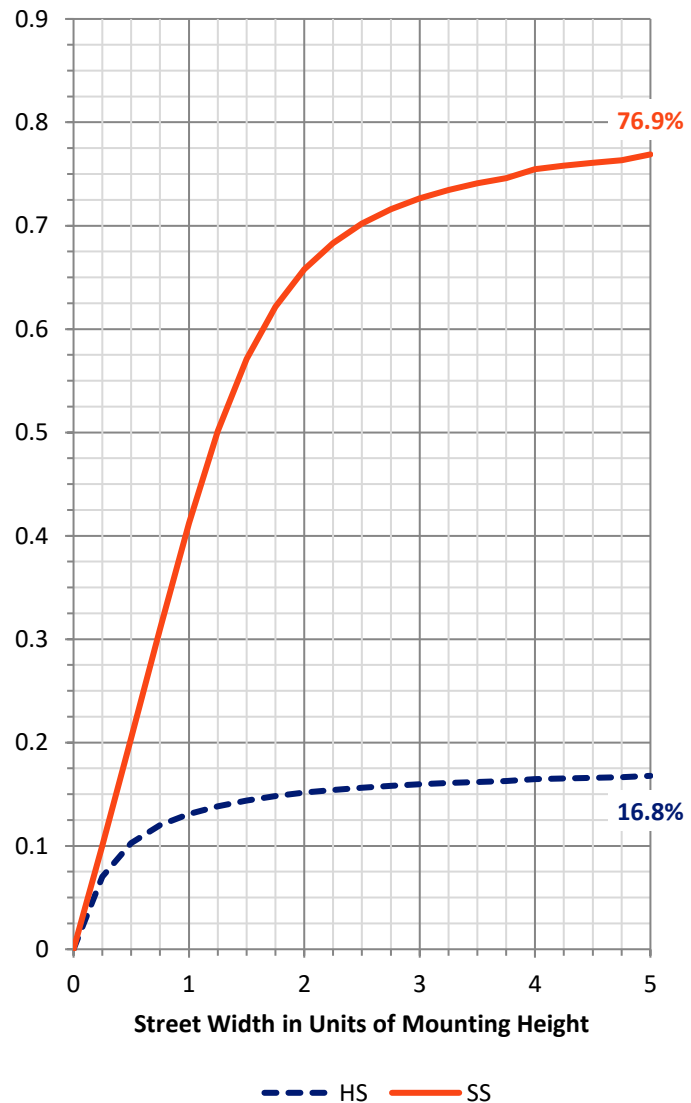
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1294.8	113.8	1408.6
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	5830.4	160.9	5991.4
	% Fixture	78.8	2.2	81.0
Total	Lumens	7125.2	274.7	7400.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.3
10°-20°	99.9	1.3
20°-30°	276.7	3.7
30°-40°	595.1	8.0
40°-50°	1007.2	13.6
50°-60°	1477.8	20.0
60°-70°	1762.4	23.8
70°-80°	1316.2	17.8
80°-90°	566.8	7.7
90°-100°	164.5	2.2
100°-110°	53.5	0.7
110°-120°	25.1	0.3
120°-130°	15.3	0.2
130°-140°	9.8	0.1
140°-150°	4.4	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7125.2	96.3
0°-180°	7400.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414039

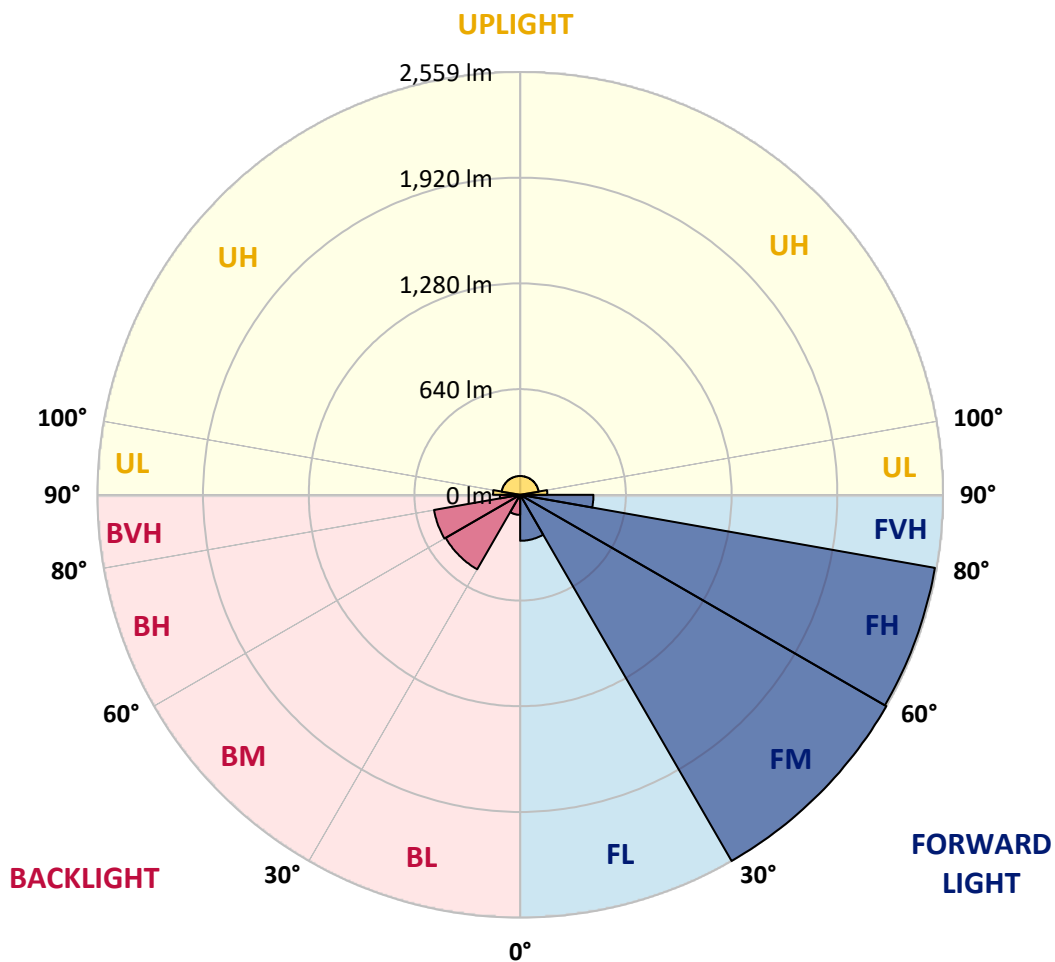
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.5	3.8			
FM	(30°-60°)	2559.4	34.6			
FH	(60°-80°)	2549.2	34.4			G2/5000
FVH	(80°-90°)	443.4	6.0			G3/500
BL	(0°-30°)	121.3	1.6	B1/500		
BM	(30°-60°)	520.7	7.0	B1/1000		
BH	(60°-80°)	529.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	123.4	1.7			G2/225
UL	(90°-100°)	164.5	2.2		U3/500	
UH	(100°-180°)	113.8	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	242.9	244.7	246.4	245.5	244.7	242.1	237.7	233.4	229.0	229.0	225.6
5°	277.6	276.8	275.9	276.8	272.4	266.4	259.4	251.6	245.5	243.8	235.1
7.5°	317.5	315.8	317.5	312.3	306.3	298.5	288.0	277.6	267.2	265.5	251.6
10°	365.3	363.5	362.7	358.3	347.0	335.8	325.4	308.9	301.1	298.5	280.2
12.5°	425.1	424.3	419.1	410.4	395.6	384.3	369.6	360.9	353.1	347.0	328.8
15°	493.7	495.4	489.3	471.1	452.9	435.5	428.6	421.7	415.6	413.0	397.4
17.5°	590.0	586.5	572.6	544.9	515.4	501.5	495.4	491.1	497.1	495.4	471.1
20°	708.8	700.2	678.5	630.8	594.3	571.8	566.5	574.4	577.8	586.5	570.0
22.5°	848.5	837.2	800.8	747.0	694.1	651.6	646.4	669.8	691.5	694.1	687.1
25°	984.7	974.3	942.2	871.9	800.8	744.4	732.3	784.3	827.7	835.5	845.0
27.5°	1124.4	1119.2	1072.4	996.0	917.9	846.8	845.0	901.4	969.1	987.3	1003.8
30°	1283.2	1295.3	1236.3	1140.0	1042.0	959.6	955.2	1038.5	1121.8	1160.9	1188.6
32.5°	1507.0	1496.6	1422.9	1315.3	1169.5	1073.2	1079.3	1176.5	1317.0	1350.0	1386.4
35°	1763.8	1767.3	1666.7	1499.2	1327.4	1208.6	1204.2	1339.6	1502.7	1530.5	1591.2
37.5°	1974.7	1992.0	1917.4	1724.8	1504.4	1350.9	1356.9	1508.8	1680.6	1736.1	1789.0
40°	2201.1	2216.7	2130.0	1942.6	1697.0	1507.9	1516.6	1664.1	1828.0	1873.2	1886.2
42.5°	2448.4	2464.0	2359.0	2136.9	1859.3	1697.0	1663.2	1776.0	1919.1	1975.5	1986.8
45°	2680.0	2706.9	2601.1	2339.9	2040.6	1867.1	1815.9	1907.0	2094.4	2146.5	2158.6
47.5°	2751.2	2783.3	2737.3	2523.9	2214.1	2013.7	1979.9	2106.5	2308.7	2385.9	2370.3
50°	2819.7	2849.2	2821.5	2632.3	2358.2	2183.8	2191.6	2339.1	2568.1	2667.0	2654.9
52.5°	2830.1	2860.5	2831.9	2699.1	2481.4	2355.6	2442.3	2616.7	2844.0	2916.0	2898.7
55°	2847.5	2867.4	2841.4	2691.3	2570.7	2538.6	2702.6	2901.3	3081.7	3167.6	3139.0
57.5°	2606.3	2614.1	2708.7	2668.8	2589.8	2741.6	2995.8	3175.4	3388.0	3516.4	3501.7
60°	2259.2	2275.7	2392.9	2484.8	2576.8	2886.5	3283.9	3555.5	3763.7	3847.8	3768.0
62.5°	1973.8	1992.0	2115.2	2233.2	2466.6	2950.7	3585.0	3895.6	4032.6	4109.0	4014.4
65°	1590.3	1604.2	1754.3	1986.0	2287.0	2925.6	3810.5	4249.5	4387.5	4417.9	4234.8
67.5°	1271.0	1291.9	1444.6	1691.8	2094.4	2830.1	3884.3	4504.6	4584.4	4566.2	4266.9
70°	945.7	956.1	1142.6	1456.7	1866.2	2621.9	3814.0	4561.9	4549.7	4526.3	4115.9
72.5°	651.6	649.8	825.1	1131.4	1628.5	2384.2	3486.9	4238.3	4181.0	4120.3	3600.6
75°	420.8	444.2	553.5	822.5	1317.0	2040.6	3063.5	3680.4	3583.2	3486.9	2966.3
77.5°	283.7	300.2	388.7	589.1	1006.4	1716.1	2636.7	3160.7	2998.4	2910.8	2394.6
80°	195.2	202.2	269.8	432.9	748.7	1361.3	2159.5	2615.8	2438.8	2334.7	1858.4
82.5°	137.1	142.3	188.3	319.3	563.9	1016.8	1723.9	2176.0	1990.3	1914.8	1443.7
85°	98.9	102.4	135.3	237.7	428.6	763.5	1311.8	1692.7	1531.3	1473.2	1031.6
87.5°	73.7	77.2	102.4	176.1	329.7	580.4	978.7	1212.0	1038.5	963.0	651.6
90°	54.7	58.1	79.0	131.9	257.7	437.3	708.8	828.6	674.1	610.8	415.6
92.5°	40.8	43.4	59.0	96.3	196.9	334.9	499.7	524.0	399.1	363.5	262.0
95°	30.4	32.1	44.2	70.3	140.6	243.8	327.1	306.3	235.1	213.4	165.7
97.5°	25.2	26.0	34.7	53.8	98.9	170.9	210.0	188.3	151.8	141.4	114.5
100°	20.8	21.7	27.8	40.8	72.0	117.1	138.8	122.3	105.8	101.5	89.4
102.5°	18.2	19.1	23.4	33.8	53.8	84.2	96.3	87.6	78.1	74.6	69.4
105°	16.5	16.5	20.8	28.6	44.2	63.3	70.3	64.2	58.1	56.4	55.5
107.5°	14.7	14.7	18.2	25.2	36.4	49.5	52.9	47.7	42.5	41.6	44.2
110°	13.9	13.9	16.5	22.6	31.2	40.8	41.6	35.6	32.1	32.1	35.6



REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.0	13.0	15.6	20.0	27.8	33.8	33.0	27.8	25.2	25.2	29.5
115°	13.0	13.0	14.7	19.1	24.3	28.6	26.9	22.6	20.8	20.8	25.2
117.5°	13.0	13.9	14.7	18.2	22.6	25.2	23.4	19.1	18.2	18.2	22.6
120°	13.9	13.9	14.7	18.2	20.8	21.7	20.0	16.5	15.6	16.5	20.8
122.5°	13.9	13.9	15.6	18.2	20.0	20.0	17.4	14.7	14.7	14.7	19.1
125°	14.7	14.7	15.6	18.2	19.1	18.2	15.6	13.9	13.9	14.7	17.4
127.5°	15.6	15.6	16.5	18.2	18.2	16.5	14.7	13.0	13.0	13.9	17.4
130°	17.4	17.4	17.4	18.2	16.5	14.7	13.0	12.1	13.0	13.9	17.4
132.5°	17.4	17.4	17.4	17.4	15.6	13.0	12.1	11.3	13.0	13.9	16.5
135°	15.6	15.6	15.6	15.6	13.9	11.3	10.4	10.4	12.1	13.0	15.6
137.5°	13.9	13.9	13.9	13.0	12.1	10.4	8.7	8.7	10.4	11.3	13.9
140°	12.1	12.1	11.3	11.3	10.4	8.7	7.8	7.8	8.7	9.5	11.3
142.5°	9.5	9.5	9.5	9.5	8.7	6.9	6.1	6.1	7.8	8.7	9.5
145°	7.8	7.8	7.8	7.8	6.9	6.1	5.2	5.2	6.1	6.9	7.8
147.5°	6.1	6.1	6.9	6.9	6.1	5.2	3.5	4.3	5.2	5.2	6.1
150°	5.2	5.2	5.2	6.1	4.3	3.5	2.6	3.5	4.3	4.3	5.2
152.5°	4.3	4.3	4.3	4.3	3.5	1.7	2.6	3.5	3.5	4.3	4.3
155°	2.6	2.6	3.5	3.5	2.6	1.7	2.6	2.6	3.5	3.5	4.3
157.5°	1.7	1.7	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6	3.5
160°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
162.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
165°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
167.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
170°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
172.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
175°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
177.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	223.0	221.2	217.8	214.3	210.8	207.4	206.5	204.8	203.9	203.0	203.9
5°	231.7	226.4	218.6	210.8	203.9	197.8	193.5	189.1	185.7	183.9	183.9
7.5°	247.3	238.6	225.6	212.6	200.4	190.0	183.1	177.0	172.7	170.9	170.1
10°	271.6	261.1	242.1	221.2	203.0	187.4	177.0	170.1	165.7	163.1	163.1
12.5°	314.1	301.9	271.6	239.5	210.0	188.3	174.4	167.4	163.1	162.2	163.1
15°	380.9	361.8	317.5	271.6	226.4	190.0	172.7	170.1	171.8	172.7	172.7
17.5°	459.0	432.9	376.5	307.1	244.7	197.8	179.6	177.9	180.5	183.1	184.8
20°	546.6	512.8	431.2	341.0	256.8	209.1	186.5	183.1	189.1	194.3	193.5
22.5°	657.6	616.9	500.6	367.0	265.5	211.7	189.1	185.7	196.1	202.2	203.9
25°	803.4	745.3	582.2	394.8	270.7	208.2	187.4	188.3	203.9	216.0	218.6
27.5°	962.2	878.0	657.6	417.3	270.7	199.5	184.8	195.2	216.9	232.5	234.3
30°	1135.7	1018.6	723.6	434.7	262.9	190.9	182.2	198.7	220.4	236.9	238.6
32.5°	1320.5	1164.3	792.1	440.7	251.6	183.9	179.6	196.1	214.3	229.0	232.5
35°	1484.5	1294.5	819.0	432.1	236.0	178.7	173.5	187.4	205.6	223.8	224.7
37.5°	1655.4	1418.5	831.2	407.8	220.4	173.5	168.3	181.3	203.0	224.7	227.3
40°	1728.3	1450.6	796.5	373.9	205.6	170.1	165.7	180.5	203.9	225.6	229.0
42.5°	1802.9	1481.9	754.0	325.4	196.1	169.2	168.3	180.5	199.5	216.9	219.5
45°	1930.4	1551.3	734.9	292.4	190.9	171.8	170.9	177.9	191.7	207.4	212.6
47.5°	2112.6	1656.3	725.3	271.6	190.9	176.1	173.5	175.3	183.9	197.8	202.2
50°	2346.0	1802.0	737.5	260.3	195.2	182.2	177.0	174.4	177.9	192.6	197.8
52.5°	2542.1	1941.7	752.2	258.5	202.2	190.0	182.2	174.4	177.0	194.3	200.4
55°	2747.7	2074.4	768.7	262.9	210.8	196.1	185.7	176.1	177.9	194.3	201.3
57.5°	3046.2	2300.0	811.2	272.4	219.5	203.0	190.0	178.7	177.0	190.0	195.2
60°	3318.6	2515.2	874.5	290.6	229.9	210.0	194.3	180.5	176.1	184.8	188.3
62.5°	3483.4	2631.5	898.8	308.0	240.3	216.0	196.1	180.5	178.7	186.5	189.1
65°	3653.5	2742.5	908.4	321.9	246.4	219.5	196.1	182.2	182.2	187.4	188.3
67.5°	3647.4	2718.2	885.8	328.8	251.6	221.2	196.1	182.2	183.9	189.1	190.0
70°	3487.8	2578.5	829.4	328.0	250.7	218.6	192.6	181.3	188.3	194.3	195.2
72.5°	3019.3	2216.7	738.3	317.5	242.9	211.7	187.4	179.6	190.0	198.7	198.7
75°	2477.0	1805.5	609.9	297.6	233.4	203.0	179.6	173.5	186.5	198.7	198.7
77.5°	1951.2	1413.3	494.5	271.6	219.5	192.6	170.1	163.1	177.9	189.1	188.3
80°	1515.7	1071.5	397.4	245.5	203.9	181.3	158.8	151.0	164.0	171.8	170.1
82.5°	1162.6	825.1	328.0	221.2	188.3	168.3	147.5	140.6	152.7	157.9	156.2
85°	793.9	590.8	269.0	194.3	168.3	152.7	136.2	131.0	144.9	151.0	149.2
87.5°	524.0	406.0	224.7	170.9	148.4	137.1	123.2	121.5	137.1	143.2	142.3
90°	346.2	283.7	190.9	148.4	129.3	119.7	111.1	111.1	124.9	130.1	126.7
92.5°	228.2	201.3	151.0	125.8	110.2	104.1	98.9	98.0	110.2	111.9	109.3
95°	155.3	141.4	118.0	104.1	92.8	89.4	85.0	86.8	94.6	92.8	90.2
97.5°	111.1	107.6	95.4	85.0	77.2	76.3	74.6	75.5	79.8	76.3	74.6
100°	88.5	85.9	79.0	71.1	65.9	65.1	64.2	65.1	67.7	64.2	62.5
102.5°	71.1	71.1	65.9	59.9	55.5	56.4	56.4	56.4	57.3	52.1	52.1
105°	57.3	57.3	55.5	50.3	47.7	47.7	48.6	48.6	48.6	45.1	45.1
107.5°	46.0	47.7	46.9	42.5	40.8	41.6	41.6	40.8	40.8	39.0	39.0
110°	37.3	39.0	39.0	36.4	35.6	36.4	35.6	34.7	33.8	33.8	33.8



REPORT NUMBER: P414039

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.2	33.0	33.8	32.1	31.2	31.2	30.4	29.5	29.5	30.4	30.4
115°	26.9	28.6	29.5	27.8	27.8	27.8	26.0	25.2	25.2	26.9	26.9
117.5°	24.3	25.2	26.0	25.2	24.3	24.3	23.4	21.7	21.7	23.4	24.3
120°	21.7	22.6	23.4	22.6	21.7	20.8	20.0	19.1	19.1	21.7	21.7
122.5°	20.0	20.8	20.8	20.0	19.1	19.1	18.2	17.4	17.4	19.1	20.0
125°	19.1	19.1	19.1	18.2	17.4	16.5	15.6	15.6	15.6	17.4	17.4
127.5°	18.2	18.2	17.4	16.5	15.6	14.7	14.7	13.9	13.9	15.6	16.5
130°	18.2	18.2	16.5	15.6	14.7	13.0	13.0	12.1	13.0	14.7	14.7
132.5°	17.4	17.4	15.6	14.7	13.0	12.1	11.3	11.3	11.3	13.0	13.9
135°	16.5	15.6	13.9	13.0	11.3	10.4	10.4	10.4	10.4	12.1	12.1
137.5°	14.7	13.9	12.1	11.3	10.4	9.5	8.7	8.7	9.5	10.4	11.3
140°	12.1	12.1	10.4	9.5	8.7	7.8	7.8	7.8	8.7	9.5	9.5
142.5°	10.4	10.4	8.7	7.8	6.9	6.1	6.9	6.9	7.8	8.7	8.7
145°	8.7	7.8	7.8	6.1	6.1	5.2	5.2	6.1	6.9	7.8	7.8
147.5°	6.9	6.9	6.1	5.2	4.3	4.3	4.3	5.2	6.1	6.1	6.9
150°	6.1	6.1	5.2	5.2	3.5	2.6	3.5	5.2	5.2	5.2	5.2
152.5°	5.2	5.2	5.2	4.3	3.5	1.7	2.6	4.3	4.3	4.3	4.3
155°	4.3	4.3	4.3	3.5	2.6	0.9	2.6	3.5	3.5	3.5	3.5
157.5°	3.5	3.5	3.5	3.5	1.7	0.9	1.7	2.6	2.6	2.6	3.5
160°	2.6	2.6	2.6	2.6	1.7	0.9	1.7	2.6	2.6	2.6	2.6
162.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	2.6	1.7	1.7	1.7
165°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
167.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
170°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
172.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
175°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
177.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)