

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: P417211

Luminaire Tested: **LXF.LXT-PA1-90-750-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417211
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-PA1-90-750-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9196 lumens
Efficiency: N/A
Efficacy: 97.8 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 - G4

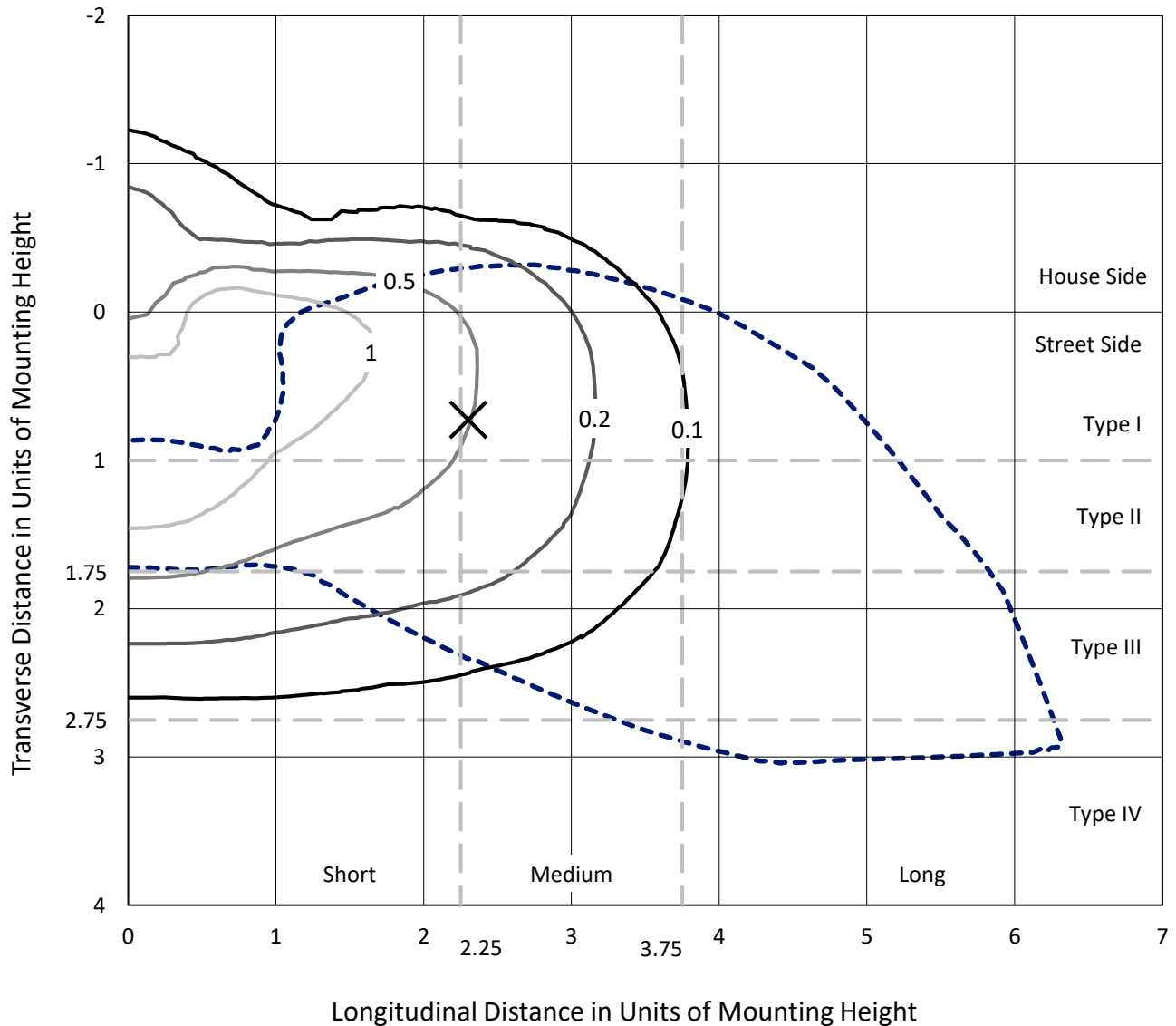
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

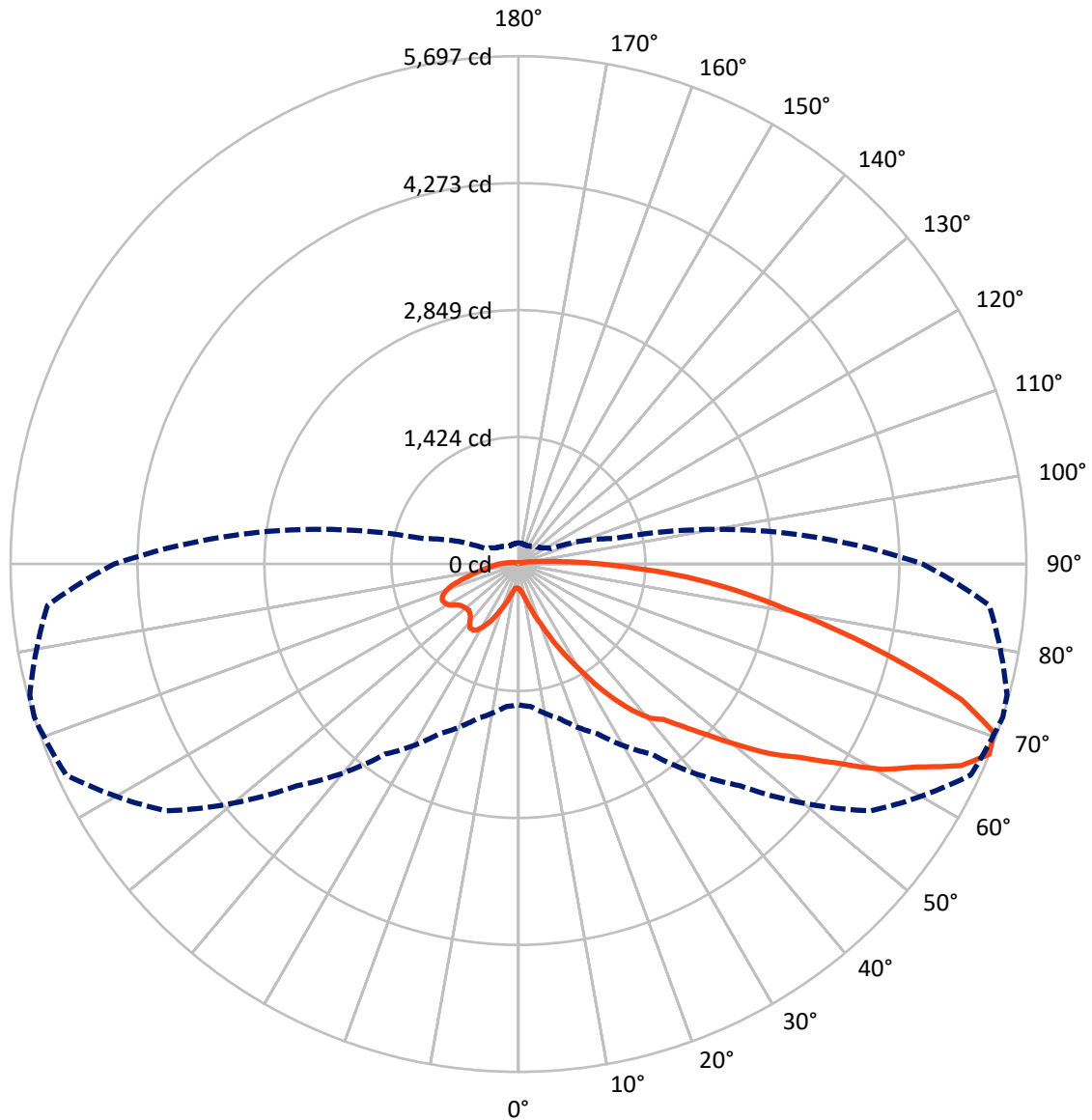
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417211
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

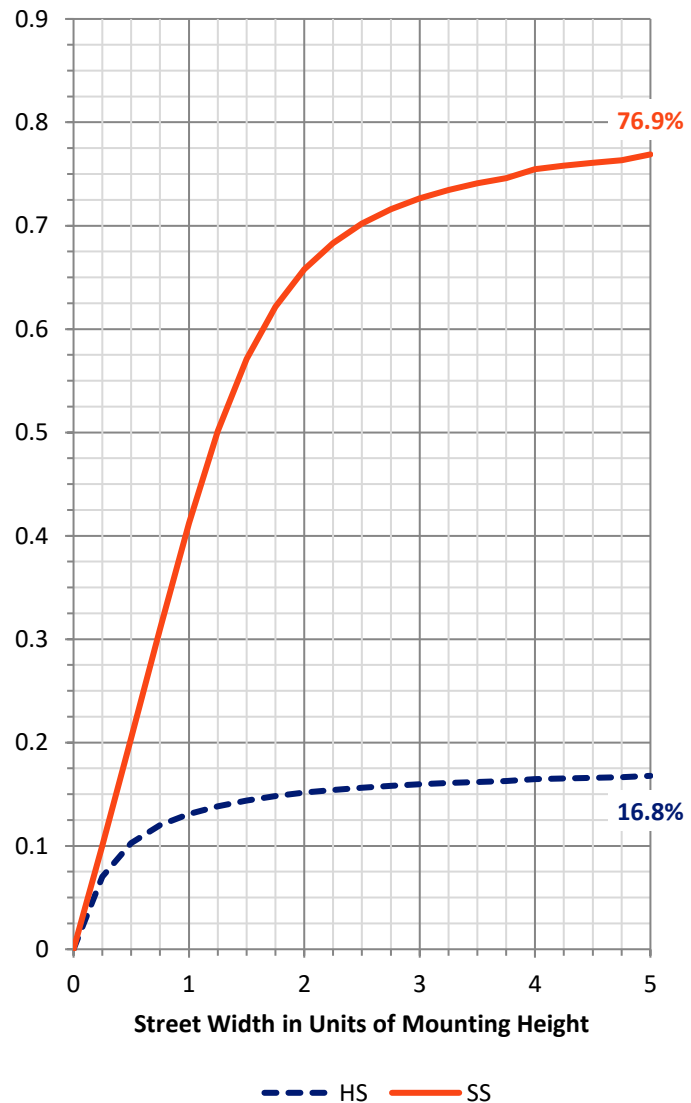
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1609.1	141.4	1750.5
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	7245.5	200.0	7445.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	8854.6	341.4	9196.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	0.3
10°-20°	124.1	1.3
20°-30°	343.9	3.7
30°-40°	739.5	8.0
40°-50°	1251.7	13.6
50°-60°	1836.4	20.0
60°-70°	2190.2	23.8
70°-80°	1635.6	17.8
80°-90°	704.4	7.7
90°-100°	204.4	2.2
100°-110°	66.5	0.7
110°-120°	31.2	0.3
120°-130°	19.0	0.2
130°-140°	12.2	0.1
140°-150°	5.4	0.1
150°-160°	1.9	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-90°	8854.6	96.3
0°-180°	9196.0	100.0



REPORT NUMBER: P417211

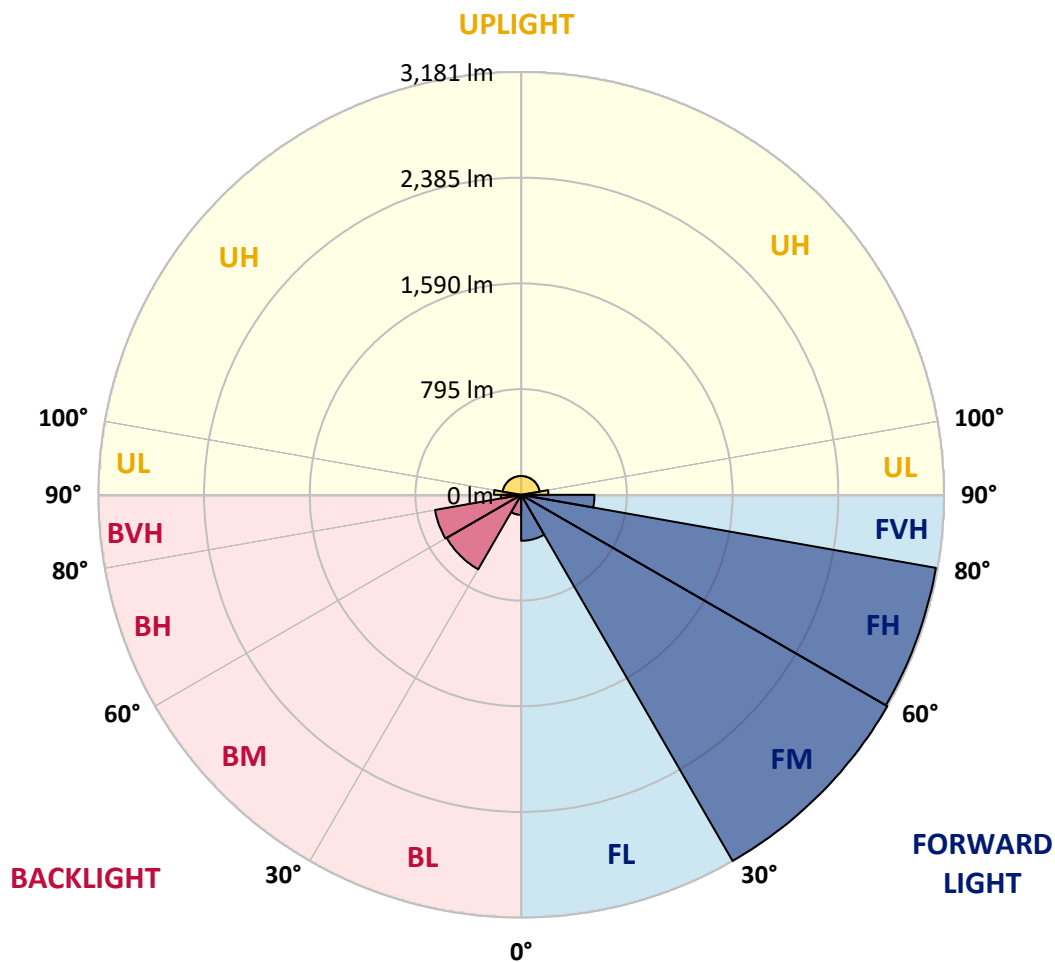
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.1	3.8			
FM	(30°-60°)	3180.6	34.6			
FH	(60°-80°)	3167.9	34.4			G2/5000
FVH	(80°-90°)	551.0	6.0			G4/750
BL	(0°-30°)	150.8	1.6	B1/500		
BM	(30°-60°)	647.0	7.0	B1/1000		
BH	(60°-80°)	657.8	7.2	B2/1000		G2/1000
BVH	(80°-90°)	153.4	1.7			G2/225
UL	(90°-100°)	204.4	2.2		U3/500	
UH	(100°-180°)	141.4	1.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P417211

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	301.9	304.0	306.2	305.1	304.0	300.8	295.4	290.0	284.6	284.6	280.3
5°	345.0	343.9	342.9	343.9	338.5	331.0	322.4	312.7	305.1	303.0	292.2
7.5°	394.6	392.5	394.6	388.1	380.6	370.9	358.0	345.0	332.1	329.9	312.7
10°	453.9	451.8	450.7	445.3	431.3	417.3	404.3	383.8	374.1	370.9	348.3
12.5°	528.3	527.2	520.8	510.0	491.6	477.6	459.3	448.5	438.8	431.3	408.6
15°	613.5	615.6	608.1	585.5	562.8	541.2	532.6	524.0	516.4	513.2	493.8
17.5°	733.2	728.8	711.6	677.1	640.4	623.2	615.6	610.2	617.8	615.6	585.5
20°	880.9	870.1	843.1	783.8	738.6	710.5	704.0	713.8	718.1	728.8	708.4
22.5°	1054.5	1040.4	995.2	928.3	862.5	809.7	803.2	832.4	859.3	862.5	853.9
25°	1223.7	1210.8	1170.9	1083.6	995.2	925.1	910.0	974.7	1028.6	1038.3	1050.1
27.5°	1397.3	1390.8	1332.6	1237.7	1140.7	1052.3	1050.1	1120.2	1204.3	1227.0	1247.5
30°	1594.6	1609.7	1536.4	1416.7	1294.9	1192.5	1187.1	1290.6	1394.1	1442.6	1477.1
32.5°	1872.8	1859.9	1768.2	1634.5	1453.4	1333.7	1341.3	1462.0	1636.7	1677.6	1722.9
35°	2191.9	2196.2	2071.2	1863.1	1649.6	1501.9	1496.5	1664.7	1867.4	1901.9	1977.4
37.5°	2453.9	2475.5	2382.8	2143.4	1869.6	1678.7	1686.3	1875.0	2088.4	2157.4	2223.2
40°	2735.3	2754.7	2646.9	2414.0	2108.9	1873.9	1884.7	2067.9	2271.7	2327.8	2344.0
42.5°	3042.6	3062.0	2931.6	2655.6	2310.5	2108.9	2066.9	2207.0	2384.9	2455.0	2469.0
45°	3330.5	3363.9	3232.4	2907.8	2535.9	2320.2	2256.6	2369.8	2602.7	2667.4	2682.5
47.5°	3418.9	3458.8	3401.7	3136.4	2751.5	2502.5	2460.4	2617.8	2869.0	2965.0	2945.6
50°	3504.1	3540.7	3506.2	3271.2	2930.5	2713.8	2723.5	2906.8	3191.4	3314.3	3299.2
52.5°	3517.0	3554.8	3519.2	3354.2	3083.6	2927.3	3035.1	3251.8	3534.3	3623.8	3602.2
55°	3538.6	3563.4	3531.0	3344.5	3194.6	3154.7	3358.5	3605.4	3829.7	3936.4	3900.8
57.5°	3238.8	3248.5	3366.1	3316.5	3218.4	3407.0	3722.9	3946.1	4210.3	4369.9	4351.5
60°	2807.6	2828.1	2973.6	3087.9	3202.2	3587.1	4080.9	4418.4	4677.1	4781.7	4682.5
62.5°	2452.9	2475.5	2628.6	2775.2	3065.3	3666.9	4455.0	4841.0	5011.4	5106.2	4988.7
65°	1976.3	1993.6	2180.1	2467.9	2842.1	3635.6	4735.4	5280.9	5452.3	5490.1	5262.6
67.5°	1579.5	1605.4	1795.2	2102.4	2602.7	3517.0	4827.0	5597.9	5697.1	5674.4	5302.5
70°	1175.2	1188.2	1420.0	1810.3	2319.2	3258.3	4739.7	5669.1	5654.0	5624.9	5114.9
72.5°	809.7	807.6	1025.3	1405.9	2023.7	2962.8	4333.2	5266.9	5195.7	5120.3	4474.4
75°	522.9	552.0	687.9	1022.1	1636.7	2535.9	3807.0	4573.6	4452.9	4333.2	3686.3
77.5°	352.6	373.0	483.0	732.1	1250.7	2132.6	3276.6	3927.8	3726.2	3617.3	2975.8
80°	242.6	251.2	335.3	538.0	930.5	1691.7	2683.6	3250.7	3030.8	2901.4	2309.5
82.5°	170.4	176.8	234.0	396.8	700.8	1263.6	2142.3	2704.1	2473.3	2379.5	1794.1
85°	122.9	127.2	168.2	295.4	532.6	948.8	1630.2	2103.5	1903.0	1830.7	1282.0
87.5°	91.6	96.0	127.2	218.9	409.7	721.3	1216.2	1506.2	1290.6	1196.8	809.7
90°	67.9	72.2	98.1	163.9	320.2	543.4	880.9	1029.7	837.7	759.0	516.4
92.5°	50.7	53.9	73.3	119.7	244.7	416.2	621.0	651.2	496.0	451.8	325.6
95°	37.7	39.9	55.0	87.3	174.7	303.0	406.5	380.6	292.2	265.2	205.9
97.5°	31.3	32.3	43.1	66.8	122.9	212.4	260.9	234.0	188.7	175.7	142.3
100°	25.9	27.0	34.5	50.7	89.5	145.6	172.5	152.0	131.5	126.1	111.1
102.5°	22.6	23.7	29.1	42.0	66.8	104.6	119.7	108.9	97.0	92.7	86.3
105°	20.5	20.5	25.9	35.6	55.0	78.7	87.3	79.8	72.2	70.1	69.0
107.5°	18.3	18.3	22.6	31.3	45.3	61.5	65.8	59.3	52.8	51.8	55.0
110°	17.3	17.3	20.5	28.0	38.8	50.7	51.8	44.2	39.9	39.9	44.2



REPORT NUMBER: P417211

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	16.2	16.2	19.4	24.8	34.5	42.0	41.0	34.5	31.3	31.3	36.7
115°	16.2	16.2	18.3	23.7	30.2	35.6	33.4	28.0	25.9	25.9	31.3
117.5°	16.2	17.3	18.3	22.6	28.0	31.3	29.1	23.7	22.6	22.6	28.0
120°	17.3	17.3	18.3	22.6	25.9	27.0	24.8	20.5	19.4	20.5	25.9
122.5°	17.3	17.3	19.4	22.6	24.8	24.8	21.6	18.3	18.3	18.3	23.7
125°	18.3	18.3	19.4	22.6	23.7	22.6	19.4	17.3	17.3	18.3	21.6
127.5°	19.4	19.4	20.5	22.6	22.6	20.5	18.3	16.2	16.2	17.3	21.6
130°	21.6	21.6	21.6	22.6	20.5	18.3	16.2	15.1	16.2	17.3	21.6
132.5°	21.6	21.6	21.6	21.6	19.4	16.2	15.1	14.0	16.2	17.3	20.5
135°	19.4	19.4	19.4	19.4	17.3	14.0	12.9	12.9	15.1	16.2	19.4
137.5°	17.3	17.3	17.3	16.2	15.1	12.9	10.8	10.8	12.9	14.0	17.3
140°	15.1	15.1	14.0	14.0	12.9	10.8	9.7	9.7	10.8	11.9	14.0
142.5°	11.9	11.9	11.9	11.9	10.8	8.6	7.5	7.5	9.7	10.8	11.9
145°	9.7	9.7	9.7	9.7	8.6	7.5	6.5	6.5	7.5	8.6	9.7
147.5°	7.5	7.5	8.6	8.6	7.5	6.5	4.3	5.4	6.5	6.5	7.5
150°	6.5	6.5	6.5	7.5	5.4	4.3	3.2	4.3	5.4	5.4	6.5
152.5°	5.4	5.4	5.4	5.4	4.3	2.2	3.2	4.3	4.3	5.4	5.4
155°	3.2	3.2	4.3	4.3	3.2	2.2	3.2	3.2	4.3	4.3	5.4
157.5°	2.2	2.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2	3.2	4.3
160°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
162.5°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
165°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
167.5°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
170°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
172.5°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
175°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
177.5°	0.0	1.1	2.2	3.2	3.2	2.2	2.2	2.2	2.2	2.2	3.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P417211

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	277.1	274.9	270.6	266.3	262.0	257.7	256.6	254.4	253.4	252.3	253.4
5°	287.9	281.4	271.7	262.0	253.4	245.8	240.4	235.0	230.7	228.6	228.6
7.5°	307.3	296.5	280.3	264.2	249.1	236.1	227.5	219.9	214.6	212.4	211.3
10°	337.5	324.5	300.8	274.9	252.3	232.9	219.9	211.3	205.9	202.7	202.7
12.5°	390.3	375.2	337.5	297.6	260.9	234.0	216.7	208.1	202.7	201.6	202.7
15°	473.3	449.6	394.6	337.5	281.4	236.1	214.6	211.3	213.5	214.6	214.6
17.5°	570.4	538.0	467.9	381.7	304.0	245.8	223.2	221.0	224.3	227.5	229.7
20°	679.3	637.2	535.9	423.7	319.1	259.8	231.8	227.5	235.0	241.5	240.4
22.5°	817.3	766.6	622.1	456.1	329.9	263.1	235.0	230.7	243.7	251.2	253.4
25°	998.4	926.2	723.5	490.6	336.4	258.8	232.9	234.0	253.4	268.5	271.7
27.5°	1195.7	1091.1	817.3	518.6	336.4	248.0	229.7	242.6	269.5	289.0	291.1
30°	1411.3	1265.8	899.2	540.2	326.7	237.2	226.4	246.9	273.9	294.3	296.5
32.5°	1641.0	1446.9	984.4	547.7	312.7	228.6	223.2	243.7	266.3	284.6	289.0
35°	1844.8	1608.6	1017.8	536.9	293.3	222.1	215.6	232.9	255.5	278.2	279.2
37.5°	2057.2	1762.8	1032.9	506.7	273.9	215.6	209.2	225.3	252.3	279.2	282.5
40°	2147.7	1802.7	989.8	464.7	255.5	211.3	205.9	224.3	253.4	280.3	284.6
42.5°	2240.5	1841.5	936.9	404.3	243.7	210.2	209.2	224.3	248.0	269.5	272.8
45°	2398.9	1927.8	913.2	363.3	237.2	213.5	212.4	221.0	238.3	257.7	264.2
47.5°	2625.4	2058.2	901.4	337.5	237.2	218.9	215.6	217.8	228.6	245.8	251.2
50°	2915.4	2239.4	916.5	323.5	242.6	226.4	219.9	216.7	221.0	239.4	245.8
52.5°	3159.1	2413.0	934.8	321.3	251.2	236.1	226.4	216.7	219.9	241.5	249.1
55°	3414.6	2577.9	955.3	326.7	262.0	243.7	230.7	218.9	221.0	241.5	250.1
57.5°	3785.5	2858.2	1008.1	338.5	272.8	252.3	236.1	222.1	219.9	236.1	242.6
60°	4124.0	3125.6	1086.8	361.2	285.7	260.9	241.5	224.3	218.9	229.7	234.0
62.5°	4328.9	3270.1	1117.0	382.8	298.7	268.5	243.7	224.3	222.1	231.8	235.0
65°	4540.2	3408.1	1128.9	400.0	306.2	272.8	243.7	226.4	226.4	232.9	234.0
67.5°	4532.7	3377.9	1100.8	408.6	312.7	274.9	243.7	226.4	228.6	235.0	236.1
70°	4334.3	3204.3	1030.7	407.6	311.6	271.7	239.4	225.3	234.0	241.5	242.6
72.5°	3752.1	2754.7	917.5	394.6	301.9	263.1	232.9	223.2	236.1	246.9	246.9
75°	3078.2	2243.7	758.0	369.8	290.0	252.3	223.2	215.6	231.8	246.9	246.9
77.5°	2424.8	1756.4	614.6	337.5	272.8	239.4	211.3	202.7	221.0	235.0	234.0
80°	1883.6	1331.5	493.8	305.1	253.4	225.3	197.3	187.6	203.8	213.5	211.3
82.5°	1444.8	1025.3	407.6	274.9	234.0	209.2	183.3	174.7	189.8	196.2	194.1
85°	986.5	734.2	334.2	241.5	209.2	189.8	169.3	162.8	180.1	187.6	185.4
87.5°	651.2	504.6	279.2	212.4	184.4	170.4	153.1	150.9	170.4	177.9	176.8
90°	430.2	352.6	237.2	184.4	160.6	148.8	138.0	138.0	155.3	161.7	157.4
92.5°	283.6	250.1	187.6	156.3	136.9	129.4	122.9	121.8	136.9	139.1	135.9
95°	193.0	175.7	146.6	129.4	115.4	111.1	105.7	107.8	117.5	115.4	112.1
97.5°	138.0	133.7	118.6	105.7	96.0	94.9	92.7	93.8	99.2	94.9	92.7
100°	110.0	106.7	98.1	88.4	81.9	80.9	79.8	80.9	84.1	79.8	77.6
102.5°	88.4	88.4	81.9	74.4	69.0	70.1	70.1	70.1	71.2	64.7	64.7
105°	71.2	71.2	69.0	62.5	59.3	59.3	60.4	60.4	60.4	56.1	56.1
107.5°	57.1	59.3	58.2	52.8	50.7	51.8	51.8	50.7	50.7	48.5	48.5
110°	46.4	48.5	48.5	45.3	44.2	45.3	44.2	43.1	42.0	42.0	42.0



REPORT NUMBER: P417211

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.8	41.0	42.0	39.9	38.8	38.8	37.7	36.7	36.7	37.7	37.7
115°	33.4	35.6	36.7	34.5	34.5	34.5	32.3	31.3	31.3	33.4	33.4
117.5°	30.2	31.3	32.3	31.3	30.2	30.2	29.1	27.0	27.0	29.1	30.2
120°	27.0	28.0	29.1	28.0	27.0	25.9	24.8	23.7	23.7	27.0	27.0
122.5°	24.8	25.9	25.9	24.8	23.7	23.7	22.6	21.6	21.6	23.7	24.8
125°	23.7	23.7	23.7	22.6	21.6	20.5	19.4	19.4	19.4	21.6	21.6
127.5°	22.6	22.6	21.6	20.5	19.4	18.3	18.3	17.3	17.3	19.4	20.5
130°	22.6	22.6	20.5	19.4	18.3	16.2	16.2	15.1	16.2	18.3	18.3
132.5°	21.6	21.6	19.4	18.3	16.2	15.1	14.0	14.0	14.0	16.2	17.3
135°	20.5	19.4	17.3	16.2	14.0	12.9	12.9	12.9	12.9	15.1	15.1
137.5°	18.3	17.3	15.1	14.0	12.9	11.9	10.8	10.8	11.9	12.9	14.0
140°	15.1	15.1	12.9	11.9	10.8	9.7	9.7	9.7	10.8	11.9	11.9
142.5°	12.9	12.9	10.8	9.7	8.6	7.5	8.6	8.6	9.7	10.8	10.8
145°	10.8	9.7	9.7	7.5	7.5	6.5	6.5	7.5	8.6	9.7	9.7
147.5°	8.6	8.6	7.5	6.5	5.4	5.4	5.4	6.5	7.5	7.5	8.6
150°	7.5	7.5	6.5	6.5	4.3	3.2	4.3	6.5	6.5	6.5	6.5
152.5°	6.5	6.5	6.5	5.4	4.3	2.2	3.2	5.4	5.4	5.4	5.4
155°	5.4	5.4	5.4	4.3	3.2	1.1	3.2	4.3	4.3	4.3	4.3
157.5°	4.3	4.3	4.3	4.3	2.2	1.1	2.2	3.2	3.2	3.2	4.3
160°	3.2	3.2	3.2	3.2	2.2	1.1	2.2	3.2	3.2	3.2	3.2
162.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	3.2	2.2	2.2	2.2
165°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
167.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1
170°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1
172.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1
175°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1
177.5°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)