

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: P414247

Luminaire Tested: **LXF.LXT-PA1-20-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414247
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-PA1-20-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA 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: 2570 lumens
Efficiency: N/A
Efficacy: 122.4 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 - G2

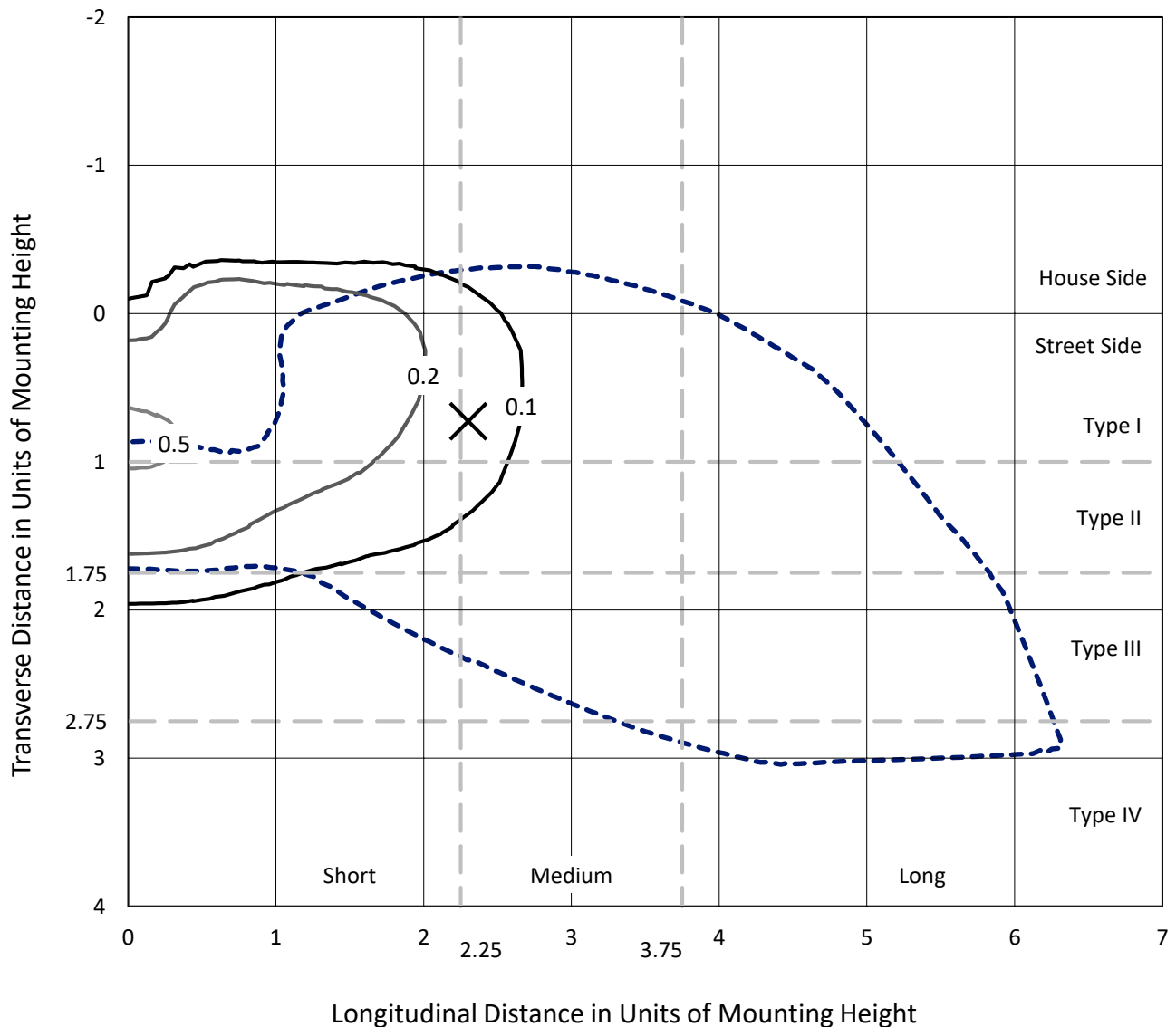
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414247
 CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

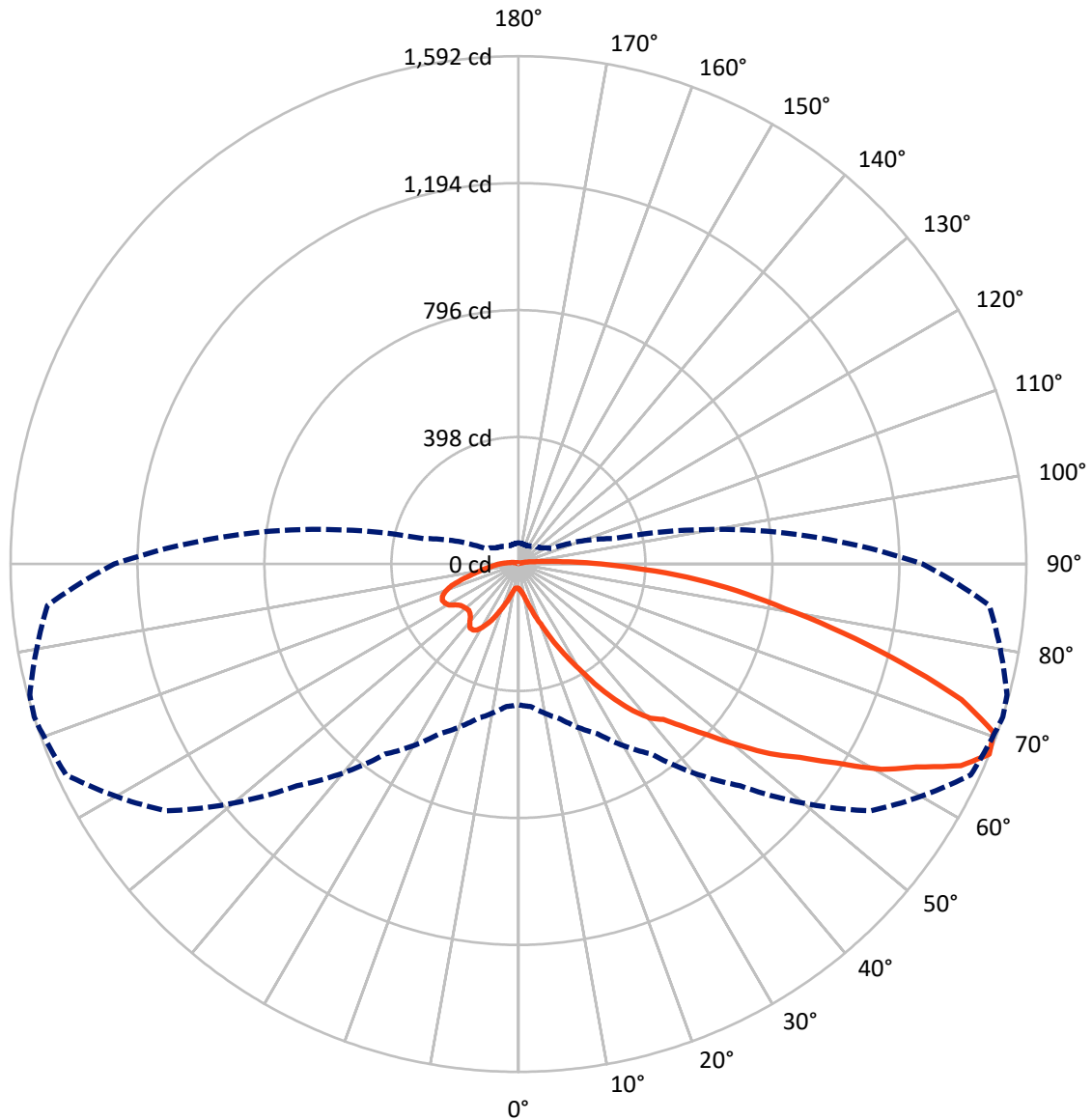
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414247
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414247

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

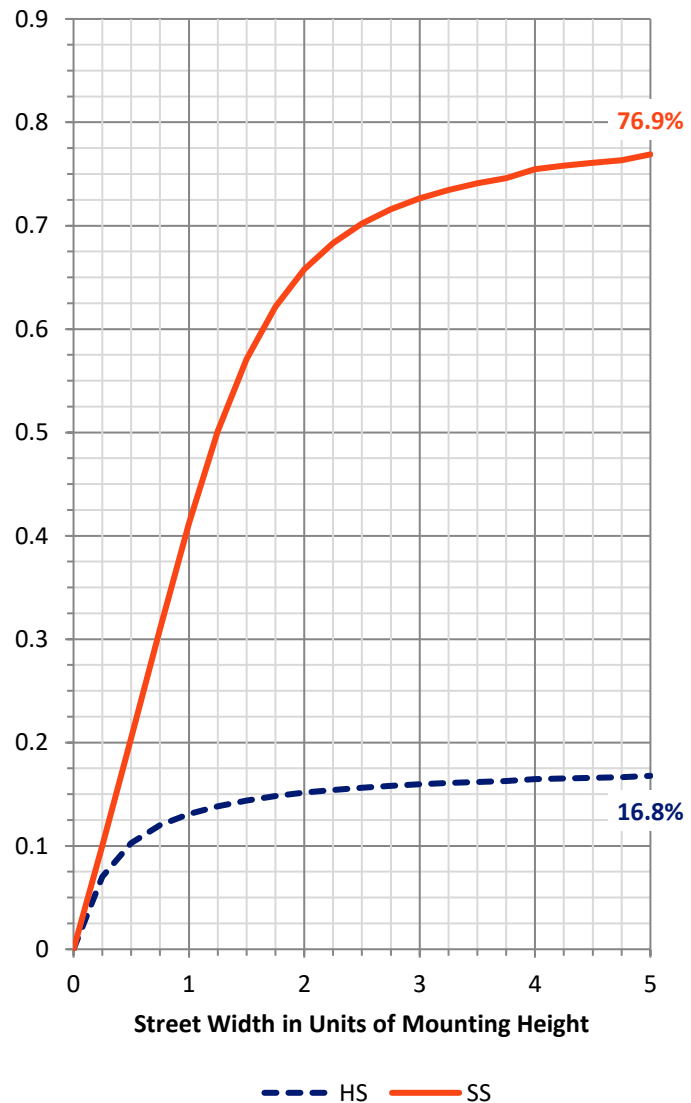
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.7	39.5	489.2
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	2024.9	55.9	2080.8
	% Fixture	78.8	2.2	81.0
Total	Lumens	2474.6	95.4	2570.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	34.7	1.4
20°-30°	96.1	3.7
30°-40°	206.7	8.0
40°-50°	349.8	13.6
50°-60°	513.2	20.0
60°-70°	612.1	23.8
70°-80°	457.1	17.8
80°-90°	196.9	7.7
90°-100°	57.1	2.2
100°-110°	18.6	0.7
110°-120°	8.7	0.3
120°-130°	5.3	0.2
130°-140°	3.4	0.1
140°-150°	1.5	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2474.6	96.3
0°-180°	2570.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414247

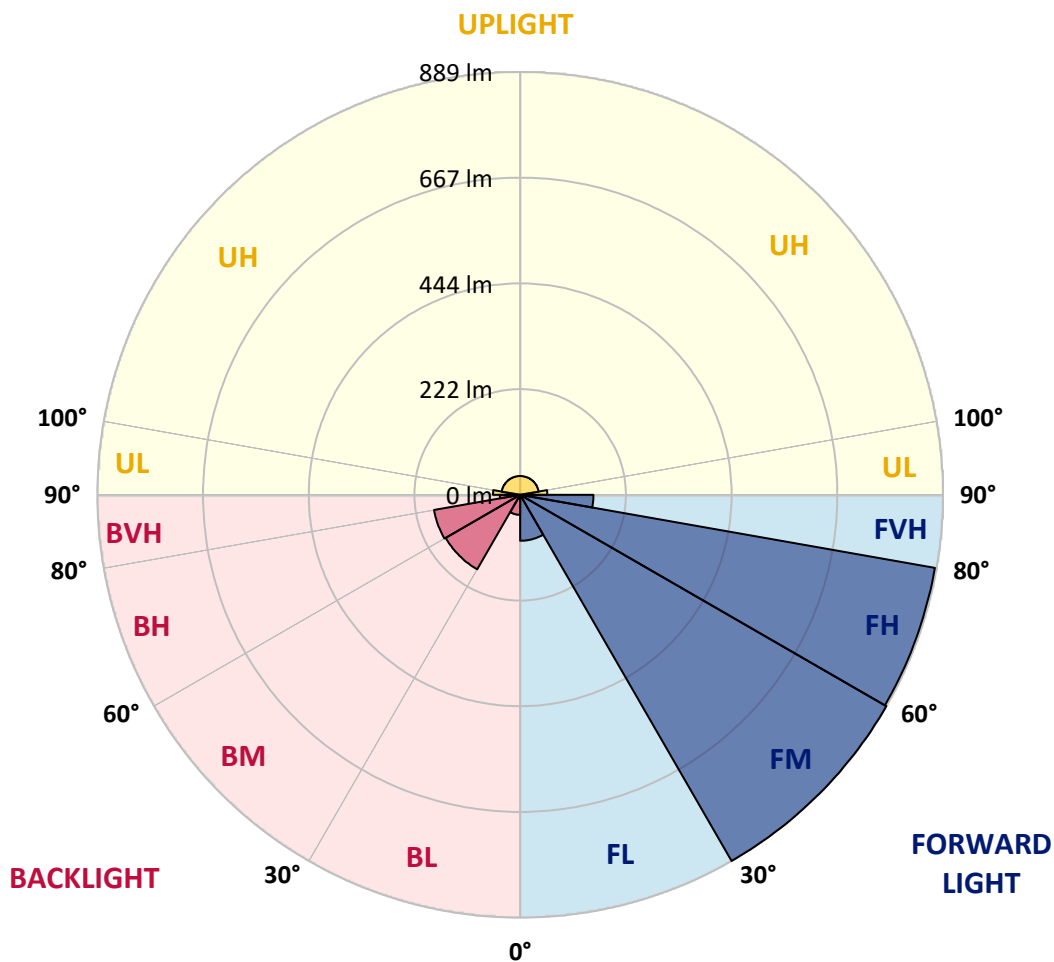
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.7	3.8			
FM (30°-60°)	888.9	34.6			
FH (60°-80°)	885.3	34.4			G1/1800
FVH (80°-90°)	154.0	6.0			G2/225
BL (0°-30°)	42.1	1.6	B0/110		
BM (30°-60°)	180.8	7.0	B0/220		
BH (60°-80°)	183.9	7.2	B1/500		G1/500
BVH (80°-90°)	42.9	1.7			G1/100
UL (90°-100°)	57.1	2.2		U3/500	
UH (100°-180°)	39.5	1.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414247

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	84.4	85.0	85.6	85.3	85.0	84.1	82.6	81.1	79.5	79.5	78.3
5°	96.4	96.1	95.8	96.1	94.6	92.5	90.1	87.4	85.3	84.7	81.7
7.5°	110.3	109.7	110.3	108.5	106.4	103.7	100.0	96.4	92.8	92.2	87.4
10°	126.9	126.3	126.0	124.4	120.5	116.6	113.0	107.3	104.6	103.7	97.3
12.5°	147.6	147.3	145.5	142.5	137.4	133.5	128.4	125.3	122.6	120.5	114.2
15°	171.4	172.1	169.9	163.6	157.3	151.3	148.9	146.4	144.3	143.4	138.0
17.5°	204.9	203.7	198.9	189.2	179.0	174.2	172.1	170.5	172.7	172.1	163.6
20°	246.2	243.2	235.6	219.1	206.4	198.6	196.8	199.5	200.7	203.7	198.0
22.5°	294.7	290.8	278.1	259.4	241.1	226.3	224.5	232.6	240.2	241.1	238.6
25°	342.0	338.4	327.2	302.8	278.1	258.5	254.3	272.4	287.5	290.2	293.5
27.5°	390.5	388.7	372.4	345.9	318.8	294.1	293.5	313.1	336.6	342.9	348.6
30°	445.6	449.9	429.4	395.9	361.9	333.3	331.8	360.7	389.6	403.2	412.8
32.5°	523.4	519.8	494.2	456.8	406.2	372.7	374.8	408.6	457.4	468.9	481.5
35°	612.6	613.8	578.8	520.7	461.0	419.7	418.2	465.2	521.9	531.5	552.6
37.5°	685.8	691.8	665.9	599.0	522.5	469.2	471.3	524.0	583.7	602.9	621.3
40°	764.4	769.9	739.7	674.7	589.4	523.7	526.7	577.9	634.9	650.5	655.1
42.5°	850.3	855.7	819.3	742.1	645.7	589.4	577.6	616.8	666.5	686.1	690.0
45°	930.8	940.1	903.4	812.7	708.7	648.4	630.7	662.3	727.4	745.5	749.7
47.5°	955.5	966.6	950.7	876.5	769.0	699.4	687.6	731.6	801.8	828.6	823.2
50°	979.3	989.5	979.9	914.2	819.0	758.4	761.1	812.4	891.9	926.3	922.0
52.5°	982.9	993.4	983.5	937.4	861.8	818.1	848.2	908.8	987.7	1012.7	1006.7
55°	988.9	995.9	986.8	934.7	892.8	881.7	938.6	1007.6	1070.3	1100.1	1090.2
57.5°	905.2	907.9	940.7	926.9	899.4	952.2	1040.4	1102.8	1176.6	1221.2	1216.1
60°	784.6	790.4	831.0	863.0	894.9	1002.5	1140.5	1234.8	1307.1	1336.3	1308.6
62.5°	685.5	691.8	734.6	775.6	856.6	1024.8	1245.0	1352.9	1400.5	1427.0	1394.2
65°	552.3	557.1	609.3	689.7	794.3	1016.0	1323.4	1475.9	1523.8	1534.3	1470.7
67.5°	441.4	448.7	501.7	587.6	727.4	982.9	1349.0	1564.4	1592.2	1585.8	1481.9
70°	328.4	332.1	396.8	505.9	648.1	910.6	1324.6	1584.3	1580.1	1572.0	1429.5
72.5°	226.3	225.7	286.6	392.9	565.6	828.0	1211.0	1471.9	1452.0	1431.0	1250.5
75°	146.1	154.3	192.2	285.6	457.4	708.7	1064.0	1278.2	1244.4	1211.0	1030.2
77.5°	98.5	104.3	135.0	204.6	349.5	596.0	915.7	1097.7	1041.4	1010.9	831.6
80°	67.8	70.2	93.7	150.4	260.0	472.8	750.0	908.5	847.0	810.8	645.4
82.5°	47.6	49.4	65.4	110.9	195.9	353.1	598.7	755.7	691.2	665.0	501.4
85°	34.4	35.6	47.0	82.6	148.9	265.2	455.6	587.9	531.8	511.6	358.3
87.5°	25.6	26.8	35.6	61.2	114.5	201.6	339.9	420.9	360.7	334.5	226.3
90°	19.0	20.2	27.4	45.8	89.5	151.9	246.2	287.8	234.1	212.1	144.3
92.5°	14.2	15.1	20.5	33.4	68.4	116.3	173.6	182.0	138.6	126.3	91.0
95°	10.5	11.1	15.4	24.4	48.8	84.7	113.6	106.4	81.7	74.1	57.6
97.5°	8.7	9.0	12.1	18.7	34.4	59.4	72.9	65.4	52.7	49.1	39.8
100°	7.2	7.5	9.6	14.2	25.0	40.7	48.2	42.5	36.8	35.3	31.0
102.5°	6.3	6.6	8.1	11.8	18.7	29.2	33.4	30.4	27.1	25.9	24.1
105°	5.7	5.7	7.2	9.9	15.4	22.0	24.4	22.3	20.2	19.6	19.3
107.5°	5.1	5.1	6.3	8.7	12.7	17.2	18.4	16.6	14.8	14.5	15.4
110°	4.8	4.8	5.7	7.8	10.8	14.2	14.5	12.4	11.1	11.1	12.4



REPORT NUMBER: P414247

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.5	4.5	5.4	6.9	9.6	11.8	11.5	9.6	8.7	8.7	10.2
115°	4.5	4.5	5.1	6.6	8.4	9.9	9.3	7.8	7.2	7.2	8.7
117.5°	4.5	4.8	5.1	6.3	7.8	8.7	8.1	6.6	6.3	6.3	7.8
120°	4.8	4.8	5.1	6.3	7.2	7.5	6.9	5.7	5.4	5.7	7.2
122.5°	4.8	4.8	5.4	6.3	6.9	6.9	6.0	5.1	5.1	5.1	6.6
125°	5.1	5.1	5.4	6.3	6.6	6.3	5.4	4.8	4.8	5.1	6.0
127.5°	5.4	5.4	5.7	6.3	6.3	5.7	5.1	4.5	4.5	4.8	6.0
130°	6.0	6.0	6.0	6.3	5.7	5.1	4.5	4.2	4.5	4.8	6.0
132.5°	6.0	6.0	6.0	6.0	5.4	4.5	4.2	3.9	4.5	4.8	5.7
135°	5.4	5.4	5.4	5.4	4.8	3.9	3.6	3.6	4.2	4.5	5.4
137.5°	4.8	4.8	4.8	4.5	4.2	3.6	3.0	3.0	3.6	3.9	4.8
140°	4.2	4.2	3.9	3.9	3.6	3.0	2.7	2.7	3.0	3.3	3.9
142.5°	3.3	3.3	3.3	3.3	3.0	2.4	2.1	2.1	2.7	3.0	3.3
145°	2.7	2.7	2.7	2.7	2.4	2.1	1.8	1.8	2.1	2.4	2.7
147.5°	2.1	2.1	2.4	2.4	2.1	1.8	1.2	1.5	1.8	1.8	2.1
150°	1.8	1.8	1.8	2.1	1.5	1.2	0.9	1.2	1.5	1.5	1.8
152.5°	1.5	1.5	1.5	1.5	1.2	0.6	0.9	1.2	1.2	1.5	1.5
155°	0.9	0.9	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.5
157.5°	0.6	0.6	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9	1.2
160°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
162.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
165°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
167.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
170°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
172.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
175°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
177.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



REPORT NUMBER: P414247

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2.5°	77.4	76.8	75.6	74.4	73.2	72.0	71.7	71.1	70.8	70.5	70.8
5°	80.5	78.6	75.9	73.2	70.8	68.7	67.2	65.7	64.5	63.9	63.9
7.5°	85.9	82.9	78.3	73.8	69.6	66.0	63.6	61.5	60.0	59.4	59.1
10°	94.3	90.7	84.1	76.8	70.5	65.1	61.5	59.1	57.6	56.6	56.6
12.5°	109.1	104.9	94.3	83.2	72.9	65.4	60.6	58.2	56.6	56.3	56.6
15°	132.3	125.6	110.3	94.3	78.6	66.0	60.0	59.1	59.7	60.0	60.0
17.5°	159.4	150.4	130.8	106.7	85.0	68.7	62.4	61.8	62.7	63.6	64.2
20°	189.8	178.1	149.8	118.4	89.2	72.6	64.8	63.6	65.7	67.5	67.2
22.5°	228.4	214.2	173.9	127.5	92.2	73.5	65.7	64.5	68.1	70.2	70.8
25°	279.0	258.8	202.2	137.1	94.0	72.3	65.1	65.4	70.8	75.0	75.9
27.5°	334.2	304.9	228.4	144.9	94.0	69.3	64.2	67.8	75.3	80.8	81.4
30°	394.4	353.7	251.3	151.0	91.3	66.3	63.3	69.0	76.5	82.3	82.9
32.5°	458.6	404.4	275.1	153.1	87.4	63.9	62.4	68.1	74.4	79.5	80.8
35°	515.6	449.6	284.4	150.1	82.0	62.1	60.3	65.1	71.4	77.7	78.0
37.5°	574.9	492.7	288.7	141.6	76.5	60.3	58.5	63.0	70.5	78.0	78.9
40°	600.2	503.8	276.6	129.9	71.4	59.1	57.6	62.7	70.8	78.3	79.5
42.5°	626.1	514.7	261.8	113.0	68.1	58.8	58.5	62.7	69.3	75.3	76.2
45°	670.4	538.8	255.2	101.5	66.3	59.7	59.4	61.8	66.6	72.0	73.8
47.5°	733.7	575.2	251.9	94.3	66.3	61.2	60.3	60.9	63.9	68.7	70.2
50°	814.8	625.8	256.1	90.4	67.8	63.3	61.5	60.6	61.8	66.9	68.7
52.5°	882.9	674.3	261.2	89.8	70.2	66.0	63.3	60.6	61.5	67.5	69.6
55°	954.3	720.5	267.0	91.3	73.2	68.1	64.5	61.2	61.8	67.5	69.9
57.5°	1057.9	798.8	281.7	94.6	76.2	70.5	66.0	62.1	61.5	66.0	67.8
60°	1152.5	873.5	303.7	100.9	79.8	72.9	67.5	62.7	61.2	64.2	65.4
62.5°	1209.8	913.9	312.2	107.0	83.5	75.0	68.1	62.7	62.1	64.8	65.7
65°	1268.8	952.5	315.5	111.8	85.6	76.2	68.1	63.3	63.3	65.1	65.4
67.5°	1266.7	944.0	307.6	114.2	87.4	76.8	68.1	63.3	63.9	65.7	66.0
70°	1211.3	895.5	288.1	113.9	87.1	75.9	66.9	63.0	65.4	67.5	67.8
72.5°	1048.6	769.9	256.4	110.3	84.4	73.5	65.1	62.4	66.0	69.0	69.0
75°	860.3	627.0	211.8	103.4	81.1	70.5	62.4	60.3	64.8	69.0	69.0
77.5°	677.7	490.8	171.8	94.3	76.2	66.9	59.1	56.6	61.8	65.7	65.4
80°	526.4	372.1	138.0	85.3	70.8	63.0	55.1	52.4	56.9	59.7	59.1
82.5°	403.8	286.6	113.9	76.8	65.4	58.5	51.2	48.8	53.0	54.8	54.2
85°	275.7	205.2	93.4	67.5	58.5	53.0	47.3	45.5	50.3	52.4	51.8
87.5°	182.0	141.0	78.0	59.4	51.5	47.6	42.8	42.2	47.6	49.7	49.4
90°	120.2	98.5	66.3	51.5	44.9	41.6	38.6	38.6	43.4	45.2	44.0
92.5°	79.2	69.9	52.4	43.7	38.3	36.2	34.4	34.0	38.3	38.9	38.0
95°	53.9	49.1	41.0	36.2	32.2	31.0	29.5	30.1	32.8	32.2	31.3
97.5°	38.6	37.4	33.1	29.5	26.8	26.5	25.9	26.2	27.7	26.5	25.9
100°	30.7	29.8	27.4	24.7	22.9	22.6	22.3	22.6	23.5	22.3	21.7
102.5°	24.7	24.7	22.9	20.8	19.3	19.6	19.6	19.6	19.9	18.1	18.1
105°	19.9	19.9	19.3	17.5	16.6	16.6	16.9	16.9	16.9	15.7	15.7
107.5°	16.0	16.6	16.3	14.8	14.2	14.5	14.5	14.2	14.2	13.6	13.6
110°	13.0	13.6	13.6	12.7	12.4	12.7	12.4	12.1	11.8	11.8	11.8



REPORT NUMBER: P414247

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	11.5	11.8	11.1	10.8	10.8	10.5	10.2	10.2	10.5	10.5
115°	9.3	9.9	10.2	9.6	9.6	9.6	9.0	8.7	8.7	9.3	9.3
117.5°	8.4	8.7	9.0	8.7	8.4	8.4	8.1	7.5	7.5	8.1	8.4
120°	7.5	7.8	8.1	7.8	7.5	7.2	6.9	6.6	6.6	7.5	7.5
122.5°	6.9	7.2	7.2	6.9	6.6	6.6	6.3	6.0	6.0	6.6	6.9
125°	6.6	6.6	6.6	6.3	6.0	5.7	5.4	5.4	5.4	6.0	6.0
127.5°	6.3	6.3	6.0	5.7	5.4	5.1	5.1	4.8	4.8	5.4	5.7
130°	6.3	6.3	5.7	5.4	5.1	4.5	4.5	4.2	4.5	5.1	5.1
132.5°	6.0	6.0	5.4	5.1	4.5	4.2	3.9	3.9	3.9	4.5	4.8
135°	5.7	5.4	4.8	4.5	3.9	3.6	3.6	3.6	3.6	4.2	4.2
137.5°	5.1	4.8	4.2	3.9	3.6	3.3	3.0	3.0	3.3	3.6	3.9
140°	4.2	4.2	3.6	3.3	3.0	2.7	2.7	2.7	3.0	3.3	3.3
142.5°	3.6	3.6	3.0	2.7	2.4	2.1	2.4	2.4	2.7	3.0	3.0
145°	3.0	2.7	2.7	2.1	2.1	1.8	1.8	2.1	2.4	2.7	2.7
147.5°	2.4	2.4	2.1	1.8	1.5	1.5	1.5	1.8	2.1	2.1	2.4
150°	2.1	2.1	1.8	1.8	1.2	0.9	1.2	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.5	1.2	0.6	0.9	1.5	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.2	0.9	0.3	0.9	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	0.6	0.3	0.6	0.9	0.9	0.9	1.2
160°	0.9	0.9	0.9	0.9	0.6	0.3	0.6	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.9	0.6	0.6	0.6
165°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
167.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
170°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
172.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
175°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
177.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)