

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: P415296

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3675 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

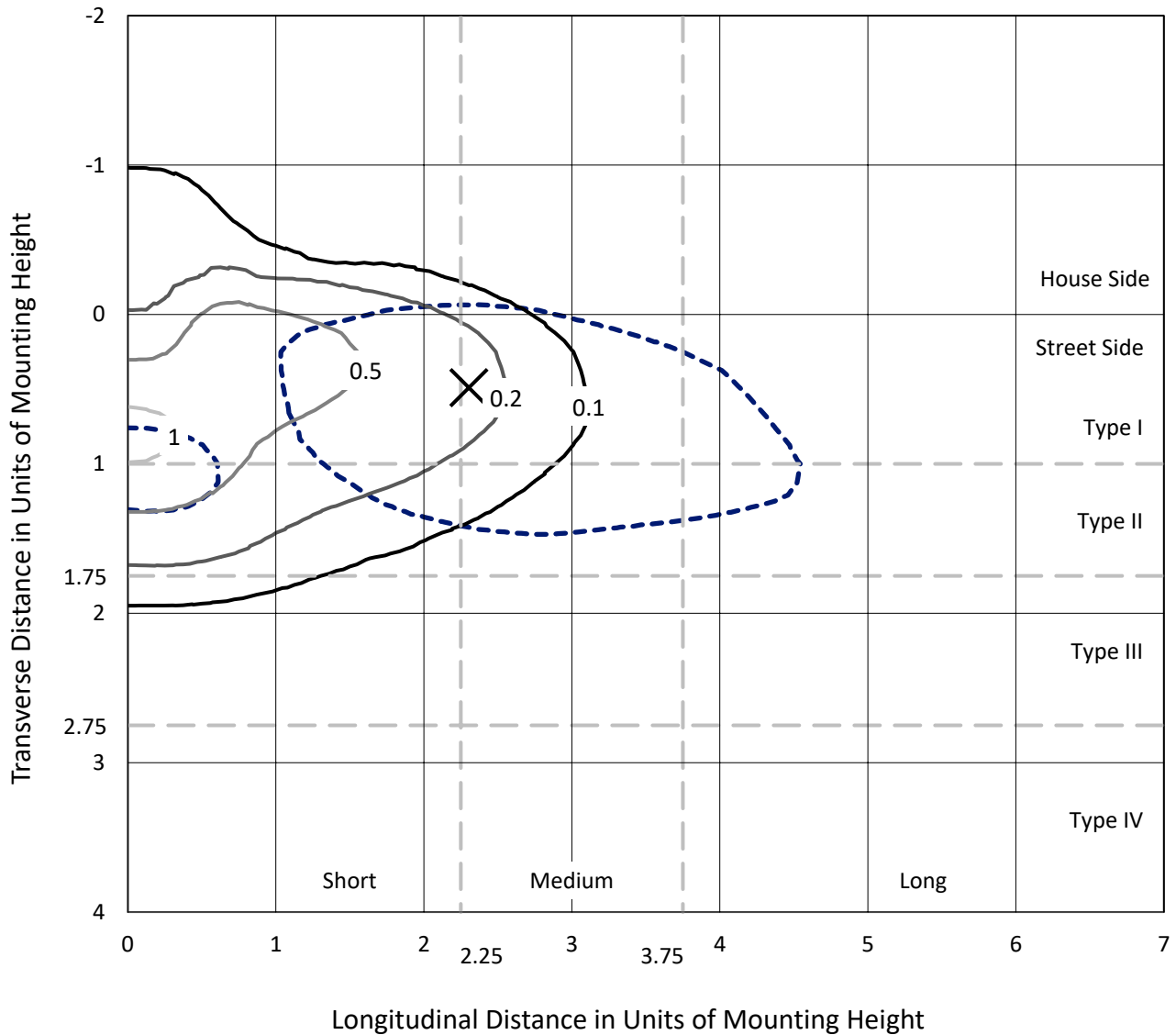
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415296
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

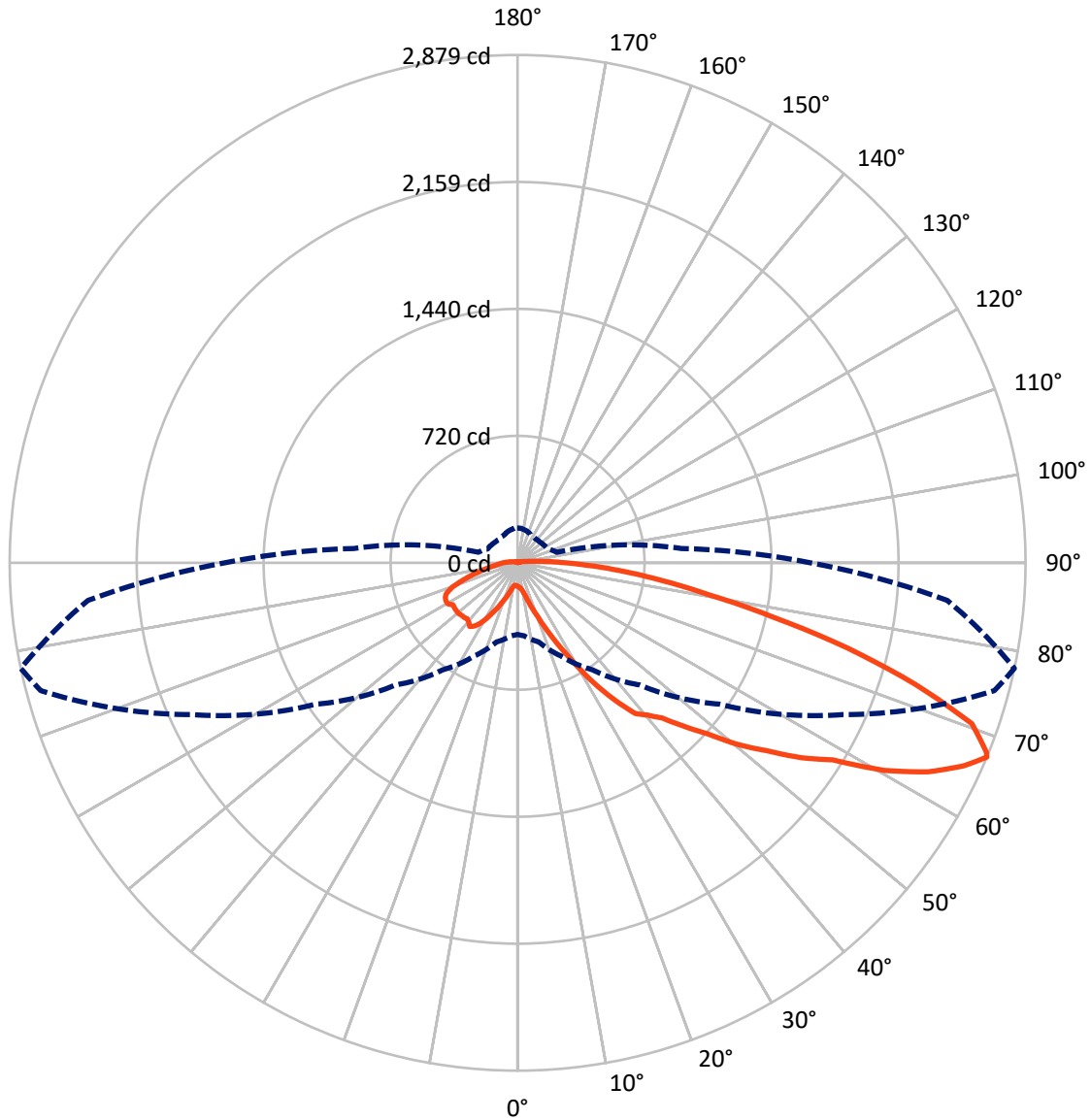
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415296
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P415296

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

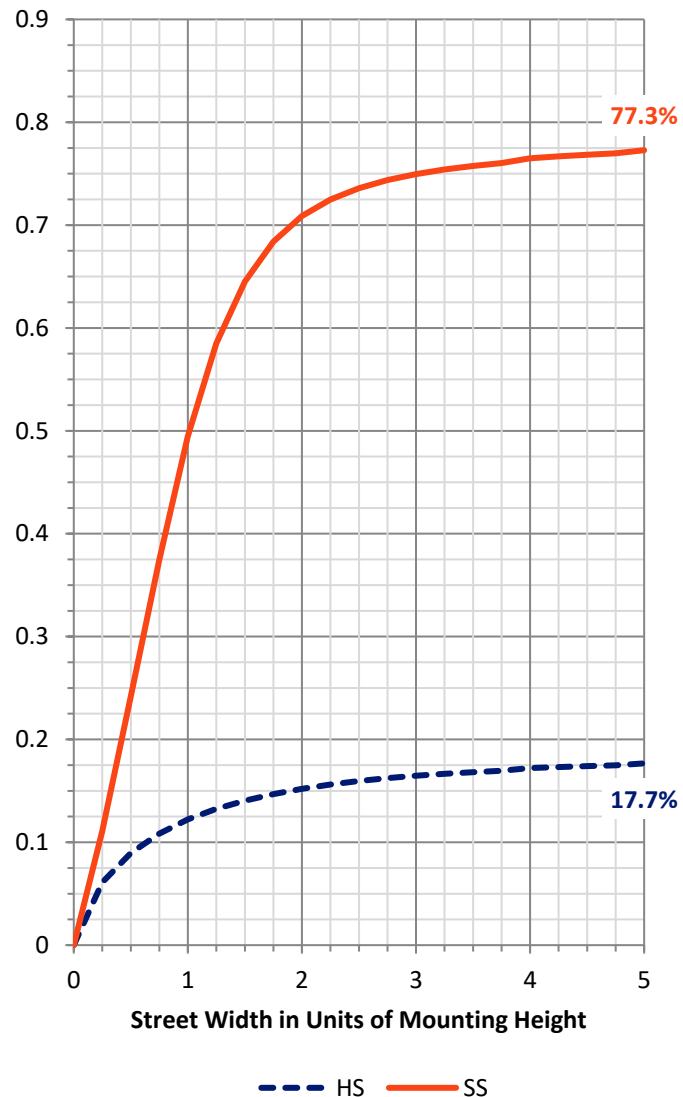
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.9	55.6	735.5
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	2880.3	59.2	2939.5
	% Fixture	78.4	1.6	80.0
Total	Lumens	3560.2	114.8	3675.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.4
10°-20°	57.2	1.6
20°-30°	171.5	4.7
30°-40°	392.5	10.7
40°-50°	626.9	17.1
50°-60°	772.6	21.0
60°-70°	805.3	21.9
70°-80°	522.2	14.2
80°-90°	198.5	5.4
90°-100°	61.3	1.7
100°-110°	23.6	0.6
110°-120°	12.7	0.3
120°-130°	8.4	0.2
130°-140°	5.5	0.2
140°-150°	2.5	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3560.2	96.9
0°-180°	3675.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415296

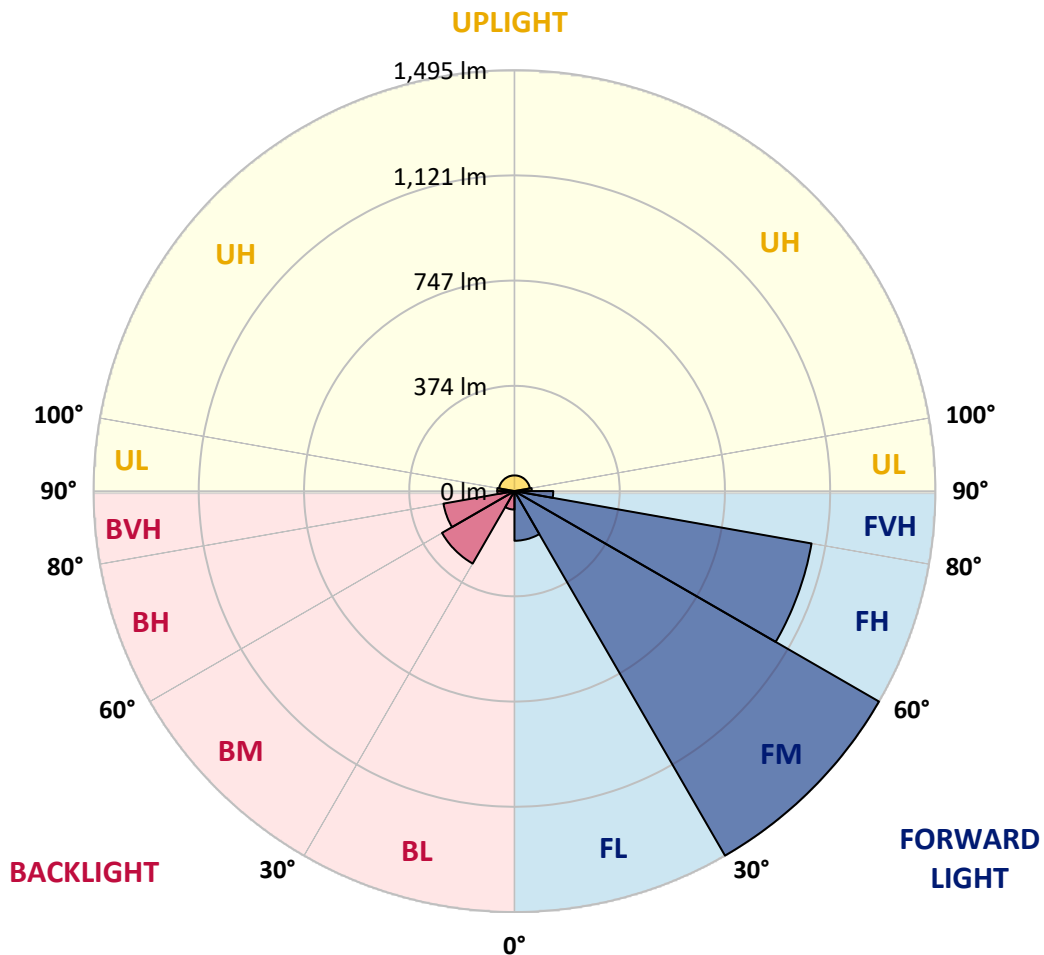
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.5	4.8			
FM (30°-60°)	1494.8	40.7			
FH (60°-80°)	1071.3	29.2			G1/1800
FVH (80°-90°)	137.7	3.7			G2/225
BL (0°-30°)	65.7	1.8	B0/110		
BM (30°-60°)	297.3	8.1	B1/1000		
BH (60°-80°)	256.1	7.0	B1/500		G1/500
BVH (80°-90°)	60.8	1.7			G1/100
UL (90°-100°)	61.3	1.7		U3/500	
UH (100°-180°)	55.6	1.5		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





REPORT NUMBER: P415296

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	151.4	150.9	150.5	149.6	147.9	146.2	143.5	140.1	137.5	137.0	134.4
5°	170.5	169.2	169.2	167.0	163.6	160.1	154.9	148.8	144.0	141.4	137.5
7.5°	194.0	191.4	192.3	188.8	184.0	177.9	169.6	161.4	152.2	149.6	144.0
10°	222.3	220.5	218.8	214.5	208.8	199.2	191.4	179.2	167.0	163.6	154.9
12.5°	256.6	257.1	251.9	247.1	237.5	227.9	218.4	206.6	193.1	189.2	177.9
15°	304.9	304.5	298.8	288.0	276.2	265.8	257.9	245.3	232.3	227.9	211.0
17.5°	361.5	360.2	355.8	336.7	324.9	316.7	305.4	297.5	278.8	274.0	253.2
20°	444.1	436.3	426.3	400.6	383.2	372.8	363.7	353.6	333.6	325.4	300.6
22.5°	535.9	539.8	521.6	482.0	452.8	433.7	424.1	418.9	403.7	398.0	360.6
25°	649.9	649.9	621.2	577.7	539.8	504.2	502.0	508.1	487.6	483.7	444.1
27.5°	769.9	774.7	736.9	690.3	632.9	591.2	589.0	594.2	592.5	581.1	524.6
30°	907.0	902.6	860.0	803.4	727.3	678.2	672.1	709.9	712.9	705.1	643.4
32.5°	1066.6	1063.1	1009.6	922.2	828.2	771.7	775.6	829.1	850.0	836.5	764.3
35°	1260.6	1265.0	1181.0	1057.9	933.9	868.7	873.0	940.0	979.2	962.6	881.3
37.5°	1459.8	1461.1	1384.1	1217.5	1047.5	954.8	965.2	1047.0	1097.5	1084.0	972.2
40°	1586.0	1599.0	1525.1	1366.7	1167.1	1040.9	1049.6	1130.5	1160.1	1134.9	1003.5
42.5°	1696.5	1706.5	1631.2	1461.1	1258.0	1117.9	1114.9	1176.2	1218.8	1203.2	1067.9
45°	1750.8	1770.4	1702.6	1526.8	1321.9	1178.0	1154.5	1246.2	1341.1	1321.5	1172.3
47.5°	1711.3	1735.2	1706.5	1561.2	1350.6	1215.8	1221.0	1347.2	1469.8	1448.1	1286.3
50°	1582.1	1610.8	1620.3	1535.5	1358.0	1234.5	1290.2	1459.8	1624.3	1619.9	1426.3
52.5°	1426.3	1441.6	1483.3	1458.1	1330.6	1256.3	1365.0	1569.0	1783.5	1770.0	1542.5
55°	1282.4	1302.4	1336.7	1321.9	1262.8	1258.9	1424.2	1690.8	1952.7	1950.9	1688.6
57.5°	1084.0	1111.8	1184.0	1192.3	1174.9	1242.8	1467.2	1786.5	2102.3	2108.4	1835.2
60°	832.1	855.6	965.2	1052.7	1067.9	1204.9	1489.0	1891.8	2358.1	2389.8	2091.4
62.5°	674.7	679.0	762.1	871.3	974.8	1135.8	1492.5	2024.9	2581.7	2610.4	2245.0
65°	505.0	504.2	580.7	705.1	849.1	1054.9	1481.6	2066.6	2703.0	2776.5	2391.6
67°	405.8	415.4	464.6	582.9	740.4	979.2	1397.2	2035.8	2798.3	2879.2	2445.1
67.5°	390.2	395.0	439.8	551.6	715.6	956.5	1372.4	2027.9	2797.9	2866.6	2429.0
70°	311.5	318.0	350.6	424.6	572.4	808.2	1198.0	1846.1	2632.1	2732.2	2281.5
72.5°	240.5	245.8	268.8	324.9	435.9	650.7	990.9	1588.6	2279.3	2358.5	1934.4
75°	183.1	184.9	206.6	244.9	332.8	496.3	765.1	1251.0	1874.4	1934.4	1572.1
77.5°	141.8	145.7	162.3	187.9	247.1	373.7	575.9	974.4	1491.1	1482.0	1195.4
80°	110.5	114.0	126.1	144.0	185.3	274.5	421.5	720.3	1089.2	1100.1	875.2
82.5°	88.7	91.3	99.6	112.7	142.7	208.8	308.0	538.5	828.2	824.3	641.6
85°	70.9	72.6	78.7	90.0	110.1	158.3	227.5	400.2	584.6	589.4	438.0
87.5°	55.2	57.4	64.4	71.3	87.0	120.5	167.9	277.5	388.9	392.8	301.0
90°	43.1	44.4	50.5	57.9	70.5	91.3	121.4	190.1	250.6	245.8	193.6
92.5°	31.8	33.1	38.7	45.7	54.8	70.5	87.4	121.8	146.6	149.6	120.9
95°	22.6	23.9	28.7	33.9	41.8	53.5	62.2	77.4	90.0	87.4	77.4
97.5°	17.4	17.8	21.3	25.2	31.8	41.3	46.1	53.5	59.2	57.9	53.9
100°	13.9	14.4	17.0	19.1	24.8	32.6	37.0	40.9	44.4	43.1	41.3
102.5°	11.7	12.2	13.9	15.7	20.4	27.4	30.0	32.6	33.9	33.9	33.1
105°	10.0	10.4	11.7	13.5	17.4	22.6	24.4	25.7	27.0	26.5	26.5
107.5°	9.1	9.1	10.4	11.7	15.2	19.1	20.0	20.4	20.9	20.9	21.7



REPORT NUMBER: P415296

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	8.3	8.7	9.6	10.4	13.5	17.0	17.0	16.5	16.5	16.5	17.8
112.5°	7.8	8.3	8.7	10.0	12.6	14.8	14.4	13.5	13.5	13.9	15.2
115°	7.8	7.8	8.3	9.6	11.7	13.5	12.6	11.3	11.3	11.7	13.0
117.5°	7.8	7.8	8.7	9.6	11.3	12.2	11.3	10.0	9.6	10.0	11.3
120°	8.3	8.3	8.7	9.6	10.4	11.3	10.4	9.1	8.7	9.1	10.4
122.5°	8.7	8.7	8.7	9.6	10.0	10.4	9.6	8.3	7.8	8.3	9.6
125°	9.1	9.1	9.1	9.6	10.0	9.6	8.7	7.8	7.8	7.8	9.1
127.5°	10.0	10.0	10.0	10.0	9.6	9.1	8.3	7.4	7.8	7.8	8.7
130°	10.9	10.9	10.4	10.0	9.6	8.7	7.8	7.0	7.4	7.8	8.7
132.5°	11.3	10.9	10.4	9.6	9.1	7.8	7.0	6.5	7.0	7.4	8.3
135°	10.4	10.4	9.6	8.7	8.3	7.0	6.1	6.1	6.5	7.0	7.4
137.5°	9.1	9.1	8.7	7.8	7.4	6.5	5.7	5.2	6.1	6.5	7.0
140°	7.8	7.8	7.4	6.5	6.1	5.7	4.8	4.3	5.2	5.7	6.1
142.5°	6.5	6.5	6.1	5.2	5.2	4.8	3.9	3.9	4.8	4.8	5.2
145°	5.2	5.2	5.2	4.3	4.3	3.9	3.0	3.5	3.9	4.3	4.3
147.5°	4.3	4.3	4.3	3.5	3.5	3.0	2.2	2.6	3.0	3.5	3.5
150°	3.5	3.5	3.5	3.0	2.6	2.2	1.7	2.2	2.2	2.6	2.6
152.5°	2.6	2.6	2.6	2.2	2.2	1.3	1.3	1.7	1.7	2.2	2.2
155°	1.7	1.7	2.2	1.7	1.3	0.9	1.3	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.3	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3
160°	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P415296

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0	134.0
2.5°	133.1	132.2	130.1	127.9	125.7	124.0	121.8	121.4	121.4	120.5	120.5
5°	134.8	132.2	127.0	122.7	117.9	114.0	110.9	109.6	108.3	107.4	106.6
7.5°	138.8	134.4	125.7	118.8	111.8	105.7	101.4	99.2	97.9	96.6	97.0
10°	147.9	141.4	128.8	117.4	107.0	98.7	93.5	90.9	90.0	88.7	88.7
12.5°	167.5	158.8	140.5	121.4	105.3	94.0	87.9	87.0	87.9	89.2	89.2
15°	198.4	185.3	158.8	132.2	109.2	93.1	89.6	92.2	95.3	97.0	97.0
17.5°	236.2	218.4	180.5	144.9	114.8	100.9	96.6	100.0	104.0	106.6	106.6
20°	278.0	254.0	202.7	155.7	123.1	111.8	107.0	110.1	115.3	119.2	118.8
22.5°	332.3	297.5	228.4	165.3	133.1	121.8	118.8	122.7	130.5	135.7	136.2
25°	399.8	351.9	258.4	177.9	142.2	130.5	131.4	138.3	148.8	154.4	154.4
27.5°	471.5	411.1	284.0	190.5	151.8	139.6	144.0	153.6	164.9	171.4	172.3
30°	566.4	487.2	316.2	203.1	160.1	148.8	154.0	165.3	173.6	177.5	177.9
32.5°	662.9	559.4	341.9	216.2	167.9	155.3	160.1	171.0	178.3	182.7	182.3
35°	750.4	617.7	357.1	222.3	174.9	160.1	162.3	174.0	178.3	181.0	180.5
37.5°	817.3	659.4	362.8	223.6	177.5	162.3	163.1	173.1	179.2	184.0	183.1
40°	828.7	653.8	341.5	215.8	177.0	162.3	164.0	175.3	181.8	184.0	183.6
42.5°	870.4	669.5	323.2	201.8	171.8	161.8	165.7	176.2	179.2	177.9	176.6
45°	943.1	702.5	318.0	194.9	165.3	160.5	166.6	174.0	173.6	171.0	170.1
47.5°	1014.8	734.3	306.7	191.8	163.6	160.1	166.2	171.4	172.7	170.1	169.2
50°	1106.2	776.5	297.5	187.5	164.0	160.1	165.3	171.4	172.3	167.9	167.5
52.5°	1188.0	805.6	284.0	183.6	164.4	161.4	165.3	171.4	171.8	167.5	166.6
55°	1273.2	836.5	270.1	179.7	165.7	162.7	166.6	171.8	172.3	169.2	168.3
57.5°	1358.5	863.5	254.5	176.6	167.0	165.3	167.5	172.3	175.7	174.9	174.9
60°	1532.5	940.9	251.9	177.0	168.3	167.5	168.3	174.4	181.0	178.8	179.2
62.5°	1601.2	957.4	247.1	182.7	172.3	169.2	169.6	176.2	183.1	186.2	185.7
65°	1663.8	958.7	237.5	186.6	177.0	170.5	170.5	176.6	188.4	195.3	195.3
67°	1660.4	932.6	230.5	187.0	179.2	171.8	170.1	176.6	188.8	196.6	197.1
67.5°	1640.3	915.7	227.9	187.0	179.7	171.8	169.6	176.2	188.8	197.1	197.1
70°	1519.9	826.5	211.0	182.3	178.3	169.6	167.0	171.8	186.2	197.5	197.5
72.5°	1258.9	680.3	187.0	170.5	170.1	164.0	160.1	165.3	179.2	191.0	190.5
75°	1017.4	543.7	163.1	153.1	157.5	153.1	150.1	154.0	167.5	179.2	178.3
77.5°	760.4	408.5	140.9	136.6	142.7	139.6	137.0	140.9	154.0	165.3	163.6
80°	562.0	314.9	122.7	120.9	125.3	124.4	123.5	125.3	136.6	144.0	142.7
82.5°	413.7	239.7	105.7	104.4	109.6	109.6	109.6	110.9	119.2	121.8	120.5
85°	294.1	180.5	93.1	89.6	94.0	96.1	97.4	97.9	102.2	102.7	99.6
87.5°	207.1	142.2	83.5	76.1	78.3	83.1	85.3	84.8	86.6	85.3	82.2
90°	144.4	111.8	75.7	64.8	64.8	69.6	73.1	72.6	73.1	69.6	66.6
92.5°	101.8	84.4	63.9	53.5	52.6	57.4	60.5	60.0	60.0	56.5	53.5
95°	68.3	62.2	50.9	43.1	41.8	45.7	48.7	47.8	47.8	44.4	43.1
97.5°	50.5	47.4	41.8	36.5	33.9	36.1	38.3	38.3	38.7	36.5	35.2
100°	39.6	38.3	35.7	31.3	28.7	29.1	30.4	30.4	32.2	30.4	29.6
102.5°	33.1	32.2	30.0	27.0	24.8	24.4	25.2	25.7	27.8	26.5	26.1
105°	27.4	27.0	25.7	23.1	21.3	21.3	21.3	21.7	23.9	23.1	23.1
107.5°	22.2	22.2	22.2	20.0	18.7	18.7	18.3	18.7	20.4	20.4	20.4



REPORT NUMBER: P415296

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.7	18.7	19.1	17.4	16.5	16.5	16.1	16.5	18.3	18.7	18.7
112.5°	16.1	16.1	16.5	15.7	14.8	14.8	14.4	14.4	16.1	17.4	17.4
115°	13.9	14.4	14.4	13.9	13.5	13.0	12.6	13.0	14.8	16.1	16.1
117.5°	12.2	12.6	13.0	12.6	12.2	11.7	11.3	11.7	13.5	15.2	15.2
120°	10.9	11.3	11.7	11.7	11.3	10.9	10.0	10.9	12.2	13.9	14.4
122.5°	10.0	10.4	10.4	10.4	10.4	9.6	9.1	9.6	10.9	12.6	13.0
125°	9.6	9.6	10.0	10.0	9.6	8.7	8.3	8.7	9.6	10.9	11.3
127.5°	9.1	9.1	9.6	9.6	8.7	7.8	7.4	7.8	8.7	9.6	9.6
130°	9.1	9.1	9.1	8.7	8.3	7.4	6.5	7.0	7.8	8.7	8.7
132.5°	8.7	8.3	8.3	8.3	7.4	6.5	6.1	6.1	7.0	7.8	7.8
135°	7.8	7.8	7.4	7.4	7.0	5.7	5.2	5.2	6.1	7.0	7.0
137.5°	7.0	7.0	6.5	6.5	6.1	5.2	4.3	4.8	5.7	5.7	6.1
140°	6.1	6.1	5.7	5.7	5.2	4.3	3.5	3.9	4.8	4.8	5.2
142.5°	5.2	5.2	5.2	4.8	4.3	3.5	3.0	3.5	4.3	4.3	4.3
145°	4.3	4.3	4.3	3.9	3.5	2.6	2.2	3.0	3.9	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	2.6	2.2	1.7	2.6	3.0	3.0	3.0
150°	2.6	2.6	2.6	2.6	2.2	1.3	1.3	2.2	2.6	2.6	2.6
152.5°	2.2	2.2	2.2	2.6	2.2	0.9	0.9	1.7	2.2	2.2	2.2
155°	1.7	1.7	2.2	2.2	1.7	0.9	0.4	1.3	1.7	1.7	1.7
157.5°	1.3	1.3	1.7	1.7	1.3	0.9	0.4	0.9	1.7	1.3	1.3
160°	0.9	1.3	1.3	1.3	1.3	0.9	0.0	0.9	1.3	0.9	0.9
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)