

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: P415305

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3772 lumens
Efficiency: N/A
Efficacy: 94.3 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: B1 - U3 - G2

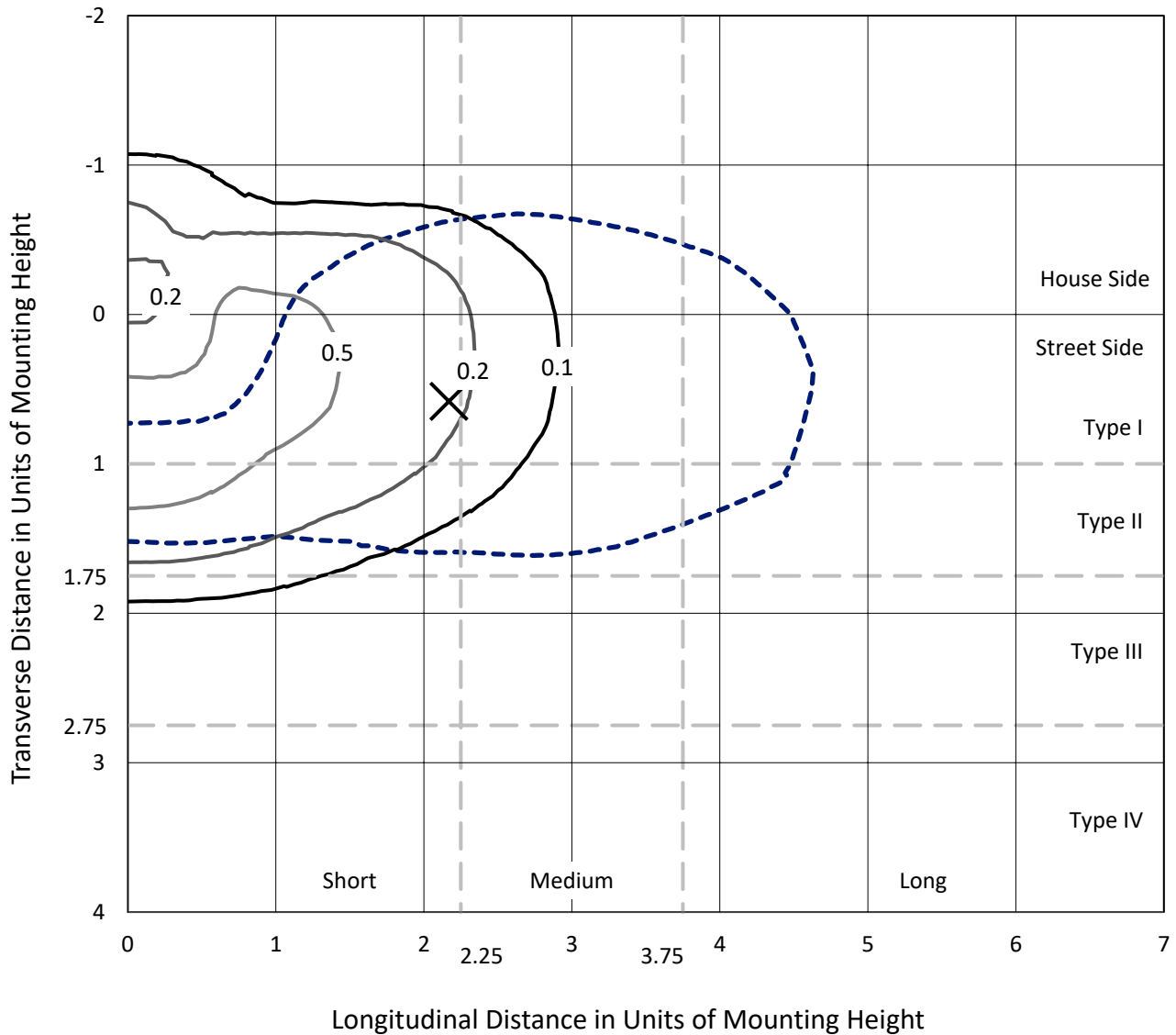
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415305
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

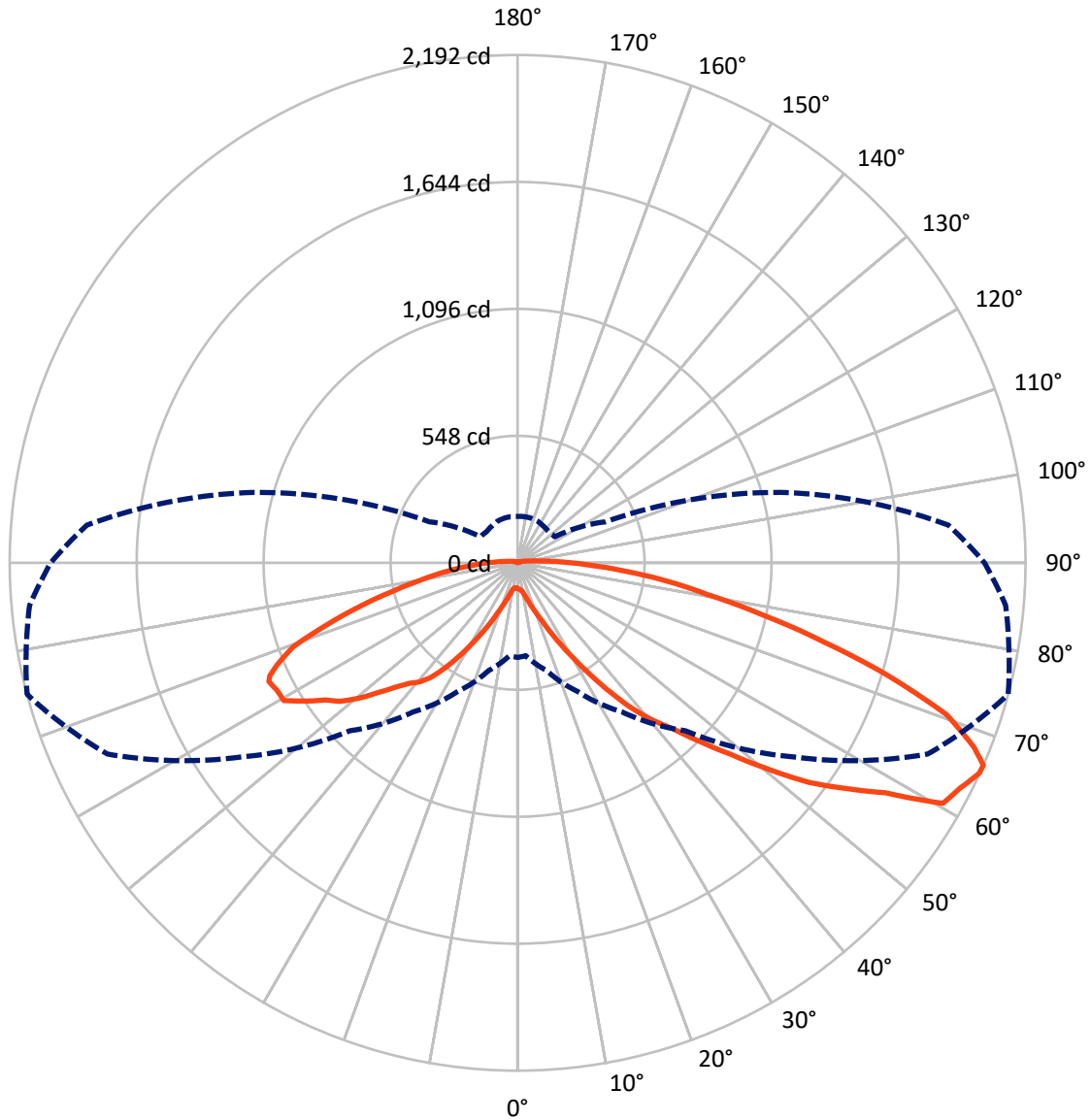
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415305
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P415305

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

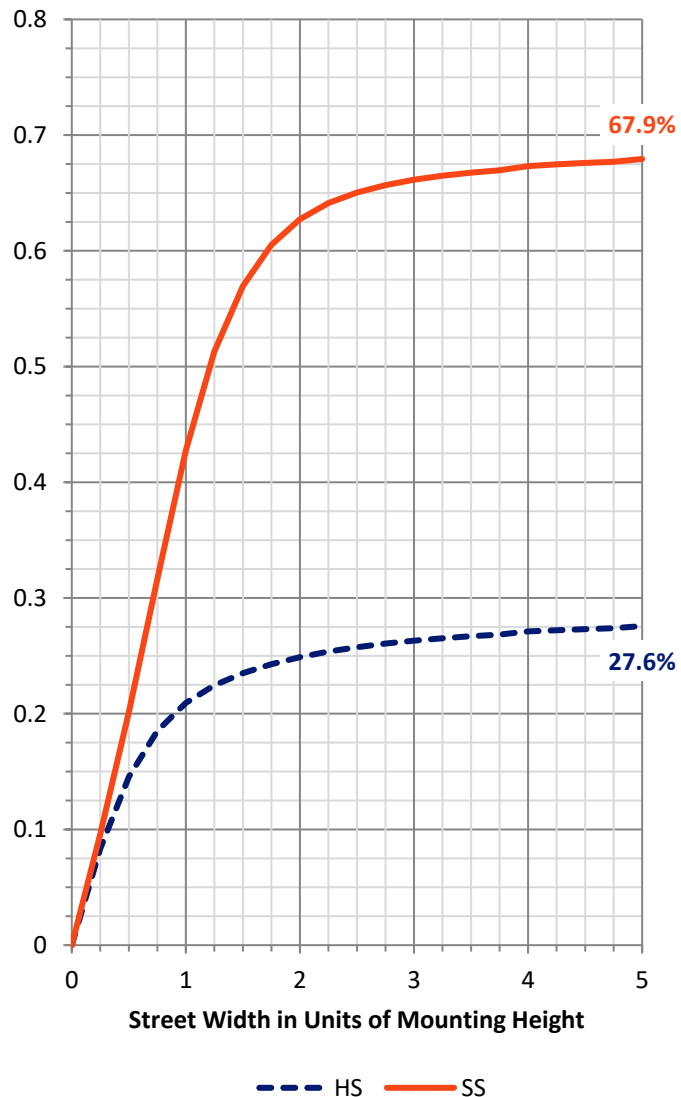
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.3	52.3	1123.6
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2596.6	51.7	2648.4
	% Fixture	68.8	1.4	70.2
Total	Lumens	3668.0	104.0	3772.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.3
10°-20°	47.4	1.3
20°-30°	143.8	3.8
30°-40°	355.6	9.4
40°-50°	642.1	17.0
50°-60°	867.6	23.0
60°-70°	870.9	23.1
70°-80°	526.0	13.9
80°-90°	203.4	5.4
90°-100°	60.4	1.6
100°-110°	21.8	0.6
110°-120°	10.6	0.3
120°-130°	6.2	0.2
130°-140°	3.7	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3668.0	97.2
0°-180°	3772.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415305

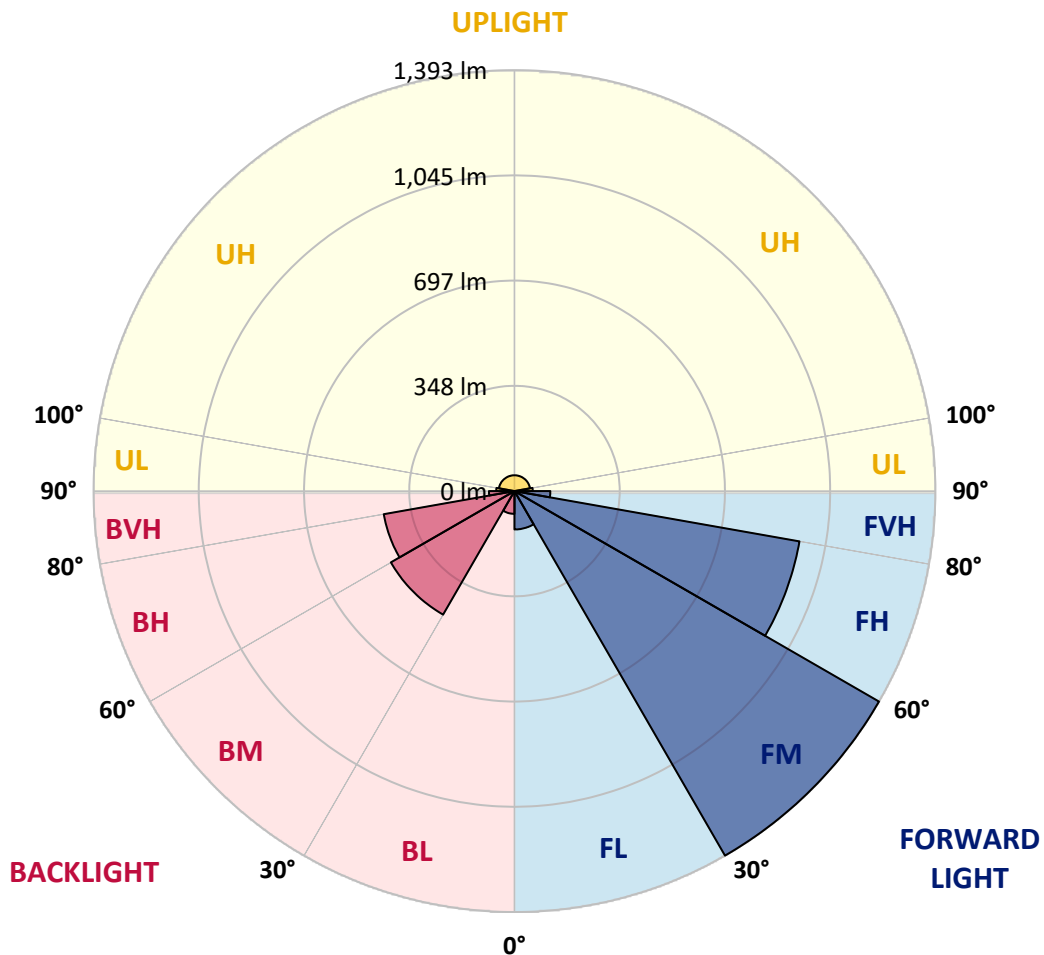
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.1	3.4			
FM (30°-60°)	1393.1	36.9			
FH (60°-80°)	957.7	25.4			G1/1800
FVH (80°-90°)	118.8	3.1			G2/225
BL (0°-30°)	75.3	2.0	B0/110		
BM (30°-60°)	472.2	12.5	B1/1000		
BH (60°-80°)	439.2	11.6	B1/500		G1/500
BVH (80°-90°)	84.6	2.2			G1/100
UL (90°-100°)	60.4	1.6		U3/500	
UH (100°-180°)	52.3	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P415305

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
2.5°	122.7	121.8	120.9	120.1	119.2	118.3	116.6	114.4	112.7	112.7	110.9
5°	134.0	133.1	131.8	130.1	128.3	126.6	123.1	119.6	116.1	116.1	113.1
7.5°	147.9	147.5	145.7	143.5	139.6	135.7	131.4	126.1	121.4	120.9	117.0
10°	165.7	164.9	162.3	159.2	154.9	149.6	143.5	137.0	130.1	129.6	124.8
12.5°	190.5	188.8	184.4	179.7	171.4	166.2	159.2	153.1	147.9	146.6	140.1
15°	222.7	220.5	215.8	207.5	196.6	187.0	183.1	176.6	171.0	169.2	163.1
17.5°	264.0	261.9	253.6	240.6	229.2	219.7	211.0	204.4	199.7	199.2	190.5
20°	320.6	315.4	301.9	283.6	268.8	257.1	244.9	237.5	232.7	231.0	225.8
22.5°	390.2	388.9	369.7	345.8	321.5	300.1	286.7	278.4	274.9	275.4	272.3
25°	478.9	475.0	456.7	421.9	385.4	358.4	339.7	334.5	334.1	331.0	329.7
27.5°	573.8	568.5	544.6	511.1	462.8	426.3	405.4	399.8	401.1	397.6	400.2
30°	689.9	687.3	652.5	603.8	551.6	503.7	482.0	477.2	480.2	484.6	482.0
32.5°	833.4	837.4	790.0	724.3	651.2	595.9	572.0	570.3	574.6	573.8	572.5
35°	1008.3	1015.3	949.6	870.0	769.5	703.8	673.8	671.6	680.3	679.5	680.3
37.5°	1195.4	1198.4	1144.9	1018.8	901.7	810.8	786.0	783.4	791.7	786.9	782.1
40°	1342.8	1357.2	1294.5	1186.2	1033.5	940.9	910.9	896.5	889.1	883.9	849.1
42.5°	1482.5	1473.8	1429.4	1308.9	1168.8	1067.9	1027.9	1000.9	977.0	973.5	935.2
45°	1573.8	1562.9	1520.7	1409.4	1278.0	1194.5	1157.5	1124.9	1097.9	1085.7	1039.6
47.5°	1579.0	1573.8	1563.8	1480.3	1365.4	1292.8	1280.6	1263.2	1233.6	1234.1	1174.9
50°	1499.4	1491.2	1520.3	1488.6	1408.9	1370.7	1416.8	1435.9	1398.1	1394.2	1332.8
52.5°	1358.5	1354.1	1407.2	1438.5	1410.3	1425.0	1534.7	1604.3	1574.7	1559.0	1479.9
55°	1215.8	1221.0	1267.1	1317.6	1364.1	1440.7	1639.1	1777.8	1719.5	1709.1	1610.4
57.5°	1021.4	1038.8	1107.5	1186.7	1259.7	1419.0	1693.9	1887.9	1873.1	1869.2	1784.8
60°	808.2	806.5	908.3	1023.5	1143.6	1347.2	1696.9	2026.2	2108.4	2089.7	1970.5
62.5°	627.7	632.0	705.1	849.5	1010.5	1238.0	1655.2	2088.0	2142.8	2121.5	2017.5
65°	454.6	461.5	550.7	667.3	849.1	1090.5	1536.4	2004.0	2189.3	2176.3	2117.6
66°	408.5	402.4	480.7	612.9	785.6	1025.3	1461.6	1953.1	2191.9	2184.5	2114.5
67.5°	328.4	336.3	396.7	512.0	683.4	921.3	1326.3	1871.8	2124.1	2114.1	2067.1
70°	243.2	250.6	291.9	384.1	518.5	734.7	1096.6	1616.9	1964.0	1971.4	1966.2
72.5°	180.1	187.9	216.2	282.7	383.7	546.4	869.1	1362.8	1679.5	1696.9	1684.7
75°	140.1	143.1	166.6	213.1	280.6	385.0	642.9	1056.2	1367.2	1399.4	1410.7
77.5°	112.7	115.3	134.4	164.4	210.1	281.0	450.7	787.3	1082.3	1104.9	1126.2
80°	90.9	92.7	108.3	132.2	160.9	201.0	304.1	572.0	830.4	843.5	874.8
82.5°	73.1	74.4	85.7	106.1	128.8	152.7	216.2	399.3	652.1	664.2	703.8
85°	57.4	58.3	68.3	84.4	103.5	120.9	156.2	282.3	469.8	481.1	529.0
87.5°	45.2	46.1	53.9	65.7	83.5	95.7	115.3	190.1	317.1	333.2	387.6
90°	35.7	36.1	41.8	50.9	64.8	77.9	90.5	132.7	211.4	220.5	251.0
92.5°	27.0	27.4	31.8	38.7	50.5	61.8	69.2	91.8	135.3	139.2	160.9
95°	20.0	20.4	23.9	28.3	37.8	48.3	53.5	64.4	85.3	90.5	96.1
97.5°	15.7	16.1	18.3	20.9	27.8	37.8	42.6	47.4	58.3	60.0	64.4
100°	13.5	13.5	14.8	16.5	20.9	29.6	33.5	37.4	43.9	43.9	46.5
102.5°	11.3	11.3	12.2	13.0	17.0	23.5	27.0	29.6	33.1	33.5	35.7
105°	10.0	10.0	10.4	11.3	14.4	19.1	22.2	23.5	25.7	25.7	26.5
107.5°	8.7	8.7	9.1	9.6	12.6	16.1	17.8	18.3	19.1	19.1	20.4



REPORT NUMBER: P415305

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	8.3	8.3	8.3	8.7	10.9	13.9	14.8	14.4	14.8	14.8	16.1
112.5°	7.8	7.4	7.4	7.8	10.0	12.2	12.2	11.7	11.7	11.7	13.0
115°	7.4	7.4	7.0	7.4	9.1	10.4	10.4	9.6	9.6	9.6	10.9
117.5°	7.4	7.4	7.0	7.0	8.3	9.6	9.1	8.3	7.8	8.3	9.6
120°	7.4	7.4	6.5	6.5	7.8	8.3	8.3	7.0	7.0	7.0	8.3
122.5°	7.4	7.4	6.5	6.5	7.4	7.8	7.4	6.1	6.1	6.1	7.4
125°	7.8	7.4	6.5	6.5	7.0	7.0	6.5	5.7	5.2	5.2	6.5
127.5°	7.8	7.8	7.0	6.5	6.5	6.5	6.1	5.2	4.8	4.8	6.1
130°	8.7	8.3	7.4	6.5	6.1	5.7	5.2	4.8	4.8	4.8	5.7
132.5°	8.7	8.7	7.4	6.1	5.7	5.2	4.8	3.9	4.3	4.3	5.2
135°	8.3	7.8	6.5	5.7	5.2	4.3	3.9	3.5	3.9	3.9	4.8
137.5°	7.4	7.0	6.1	4.8	4.3	3.5	3.0	2.6	3.0	3.0	3.9
140°	6.1	6.1	4.8	3.9	3.5	3.0	2.6	1.7	2.2	2.6	3.0
142.5°	5.2	4.8	3.9	3.0	2.6	2.2	1.7	1.3	1.7	1.7	2.2
145°	4.3	3.9	3.0	2.2	1.7	1.3	0.9	0.9	0.9	0.9	1.3
147.5°	3.5	3.0	2.2	1.3	0.9	0.9	0.4	0.4	0.9	0.9	0.9
150°	2.6	2.6	1.7	0.9	0.4	0.4	0.0	0.4	0.4	0.4	0.4
152.5°	2.2	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.0	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: P415305

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4	111.4
2.5°	110.5	109.6	108.7	107.9	107.0	106.6	105.3	104.4	104.4	104.4	104.0
5°	111.8	110.1	107.9	106.1	104.0	102.2	100.9	99.6	98.7	98.7	98.7
7.5°	114.8	113.1	109.2	105.7	102.7	100.0	98.3	97.0	96.6	96.1	96.1
10°	121.8	118.8	113.5	108.3	104.0	100.5	98.7	97.9	97.4	97.4	97.4
12.5°	137.5	133.1	125.3	116.6	109.2	104.0	102.2	102.2	104.8	106.1	106.1
15°	158.3	154.4	145.3	133.1	121.4	112.7	111.4	114.4	117.9	119.6	119.2
17.5°	187.0	181.8	169.6	153.6	137.9	129.2	125.3	128.3	132.7	134.8	134.8
20°	221.0	215.8	199.2	177.5	158.3	148.8	142.7	142.7	148.3	150.1	150.9
22.5°	267.5	259.7	236.2	206.2	181.4	166.6	159.2	157.9	164.4	167.5	166.6
25°	319.7	313.6	286.2	241.4	209.2	185.3	175.3	175.3	183.6	190.5	191.0
27.5°	392.8	377.6	339.3	284.5	236.2	202.7	191.8	194.0	202.7	209.7	209.7
30°	469.4	458.5	402.4	330.2	262.3	218.8	203.1	206.6	214.5	222.3	222.3
32.5°	562.0	543.7	474.6	375.4	286.2	229.2	209.2	214.0	223.2	231.0	231.0
35°	652.5	637.7	547.2	422.8	307.1	233.6	211.8	217.5	227.9	237.5	238.4
37.5°	757.8	725.6	618.1	465.4	322.3	234.5	211.0	221.0	234.9	245.8	246.2
40°	820.8	782.1	666.0	497.2	329.3	231.4	211.0	223.6	235.3	239.2	238.8
42.5°	895.7	846.9	699.5	501.1	320.6	225.3	210.5	220.5	225.8	225.8	225.3
45°	996.1	941.3	752.5	503.3	302.8	217.9	207.1	213.6	212.3	208.4	207.1
47.5°	1119.2	1052.7	820.0	511.1	285.4	210.5	203.1	204.9	198.8	190.1	189.7
50°	1266.3	1188.0	899.1	519.4	270.1	204.4	199.7	197.9	191.8	184.4	183.6
52.5°	1404.2	1309.8	970.9	525.0	257.5	200.5	197.1	196.6	190.5	181.0	180.1
55°	1529.0	1415.9	1019.2	514.2	246.2	198.8	197.1	197.5	189.7	180.1	178.8
57.5°	1709.5	1585.6	1095.8	498.1	232.7	198.4	198.4	198.8	189.2	180.1	178.8
60°	1866.6	1728.7	1171.0	496.8	219.7	197.9	198.8	198.4	191.4	185.7	184.4
62.5°	1920.5	1789.1	1174.5	465.4	211.4	195.7	197.1	199.2	197.9	195.3	194.0
65°	2022.3	1878.7	1189.3	430.2	199.7	191.8	194.9	200.5	201.4	199.7	198.4
66°	2014.9	1866.1	1174.9	419.3	195.7	189.7	193.6	199.7	201.4	201.0	200.1
67.5°	1978.4	1833.5	1127.5	388.5	190.1	185.7	191.4	197.5	201.4	202.7	201.8
70°	1879.6	1735.2	1033.1	341.9	179.2	176.6	184.4	192.3	198.8	201.0	200.5
72.5°	1601.7	1464.2	864.3	291.9	164.0	163.6	172.7	182.3	190.1	192.3	191.4
75°	1344.6	1209.3	709.9	240.6	148.3	148.8	157.5	166.6	172.7	172.7	173.1
77.5°	1077.9	963.5	562.4	199.7	132.2	132.2	138.3	145.7	149.6	147.9	145.3
80°	829.1	753.4	439.3	167.0	116.1	115.3	118.3	124.0	127.0	123.1	120.1
82.5°	669.5	604.2	347.6	139.2	100.5	99.6	100.9	104.8	106.6	102.2	100.9
85°	508.1	449.3	261.4	114.4	87.0	84.8	87.0	87.9	90.0	86.1	83.5
87.5°	359.3	318.4	189.7	95.3	74.4	73.1	72.6	73.5	74.8	72.2	70.9
90°	241.4	211.8	137.0	79.6	63.5	61.3	60.5	60.5	61.3	57.0	55.7
92.5°	154.9	137.0	95.3	63.5	53.1	50.5	48.7	49.2	48.7	44.4	43.5
95°	96.6	87.4	68.7	50.0	42.6	40.5	38.7	38.3	37.8	34.8	33.9
97.5°	63.1	60.0	51.3	39.6	33.9	32.2	31.3	30.9	30.9	28.7	27.4
100°	47.0	45.7	40.5	33.1	27.8	26.5	25.7	25.7	26.5	24.8	23.9
102.5°	36.5	37.0	33.1	27.8	23.5	22.6	21.7	21.7	22.6	21.7	21.3
105°	27.8	27.8	27.0	23.1	20.0	19.6	18.7	18.7	19.6	19.6	19.6
107.5°	21.7	22.6	21.7	19.1	17.4	17.0	16.1	16.1	17.0	17.4	17.8



REPORT NUMBER: P415305

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.4	18.3	17.8	16.5	15.2	14.8	13.9	13.5	14.4	15.7	15.7
112.5°	13.9	14.8	14.8	13.9	13.0	13.0	12.2	11.7	12.6	13.9	13.9
115°	11.7	12.6	12.6	12.2	11.7	11.3	10.4	10.0	10.9	12.2	12.6
117.5°	10.0	10.9	10.9	10.9	10.4	10.0	9.1	8.7	9.1	10.4	10.9
120°	9.1	9.6	9.6	9.6	9.1	9.1	8.3	7.8	8.3	9.6	9.6
122.5°	7.8	8.3	8.7	8.7	8.3	8.3	7.4	6.5	7.0	8.3	8.7
125°	7.0	7.4	7.8	7.8	7.4	7.4	6.5	6.1	6.5	7.4	7.8
127.5°	6.5	7.0	7.0	7.0	7.0	6.5	5.7	5.2	5.7	7.0	7.0
130°	6.1	6.5	6.5	6.5	6.1	5.7	5.2	4.8	5.2	6.5	6.5
132.5°	5.7	6.1	6.1	5.7	5.7	5.2	4.3	3.9	4.8	5.7	5.7
135°	4.8	5.2	5.2	5.2	4.8	4.3	3.9	3.5	4.3	4.8	4.8
137.5°	3.9	4.3	4.3	4.3	3.9	3.5	3.0	3.0	3.5	4.3	4.3
140°	3.0	3.5	3.5	3.5	3.0	3.0	2.6	2.2	3.0	3.5	3.5
142.5°	2.2	2.6	2.6	2.6	2.2	2.2	1.7	1.7	2.6	3.0	3.0
145°	1.3	1.7	1.7	1.7	1.7	1.3	1.3	1.3	1.7	2.2	2.2
147.5°	0.9	1.3	1.3	1.3	1.3	0.9	0.4	0.9	1.3	1.7	1.7
150°	0.4	0.9	0.9	0.9	0.9	0.4	0.0	0.4	0.9	1.3	1.3
152.5°	0.4	0.4	0.9	0.9	0.4	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.0
157.5°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)