

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: P415323

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3780 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

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

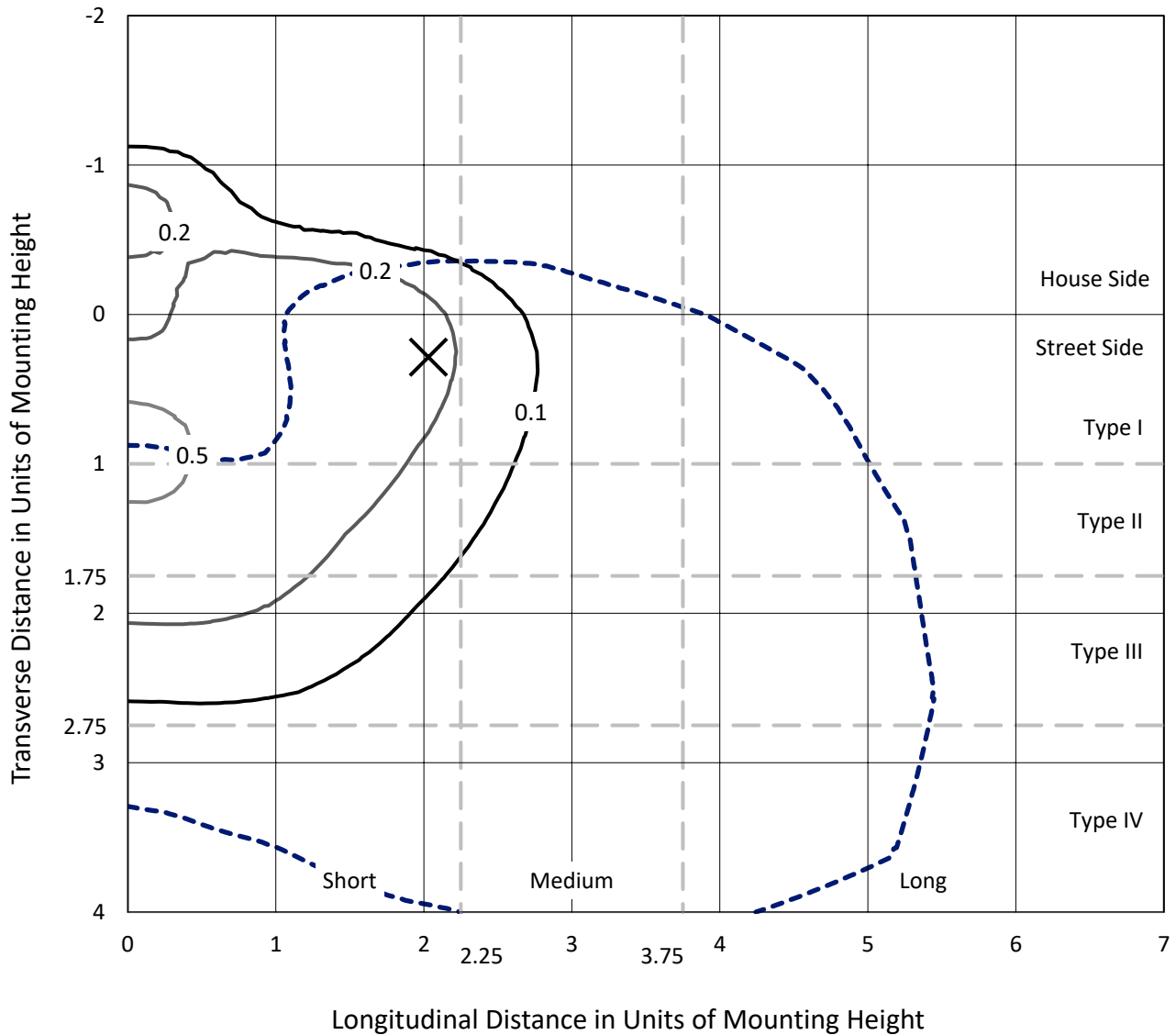


REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

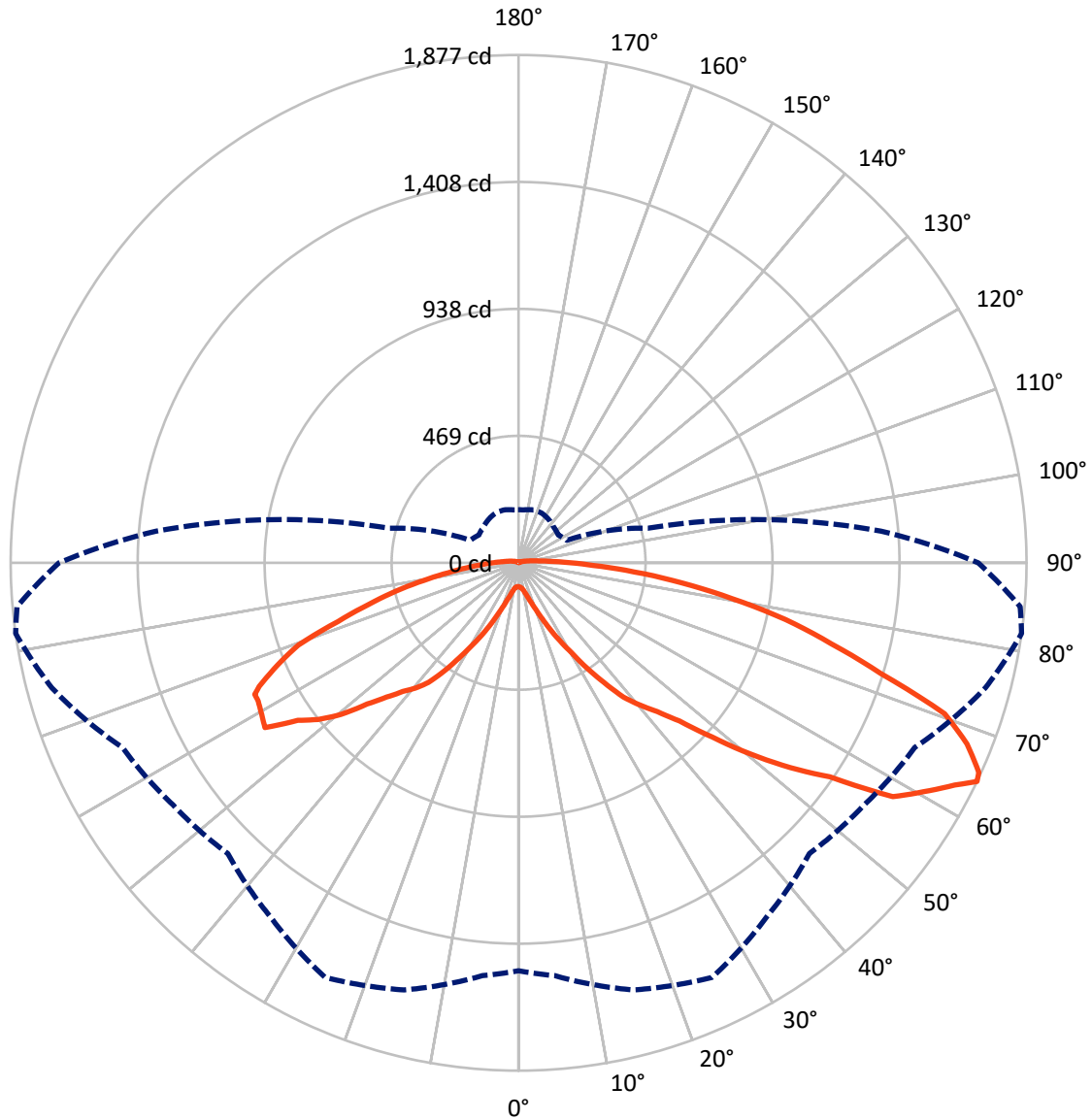


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

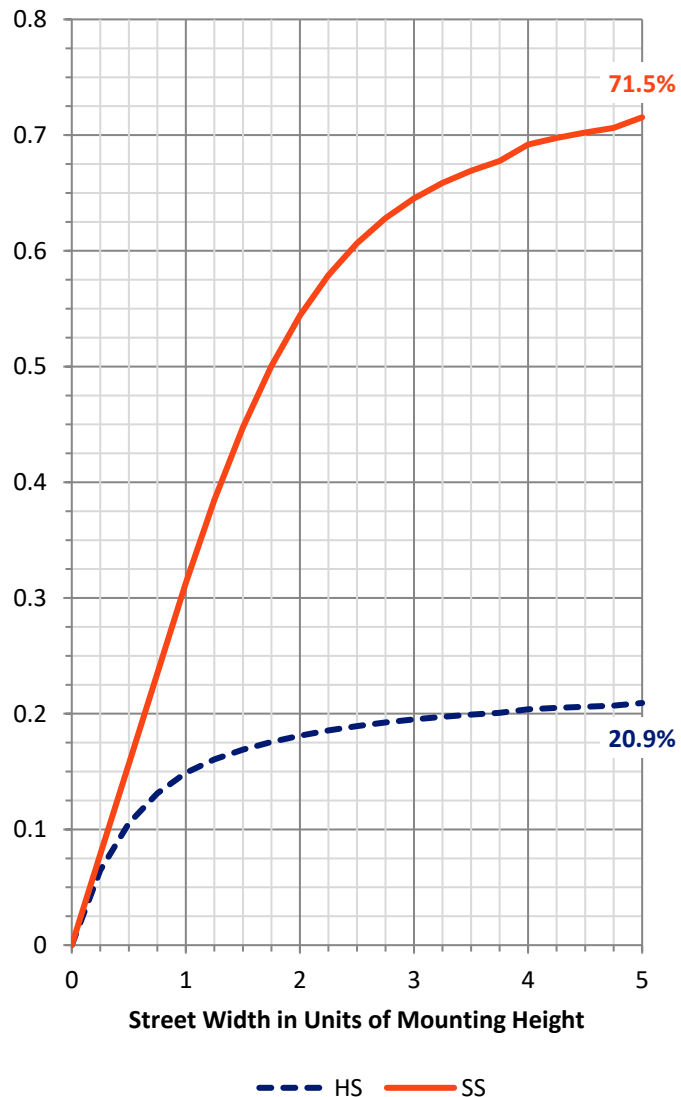
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.9	62.3	893.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2805.2	81.6	2886.8
	% Fixture	74.2	2.2	76.4
Total	Lumens	3636.2	143.8	3780.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.2
10°-20°	38.9	1.0
20°-30°	112.0	3.0
30°-40°	257.2	6.8
40°-50°	451.8	12.0
50°-60°	725.7	19.2
60°-70°	974.1	25.8
70°-80°	744.8	19.7
80°-90°	322.6	8.5
90°-100°	90.6	2.4
100°-110°	27.5	0.7
110°-120°	12.1	0.3
120°-130°	6.9	0.2
130°-140°	4.2	0.1
140°-150°	1.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3636.2	96.2
0°-180°	3780.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415323

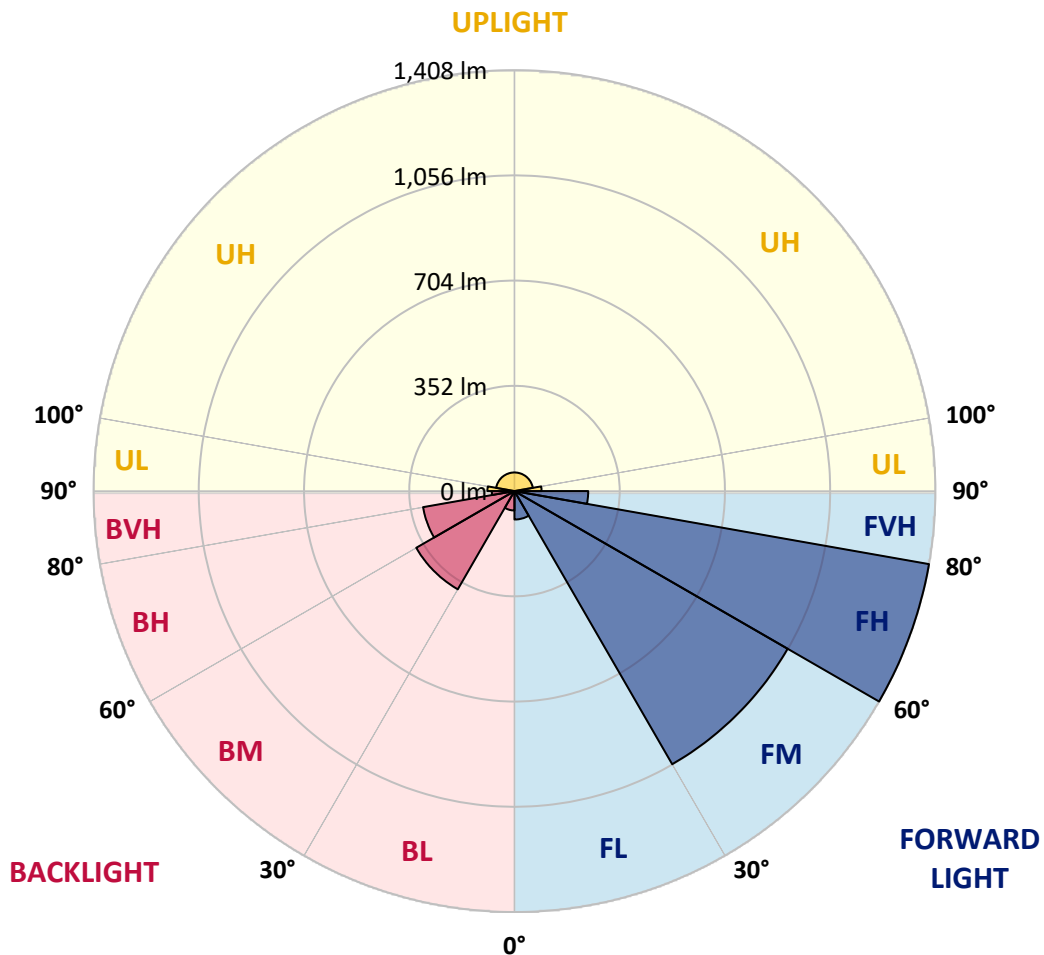
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.2	2.5			
FM (30°-60°)	1055.2	27.9			
FH (60°-80°)	1408.3	37.3			G1/1800
FVH (80°-90°)	246.6	6.5			G3/500
BL (0°-30°)	64.9	1.7	B0/110		
BM (30°-60°)	379.5	10.0	B1/1000		
BH (60°-80°)	310.6	8.2	B1/500		G1/500
BVH (80°-90°)	76.0	2.0			G1/100
UL (90°-100°)	90.6	2.4		U3/500	
UH (100°-180°)	62.3	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
2.5°	94.8	94.4	94.4	94.8	94.8	94.0	92.2	90.9	89.6	89.2	88.8
5°	103.5	103.1	102.7	103.1	101.8	100.5	97.9	95.3	93.5	91.8	91.4
7.5°	115.3	114.9	114.4	113.5	111.8	109.2	105.3	101.8	98.8	96.6	95.7
10°	130.5	128.8	128.3	126.6	123.6	119.2	114.9	110.5	107.0	104.0	102.7
12.5°	151.4	151.4	147.9	144.0	138.8	132.3	126.6	123.1	119.6	117.9	115.3
15°	177.1	176.2	172.7	166.2	157.5	150.1	144.0	139.7	137.5	134.4	133.1
17.5°	205.3	203.6	200.6	190.6	180.1	172.3	165.3	161.0	159.7	157.1	156.6
20°	242.3	239.7	232.3	220.1	205.8	197.1	190.6	185.8	185.3	186.2	185.8
22.5°	286.3	284.5	275.4	253.2	237.1	224.5	215.8	216.7	222.3	224.9	221.4
25°	338.9	340.6	325.4	295.8	274.5	253.2	249.7	254.5	267.1	274.1	274.5
27.5°	401.1	400.7	380.7	348.0	315.0	291.0	285.4	299.3	317.2	327.2	327.2
30°	470.7	476.8	448.5	405.9	359.8	331.5	327.2	348.5	367.2	385.0	390.2
32.5°	563.4	562.1	525.5	474.2	412.9	372.8	369.4	396.3	438.5	463.3	463.3
35°	678.7	673.9	623.0	546.0	463.8	419.0	419.4	456.8	512.5	542.9	546.0
37.5°	777.9	781.8	730.5	636.9	529.5	471.6	476.8	527.3	594.3	630.0	642.1
40°	884.0	885.3	828.8	727.0	600.4	527.7	540.3	598.6	662.1	691.7	703.5
42.5°	977.6	985.4	928.8	817.5	672.2	596.5	602.5	653.4	716.5	751.8	768.3
45°	1042.0	1046.3	1011.5	900.6	750.0	666.5	665.6	713.1	794.4	833.6	860.1
47.5°	1129.4	1141.1	1091.1	984.1	830.1	737.8	730.5	791.4	898.4	961.9	984.5
50°	1232.1	1249.9	1214.7	1085.5	921.4	821.8	823.1	895.8	1027.6	1110.7	1134.2
52.5°	1334.3	1341.3	1317.8	1207.3	1027.6	919.7	930.1	1021.1	1172.5	1257.7	1272.1
55°	1389.1	1399.1	1406.1	1318.6	1155.1	1035.9	1054.1	1163.8	1296.0	1396.1	1428.7
57.5°	1441.3	1455.2	1473.5	1413.9	1281.7	1179.4	1197.3	1294.7	1487.9	1630.6	1655.4
60°	1529.6	1541.8	1577.1	1528.3	1397.8	1316.5	1335.2	1472.2	1620.1	1718.5	1721.1
62.5°	1528.3	1547.5	1632.8	1644.9	1522.2	1448.3	1494.0	1567.9	1685.0	1808.5	1805.9
64°	1507.5	1531.4	1634.1	1690.6	1597.9	1519.6	1559.2	1614.9	1785.5	1876.8	1860.3
65°	1492.7	1519.2	1630.1	1702.4	1639.3	1560.1	1589.7	1654.1	1814.6	1869.0	1846.4
67.5°	1411.3	1440.9	1587.9	1701.1	1681.9	1623.6	1633.2	1693.2	1766.3	1787.6	1747.2
70°	1265.6	1281.2	1448.3	1629.7	1639.7	1584.0	1610.1	1641.0	1681.0	1670.6	1617.5
72.5°	998.9	1031.1	1199.9	1458.3	1515.3	1475.3	1485.3	1500.5	1460.0	1400.0	1336.9
75°	711.3	740.0	897.5	1150.3	1319.5	1303.4	1317.3	1293.0	1248.2	1193.3	1131.6
77.5°	494.7	503.8	633.9	867.9	1054.6	1103.7	1133.7	1099.4	1074.1	1008.5	958.9
80°	320.2	335.4	417.2	628.7	835.7	936.2	984.5	962.3	903.6	798.8	742.2
82.5°	198.4	210.6	275.0	446.4	662.6	802.2	848.8	818.3	724.4	607.3	550.8
85°	113.5	116.2	161.0	290.6	484.2	637.4	699.6	650.8	541.6	428.5	378.9
87.5°	65.3	67.4	96.1	177.9	335.0	480.3	539.5	468.6	363.7	275.4	242.8
90°	41.8	44.4	62.2	116.2	215.8	343.3	386.8	321.5	243.6	174.5	153.6
92.5°	28.7	30.0	41.8	72.2	139.2	226.7	258.4	214.9	151.8	111.4	98.8
95°	20.9	21.8	29.6	49.2	89.6	142.3	159.7	136.2	99.6	74.0	66.1
97.5°	17.0	17.4	23.1	36.1	61.8	90.5	95.7	84.8	66.1	52.6	49.6
100°	14.4	14.8	19.1	27.8	43.9	59.2	60.5	57.0	46.6	39.2	37.4
102.5°	13.1	13.1	16.1	22.6	33.1	42.2	42.2	39.2	32.2	28.7	28.7
105°	11.7	11.7	13.9	18.7	26.1	32.6	32.2	28.7	24.4	21.8	22.2
107.5°	10.4	10.4	12.2	15.2	21.3	25.7	24.8	21.3	18.7	17.0	17.4



REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	9.6	9.6	10.9	13.1	17.8	21.3	20.0	16.5	13.9	13.9	14.4
112.5°	8.7	8.7	9.6	11.7	15.2	17.4	16.1	13.1	11.3	11.3	11.7
115°	7.8	7.8	8.7	10.4	13.5	14.8	13.5	10.4	9.1	9.6	10.4
117.5°	7.4	7.4	8.3	9.6	11.7	12.6	11.3	8.7	7.8	8.7	9.1
120°	7.0	7.0	7.8	9.1	10.9	11.3	9.6	7.8	7.0	7.8	8.3
122.5°	7.0	7.0	7.4	8.7	10.0	10.0	8.7	7.0	6.1	7.0	7.4
125°	7.0	7.0	7.4	8.3	9.1	9.1	7.8	6.1	5.7	6.5	6.5
127.5°	7.4	7.4	7.8	8.3	8.7	8.3	7.0	5.7	5.2	6.1	6.1
130°	7.4	7.4	7.4	7.8	7.8	7.4	6.1	5.2	5.2	5.7	6.1
132.5°	7.4	7.4	7.4	7.4	7.4	6.5	5.7	4.8	5.2	5.7	6.1
135°	7.0	7.0	7.0	7.0	6.5	5.7	4.8	3.9	4.8	5.2	5.2
137.5°	6.1	6.5	6.1	6.1	6.1	5.2	3.9	3.5	3.9	4.8	4.8
140°	5.7	5.7	5.7	5.7	5.2	4.4	3.5	2.6	3.0	3.9	3.9
142.5°	5.2	5.2	5.2	4.8	4.8	3.9	2.6	2.2	2.6	3.0	3.0
145°	4.4	4.4	4.4	4.4	3.9	3.0	2.2	1.7	2.2	2.6	2.6
147.5°	3.5	3.5	3.5	3.5	3.0	2.6	1.7	1.7	2.2	2.2	2.2
150°	2.6	3.0	3.0	3.0	2.6	2.2	1.3	1.3	1.7	2.2	2.2
152.5°	2.2	2.2	2.2	2.6	2.2	1.3	0.9	1.3	1.7	1.7	1.7
155°	1.3	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.3	1.7	1.7
157.5°	0.9	0.9	1.3	1.3	1.3	1.3	0.9	0.9	1.3	1.3	1.3
160°	0.4	0.4	0.9	1.3	1.3	1.3	0.9	0.9	1.3	1.3	1.3
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: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
2.5°	88.3	87.9	87.0	86.1	85.7	85.7	84.8	84.4	83.1	83.1	82.7
5°	90.1	89.2	87.4	85.7	84.4	84.0	83.1	81.8	80.9	80.5	80.5
7.5°	94.0	92.7	89.2	87.0	85.3	84.0	83.1	81.8	80.9	80.5	80.5
10°	100.5	98.3	94.4	90.5	87.9	86.1	85.3	84.8	84.4	84.0	84.0
12.5°	113.1	110.1	103.5	98.8	93.5	90.9	90.1	90.9	93.1	94.0	94.4
15°	130.5	126.6	118.8	110.1	102.2	97.9	99.6	104.0	107.9	109.6	109.2
17.5°	152.3	146.2	136.6	124.9	114.0	111.8	113.5	118.3	124.0	126.6	126.2
20°	180.1	175.3	161.0	141.8	129.6	126.2	127.5	133.6	141.8	144.4	145.3
22.5°	218.4	211.4	189.2	162.7	146.6	140.1	141.4	149.2	160.5	166.6	167.9
25°	268.0	260.6	228.0	187.5	162.3	152.3	157.5	167.9	186.2	195.8	194.9
27.5°	325.4	312.8	270.2	218.0	180.5	164.9	172.7	189.7	208.8	221.0	220.1
30°	378.5	367.6	310.6	245.8	196.2	177.1	185.3	207.1	229.3	244.1	244.9
32.5°	458.1	438.1	358.0	269.7	208.8	187.1	194.9	221.4	247.1	264.9	264.5
35°	540.3	517.7	410.3	297.6	219.7	193.6	201.9	231.9	260.2	281.5	281.9
37.5°	626.9	595.2	456.8	315.8	228.4	197.5	205.8	239.3	275.4	299.8	300.6
40°	685.2	649.1	485.1	325.4	231.0	200.1	209.3	244.5	278.0	295.8	297.6
42.5°	750.5	699.6	499.9	317.6	228.0	199.7	210.1	240.6	266.7	279.3	280.6
45°	840.5	772.2	516.0	305.4	219.7	198.4	206.6	230.1	247.1	251.9	251.9
47.5°	957.6	860.5	542.9	292.4	211.0	194.5	200.6	215.8	222.3	221.4	219.3
50°	1098.1	985.8	575.6	281.0	202.7	189.7	193.6	202.3	204.5	201.9	200.6
52.5°	1238.2	1086.8	598.2	271.0	197.5	185.3	187.9	194.5	194.5	186.6	185.3
55°	1366.5	1178.1	592.1	251.9	193.6	183.2	185.8	190.6	186.6	177.5	175.8
57.5°	1574.0	1336.0	607.8	233.2	187.9	182.7	186.2	189.2	183.6	174.9	173.2
60°	1611.0	1329.5	570.8	221.4	184.0	184.0	187.9	191.4	187.5	179.7	179.2
62.5°	1662.3	1335.6	514.7	204.5	181.4	184.9	191.9	197.1	196.6	191.0	190.1
64°	1698.4	1344.3	494.7	196.6	179.2	184.9	194.9	202.7	202.7	196.2	196.2
65°	1662.8	1311.2	479.9	192.7	177.1	184.9	196.6	206.2	205.3	200.1	199.3
67.5°	1554.9	1203.8	417.2	184.0	172.3	184.9	201.4	211.9	213.2	208.8	207.1
70°	1423.1	1086.3	362.8	174.0	167.5	182.7	201.4	215.4	217.5	212.7	211.4
72.5°	1159.8	873.6	299.3	163.1	160.5	177.5	198.8	213.6	215.8	210.1	208.4
75°	972.3	713.5	248.0	152.7	153.1	171.0	192.3	205.8	205.8	199.7	197.1
77.5°	800.9	576.0	205.3	142.7	144.4	162.7	180.5	189.2	186.6	181.0	177.5
80°	599.9	435.1	169.2	131.8	133.6	149.2	164.0	170.1	167.5	160.5	159.7
82.5°	439.0	312.8	144.4	120.5	121.8	134.4	145.3	150.5	152.7	147.0	145.3
85°	288.4	220.6	124.0	109.2	110.1	119.6	126.6	131.0	135.7	134.0	133.1
87.5°	188.4	152.7	104.8	96.1	97.0	104.8	109.6	114.0	123.6	124.9	123.1
90°	126.6	107.0	86.6	83.1	84.4	90.9	93.5	97.9	108.3	110.1	110.1
92.5°	84.8	76.6	70.0	70.0	72.2	77.9	78.3	79.6	88.3	90.5	89.6
95°	59.6	57.0	56.6	57.4	60.0	64.4	62.2	61.3	67.0	67.4	66.6
97.5°	45.7	44.8	45.7	47.0	48.3	52.6	50.5	48.3	50.9	50.0	50.9
100°	36.5	36.1	37.4	37.4	38.7	42.6	40.9	39.6	40.0	38.3	38.3
102.5°	29.1	29.1	30.5	30.9	31.8	34.8	34.4	33.1	32.2	30.5	30.9
105°	22.6	23.1	24.8	25.2	26.5	29.1	28.7	27.0	26.1	23.9	24.4
107.5°	18.3	19.1	20.4	20.9	22.2	24.4	23.5	21.8	20.4	19.6	19.6



REPORT NUMBER: P415323

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.2	15.7	17.0	17.4	18.7	20.4	20.0	17.8	16.1	15.7	16.1
112.5°	12.6	13.5	14.4	14.8	16.1	17.4	16.1	14.4	13.1	13.5	13.5
115°	10.9	11.3	12.2	12.6	13.5	14.8	13.5	11.7	10.9	11.3	11.7
117.5°	10.0	10.4	10.9	10.9	11.7	12.6	11.3	10.0	9.6	10.0	10.4
120°	8.7	9.1	9.6	10.0	10.4	10.9	10.0	8.7	8.3	9.1	9.1
122.5°	7.8	8.3	8.3	8.7	9.1	9.6	8.7	7.8	7.4	7.8	8.3
125°	7.0	7.4	7.8	7.8	8.3	8.3	7.8	7.0	7.0	7.4	7.4
127.5°	6.5	7.0	7.0	7.4	7.4	7.4	7.0	6.1	6.5	7.0	7.0
130°	6.5	6.5	6.5	6.5	6.5	6.5	6.1	5.7	6.1	6.5	6.5
132.5°	6.1	6.1	6.1	6.1	6.1	5.7	5.2	5.2	5.7	6.1	6.1
135°	5.7	5.7	5.2	5.2	5.2	5.2	4.8	4.8	4.8	5.2	5.2
137.5°	4.8	4.8	4.4	4.4	4.4	4.4	3.9	3.9	4.4	4.8	4.8
140°	3.9	3.9	3.5	3.5	3.5	3.5	3.5	3.5	3.9	3.9	4.4
142.5°	3.0	3.0	3.0	2.6	2.6	3.0	3.0	3.0	3.5	3.5	3.5
145°	2.6	2.6	2.6	2.2	2.2	2.6	2.6	2.6	3.0	3.0	3.0
147.5°	2.2	2.2	2.2	1.7	1.3	2.2	2.2	2.2	2.6	2.2	2.2
150°	2.2	2.2	1.7	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.3	0.9	0.9	1.3	1.7	1.3	1.3	1.3
155°	1.7	1.7	1.3	1.3	0.9	0.4	0.9	1.3	0.9	0.9	0.9
157.5°	1.3	1.3	1.3	0.9	0.4	0.4	0.9	0.9	0.4	0.4	0.4
160°	1.3	1.3	0.9	0.9	0.4	0.4	0.9	0.9	0.4	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)