

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: P414696

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-740-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3680 lumens
Efficiency: N/A
Efficacy: 118.7 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

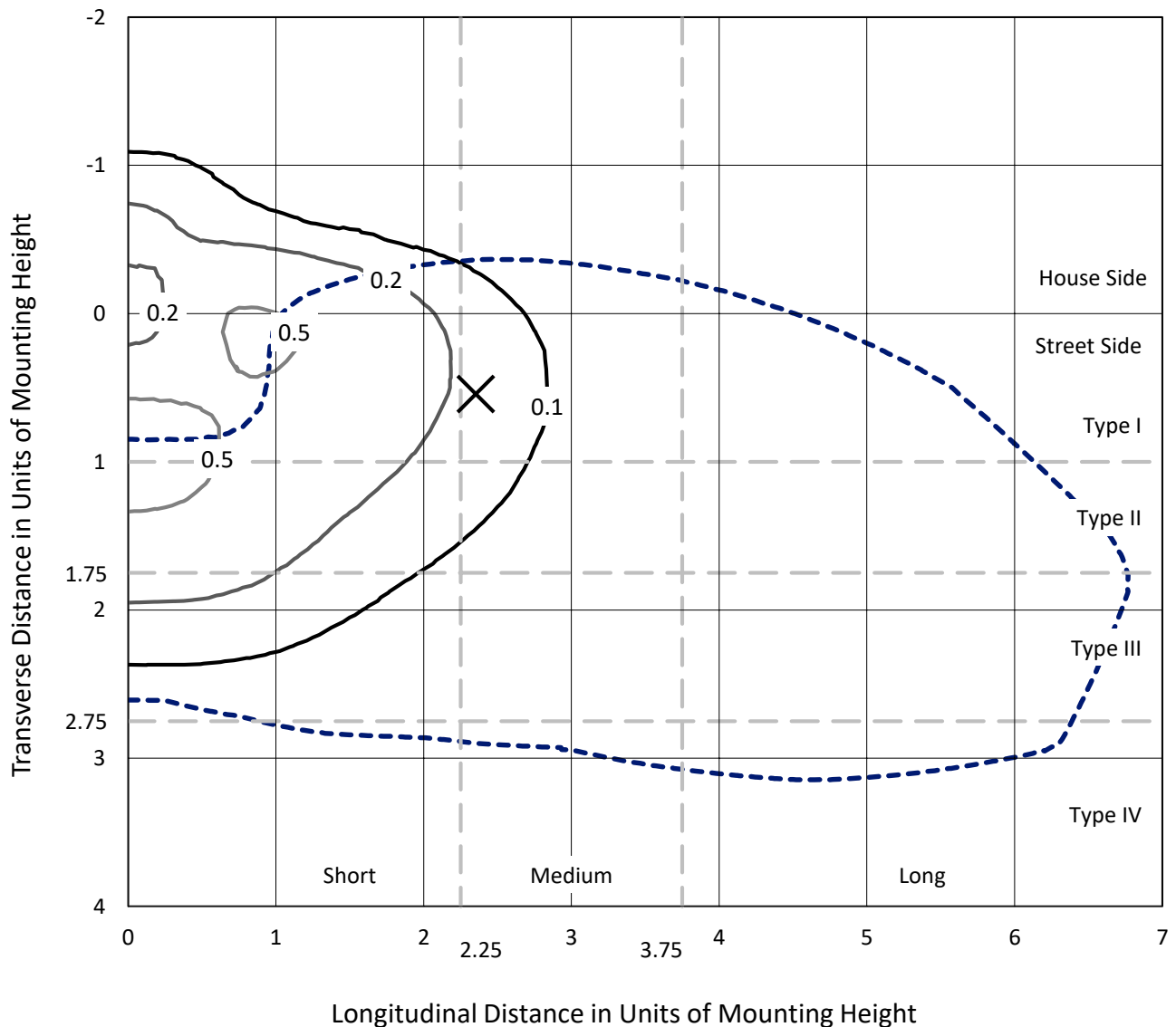
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414696
 CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

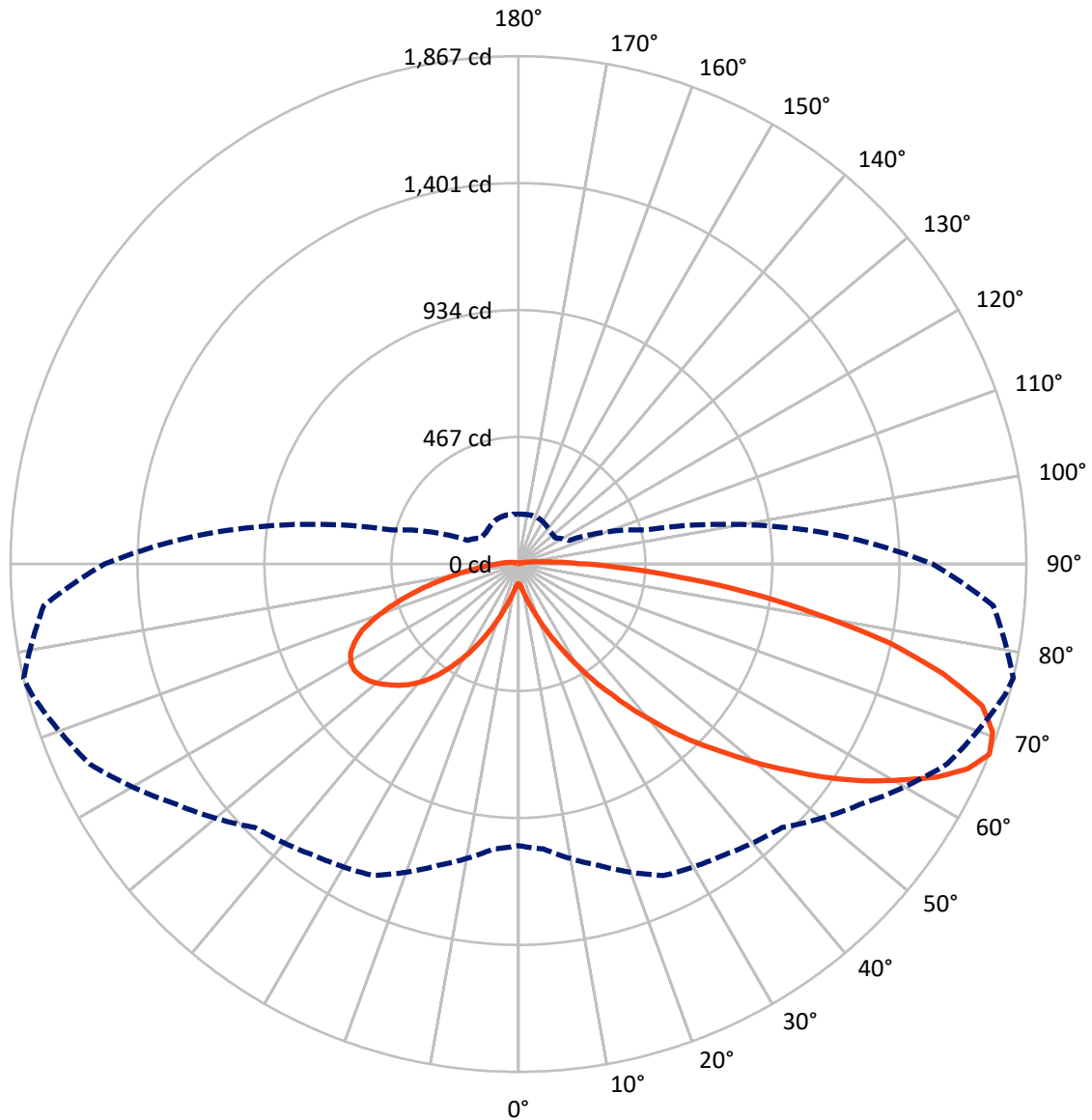
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414696
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P414696

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	839.6	55.3	894.8
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	2723.6	61.6	2785.2
	% Fixture	74.0	1.7	75.7
Total	Lumens	3563.1	116.9	3680.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.2
10°-20°	42.7	1.2
20°-30°	127.5	3.5
30°-40°	282.4	7.7
40°-50°	505.8	13.7
50°-60°	757.5	20.6
60°-70°	892.9	24.3
70°-80°	681.7	18.5
80°-90°	264.3	7.2
90°-100°	67.4	1.8
100°-110°	25.5	0.7
110°-120°	12.0	0.3
120°-130°	6.4	0.2
130°-140°	3.6	0.1
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3563.1	96.8
0°-180°	3680.0	100.0



REPORT NUMBER: P414696

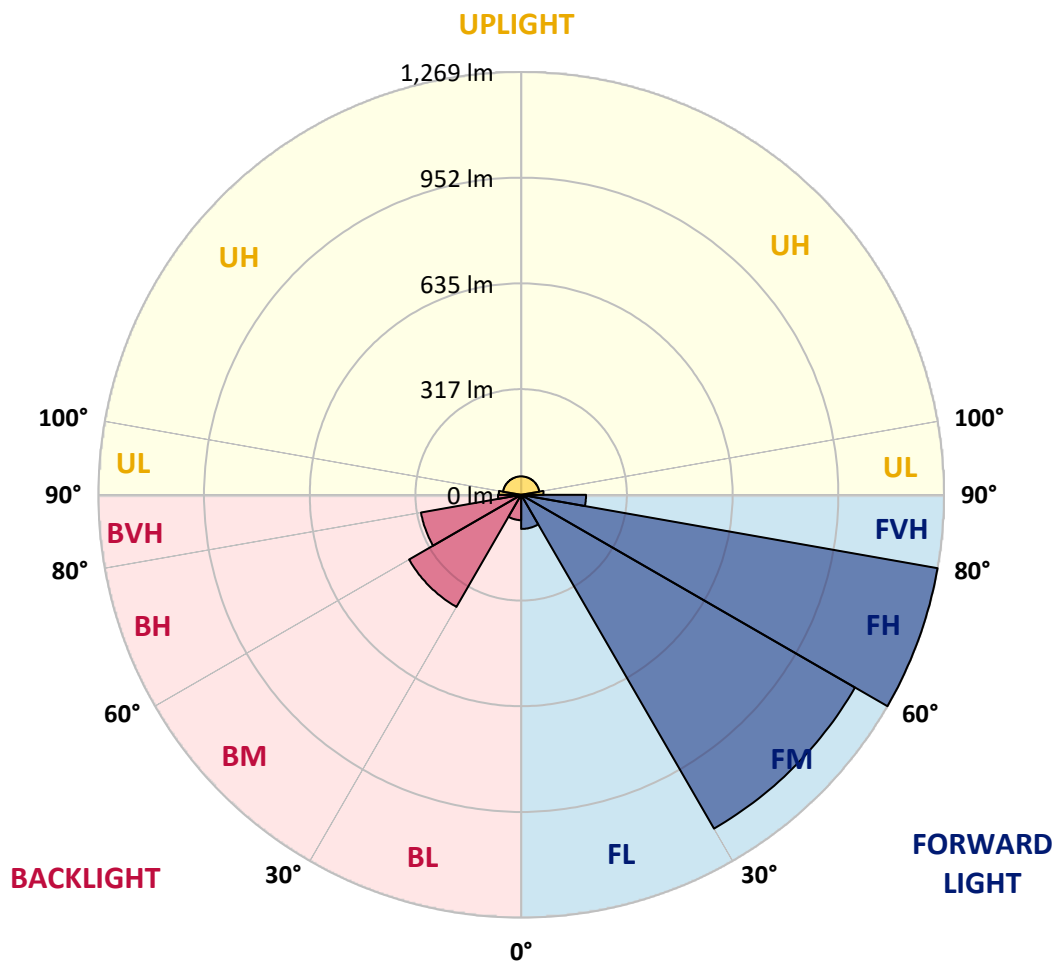
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.6	2.8			
FM	(30°-60°)	1157.1	31.4			
FH	(60°-80°)	1269.3	34.5			G1/1800
FVH	(80°-90°)	194.6	5.3			G2/225
BL	(0°-30°)	76.0	2.1	B0/110		
BM	(30°-60°)	388.6	10.6	B1/1000		
BH	(60°-80°)	305.3	8.3	B1/500		G1/500
BVH	(80°-90°)	69.6	1.9			G1/100
UL	(90°-100°)	67.4	1.8		U3/500	
UH	(100°-180°)	55.3	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414696

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	76.5	76.1	76.5	76.5	76.9	76.1	75.3	74.8	74.4	74.4	74.0
5°	84.6	83.7	84.1	84.6	84.1	83.3	82.0	81.6	80.8	80.8	79.9
7.5°	96.0	96.0	95.5	94.7	95.5	94.3	93.4	93.0	91.7	91.3	90.9
10°	113.3	112.5	112.0	111.2	110.3	109.9	108.2	108.2	106.1	107.0	105.7
12.5°	135.7	134.0	134.4	132.8	130.2	128.5	127.7	127.3	127.3	127.3	126.8
15°	162.8	161.5	161.1	157.3	154.7	152.6	150.9	151.4	153.5	153.9	152.2
17.5°	193.6	195.7	191.9	188.6	184.8	180.5	180.5	180.5	182.2	183.5	182.6
20°	236.8	232.5	228.3	222.8	216.5	213.1	211.4	216.5	219.4	221.5	220.7
22.5°	284.1	279.9	275.2	266.4	257.5	251.1	251.1	257.5	264.2	266.8	267.6
25°	337.8	340.3	328.9	315.4	299.3	293.8	294.7	304.0	314.1	316.2	321.3
27.5°	404.2	404.2	394.5	372.9	351.8	340.8	341.6	356.8	372.0	375.0	378.8
30°	484.9	482.0	468.9	440.1	412.2	391.5	395.3	413.9	438.0	440.5	445.2
32.5°	575.0	574.6	549.2	513.7	473.5	449.0	450.7	477.7	507.8	514.9	520.0
35°	674.8	677.3	644.3	592.7	546.2	513.3	518.8	549.6	584.7	586.4	592.7
37.5°	788.9	787.6	748.3	692.1	622.8	587.7	583.4	625.3	662.1	673.1	669.7
40°	915.3	901.8	863.7	794.0	708.6	661.6	662.5	705.6	755.5	758.9	758.0
42.5°	1040.0	1034.1	988.0	893.8	802.4	747.1	749.2	790.6	842.2	855.3	846.0
45°	1174.5	1159.7	1109.8	1012.6	901.4	841.3	835.8	882.3	939.0	949.1	940.3
47.5°	1283.1	1273.8	1229.9	1126.3	1007.5	930.5	922.1	979.2	1043.8	1044.7	1031.6
50°	1373.2	1368.5	1333.9	1242.1	1110.2	1030.3	1021.4	1078.1	1145.7	1156.7	1137.7
52.5°	1451.0	1443.4	1426.0	1335.6	1203.7	1115.7	1114.4	1176.6	1261.2	1266.2	1248.0
55°	1475.9	1480.6	1478.0	1414.2	1295.4	1200.3	1210.8	1294.5	1370.2	1388.0	1353.7
57.5°	1472.1	1472.1	1496.2	1467.0	1356.7	1276.8	1299.6	1400.7	1499.2	1504.7	1463.7
60°	1414.6	1415.9	1473.8	1481.8	1400.7	1342.3	1396.0	1508.5	1609.5	1612.9	1574.4
62.5°	1331.8	1328.8	1413.8	1454.4	1406.2	1381.2	1464.9	1602.8	1713.5	1724.9	1667.0
65°	1202.4	1207.9	1299.6	1380.4	1377.4	1396.0	1518.6	1687.7	1798.1	1814.6	1730.9
67.5°	1035.4	1051.5	1147.8	1263.7	1308.5	1370.2	1538.5	1739.7	1853.0	1867.4	1752.4
70°	857.8	854.0	958.4	1103.9	1191.4	1304.3	1516.5	1741.9	1854.3	1849.7	1706.3
72.5°	650.7	666.7	760.6	908.6	1038.3	1179.1	1445.1	1687.7	1783.3	1782.4	1584.6
75°	462.5	472.2	555.1	703.1	857.8	1032.8	1302.6	1569.8	1640.0	1614.6	1408.3
77.5°	305.2	314.1	385.6	520.4	663.8	848.9	1111.1	1363.9	1419.7	1393.5	1183.4
80°	189.8	194.1	248.2	355.1	482.4	657.8	899.7	1115.3	1137.3	1110.6	911.1
82.5°	112.9	116.3	155.2	227.9	343.7	479.0	678.1	854.9	862.0	843.9	657.0
85°	69.3	74.0	98.9	152.2	229.1	337.8	472.7	594.0	599.1	577.9	434.2
87.5°	45.2	47.8	67.2	98.9	154.3	226.2	316.7	395.3	383.9	370.8	274.4
90°	30.9	32.6	46.1	68.1	104.4	149.7	200.4	247.3	229.1	219.0	166.6
92.5°	21.6	23.3	33.8	49.0	72.3	100.2	130.2	148.0	140.4	135.7	104.8
95°	16.9	17.8	25.8	38.1	53.7	71.0	86.2	91.7	87.1	83.7	70.6
97.5°	13.5	14.4	21.6	30.9	41.9	52.8	60.0	61.7	57.1	55.4	49.0
100°	11.4	12.3	18.2	25.8	34.2	41.9	44.8	44.4	40.6	39.7	35.5
102.5°	10.1	10.6	16.1	22.4	29.2	33.8	35.5	33.4	29.6	29.2	26.6
105°	8.9	9.7	14.0	19.4	24.9	28.7	28.7	26.2	22.0	21.6	20.3
107.5°	8.5	8.5	12.3	16.9	21.6	24.1	24.1	21.1	17.3	16.5	15.6
110°	7.6	8.0	11.0	14.8	18.6	20.7	20.3	16.9	13.1	12.7	12.3



REPORT NUMBER: P414696

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	7.2	7.2	9.7	13.1	16.1	17.8	16.9	14.0	10.6	10.1	9.7
115°	6.8	6.8	8.9	11.8	14.4	15.6	14.4	11.4	8.5	8.0	8.5
117.5°	6.3	6.8	8.0	10.6	12.7	13.5	12.3	9.7	7.2	6.8	7.2
120°	6.3	6.3	7.6	9.3	11.0	11.8	10.6	8.0	5.9	5.9	6.3
122.5°	6.3	6.3	7.2	8.5	9.7	10.1	8.9	6.8	5.5	5.5	5.9
125°	5.9	5.9	6.8	7.6	8.9	8.9	8.0	5.9	4.7	4.7	5.5
127.5°	5.9	5.9	6.3	7.2	8.0	8.0	6.8	5.1	4.2	4.7	5.1
130°	5.5	5.5	5.9	6.3	7.2	6.8	5.9	4.7	3.8	4.2	4.7
132.5°	5.5	5.5	5.5	5.9	6.3	5.9	5.1	3.8	3.8	3.8	4.2
135°	5.1	5.1	5.5	5.5	5.5	5.1	4.2	3.4	3.4	3.4	3.8
137.5°	5.1	5.1	5.1	5.1	5.1	4.7	3.8	3.0	3.0	3.0	3.4
140°	4.7	4.7	4.7	4.2	4.2	3.8	3.0	2.5	2.5	2.5	3.0
142.5°	4.2	4.2	4.2	3.8	3.8	3.0	2.5	2.1	2.1	2.5	2.5
145°	3.8	3.8	3.8	3.4	3.0	2.5	1.7	1.7	2.1	2.1	2.5
147.5°	3.0	3.0	3.0	3.0	2.1	2.1	1.3	1.7	1.7	2.1	2.1
150°	2.5	2.5	2.5	2.5	1.7	1.3	0.8	1.3	1.7	1.7	1.7
152.5°	2.1	2.1	2.1	2.1	1.3	0.8	0.8	1.3	1.3	1.3	1.7
155°	1.3	1.3	1.7	1.3	0.8	0.4	0.8	0.8	1.3	1.3	1.3
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	1.3
160°	0.4	0.4	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8
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: P414696

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	73.6	74.0	73.6	73.1	73.1	72.7	72.7	72.7	72.7	72.3	72.3
5°	80.3	79.9	79.5	78.6	77.8	76.9	76.9	76.5	76.1	75.7	75.7
7.5°	89.6	89.6	88.8	87.5	86.2	85.4	84.6	84.1	82.9	82.9	82.4
10°	104.0	104.0	101.5	100.2	98.1	96.0	95.1	93.9	93.0	92.6	92.2
12.5°	124.7	123.5	120.9	116.7	112.5	109.1	107.0	106.1	106.5	106.5	107.0
15°	151.4	148.8	145.0	137.0	129.4	124.3	123.0	123.0	123.5	123.5	123.9
17.5°	183.1	179.3	170.8	160.7	149.7	142.9	139.9	139.9	140.8	142.1	143.3
20°	221.5	218.2	205.0	187.3	170.8	161.9	156.9	156.4	158.1	161.9	161.1
22.5°	265.1	261.3	241.8	216.0	193.2	178.8	173.3	175.0	179.3	181.8	181.8
25°	317.5	311.2	282.0	244.4	215.2	194.9	187.7	190.3	196.6	199.6	200.8
27.5°	373.7	365.3	326.4	275.2	232.5	208.0	200.4	203.8	211.4	216.0	217.3
30°	440.5	425.7	372.9	304.0	248.2	217.3	209.3	215.6	224.1	229.6	230.8
32.5°	510.7	487.9	413.1	328.5	259.6	223.7	215.6	223.2	232.5	238.9	239.3
35°	580.9	554.7	457.4	348.4	265.5	226.6	218.2	227.0	237.2	242.3	243.5
37.5°	657.0	620.6	495.9	361.1	268.0	226.2	218.2	227.0	236.8	241.0	241.8
40°	730.1	685.3	530.2	368.7	267.2	222.8	215.2	224.5	233.0	235.9	235.5
42.5°	812.2	747.9	557.6	369.1	261.3	217.7	211.4	219.4	225.3	224.9	225.3
45°	890.4	814.3	577.9	366.1	253.2	211.4	206.3	213.5	215.6	213.5	213.1
47.5°	976.2	880.2	594.0	358.5	243.5	205.5	200.8	206.3	206.7	202.1	201.2
50°	1067.1	946.2	608.8	344.6	232.1	198.7	195.7	200.4	199.6	191.9	190.7
52.5°	1155.9	1013.0	618.1	327.7	220.7	192.8	191.5	196.2	193.6	184.8	183.1
55°	1250.6	1074.7	619.8	310.7	209.7	187.7	187.7	192.8	189.8	180.5	179.3
57.5°	1343.2	1139.4	613.5	288.8	199.1	182.2	184.8	190.7	188.6	179.3	178.4
60°	1429.8	1188.0	596.1	268.0	189.4	178.4	182.6	189.4	187.7	180.1	179.3
62.5°	1497.1	1220.1	568.6	247.7	180.9	174.6	180.5	187.3	187.7	181.4	181.8
65°	1528.3	1220.1	528.9	227.5	173.3	170.8	178.4	186.0	186.9	183.1	183.1
67.5°	1521.6	1188.9	484.1	206.3	166.2	166.2	175.5	183.5	185.2	183.5	183.5
70°	1450.1	1104.3	422.8	189.4	159.0	160.7	170.8	179.3	181.8	182.2	181.8
72.5°	1333.9	977.0	359.4	171.6	151.4	155.2	164.9	173.3	176.7	177.6	177.1
75°	1154.2	829.5	297.2	156.9	143.3	148.0	158.1	165.3	169.1	170.8	170.0
77.5°	927.6	658.3	243.5	142.1	134.0	139.1	148.8	154.7	159.4	161.5	159.8
80°	706.9	490.0	193.6	127.3	122.6	128.1	136.6	142.9	147.1	148.0	146.7
82.5°	501.8	347.5	155.2	113.3	110.3	115.0	122.6	126.8	131.9	131.5	128.9
85°	328.9	235.9	121.8	98.5	97.2	100.2	106.1	108.7	113.7	113.7	110.8
87.5°	213.9	156.4	96.0	82.9	84.1	86.7	89.6	91.7	93.9	94.3	91.7
90°	136.6	107.0	76.5	70.6	71.9	74.0	74.0	73.6	76.9	77.8	75.7
92.5°	89.6	76.1	63.4	60.0	60.9	61.3	61.3	59.6	62.6	63.0	61.3
95°	63.0	57.1	52.4	51.6	51.6	51.6	50.7	48.6	51.2	51.2	50.3
97.5°	47.4	44.4	44.0	44.0	44.0	43.5	42.3	41.4	42.3	42.3	41.9
100°	35.5	35.1	36.4	37.2	37.6	37.2	36.4	35.1	35.1	33.4	33.8
102.5°	27.1	27.9	30.4	31.7	31.7	31.7	31.3	29.6	28.7	27.1	26.6
105°	21.1	22.0	24.9	26.6	27.1	27.5	26.6	24.9	23.3	21.6	21.1
107.5°	16.5	17.8	20.3	22.4	23.3	23.3	22.8	21.1	19.0	16.9	16.9
110°	13.5	14.4	16.9	19.0	19.9	19.9	19.4	17.3	15.2	13.5	13.5



REPORT NUMBER: P414696

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	11.8	14.4	16.1	16.9	17.3	16.5	14.8	12.7	11.0	11.0
115°	9.3	10.1	12.3	13.5	14.4	14.4	14.0	12.3	10.6	9.3	9.3
117.5°	8.0	8.9	10.6	11.8	12.3	12.7	11.8	10.6	8.9	8.0	8.0
120°	7.2	7.6	9.3	10.1	10.6	10.6	10.1	8.9	7.6	7.2	7.2
122.5°	6.3	7.2	8.0	8.9	9.3	9.3	8.9	7.6	6.8	6.3	6.8
125°	5.9	6.3	7.2	8.0	8.0	8.0	7.6	6.8	5.9	5.9	5.9
127.5°	5.5	5.9	6.3	6.8	7.2	7.2	6.8	5.9	5.5	5.5	5.5
130°	5.1	5.5	5.9	5.9	6.3	6.3	5.9	5.1	5.1	5.1	5.1
132.5°	4.7	5.1	5.1	5.5	5.5	5.5	5.1	4.7	4.7	4.7	4.7
135°	4.2	4.2	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.2	4.2
137.5°	3.8	3.8	4.2	3.8	4.2	3.8	3.8	3.4	3.8	3.8	3.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.0	3.0	3.4	3.4	3.4
142.5°	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0
145°	2.5	2.5	2.5	2.1	2.1	1.7	2.1	2.1	2.5	2.5	2.5
147.5°	2.1	2.1	2.1	2.1	1.7	1.3	1.3	1.7	2.1	2.1	2.1
150°	1.7	2.1	2.1	1.7	1.3	0.8	0.8	1.3	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.4	0.8	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	0.8	0.4	0.0	0.8	0.8	0.8	0.8
157.5°	1.3	1.3	1.3	0.8	0.4	0.0	0.0	0.4	0.8	0.4	0.4
160°	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.4	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)