

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: P414663

Luminaire Tested: **LXF.LXT-PA1-30-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414663
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-PA1-30-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3606 lumens
Efficiency: N/A
Efficacy: 116.3 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

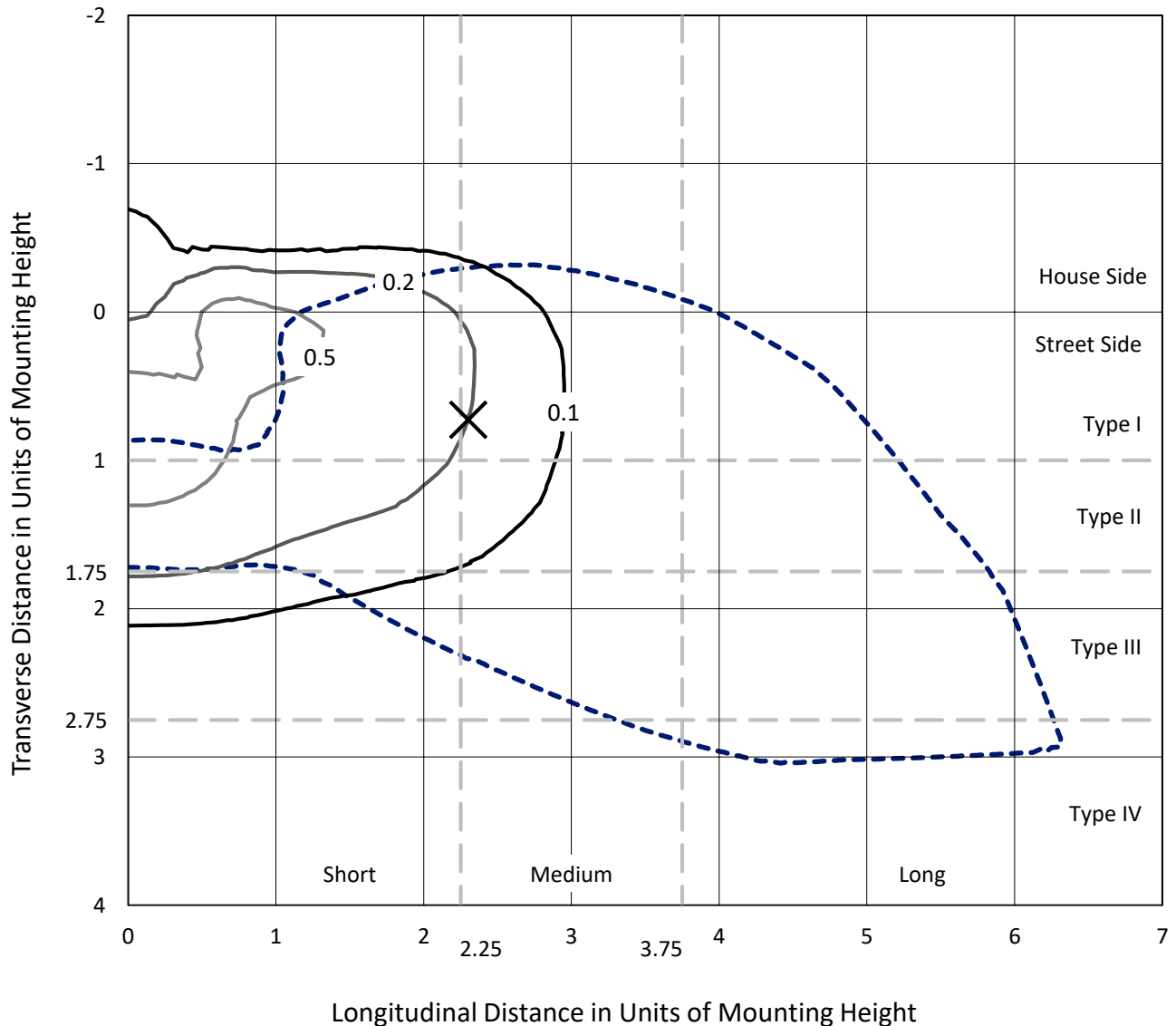
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414663
 CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

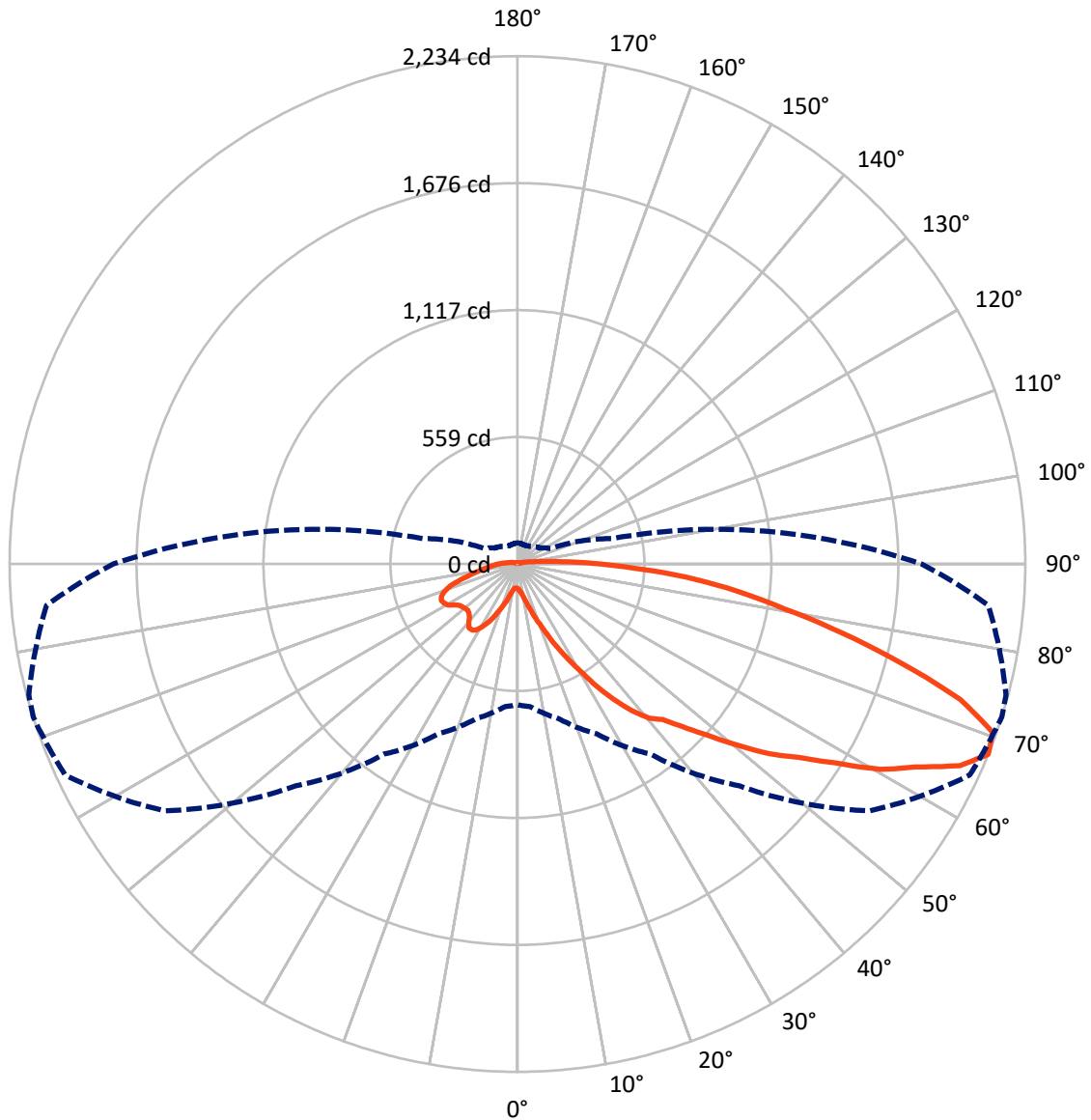
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414663
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414663

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.9	55.5	686.4
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	2841.2	78.4	2919.6
	% Fixture	78.8	2.2	81.0
Total	Lumens	3472.1	133.9	3606.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.3
10°-20°	48.7	1.3
20°-30°	134.9	3.7
30°-40°	290.0	8.0
40°-50°	490.8	13.6
50°-60°	720.1	20.0
60°-70°	858.8	23.8
70°-80°	641.4	17.8
80°-90°	276.2	7.7
90°-100°	80.1	2.2
100°-110°	26.1	0.7
110°-120°	12.2	0.3
120°-130°	7.5	0.2
130°-140°	4.8	0.1
140°-150°	2.1	0.1
150°-160°	0.7	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	3472.1	96.3
0°-180°	3606.0	100.0



REPORT NUMBER: P414663

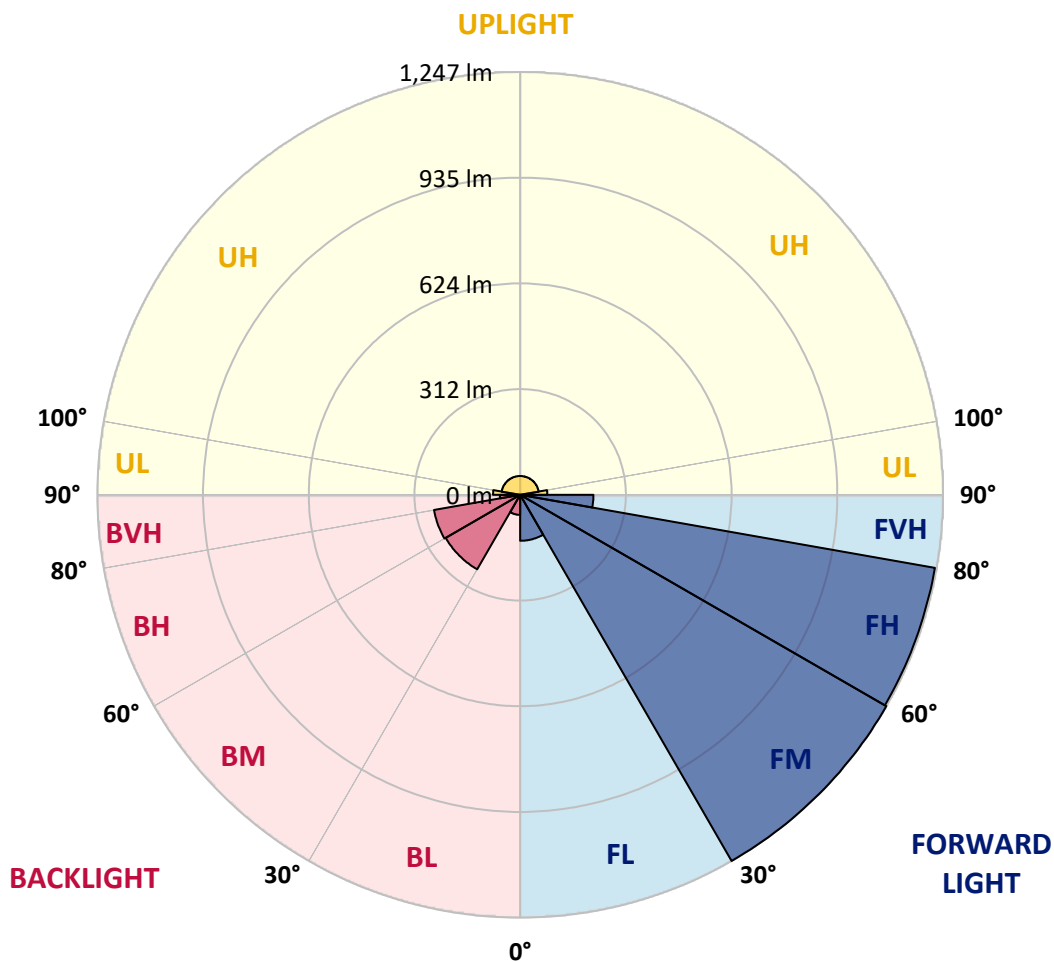
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.7	3.8			
FM	(30°-60°)	1247.2	34.6			
FH	(60°-80°)	1242.2	34.4			G1/1800
FVH	(80°-90°)	216.0	6.0			G2/225
BL	(0°-30°)	59.1	1.6	B0/110		
BM	(30°-60°)	253.7	7.0	B1/1000		
BH	(60°-80°)	258.0	7.2	B1/500		G1/500
BVH	(80°-90°)	60.1	1.7			G1/100
UL	(90°-100°)	80.1	2.2		U3/500	
UH	(100°-180°)	55.5	1.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414663

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	118.4	119.2	120.1	119.6	119.2	118.0	115.8	113.7	111.6	111.6	109.9
5°	135.3	134.9	134.4	134.9	132.8	129.8	126.4	122.6	119.6	118.8	114.6
7.5°	154.7	153.9	154.7	152.2	149.2	145.4	140.4	135.3	130.2	129.4	122.6
10°	178.0	177.1	176.7	174.6	169.1	163.6	158.5	150.5	146.7	145.4	136.6
12.5°	207.2	206.7	204.2	200.0	192.8	187.3	180.1	175.9	172.1	169.1	160.2
15°	240.6	241.4	238.4	229.6	220.7	212.2	208.9	205.5	202.5	201.2	193.6
17.5°	287.5	285.8	279.0	265.5	251.1	244.4	241.4	239.3	242.3	241.4	229.6
20°	345.4	341.2	330.6	307.4	289.6	278.6	276.1	279.9	281.6	285.8	277.8
22.5°	413.5	408.0	390.2	364.0	338.2	317.5	315.0	326.4	337.0	338.2	334.8
25°	479.9	474.8	459.1	424.9	390.2	362.7	356.8	382.2	403.3	407.1	411.8
27.5°	547.9	545.4	522.6	485.4	447.3	412.6	411.8	439.3	472.2	481.1	489.2
30°	625.3	631.2	602.5	555.5	507.8	467.6	465.5	506.1	546.7	565.7	579.2
32.5°	734.4	729.3	693.4	640.9	569.9	523.0	525.9	573.3	641.8	657.8	675.6
35°	859.5	861.2	812.2	730.6	646.9	588.9	586.8	652.8	732.3	745.8	775.4
37.5°	962.3	970.7	934.3	840.5	733.1	658.3	661.2	735.2	818.9	846.0	871.8
40°	1072.6	1080.2	1037.9	946.6	827.0	734.8	739.0	810.9	890.8	912.8	919.1
42.5°	1193.1	1200.7	1149.5	1041.3	906.0	827.0	810.5	865.4	935.2	962.7	968.2
45°	1306.0	1319.1	1267.5	1140.2	994.4	909.8	884.9	929.3	1020.6	1046.0	1051.9
47.5°	1340.6	1356.3	1333.9	1229.9	1078.9	981.3	964.8	1026.5	1125.0	1162.7	1155.0
50°	1374.0	1388.4	1374.9	1282.7	1149.1	1064.1	1067.9	1139.8	1251.4	1299.6	1293.7
52.5°	1379.1	1393.9	1380.0	1315.3	1209.2	1147.9	1190.1	1275.1	1385.9	1421.0	1412.5
55°	1387.6	1397.3	1384.6	1311.5	1252.7	1237.1	1317.0	1413.8	1501.7	1543.6	1529.6
57.5°	1270.0	1273.8	1319.9	1300.5	1262.0	1336.0	1459.9	1547.4	1651.0	1713.5	1706.4
60°	1100.9	1109.0	1166.0	1210.8	1255.7	1406.6	1600.2	1732.6	1834.0	1875.0	1836.1
62.5°	961.8	970.7	1030.7	1088.2	1202.0	1437.9	1746.9	1898.3	1965.1	2002.3	1956.2
65°	775.0	781.7	854.9	967.7	1114.5	1425.6	1856.9	2070.8	2138.0	2152.8	2063.6
67.5°	619.4	629.5	703.9	824.4	1020.6	1379.1	1892.8	2195.1	2234.0	2225.1	2079.2
70°	460.8	465.9	556.8	709.9	909.4	1277.6	1858.6	2223.0	2217.1	2205.7	2005.7
72.5°	317.5	316.7	402.1	551.3	793.6	1161.8	1699.2	2065.3	2037.4	2007.8	1754.5
75°	205.0	216.5	269.7	400.8	641.8	994.4	1492.8	1793.4	1746.1	1699.2	1445.5
77.5°	138.2	146.3	189.4	287.1	490.4	836.3	1284.8	1540.2	1461.1	1418.4	1166.9
80°	95.1	98.5	131.5	211.0	364.9	663.3	1052.3	1274.7	1188.4	1137.7	905.6
82.5°	66.8	69.3	91.7	155.6	274.8	495.5	840.1	1060.3	969.9	933.1	703.5
85°	48.2	49.9	66.0	115.8	208.9	372.0	639.2	824.8	746.2	717.9	502.7
87.5°	35.9	37.6	49.9	85.8	160.7	282.8	476.9	590.6	506.1	469.3	317.5
90°	26.6	28.3	38.5	64.3	125.6	213.1	345.4	403.8	328.5	297.6	202.5
92.5°	19.9	21.1	28.7	46.9	96.0	163.2	243.5	255.4	194.5	177.1	127.7
95°	14.8	15.6	21.6	34.2	68.5	118.8	159.4	149.2	114.6	104.0	80.8
97.5°	12.3	12.7	16.9	26.2	48.2	83.3	102.3	91.7	74.0	68.9	55.8
100°	10.1	10.6	13.5	19.9	35.1	57.1	67.6	59.6	51.6	49.5	43.5
102.5°	8.9	9.3	11.4	16.5	26.2	41.0	46.9	42.7	38.1	36.4	33.8
105°	8.0	8.0	10.1	14.0	21.6	30.9	34.2	31.3	28.3	27.5	27.1
107.5°	7.2	7.2	8.9	12.3	17.8	24.1	25.8	23.3	20.7	20.3	21.6
110°	6.8	6.8	8.0	11.0	15.2	19.9	20.3	17.3	15.6	15.6	17.3



REPORT NUMBER: P414663

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.3	6.3	7.6	9.7	13.5	16.5	16.1	13.5	12.3	12.3	14.4
115°	6.3	6.3	7.2	9.3	11.8	14.0	13.1	11.0	10.1	10.1	12.3
117.5°	6.3	6.8	7.2	8.9	11.0	12.3	11.4	9.3	8.9	8.9	11.0
120°	6.8	6.8	7.2	8.9	10.1	10.6	9.7	8.0	7.6	8.0	10.1
122.5°	6.8	6.8	7.6	8.9	9.7	9.7	8.5	7.2	7.2	7.2	9.3
125°	7.2	7.2	7.6	8.9	9.3	8.9	7.6	6.8	6.8	7.2	8.5
127.5°	7.6	7.6	8.0	8.9	8.9	8.0	7.2	6.3	6.3	6.8	8.5
130°	8.5	8.5	8.5	8.9	8.0	7.2	6.3	5.9	6.3	6.8	8.5
132.5°	8.5	8.5	8.5	8.5	7.6	6.3	5.9	5.5	6.3	6.8	8.0
135°	7.6	7.6	7.6	7.6	6.8	5.5	5.1	5.1	5.9	6.3	7.6
137.5°	6.8	6.8	6.8	6.3	5.9	5.1	4.2	4.2	5.1	5.5	6.8
140°	5.9	5.9	5.5	5.5	5.1	4.2	3.8	3.8	4.2	4.7	5.5
142.5°	4.7	4.7	4.7	4.7	4.2	3.4	3.0	3.0	3.8	4.2	4.7
145°	3.8	3.8	3.8	3.8	3.4	3.0	2.5	2.5	3.0	3.4	3.8
147.5°	3.0	3.0	3.4	3.4	3.0	2.5	1.7	2.1	2.5	2.5	3.0
150°	2.5	2.5	2.5	3.0	2.1	1.7	1.3	1.7	2.1	2.1	2.5
152.5°	2.1	2.1	2.1	2.1	1.7	0.8	1.3	1.7	1.7	2.1	2.1
155°	1.3	1.3	1.7	1.7	1.3	0.8	1.3	1.3	1.7	1.7	2.1
157.5°	0.8	0.8	1.3	1.3	1.3	0.8	0.8	1.3	1.3	1.3	1.7
160°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
162.5°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
165°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
167.5°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
170°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
172.5°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
175°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
177.5°	0.0	0.4	0.8	1.3	1.3	0.8	0.8	0.8	0.8	0.8	1.3
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



REPORT NUMBER: P414663

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	108.7	107.8	106.1	104.4	102.7	101.0	100.6	99.8	99.4	98.9	99.4
5°	112.9	110.3	106.5	102.7	99.4	96.4	94.3	92.2	90.5	89.6	89.6
7.5°	120.5	116.3	109.9	103.6	97.7	92.6	89.2	86.2	84.1	83.3	82.9
10°	132.3	127.3	118.0	107.8	98.9	91.3	86.2	82.9	80.8	79.5	79.5
12.5°	153.0	147.1	132.3	116.7	102.3	91.7	85.0	81.6	79.5	79.1	79.5
15°	185.6	176.3	154.7	132.3	110.3	92.6	84.1	82.9	83.7	84.1	84.1
17.5°	223.7	211.0	183.5	149.7	119.2	96.4	87.5	86.7	87.9	89.2	90.1
20°	266.4	249.9	210.1	166.2	125.1	101.9	90.9	89.2	92.2	94.7	94.3
22.5°	320.5	300.6	243.9	178.8	129.4	103.2	92.2	90.5	95.5	98.5	99.4
25°	391.5	363.2	283.7	192.4	131.9	101.5	91.3	91.7	99.4	105.3	106.5
27.5°	468.9	427.9	320.5	203.4	131.9	97.2	90.1	95.1	105.7	113.3	114.2
30°	553.4	496.3	352.6	211.8	128.1	93.0	88.8	96.8	107.4	115.4	116.3
32.5°	643.5	567.4	386.0	214.8	122.6	89.6	87.5	95.5	104.4	111.6	113.3
35°	723.4	630.8	399.1	210.5	115.0	87.1	84.6	91.3	100.2	109.1	109.5
37.5°	806.7	691.2	405.0	198.7	107.4	84.6	82.0	88.4	98.9	109.5	110.8
40°	842.2	706.9	388.1	182.2	100.2	82.9	80.8	87.9	99.4	109.9	111.6
42.5°	878.5	722.1	367.4	158.5	95.5	82.4	82.0	87.9	97.2	105.7	107.0
45°	940.7	755.9	358.1	142.5	93.0	83.7	83.3	86.7	93.4	101.0	103.6
47.5°	1029.5	807.1	353.4	132.3	93.0	85.8	84.6	85.4	89.6	96.4	98.5
50°	1143.2	878.1	359.4	126.8	95.1	88.8	86.2	85.0	86.7	93.9	96.4
52.5°	1238.8	946.2	366.6	126.0	98.5	92.6	88.8	85.0	86.2	94.7	97.7
55°	1339.0	1010.9	374.6	128.1	102.7	95.5	90.5	85.8	86.7	94.7	98.1
57.5°	1484.4	1120.8	395.3	132.8	107.0	98.9	92.6	87.1	86.2	92.6	95.1
60°	1617.1	1225.6	426.2	141.6	112.0	102.3	94.7	87.9	85.8	90.1	91.7
62.5°	1697.5	1282.3	438.0	150.1	117.1	105.3	95.5	87.9	87.1	90.9	92.2
65°	1780.3	1336.4	442.7	156.9	120.1	107.0	95.5	88.8	88.8	91.3	91.7
67.5°	1777.4	1324.6	431.7	160.2	122.6	107.8	95.5	88.8	89.6	92.2	92.6
70°	1699.6	1256.5	404.2	159.8	122.2	106.5	93.9	88.4	91.7	94.7	95.1
72.5°	1471.3	1080.2	359.8	154.7	118.4	103.2	91.3	87.5	92.6	96.8	96.8
75°	1207.0	879.8	297.2	145.0	113.7	98.9	87.5	84.6	90.9	96.8	96.8
77.5°	950.8	688.7	241.0	132.3	107.0	93.9	82.9	79.5	86.7	92.2	91.7
80°	738.6	522.1	193.6	119.6	99.4	88.4	77.4	73.6	79.9	83.7	82.9
82.5°	566.5	402.1	159.8	107.8	91.7	82.0	71.9	68.5	74.4	76.9	76.1
85°	386.8	287.9	131.1	94.7	82.0	74.4	66.4	63.8	70.6	73.6	72.7
87.5°	255.4	197.9	109.5	83.3	72.3	66.8	60.0	59.2	66.8	69.8	69.3
90°	168.7	138.2	93.0	72.3	63.0	58.3	54.1	54.1	60.9	63.4	61.7
92.5°	111.2	98.1	73.6	61.3	53.7	50.7	48.2	47.8	53.7	54.5	53.3
95°	75.7	68.9	57.5	50.7	45.2	43.5	41.4	42.3	46.1	45.2	44.0
97.5°	54.1	52.4	46.5	41.4	37.6	37.2	36.4	36.8	38.9	37.2	36.4
100°	43.1	41.9	38.5	34.7	32.1	31.7	31.3	31.7	33.0	31.3	30.4
102.5°	34.7	34.7	32.1	29.2	27.1	27.5	27.5	27.5	27.9	25.4	25.4
105°	27.9	27.9	27.1	24.5	23.3	23.3	23.7	23.7	23.7	22.0	22.0
107.5°	22.4	23.3	22.8	20.7	19.9	20.3	20.3	19.9	19.9	19.0	19.0
110°	18.2	19.0	19.0	17.8	17.3	17.8	17.3	16.9	16.5	16.5	16.5



REPORT NUMBER: P414663

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	16.1	16.5	15.6	15.2	15.2	14.8	14.4	14.4	14.8	14.8
115°	13.1	14.0	14.4	13.5	13.5	13.5	12.7	12.3	12.3	13.1	13.1
117.5°	11.8	12.3	12.7	12.3	11.8	11.8	11.4	10.6	10.6	11.4	11.8
120°	10.6	11.0	11.4	11.0	10.6	10.1	9.7	9.3	9.3	10.6	10.6
122.5°	9.7	10.1	10.1	9.7	9.3	9.3	8.9	8.5	8.5	9.3	9.7
125°	9.3	9.3	9.3	8.9	8.5	8.0	7.6	7.6	7.6	8.5	8.5
127.5°	8.9	8.9	8.5	8.0	7.6	7.2	7.2	6.8	6.8	7.6	8.0
130°	8.9	8.9	8.0	7.6	7.2	6.3	6.3	5.9	6.3	7.2	7.2
132.5°	8.5	8.5	7.6	7.2	6.3	5.9	5.5	5.5	5.5	6.3	6.8
135°	8.0	7.6	6.8	6.3	5.5	5.1	5.1	5.1	5.1	5.9	5.9
137.5°	7.2	6.8	5.9	5.5	5.1	4.7	4.2	4.2	4.7	5.1	5.5
140°	5.9	5.9	5.1	4.7	4.2	3.8	3.8	3.8	4.2	4.7	4.7
142.5°	5.1	5.1	4.2	3.8	3.4	3.0	3.4	3.4	3.8	4.2	4.2
145°	4.2	3.8	3.8	3.0	3.0	2.5	2.5	3.0	3.4	3.8	3.8
147.5°	3.4	3.4	3.0	2.5	2.1	2.1	2.1	2.5	3.0	3.0	3.4
150°	3.0	3.0	2.5	2.5	1.7	1.3	1.7	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.1	1.7	0.8	1.3	2.1	2.1	2.1	2.1
155°	2.1	2.1	2.1	1.7	1.3	0.4	1.3	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	0.8	0.4	0.8	1.3	1.3	1.3	1.7
160°	1.3	1.3	1.3	1.3	0.8	0.4	0.8	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	1.3	0.8	0.8	0.8
165°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.8	0.8
167.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4
170°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4
172.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4
175°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4
177.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.4	0.4
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)