

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: P414743

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3814 lumens
Efficiency: N/A
Efficacy: 123.0 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

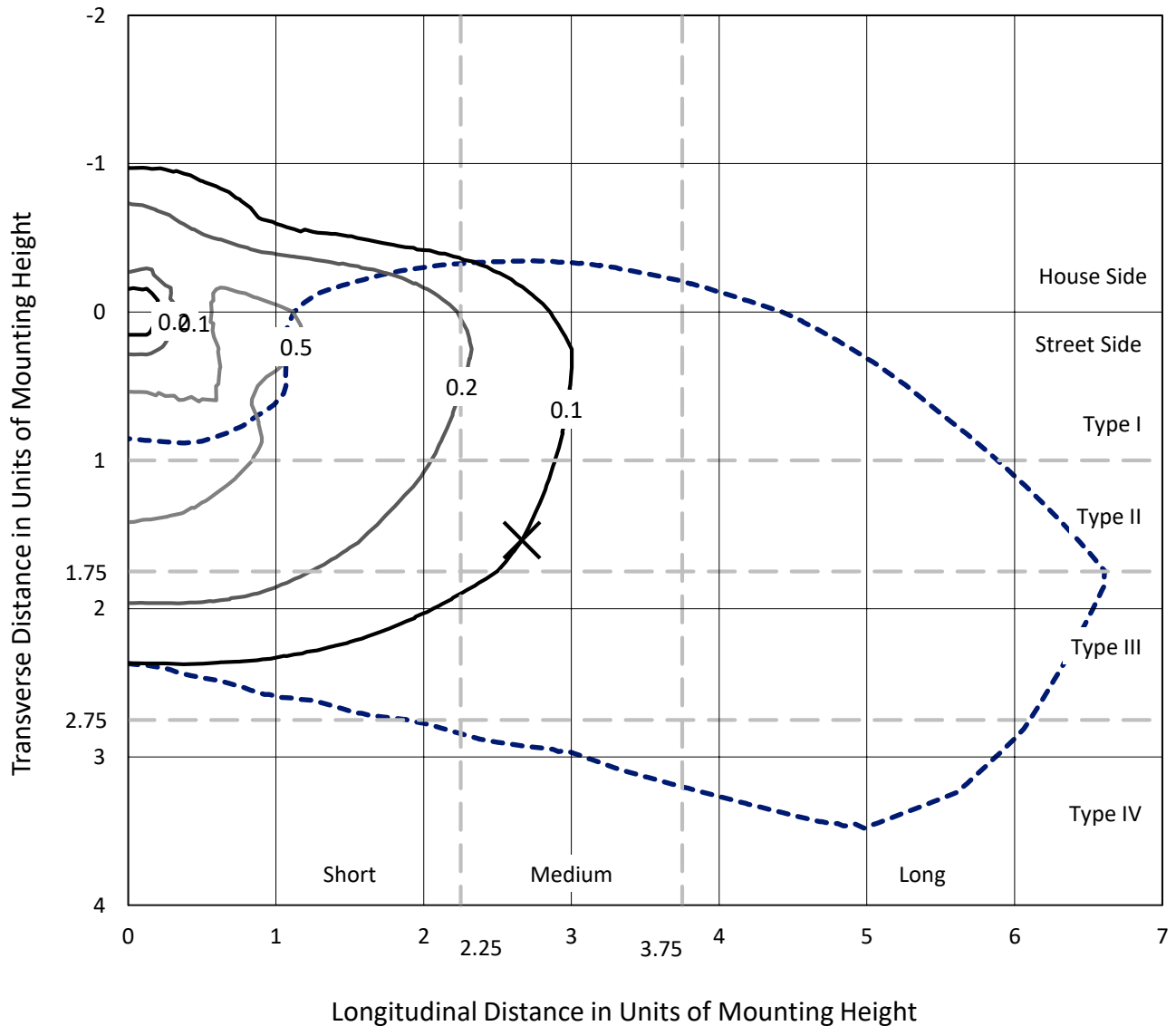
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414743
 CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

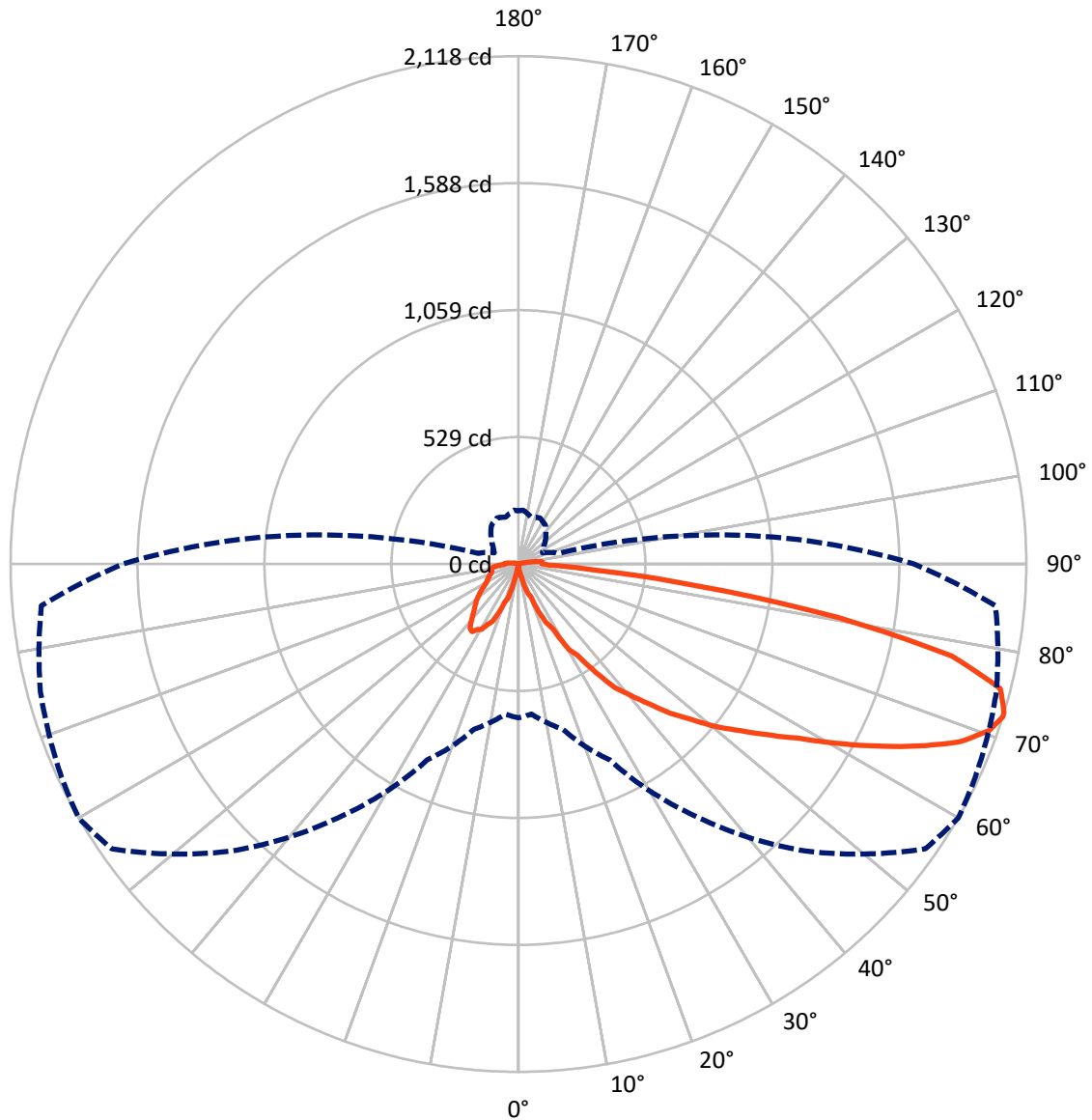
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P414743
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



REPORT NUMBER: P414743

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

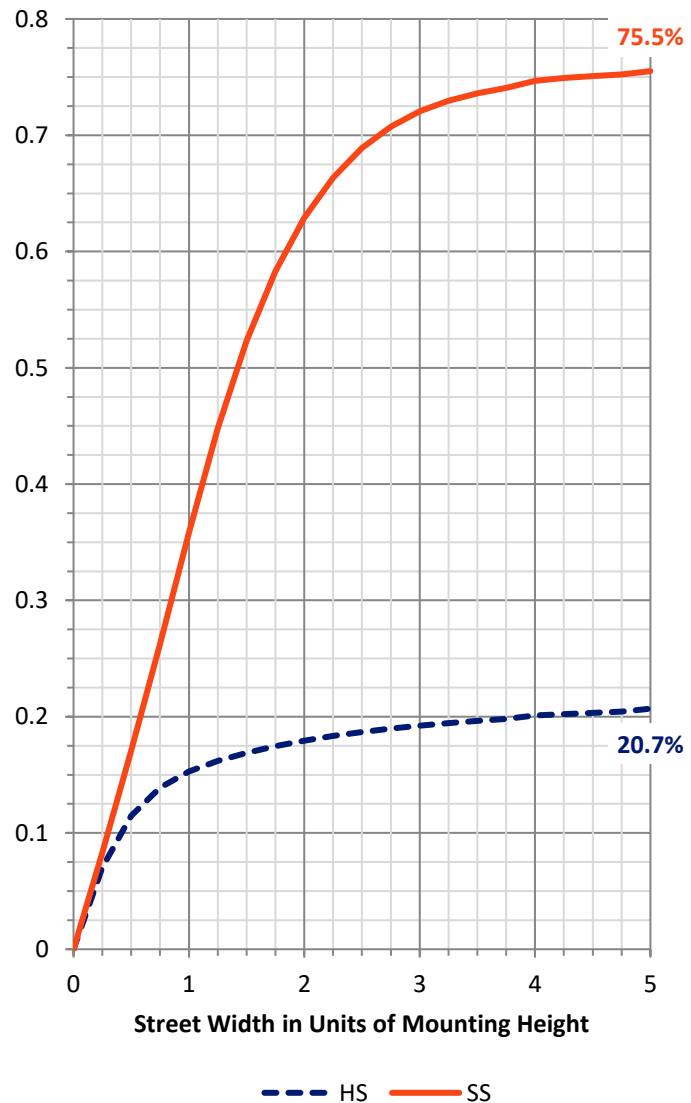
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.6	40.7	874.2
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2904.0	35.7	2939.8
	% Fixture	76.1	0.9	77.1
Total	Lumens	3737.6	76.4	3814.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	31.2	0.8
20°-30°	130.0	3.4
30°-40°	300.4	7.9
40°-50°	527.5	13.8
50°-60°	797.2	20.9
60°-70°	983.0	25.8
70°-80°	758.9	19.9
80°-90°	207.3	5.4
90°-100°	56.3	1.5
100°-110°	9.8	0.3
110°-120°	3.8	0.1
120°-130°	2.7	0.1
130°-140°	1.8	0.0
140°-150°	1.4	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3737.6	98.0
0°-180°	3814.0	100.0



REPORT NUMBER: P414743

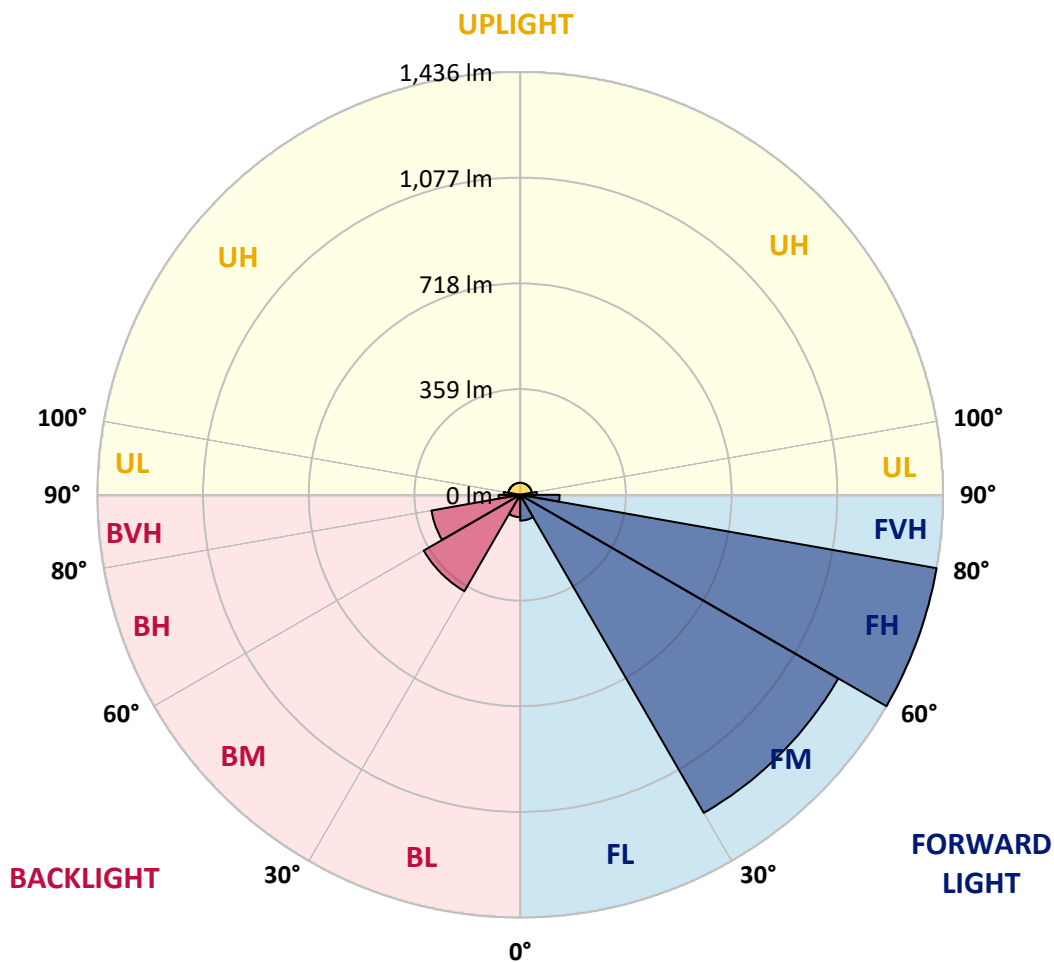
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.5	2.3			
FM (30°-60°)	1247.0	32.7			
FH (60°-80°)	1435.6	37.6			G1/1800
FVH (80°-90°)	133.9	3.5			G2/225
BL (0°-30°)	75.8	2.0	B0/110		
BM (30°-60°)	378.1	9.9	B1/1000		
BH (60°-80°)	306.3	8.0	B1/500		G1/500
BVH (80°-90°)	73.4	1.9			G1/100
UL (90°-100°)	56.3	1.5		U3/500	
UH (100°-180°)	40.7	1.1		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P414743

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.1	4.7	4.2	4.2	4.7	4.2	3.8	3.4	3.0	3.0	2.5
5°	47.4	46.1	45.7	36.8	16.9	13.1	5.9	4.7	3.8	3.0	2.5
7.5°	52.4	52.0	51.6	51.6	50.7	48.2	27.5	13.5	7.6	3.8	3.4
10°	60.0	59.2	56.7	55.4	54.1	53.3	49.5	46.9	21.1	6.3	5.5
12.5°	107.0	105.3	102.7	76.1	65.1	57.5	56.2	54.1	46.9	19.4	39.3
15°	115.0	114.6	112.9	111.6	108.2	71.9	87.1	99.4	112.5	91.7	102.3
17.5°	144.6	140.4	129.4	123.0	120.9	131.9	126.0	128.1	128.1	123.5	117.1
20°	216.1	213.1	207.6	183.1	137.8	170.0	166.6	141.6	145.9	180.5	209.7
22.5°	260.4	257.5	246.1	230.4	227.5	189.0	196.6	214.8	219.9	253.3	252.8
25°	353.5	348.0	323.4	277.4	283.3	244.0	274.4	270.2	257.1	279.0	286.7
27.5°	431.7	427.0	415.2	391.9	328.5	341.2	312.0	306.5	341.6	403.4	402.1
30°	517.9	492.6	460.9	453.7	406.7	386.9	394.5	412.7	425.8	431.7	446.5
32.5°	628.3	625.3	601.6	508.2	493.4	442.3	478.6	453.7	463.8	549.2	600.0
35°	704.8	712.4	670.6	614.8	544.6	543.3	528.1	553.0	601.6	613.5	648.6
37.5°	883.2	885.3	847.7	688.3	642.7	598.7	646.0	652.8	666.3	686.6	716.2
40°	1017.7	998.7	952.1	833.8	734.4	686.6	720.5	719.6	749.2	786.4	805.0
42.5°	1183.4	1162.3	1079.0	945.0	851.9	799.1	802.5	795.3	819.8	878.6	890.0
45°	1322.5	1313.2	1249.0	1107.7	981.7	918.3	895.5	886.6	898.9	972.9	979.2
47.5°	1454.0	1429.1	1387.2	1244.3	1170.3	1054.9	989.4	968.2	972.0	1056.2	1074.8
50°	1593.1	1551.3	1499.7	1374.1	1320.4	1226.5	1097.2	1064.2	1065.5	1143.3	1175.0
52.5°	1675.6	1609.2	1575.8	1471.8	1417.7	1370.7	1210.1	1153.0	1158.9	1232.5	1280.7
55°	1624.4	1604.5	1605.4	1543.2	1503.1	1448.1	1319.6	1255.7	1262.5	1348.7	1409.2
57.5°	1538.2	1553.4	1607.1	1604.5	1582.1	1528.4	1428.6	1369.0	1407.9	1480.2	1544.1
60°	1471.8	1489.1	1576.2	1621.0	1662.9	1623.6	1541.5	1515.7	1552.1	1615.1	1691.6
62.5°	1361.0	1375.0	1494.6	1613.0	1660.8	1704.7	1648.9	1672.2	1705.6	1758.9	1851.9
65°	1209.6	1206.3	1355.1	1539.4	1646.8	1750.0	1787.2	1829.9	1860.3	1917.4	2002.0
67.5°	1030.8	1047.7	1172.9	1380.9	1592.3	1772.8	1903.5	1981.7	2000.7	2022.7	2083.6
70°	841.8	841.0	950.5	1171.6	1475.2	1760.1	2013.8	2081.5	2081.9	2068.8	2086.9
72°	641.8	628.3	712.8	901.4	1281.1	1692.1	2070.5	2117.8	2102.2	2063.3	1996.9
72.5°	550.9	563.2	642.7	849.0	1194.0	1658.2	2076.4	2117.4	2100.5	2057.8	1969.8
75°	279.5	261.7	307.0	454.9	823.6	1339.9	2033.7	2076.0	2028.6	1975.3	1727.1
77.5°	109.5	112.5	130.2	196.6	400.8	882.4	1755.5	1847.6	1817.2	1779.6	1362.3
80°	76.9	76.9	87.1	112.0	205.5	358.5	1216.4	1350.4	1397.4	1416.0	911.1
82.5°	55.8	56.7	66.4	78.2	146.7	172.1	597.4	750.5	824.5	893.8	509.5
85°	52.0	52.0	53.3	52.4	104.9	122.6	217.3	320.5	370.4	434.2	205.9
87.5°	24.5	26.6	39.3	31.3	51.6	75.7	118.4	128.5	131.5	149.2	148.0
90°	16.1	16.1	13.1	13.5	25.4	61.3	95.1	97.2	93.4	109.5	137.8
92.5°	16.5	16.9	12.3	12.7	19.9	56.2	97.7	99.4	96.4	115.0	146.3
95°	15.2	15.2	10.6	11.0	15.6	43.1	97.7	99.4	90.9	114.6	146.3
97.5°	12.7	13.1	8.5	8.9	12.3	21.1	67.6	72.7	57.9	58.3	71.5
100°	11.0	11.0	6.8	7.2	8.9	9.7	34.2	35.9	32.1	14.4	9.7
102.5°	11.0	11.0	5.9	5.9	5.9	5.5	10.6	17.8	14.8	8.5	9.3
105°	10.6	11.0	5.5	4.7	4.7	4.2	5.5	6.8	6.8	6.8	9.7
107.5°	8.5	8.9	4.2	4.2	3.8	3.8	3.0	3.0	4.2	6.3	10.6



REPORT NUMBER: P414743

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.8	6.8	3.4	3.8	3.0	3.4	2.5	2.5	3.8	4.7	8.0
112.5°	3.8	3.8	2.5	3.0	2.5	3.0	2.5	2.5	3.0	3.8	5.1
115°	3.4	3.4	2.1	2.1	2.1	2.1	2.1	2.1	2.5	3.4	5.5
117.5°	3.4	3.4	2.1	2.1	2.1	1.7	1.7	2.1	2.1	3.4	5.5
120°	3.4	3.4	2.1	2.1	1.7	1.7	1.7	2.1	2.1	3.4	5.5
122.5°	3.8	3.4	2.1	1.7	1.7	1.7	1.7	1.7	2.1	3.0	5.5
125°	3.8	3.4	2.5	1.7	1.7	1.7	1.7	1.7	2.1	3.0	4.7
127.5°	3.8	3.8	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	4.2
130°	3.8	3.4	2.5	1.7	1.7	1.7	1.7	1.7	1.7	2.5	3.8
132.5°	3.4	3.4	2.5	1.7	2.1	1.7	1.7	1.7	1.7	2.1	3.0
135°	3.0	3.0	2.1	2.1	2.1	1.7	1.7	1.7	1.7	1.7	2.5
137.5°	3.0	3.0	2.5	2.1	2.1	2.1	1.7	1.7	1.7	1.7	2.1
140°	3.0	3.0	2.5	2.5	2.5	2.1	1.7	1.7	1.7	2.1	2.1
142.5°	3.4	3.4	3.0	2.5	2.5	2.1	1.7	1.7	2.1	2.1	2.1
145°	3.8	3.8	3.4	3.0	2.5	1.7	1.7	2.1	2.1	2.1	2.5
147.5°	3.8	3.8	3.4	2.5	2.1	1.7	1.7	2.1	2.1	2.5	2.5
150°	3.4	3.4	3.0	2.1	1.7	1.3	1.7	1.7	2.1	2.5	2.5
152.5°	2.5	2.5	2.1	1.7	1.3	0.8	1.3	1.7	1.7	2.1	2.5
155°	1.7	1.7	1.3	0.8	0.8	0.8	1.3	1.3	1.3	1.7	2.1
157.5°	0.8	0.8	0.4	0.4	0.8	0.8	0.8	1.3	1.3	1.3	1.7
160°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	1.3	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: P414743

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.4	3.8
5°	2.5	2.5	2.5	2.5	3.0	3.4	3.8	4.2	4.7	5.1	5.1
7.5°	3.0	3.0	3.0	3.4	3.8	4.7	10.6	37.2	50.7	55.4	54.1
10°	5.5	5.5	5.1	5.1	5.9	49.5	63.0	68.5	71.5	74.8	74.8
12.5°	44.0	50.7	18.2	10.1	49.0	69.3	74.4	78.2	80.8	84.1	84.1
15°	106.1	107.8	110.8	99.8	96.4	78.6	82.0	111.2	146.3	155.6	156.4
17.5°	119.2	121.3	123.5	146.3	155.6	120.5	138.7	156.0	159.4	162.8	162.8
20°	227.5	230.8	187.3	167.9	164.0	204.2	156.9	161.1	167.0	197.0	200.0
22.5°	257.9	260.0	243.5	254.1	186.0	213.5	206.3	206.3	230.8	232.5	233.0
25°	289.2	301.0	269.7	261.3	264.7	216.1	243.5	219.9	223.2	225.8	226.2
27.5°	422.0	420.3	394.9	298.9	265.5	261.7	236.3	216.9	253.7	263.4	263.8
30°	448.6	444.4	421.5	350.1	275.7	259.2	222.8	250.7	244.0	245.2	245.6
32.5°	616.9	610.1	545.4	354.3	287.9	239.3	241.8	233.4	234.2	260.4	261.3
35°	659.1	649.8	558.9	409.7	274.4	242.7	223.7	234.2	238.5	237.2	237.2
37.5°	715.8	698.0	554.7	385.2	285.4	227.0	213.9	221.1	218.6	234.7	233.8
40°	777.5	752.6	556.8	357.3	258.8	213.1	205.1	211.4	209.7	205.1	201.7
42.5°	856.2	813.0	556.4	334.0	234.2	208.4	193.6	193.2	186.0	178.4	175.9
45°	936.5	876.9	558.1	307.4	215.6	204.6	187.3	177.2	170.8	162.8	160.7
47.5°	1024.4	945.0	563.2	286.2	201.3	193.2	179.3	167.0	162.4	152.2	151.4
50°	1128.5	1016.4	564.9	269.3	184.3	183.1	173.3	159.8	152.6	142.5	141.6
52.5°	1240.5	1092.1	567.8	244.4	171.2	179.3	176.7	158.1	155.2	142.1	141.2
55°	1346.6	1164.0	567.0	214.4	165.3	175.9	176.7	169.1	164.5	142.9	141.2
57.5°	1474.3	1241.8	554.3	186.5	156.0	170.8	185.2	178.8	173.8	156.0	152.6
60°	1588.5	1322.1	516.7	164.9	148.0	165.3	192.4	186.0	171.7	160.2	156.9
62.5°	1722.1	1391.4	464.2	149.2	145.0	167.0	194.9	190.7	172.9	169.1	167.9
65°	1812.6	1417.7	384.7	136.6	144.6	167.0	194.1	194.9	182.2	186.0	185.6
67.5°	1823.5	1383.8	291.7	126.8	139.5	167.0	192.8	203.4	190.7	206.3	207.2
70°	1770.7	1299.3	212.7	117.1	134.0	164.9	193.2	208.9	197.0	221.5	219.9
72°	1648.9	1171.2	172.1	110.8	129.4	161.5	196.2	211.8	202.5	225.4	221.5
72.5°	1617.2	1131.8	164.5	109.9	128.5	161.1	197.0	212.7	202.9	229.2	224.5
75°	1353.4	901.4	141.2	103.6	129.8	159.0	201.3	212.2	205.5	231.7	232.5
77.5°	1025.3	607.6	125.1	98.1	129.4	155.2	200.0	208.9	201.7	222.8	227.5
80°	634.6	353.5	111.2	97.7	128.5	153.5	194.5	200.0	191.1	208.0	209.3
82.5°	347.1	206.8	96.4	96.0	124.7	148.8	183.9	189.8	181.4	200.0	186.9
85°	177.6	140.4	72.3	78.6	109.1	139.9	171.7	171.2	162.8	169.5	160.2
87.5°	137.0	110.4	46.9	56.7	89.2	115.4	141.2	139.9	129.0	129.8	126.0
90°	126.0	98.5	30.9	40.2	74.4	82.9	98.1	94.3	86.7	88.4	87.1
92.5°	126.8	97.2	29.6	42.7	71.5	74.4	90.1	85.4	77.8	78.6	76.1
95°	123.9	93.4	29.6	37.6	59.2	52.9	64.7	63.0	56.7	53.7	52.4
97.5°	59.2	46.5	27.5	27.9	33.4	28.8	39.3	42.3	33.8	27.1	27.1
100°	10.1	15.6	24.1	28.3	24.1	18.2	24.9	28.8	19.4	8.9	9.7
102.5°	10.1	9.7	18.6	24.1	17.3	9.7	14.4	19.0	12.3	6.8	7.2
105°	11.0	10.1	8.9	16.5	10.1	5.1	5.5	9.7	6.8	6.8	6.8
107.5°	11.8	11.0	6.3	6.3	5.1	4.7	4.2	3.8	4.7	6.8	7.2



REPORT NUMBER: P414743

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.9	8.9	5.9	5.1	4.7	4.7	3.4	3.4	4.7	7.2	7.2
112.5°	6.3	6.3	5.1	4.2	3.8	4.7	3.4	3.4	4.2	7.2	7.6
115°	6.3	6.3	4.7	3.8	3.4	3.8	3.4	3.0	4.2	7.2	7.6
117.5°	6.3	6.3	4.7	3.4	3.0	3.0	2.5	3.0	4.2	7.2	7.6
120°	6.3	6.3	4.7	3.4	3.0	2.5	2.5	2.5	4.2	7.2	7.6
122.5°	5.9	5.9	4.2	3.0	2.5	2.1	2.1	2.5	3.8	6.8	7.2
125°	5.5	5.5	3.8	3.0	2.5	2.1	2.1	2.1	3.8	6.3	6.8
127.5°	5.1	5.1	3.8	2.5	2.1	2.1	2.1	2.1	3.4	5.9	6.3
130°	4.2	4.2	3.4	2.5	2.1	1.7	2.1	2.1	3.4	5.5	5.5
132.5°	3.4	3.4	2.5	2.1	2.1	1.7	1.7	2.1	3.0	4.7	5.1
135°	2.5	2.5	2.5	2.1	2.1	1.7	1.7	1.7	2.5	3.8	4.2
137.5°	2.1	2.5	2.1	2.1	2.1	1.7	1.7	1.7	2.5	3.4	3.4
140°	2.1	2.1	2.1	2.1	2.1	1.7	1.7	1.7	2.5	3.0	3.4
142.5°	2.1	2.5	2.1	2.1	2.1	1.7	1.7	2.1	2.5	3.4	3.4
145°	2.5	2.5	2.5	2.1	2.1	1.3	1.3	2.1	2.5	3.4	3.4
147.5°	2.5	2.5	2.5	2.1	1.7	1.3	1.3	1.7	2.5	3.4	3.4
150°	2.5	2.5	2.5	2.1	1.7	0.8	0.8	1.7	2.1	3.0	3.4
152.5°	2.5	2.5	2.1	2.1	1.3	0.8	0.4	1.3	1.7	2.5	2.5
155°	2.1	2.1	2.1	1.7	1.3	0.4	0.0	0.4	1.3	2.1	2.1
157.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.0	0.4	0.4	1.3	1.3
160°	1.3	1.3	1.3	1.3	0.8	0.4	0.0	0.0	0.4	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

(END OF REPORT)