

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: P415168

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4926 lumens
Efficiency: N/A
Efficacy: 123.1 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): 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

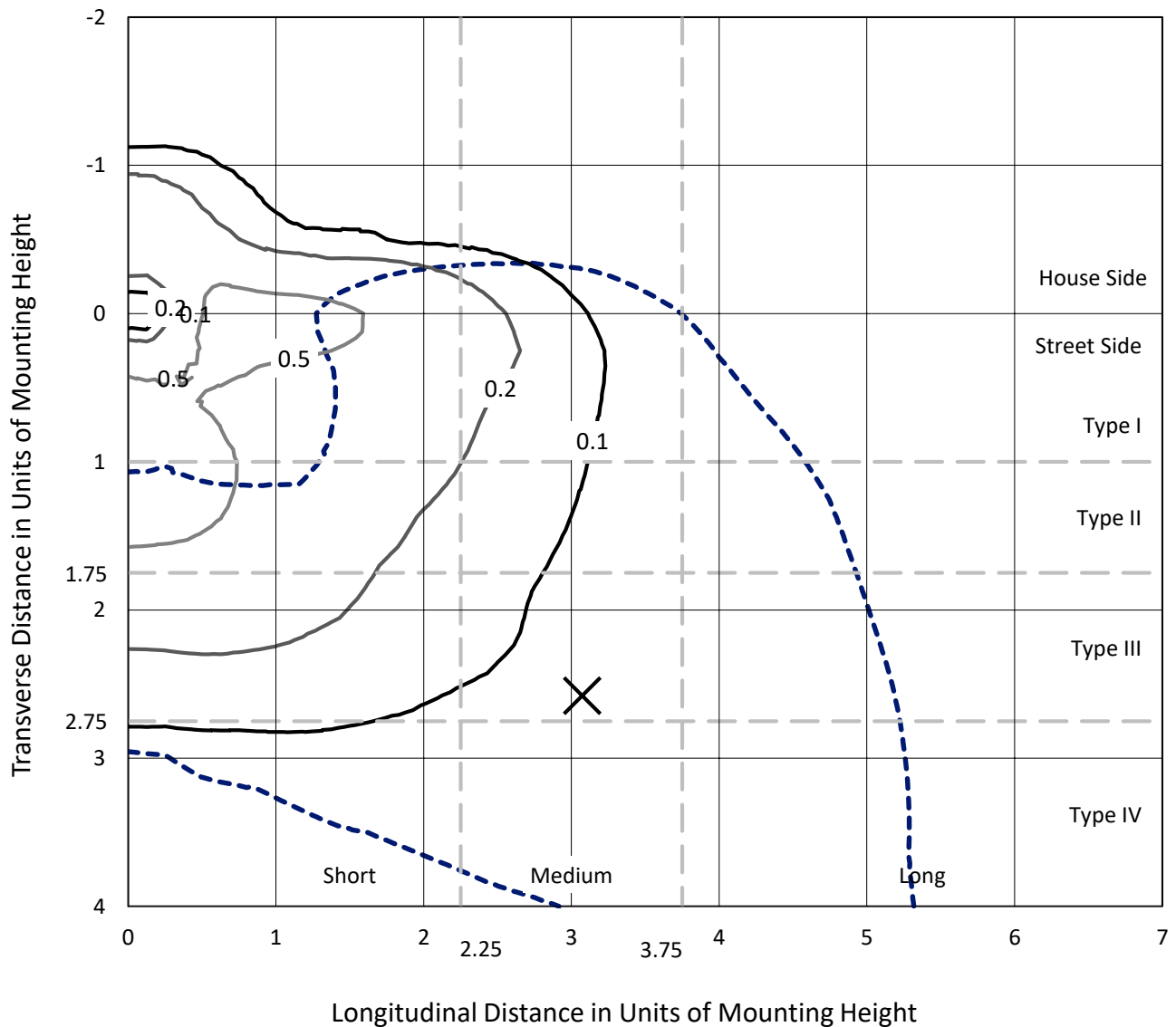


REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

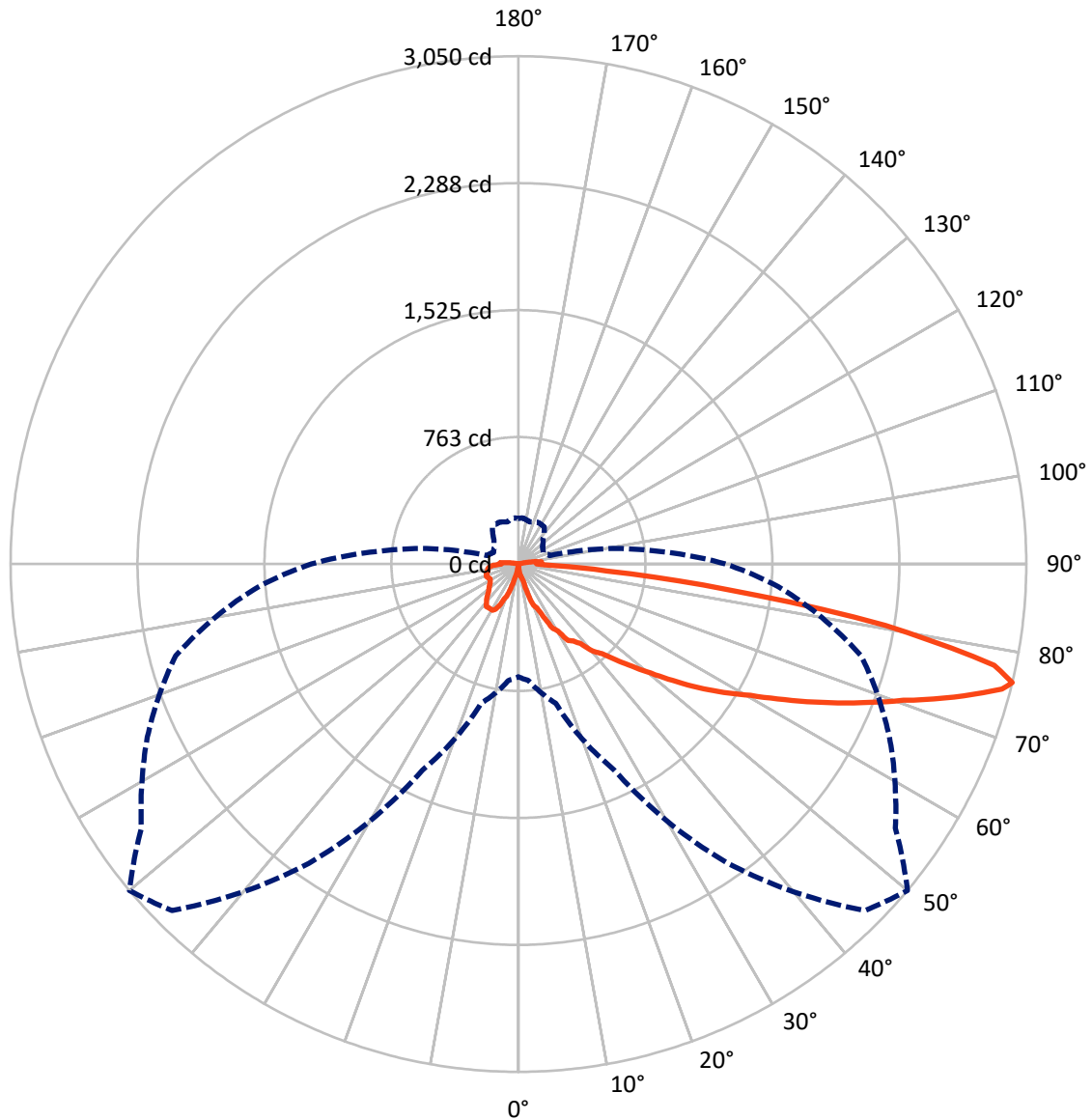


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

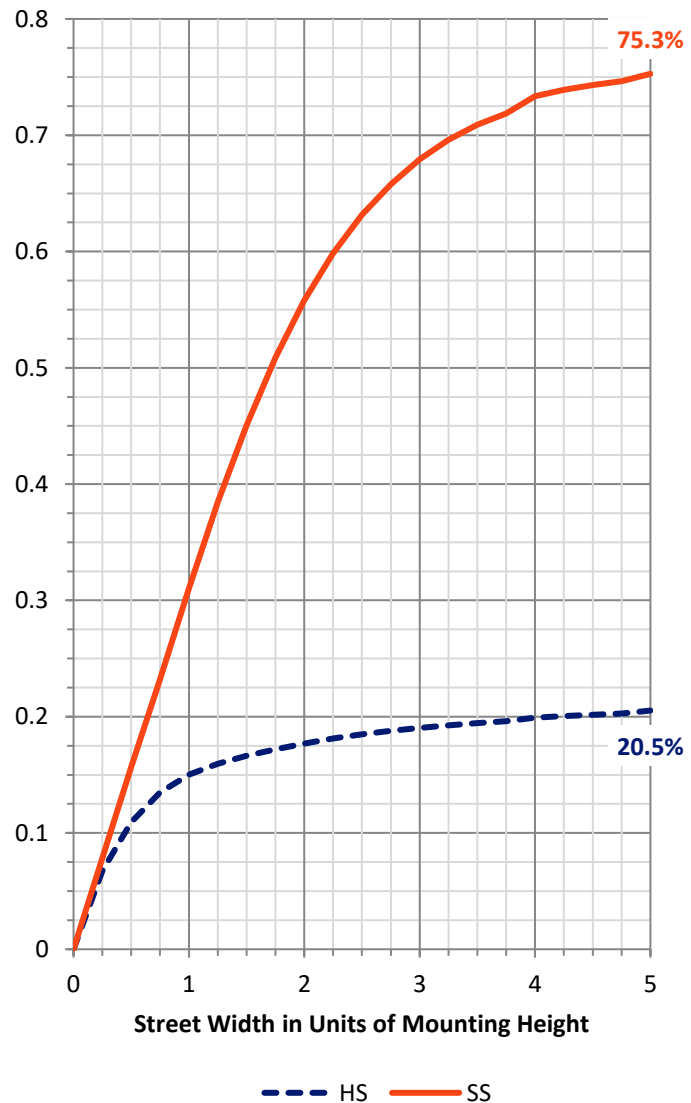
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1075.1	60.6	1135.7
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	3741.7	48.6	3790.3
	% Fixture	76.0	1.0	76.9
Total	Lumens	4816.8	109.2	4926.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	41.1	0.8
20°-30°	160.7	3.3
30°-40°	345.9	7.0
40°-50°	563.5	11.4
50°-60°	907.2	18.4
60°-70°	1321.4	26.8
70°-80°	1178.9	23.9
80°-90°	295.3	6.0
90°-100°	86.5	1.8
100°-110°	12.8	0.3
110°-120°	3.7	0.1
120°-130°	2.5	0.1
130°-140°	1.7	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°	4816.8	97.8
0°-180°	4926.0	100.0



REPORT NUMBER: P415168

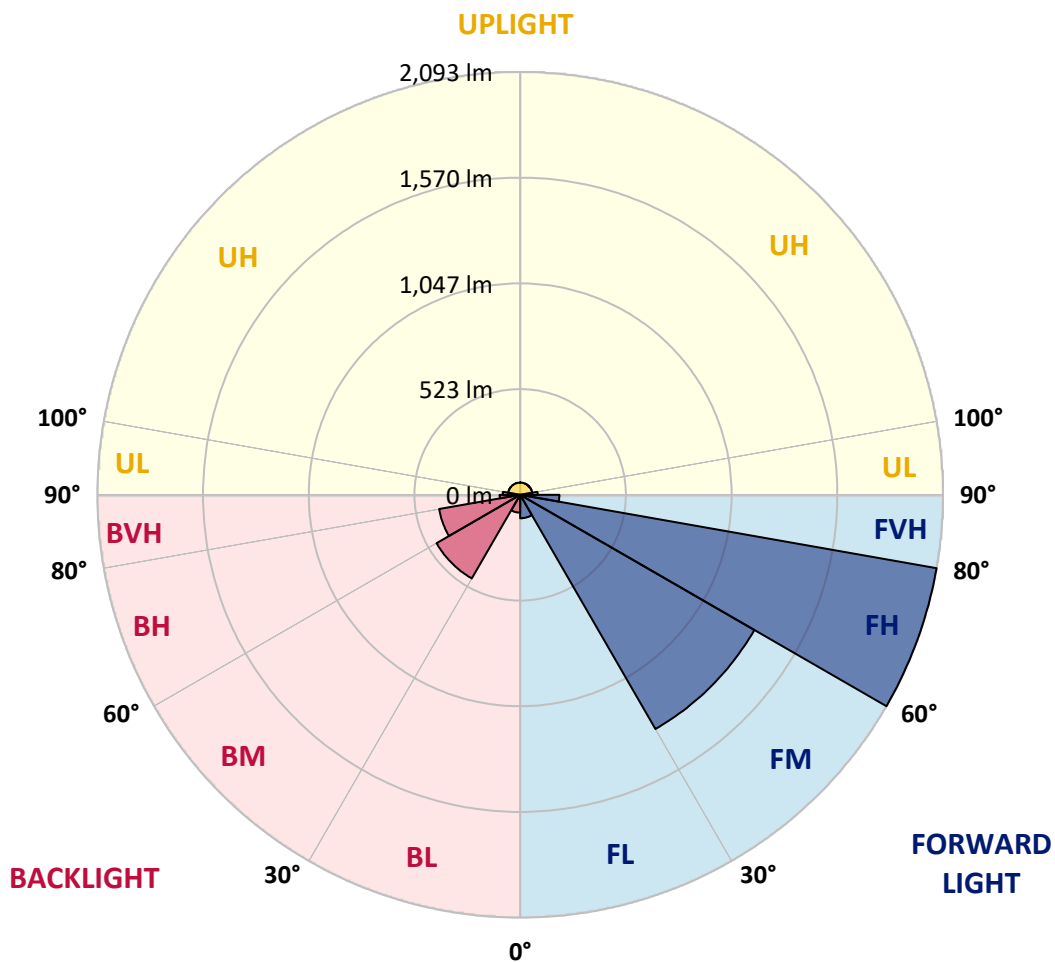
CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.1	2.4			
FM (30°-60°)	1338.6	27.2			
FH (60°-80°)	2093.1	42.5			G2/5000
FVH (80°-90°)	193.9	3.9			G2/225
BL (0°-30°)	88.4	1.8	B0/110		
BM (30°-60°)	478.0	9.7	B1/1000		
BH (60°-80°)	407.3	8.3	B1/500		G1/500
BVH (80°-90°)	101.4	2.1			G2/225
UL (90°-100°)	86.5	1.8		U3/500	
UH (100°-180°)	60.6	1.2		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	7.1	5.5	4.9	4.4	4.4	3.8	3.8	3.3	3.3	3.3	3.3
5°	69.0	66.8	61.9	57.5	19.7	16.4	13.7	10.4	3.8	3.8	3.3
7.5°	82.7	81.0	77.7	75.5	72.3	67.3	61.9	29.0	11.5	4.4	3.8
10°	108.4	100.2	93.6	88.1	84.3	76.1	73.9	69.5	19.2	8.2	6.0
12.5°	193.8	189.4	182.9	124.3	102.4	87.6	84.3	80.5	62.4	29.6	53.1
15°	213.5	209.1	202.6	194.3	182.3	107.8	101.3	125.9	161.0	121.0	126.5
17.5°	250.7	248.5	231.0	211.3	199.3	211.9	212.4	192.7	182.9	159.9	145.6
20°	347.6	345.4	335.6	285.2	225.6	267.7	266.6	256.8	205.3	236.0	254.0
22.5°	361.9	359.1	350.4	336.7	356.9	293.4	286.3	286.3	302.7	320.8	298.9
25°	476.3	473.5	406.8	354.2	382.7	349.3	350.4	387.6	335.0	352.0	336.1
27.5°	497.6	493.8	488.3	453.3	402.9	442.3	436.3	416.1	435.8	486.1	469.2
30°	580.8	538.7	520.6	500.4	475.7	468.6	465.9	502.6	516.8	513.5	518.4
32.5°	673.9	672.3	654.8	533.8	538.1	503.7	548.0	564.4	542.5	623.6	675.6
35°	809.7	753.8	719.9	639.4	560.0	582.5	567.2	584.1	659.1	666.8	716.6
37.5°	1017.7	1014.4	936.7	705.7	646.0	596.2	607.1	654.2	703.5	714.4	781.8
40°	1189.6	1173.7	1124.5	879.8	702.4	644.9	688.7	678.3	730.3	768.6	833.2
42.5°	1317.2	1332.0	1304.0	1018.3	815.7	722.1	735.2	721.5	769.7	841.4	907.1
45°	1439.3	1433.2	1452.4	1159.0	924.7	821.2	820.1	786.7	842.0	922.5	1009.0
47.5°	1538.9	1530.1	1549.8	1311.7	1050.0	911.0	918.6	875.4	928.5	1023.7	1160.1
50°	1650.0	1633.1	1646.2	1439.8	1213.7	1040.7	1030.3	996.9	1027.0	1156.8	1344.5
52.5°	1783.6	1771.6	1748.0	1567.4	1382.3	1174.3	1161.2	1128.9	1161.7	1322.1	1548.8
55°	1903.5	1889.8	1870.7	1743.1	1522.5	1310.1	1310.6	1278.3	1342.4	1502.8	1785.8
57.5°	2028.3	2021.8	2031.6	1939.6	1722.8	1451.9	1455.1	1435.4	1550.4	1688.4	2037.1
60°	2131.8	2121.9	2176.7	2140.5	1900.8	1613.9	1600.8	1622.1	1762.8	1882.2	2291.6
62.5°	2171.2	2177.8	2281.2	2325.6	2073.2	1788.5	1793.5	1822.5	1959.3	2114.3	2536.9
65°	1986.2	2009.2	2298.2	2357.9	2265.4	1982.3	2005.9	2000.9	2160.8	2285.1	2743.8
67.5°	1785.3	1811.5	2125.8	2366.1	2414.3	2210.1	2222.1	2173.4	2334.3	2391.8	2898.2
70°	1642.9	1663.2	1921.6	2319.6	2505.7	2447.7	2453.1	2362.8	2460.3	2517.2	2892.8
72.5°	1396.6	1417.9	1656.6	2143.8	2562.6	2735.6	2735.6	2536.4	2562.1	2514.5	2554.4
75°	943.8	952.0	1147.5	1664.3	2415.4	2970.5	2999.0	2725.8	2527.1	2284.0	1905.1
76°	677.7	702.9	866.6	1366.4	2193.7	2943.7	3050.4	2764.1	2458.6	2131.2	1567.9
77.5°	359.1	382.1	511.3	874.8	1779.2	2737.3	2921.8	2646.4	2241.8	1829.6	1159.5
80°	140.7	139.1	175.7	311.5	901.1	2082.0	2235.8	1950.6	1516.5	1059.9	550.7
82.5°	77.2	84.9	111.7	164.8	390.9	1148.6	1263.0	1029.2	774.1	488.9	321.9
85°	49.3	50.4	65.7	101.8	241.4	484.0	531.6	440.7	362.4	300.0	228.8
87.5°	29.6	30.7	34.5	47.1	119.3	142.3	155.5	182.9	208.0	206.4	197.6
90°	20.3	20.3	17.0	18.6	55.8	113.9	109.5	116.6	106.2	134.7	190.5
92.5°	19.7	19.7	16.4	17.0	47.6	126.5	127.0	126.5	112.2	137.4	200.4
95°	17.5	18.1	14.2	14.8	35.0	118.3	139.1	134.7	113.3	138.5	199.8
97.5°	14.8	15.3	10.9	12.6	23.5	79.9	103.5	105.7	70.6	70.1	90.3
100°	10.9	11.5	7.7	9.9	14.2	36.7	55.3	52.0	35.0	19.2	12.6
102.5°	10.4	10.9	6.6	7.7	8.8	12.6	20.3	15.3	13.1	10.9	10.9
105°	11.5	11.5	6.0	5.5	5.5	6.0	4.9	7.1	7.7	8.2	11.5
107.5°	9.9	10.4	4.4	4.4	3.8	3.8	3.3	3.3	4.4	7.1	12.6



REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	7.7	7.7	3.8	3.8	2.7	3.3	3.3	2.7	3.8	5.5	9.9
112.5°	4.4	4.9	2.2	3.3	2.2	2.7	2.7	2.2	3.3	3.8	5.5
115°	4.4	4.4	2.2	1.6	1.6	1.6	2.2	2.2	2.7	3.8	6.0
117.5°	4.4	4.4	2.2	1.6	1.1	1.6	1.6	1.6	2.7	3.8	6.0
120°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	1.6	2.7	3.8	6.0
122.5°	4.9	4.4	2.2	1.1	1.1	1.1	1.1	1.6	2.7	3.8	5.5
125°	4.9	4.4	2.2	1.1	1.1	1.1	1.1	1.6	2.2	3.3	4.9
127.5°	4.9	4.4	2.2	1.1	1.1	1.1	1.1	1.6	2.2	3.3	4.4
130°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	1.6	2.2	3.3	4.4
132.5°	4.4	3.8	2.2	1.1	1.1	1.1	1.1	1.6	2.2	2.7	3.8
135°	3.8	3.3	2.2	1.1	1.6	1.1	1.6	1.6	2.2	2.7	3.3
137.5°	3.3	3.3	2.2	1.6	1.6	1.6	1.6	1.6	2.2	2.7	2.7
140°	3.8	3.3	2.2	2.2	1.6	1.6	1.6	1.6	2.2	2.7	2.7
142.5°	4.4	3.8	2.7	2.2	2.2	1.6	1.6	2.2	2.2	2.7	2.7
145°	4.4	4.4	3.3	2.7	1.6	1.6	1.6	2.2	2.7	2.7	3.3
147.5°	4.9	4.4	3.3	2.7	1.6	1.1	1.6	1.6	2.7	3.3	3.3
150°	4.4	4.4	2.7	2.2	1.1	0.5	1.1	1.6	2.7	3.3	3.3
152.5°	3.3	3.3	2.2	1.1	0.5	0.5	1.1	1.6	2.2	2.7	3.3
155°	2.2	2.2	1.1	0.5	0.0	0.5	0.5	1.1	1.6	2.2	2.7
157.5°	1.1	1.1	0.5	0.0	0.0	0.5	0.5	1.1	1.6	2.2	2.2
160°	0.5	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1	1.6	1.6
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: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.3	2.7	2.7	2.2	2.2	1.6	1.6	1.6	1.6	2.2	2.7
5°	3.3	3.3	2.7	2.7	2.7	2.2	2.2	3.3	3.8	4.4	4.4
7.5°	3.3	3.3	3.3	2.7	3.3	4.4	17.5	50.4	55.3	58.6	59.7
10°	6.0	5.5	4.9	4.4	8.2	55.8	69.0	75.0	77.7	80.5	80.5
12.5°	57.5	57.5	23.5	13.1	56.4	75.0	78.8	83.2	87.0	90.9	91.4
15°	124.8	123.2	118.8	108.9	94.2	84.9	88.7	131.4	154.4	164.8	163.1
17.5°	142.9	140.7	138.0	157.1	163.7	130.8	152.7	169.7	174.6	180.1	179.6
20°	265.0	262.2	204.2	182.9	179.0	219.5	174.6	178.5	187.2	238.7	240.3
22.5°	296.7	293.4	273.2	278.7	209.1	238.1	230.5	241.4	269.3	277.6	278.7
25°	347.6	334.5	309.9	291.2	296.2	248.5	286.9	268.8	279.2	289.1	290.7
27.5°	481.2	473.5	429.8	326.3	302.2	311.0	298.9	292.3	349.3	370.1	371.7
30°	518.4	510.8	456.0	377.7	318.6	318.6	301.1	364.6	367.3	378.3	381.0
32.5°	704.6	689.2	579.8	383.8	330.7	304.4	341.1	359.1	402.9	435.8	441.2
35°	747.8	734.7	598.4	438.5	319.7	317.0	321.9	378.3	410.6	430.3	434.7
37.5°	792.7	777.9	596.2	417.7	338.9	302.2	313.1	353.7	400.2	451.1	457.7
40°	854.0	836.0	598.9	390.9	317.5	285.8	294.0	339.4	371.2	402.9	408.4
42.5°	936.1	900.0	603.8	366.8	292.9	278.7	280.3	306.6	321.4	334.5	334.5
45°	1046.7	988.2	605.5	341.6	268.3	262.2	264.4	276.5	281.9	273.7	269.9
47.5°	1195.1	1097.1	625.7	319.2	247.4	244.2	245.8	249.6	246.9	225.6	221.7
50°	1368.1	1225.2	636.7	299.5	232.1	231.6	228.8	228.8	219.0	194.9	193.3
52.5°	1559.2	1377.9	646.0	275.4	221.2	223.9	223.9	212.4	197.6	178.5	176.8
55°	1801.7	1554.2	659.7	254.6	211.9	211.3	217.3	203.1	187.8	171.4	171.4
57.5°	2042.6	1740.9	676.1	236.5	201.5	202.6	211.3	199.8	191.6	185.0	184.5
60°	2283.4	1933.6	649.8	220.1	197.6	195.4	209.7	212.4	202.6	206.4	210.2
62.5°	2509.5	2056.8	544.2	205.8	190.5	193.8	223.9	240.9	237.6	233.8	234.9
65°	2616.3	2082.0	441.2	193.3	185.6	205.3	246.9	272.6	261.7	249.1	248.0
67.5°	2634.4	2016.8	324.6	185.6	182.9	225.6	265.0	279.7	263.3	258.4	254.0
70°	2507.3	1851.5	259.5	177.4	185.0	228.8	276.5	278.1	266.1	271.5	266.1
72.5°	2132.3	1542.2	227.2	169.7	185.6	220.6	276.5	278.7	265.0	280.8	278.1
75°	1526.9	1081.2	202.0	163.1	179.6	211.3	272.6	278.1	261.7	279.2	274.8
76°	1243.8	857.9	194.9	164.8	176.8	208.0	271.5	276.5	262.2	278.1	273.7
77.5°	821.7	560.6	182.9	163.7	171.9	206.4	268.8	274.3	261.7	274.8	270.4
80°	439.6	317.5	164.8	152.7	165.9	207.5	266.6	268.8	251.3	266.1	260.6
82.5°	289.6	236.5	142.3	138.5	159.9	209.1	265.5	262.2	242.5	266.1	251.3
85°	227.2	195.4	106.8	111.1	145.6	202.0	262.2	252.9	234.9	241.4	232.7
87.5°	192.7	161.0	64.1	79.4	127.6	171.9	232.7	209.1	198.7	205.3	201.5
90°	181.2	142.3	36.1	55.8	95.8	114.4	146.7	136.3	131.9	139.6	138.0
92.5°	182.9	139.1	35.6	53.1	102.4	123.2	151.6	139.6	126.5	126.5	124.8
95°	174.6	129.7	35.0	42.2	92.5	119.9	142.3	125.4	101.8	96.9	95.3
97.5°	76.1	63.0	32.8	32.3	53.1	82.7	103.5	89.8	67.3	52.6	52.6
100°	12.6	20.3	28.5	31.2	31.2	43.8	58.6	55.3	32.3	17.0	17.5
102.5°	13.1	11.5	19.7	25.7	20.3	18.1	26.8	33.4	21.4	6.6	7.1
105°	13.7	12.0	9.9	18.1	11.5	6.0	8.2	15.3	9.9	6.6	6.6
107.5°	14.8	12.6	6.0	6.6	4.9	4.9	4.4	3.8	4.9	6.6	7.1



REPORT NUMBER: P415168

CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.5	10.4	5.5	4.9	4.4	4.9	3.3	3.3	3.8	6.6	7.1
112.5°	6.6	6.6	4.9	3.8	3.8	4.4	2.7	2.7	3.8	7.1	7.1
115°	6.6	6.6	4.4	3.3	2.7	3.3	2.7	2.2	3.8	7.1	7.7
117.5°	6.6	6.6	4.4	3.3	2.7	2.2	2.2	2.2	3.8	7.1	7.7
120°	6.6	6.0	3.8	2.7	2.7	1.6	1.6	1.6	3.3	7.1	7.7
122.5°	6.0	6.0	3.8	2.7	2.2	1.6	1.6	1.6	3.3	6.6	7.1
125°	5.5	5.5	3.8	2.7	2.2	1.6	1.1	1.6	3.3	6.0	6.6
127.5°	4.9	4.9	3.3	2.7	2.2	1.6	1.1	1.6	3.3	6.0	6.6
130°	4.4	4.4	3.3	2.2	2.2	1.1	1.1	1.1	3.3	5.5	6.0
132.5°	3.8	3.8	2.7	2.2	1.6	1.1	0.5	1.1	2.7	4.9	4.9
135°	3.3	3.3	2.7	2.2	1.6	1.1	0.5	1.1	2.2	3.8	4.4
137.5°	2.7	2.7	2.2	2.2	1.6	1.1	0.5	1.1	1.6	3.3	3.3
140°	2.7	2.7	2.2	2.2	1.6	1.1	0.5	1.1	1.6	2.7	3.3
142.5°	2.7	2.7	2.2	2.2	1.6	1.1	0.5	1.1	1.6	2.7	3.3
145°	3.3	2.7	2.7	2.2	1.6	1.1	0.5	1.1	2.2	3.3	3.3
147.5°	3.3	3.3	2.7	2.2	1.6	1.1	0.5	1.1	2.2	3.3	3.3
150°	3.3	3.3	2.7	2.2	1.6	0.5	0.0	0.5	1.6	2.7	3.3
152.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0	0.0	1.1	2.2	2.2
155°	2.7	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.5	1.1	1.1
157.5°	2.2	2.2	1.6	1.1	0.5	0.5	0.0	0.0	0.0	0.5	0.5
160°	1.6	1.6	1.1	1.1	0.5	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)