

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: P266061

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-SL3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3445.1 lumens
Efficiency: N/A
Efficacy: 86.1 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 - 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

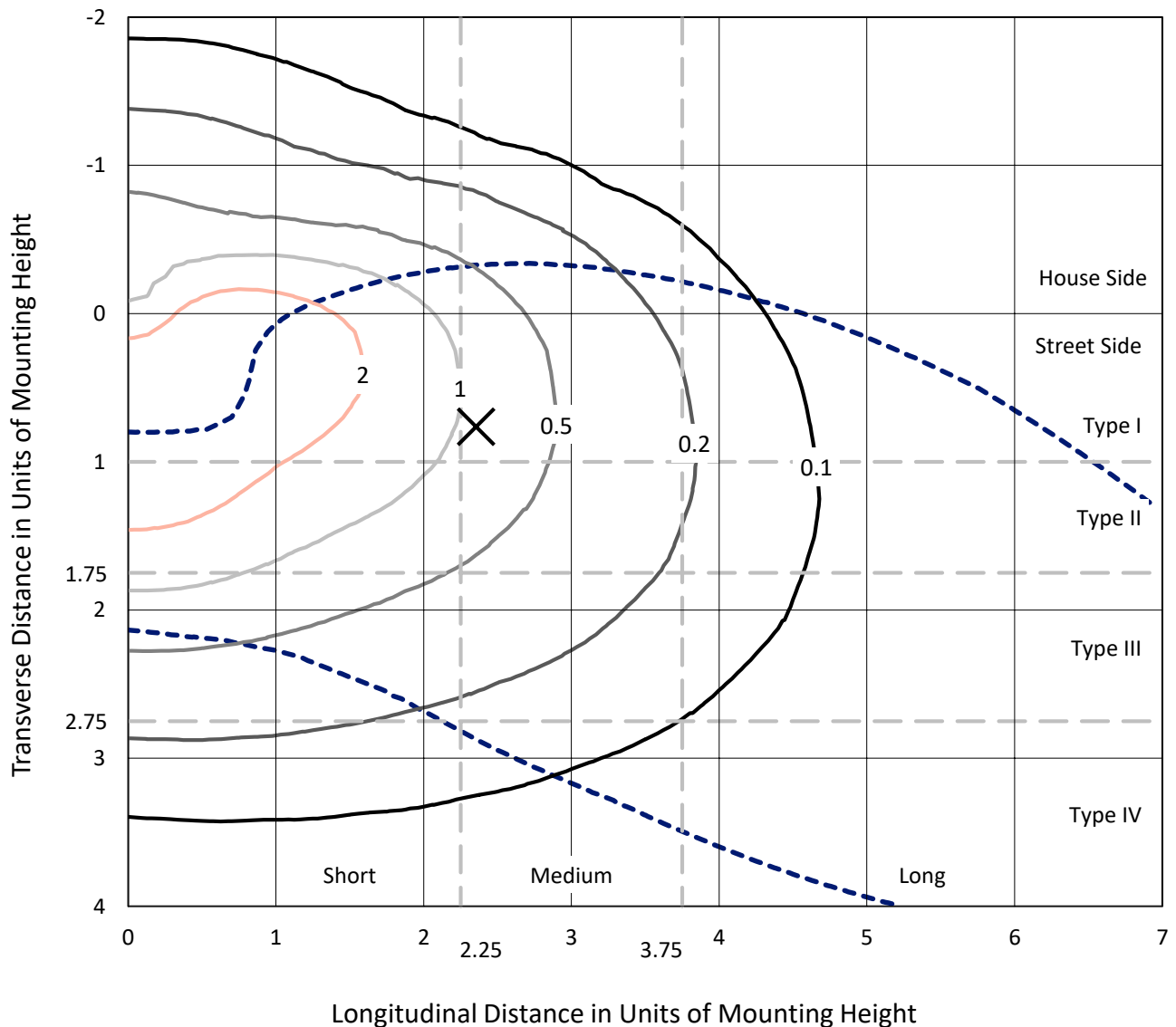


REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

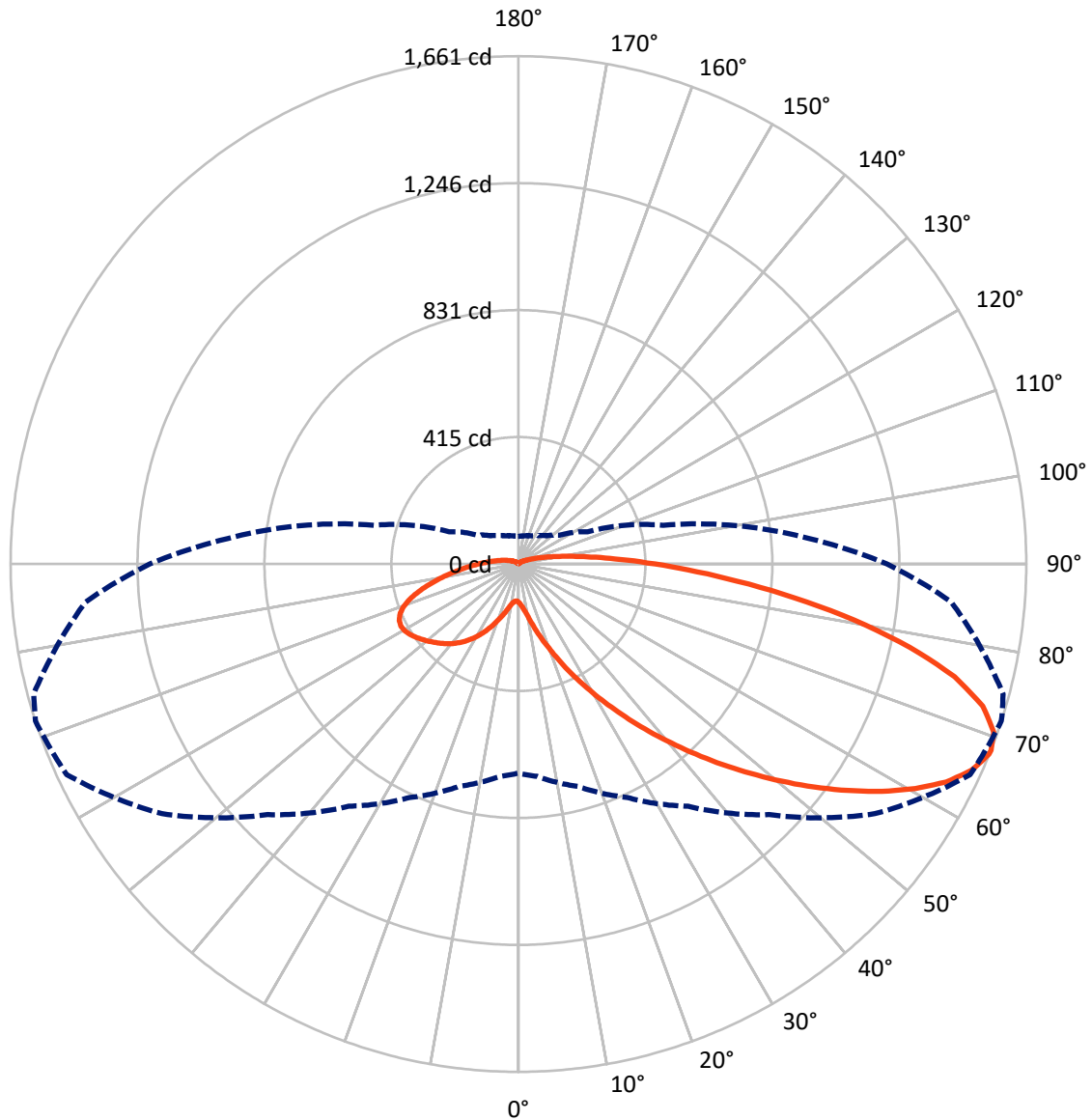


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

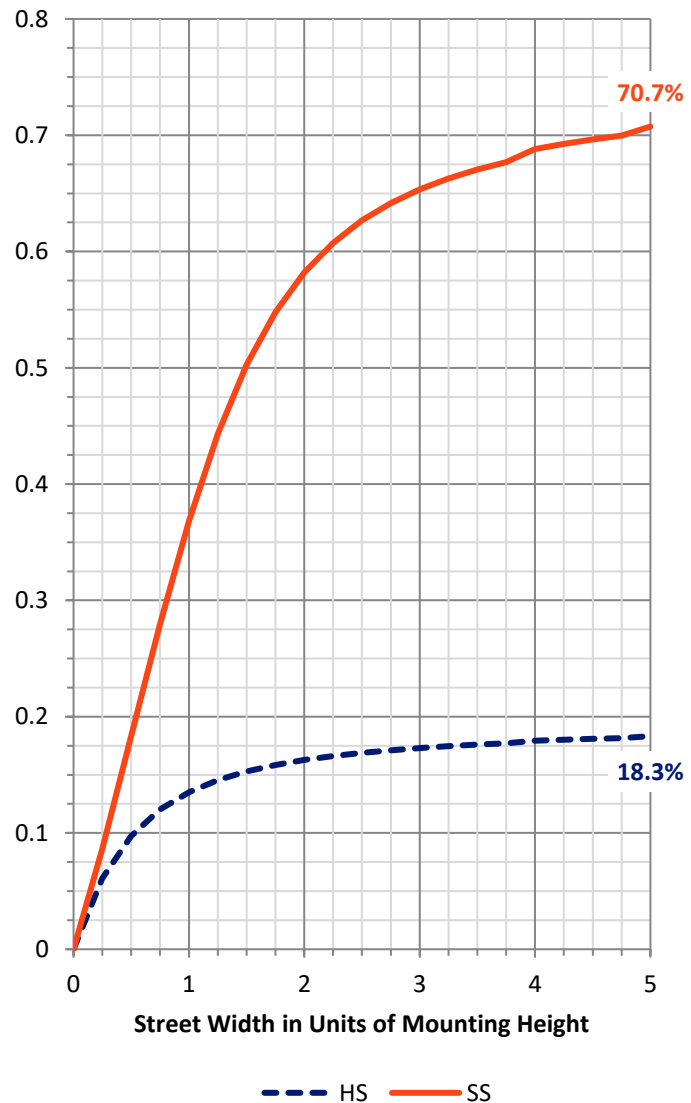
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	662.1	78.9	741.0
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	2541.5	162.6	2704.1
	% Fixture	73.8	4.7	78.5
Total	Lumens	3203.6	241.5	3445.1
	% Fixture	93.0	7.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.4
10°-20°	54.7	1.6
20°-30°	135.3	3.9
30°-40°	264.7	7.7
40°-50°	441.0	12.8
50°-60°	628.2	18.2
60°-70°	727.8	21.1
70°-80°	607.8	17.6
80°-90°	330.9	9.6
90°-100°	138.9	4.0
100°-110°	57.8	1.7
110°-120°	26.1	0.8
120°-130°	12.2	0.4
130°-140°	5.1	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3203.6	93.0
0°-180°	3445.1	100.0

Coefficient of Utilization



REPORT NUMBER: P266061

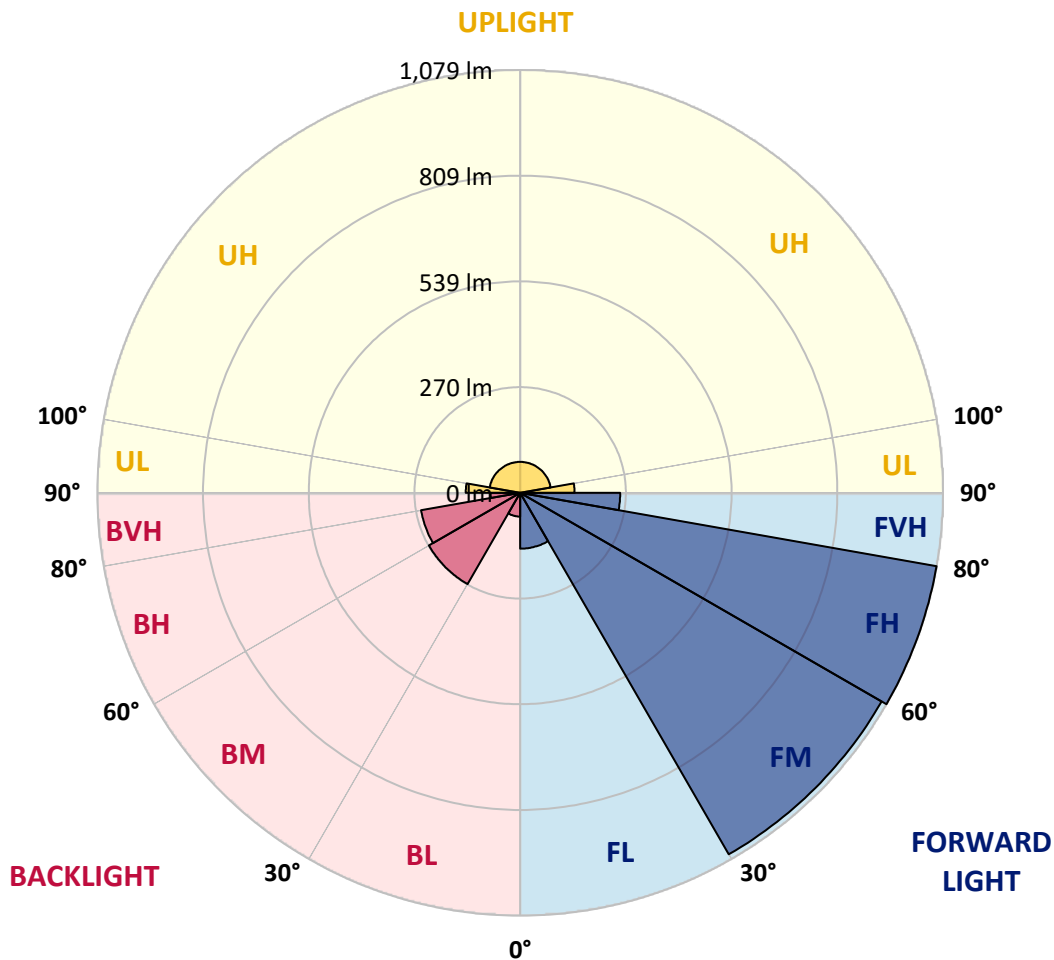
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.5	4.1			
FM	(30°-60°)	1065.0	30.9			
FH	(60°-80°)	1078.9	31.3			G1/1800
FVH	(80°-90°)	255.1	7.4			G3/500
BL	(0°-30°)	60.6	1.8	B0/110		
BM	(30°-60°)	268.9	7.8	B1/1000		
BH	(60°-80°)	256.8	7.5	B1/500		G1/500
BVH	(80°-90°)	75.8	2.2			G1/100
UL	(90°-100°)	138.9	4.0		U3/500	
UH	(100°-180°)	78.9	2.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2.5°	143.4	143.4	143.8	142.6	141.2	139.9	136.8	134.1	132.1	130.8	128.1
5°	163.0	163.4	162.6	161.2	159.0	155.9	151.6	146.5	142.0	141.2	135.0
7.5°	186.0	186.0	185.2	183.1	180.4	176.0	169.5	162.6	156.5	155.0	146.0
10°	212.5	212.5	212.2	208.6	204.8	199.6	191.7	184.3	176.0	173.5	161.2
12.5°	244.0	243.6	242.3	238.0	233.1	226.6	217.8	208.6	201.0	197.7	183.1
15°	277.9	277.9	276.3	270.6	264.9	257.1	249.2	241.4	231.4	227.9	209.1
17.5°	315.5	315.0	311.5	306.3	298.4	292.4	284.9	275.8	264.9	260.6	238.8
20°	357.7	356.4	351.6	344.7	337.7	329.9	322.4	309.7	300.7	298.1	272.7
22.5°	405.7	403.5	397.4	387.8	379.5	369.9	362.0	351.1	343.0	338.1	313.2
25°	459.3	458.3	450.9	435.3	423.6	412.6	404.7	399.6	392.1	385.2	356.4
27.5°	517.7	515.4	503.2	487.6	469.3	457.1	449.6	445.6	441.3	437.5	403.9
30°	580.3	579.0	563.0	543.4	519.0	503.2	498.0	498.5	497.7	493.7	456.6
32.5°	648.3	647.5	627.5	602.7	572.1	551.2	549.9	556.4	557.7	555.2	513.3
35°	721.1	720.3	697.2	666.3	627.8	603.4	605.2	617.9	623.6	621.3	573.8
37.5°	795.2	794.3	770.3	732.5	685.3	657.5	662.7	683.6	694.5	692.9	638.3
40°	876.7	868.8	844.0	798.7	745.1	714.2	725.9	753.8	769.8	763.7	705.9
42.5°	947.3	941.6	914.6	864.0	805.6	777.4	791.6	828.2	850.1	848.3	778.2
45°	1009.5	1006.9	980.4	926.3	866.1	837.8	860.9	908.0	935.0	930.3	854.5
47.5°	1065.7	1061.3	1037.1	982.6	922.0	901.4	932.9	989.9	1023.4	1020.5	933.2
50°	1103.7	1102.0	1080.7	1028.6	973.9	956.3	1008.3	1078.9	1116.8	1113.3	1015.3
52.5°	1121.1	1120.6	1106.3	1062.8	1018.3	1020.8	1085.0	1170.0	1211.8	1210.3	1100.2
55°	1115.4	1114.9	1109.8	1081.0	1053.2	1074.5	1161.6	1262.7	1308.0	1307.2	1182.4
57.5°	1081.9	1083.6	1090.6	1080.1	1076.2	1123.7	1235.7	1353.3	1403.1	1400.4	1263.1
60°	1017.8	1021.7	1044.0	1057.0	1082.7	1158.5	1304.1	1442.7	1491.5	1487.1	1336.3
62.5°	929.8	939.0	972.1	1011.8	1069.7	1182.1	1365.1	1522.0	1570.2	1561.2	1387.3
65°	824.9	835.2	880.1	945.5	1037.1	1185.6	1408.6	1586.9	1628.6	1616.9	1422.6
67.5°	708.0	721.1	775.5	861.5	981.7	1166.9	1424.4	1626.9	1660.1	1641.4	1426.1
68°	684.1	697.2	753.4	842.7	967.3	1159.4	1424.0	1630.5	1661.3	1641.4	1420.8
70°	590.8	604.7	666.3	765.0	910.3	1122.4	1406.9	1626.6	1649.6	1625.3	1386.1
72.5°	484.5	498.5	560.4	665.4	822.6	1046.2	1347.2	1577.8	1588.7	1559.8	1302.0
75°	389.1	403.5	463.2	569.0	727.6	955.4	1248.4	1475.7	1473.6	1440.1	1175.2
77.5°	308.1	321.1	377.7	478.0	630.0	844.9	1121.1	1323.7	1309.3	1274.1	1013.8
80°	242.3	254.0	305.5	397.4	535.8	729.0	969.0	1138.5	1114.5	1078.3	840.5
82.5°	189.2	200.1	245.2	326.9	449.2	616.1	805.6	943.0	909.8	876.7	674.1
85°	147.7	156.5	196.5	266.6	371.2	509.3	662.7	752.9	718.0	689.3	525.5
87.5°	115.4	122.9	156.8	216.5	306.3	413.8	528.6	586.5	553.7	530.3	403.0
90°	90.5	95.8	126.3	175.6	247.0	333.8	415.2	450.1	420.9	402.6	307.6
92.5°	71.9	75.7	100.6	142.6	199.2	264.9	321.6	341.1	316.7	303.3	233.5
95°	57.5	60.5	81.4	116.3	162.1	209.6	247.6	257.5	238.3	227.9	177.3
97.5°	47.0	49.2	67.2	94.5	129.8	166.5	191.7	195.7	179.9	172.1	135.6
100°	39.3	40.6	55.3	78.4	105.5	132.5	149.5	149.8	136.8	130.3	103.2
102.5°	33.1	34.0	46.3	65.3	87.1	106.3	117.7	115.4	103.8	98.5	79.3
105°	28.3	29.1	38.7	54.8	72.8	86.2	92.9	89.3	79.3	75.4	61.4
107.5°	24.9	25.2	32.7	46.3	61.1	71.1	75.0	70.2	61.4	57.9	48.4



REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	21.7	22.2	27.8	39.6	51.5	59.6	61.1	55.3	47.9	45.4	38.7
112.5°	19.1	19.7	24.4	33.5	43.9	50.1	50.6	44.5	37.9	35.8	31.4
115°	17.4	17.8	21.4	28.7	37.5	42.3	41.9	35.8	30.1	28.3	25.7
117.5°	16.1	16.6	19.1	24.9	32.2	35.8	34.9	29.1	24.4	23.0	21.7
120°	14.8	15.2	17.0	21.4	27.5	30.5	28.7	23.5	20.0	19.1	18.2
122.5°	14.0	14.0	15.2	18.8	23.5	25.7	24.0	19.7	16.6	15.7	15.7
125°	12.7	13.0	14.0	16.1	20.0	21.7	20.0	16.1	13.6	13.6	13.6
127.5°	12.1	12.1	12.7	14.4	17.0	18.2	16.6	13.0	11.3	11.3	11.8
130°	11.3	11.3	11.3	12.7	14.4	14.8	13.0	10.5	9.6	9.6	10.1
132.5°	10.5	10.5	10.5	10.9	11.8	11.8	10.5	8.8	8.3	8.3	8.8
135°	9.6	9.6	9.2	9.2	9.6	9.2	8.3	6.9	6.6	6.9	7.4
137.5°	8.3	8.3	8.3	7.8	7.4	6.9	5.7	5.2	5.2	5.7	6.1
140°	6.9	6.9	6.9	6.1	5.7	4.9	4.0	3.6	4.0	4.3	4.9
142.5°	5.7	5.7	5.7	4.9	4.0	3.1	2.2	2.2	2.6	3.1	3.6
145°	4.3	4.3	4.3	3.6	2.6	1.7	1.3	1.7	2.2	2.2	2.6
147.5°	3.1	3.1	3.1	2.2	1.3	0.4	0.4	1.3	1.7	1.7	2.2
150°	1.7	1.7	1.7	0.9	0.4	0.0	0.0	0.9	1.3	1.3	1.7
152.5°	0.4	0.4	0.9	0.4	0.0	0.0	0.0	0.4	0.9	0.9	1.3
155°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
160°	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2.5°	126.3	125.0	122.0	118.9	116.3	114.2	112.4	111.5	110.8	110.2	109.4
5°	132.1	128.9	122.9	117.1	112.0	107.6	103.2	100.6	99.0	97.6	97.1
7.5°	141.7	136.8	127.6	118.9	110.8	102.9	97.6	94.1	91.1	89.3	88.9
10°	155.5	149.5	136.0	123.2	112.0	102.0	94.5	89.3	85.9	84.1	84.1
12.5°	175.6	166.5	148.6	131.2	115.4	102.9	93.7	88.9	86.2	85.0	85.0
15°	200.4	188.3	165.2	142.6	122.3	106.8	97.6	92.3	89.8	88.5	88.5
17.5°	227.9	212.2	183.4	154.7	129.4	113.7	102.0	95.8	92.9	91.4	91.4
20°	259.3	241.4	203.0	166.8	138.6	120.3	106.8	99.0	95.8	95.0	94.5
22.5°	295.0	271.8	224.3	179.5	147.7	125.6	110.8	101.5	99.0	98.1	98.1
25°	334.6	306.7	247.6	193.0	155.0	129.4	113.7	104.6	101.5	101.1	100.6
27.5°	376.5	343.8	270.6	206.2	160.7	131.6	115.4	107.2	103.8	103.8	103.2
30°	425.3	382.6	292.8	217.0	164.3	132.5	115.9	108.4	105.5	105.9	106.3
32.5°	474.0	423.6	315.0	226.6	166.8	132.9	115.9	109.0	105.9	107.2	107.2
35°	525.9	465.9	336.3	234.4	168.3	132.5	115.9	109.9	106.3	107.6	108.1
37.5°	580.3	508.9	356.8	240.6	169.1	132.1	115.9	109.9	106.8	108.1	108.1
40°	636.1	552.1	376.5	244.9	169.1	131.6	115.4	109.9	107.6	107.6	108.1
42.5°	696.2	597.0	394.4	248.3	169.1	130.8	115.4	109.9	106.8	107.2	107.6
45°	759.8	643.0	411.3	250.9	168.6	130.8	115.1	109.4	106.3	105.9	106.3
47.5°	822.2	691.1	427.9	253.6	168.3	131.2	115.1	109.0	105.5	103.8	104.2
50°	890.9	740.7	444.9	255.3	168.6	131.2	115.4	108.4	104.2	102.0	102.3
52.5°	959.0	790.4	461.4	257.5	168.6	131.6	115.4	107.6	102.9	99.8	100.3
55°	1030.8	839.6	477.5	259.7	169.1	132.1	115.9	106.8	101.5	98.1	98.5
57.5°	1093.6	886.6	491.9	261.0	169.1	132.9	115.9	106.3	100.3	96.3	96.3
60°	1151.2	930.3	503.7	261.4	169.1	132.9	115.9	105.5	99.4	94.5	94.5
62.5°	1194.7	959.4	509.3	260.6	168.3	132.9	115.4	104.6	98.5	93.2	93.2
65°	1216.9	972.1	506.7	257.5	167.4	132.5	115.1	103.2	97.1	92.3	91.9
67.5°	1211.3	962.4	494.1	251.3	165.2	131.2	113.7	101.5	96.3	91.4	90.5
68°	1205.6	955.1	490.1	249.6	163.9	130.8	113.2	101.5	95.8	91.4	90.5
70°	1167.3	923.3	469.8	242.3	161.7	128.9	112.0	99.8	94.5	90.5	89.8
72.5°	1086.2	854.5	435.3	229.6	156.5	125.9	109.0	97.6	92.9	89.3	88.0
75°	969.9	762.5	392.1	214.9	149.8	122.0	105.0	94.5	90.2	87.1	85.9
77.5°	837.4	654.4	344.7	197.0	142.0	117.1	100.6	91.1	87.1	84.5	82.4
80°	692.9	543.4	296.7	178.3	133.3	111.1	95.8	86.6	83.3	80.2	78.4
82.5°	555.5	440.1	251.3	160.3	122.9	103.2	90.2	81.4	78.1	75.4	73.2
85°	435.3	350.8	210.5	142.0	113.2	96.3	84.1	75.7	72.8	69.7	67.6
87.5°	337.3	275.8	176.4	125.0	102.3	88.5	78.1	70.2	66.7	63.2	61.4
90°	260.6	217.0	146.0	109.0	92.9	81.0	71.4	64.0	60.1	57.1	55.3
92.5°	201.0	171.2	121.1	95.4	82.7	73.2	64.9	58.4	54.0	50.1	48.8
95°	155.5	135.6	100.6	82.7	73.7	65.8	58.7	52.3	47.5	43.6	42.3
97.5°	121.1	107.2	83.6	71.4	64.9	58.4	52.3	46.6	41.9	37.0	36.1
100°	93.7	85.0	70.2	61.9	57.1	51.5	46.3	41.4	35.8	31.4	30.9
102.5°	73.7	68.0	58.7	53.5	49.6	45.4	41.0	36.1	30.5	26.1	25.7
105°	58.4	54.8	49.2	45.8	43.1	39.6	36.1	31.4	25.2	21.7	21.7
107.5°	46.6	44.5	41.4	39.3	37.5	34.5	31.4	26.6	20.9	17.8	18.2



REPORT NUMBER: P266061

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.9	36.7	34.9	34.0	32.7	30.1	26.9	22.6	17.4	14.8	15.2
112.5°	30.9	30.5	29.6	29.1	28.3	26.1	23.0	18.8	14.0	12.7	12.7
115°	25.7	25.2	25.2	24.9	24.4	22.6	19.7	15.7	11.3	10.5	10.5
117.5°	21.7	21.7	21.4	21.4	20.9	19.1	16.6	13.0	9.2	8.8	8.8
120°	18.2	18.2	18.2	18.2	17.8	16.1	14.0	10.5	7.4	7.4	7.4
122.5°	15.7	16.1	15.7	15.7	15.2	14.0	11.3	8.3	6.1	6.1	6.6
125°	13.6	13.6	13.6	13.0	12.7	11.3	9.2	6.6	5.2	5.2	5.2
127.5°	11.8	11.8	11.8	11.3	10.5	9.6	7.4	5.2	4.3	4.3	4.3
130°	10.5	10.1	10.1	9.6	8.8	7.4	5.7	4.0	3.6	3.6	3.6
132.5°	8.8	8.8	8.3	7.8	6.9	5.7	4.3	2.6	2.6	3.1	3.1
135°	7.4	7.4	6.9	6.1	5.2	4.3	3.1	2.2	2.2	2.2	2.2
137.5°	6.1	6.1	5.7	4.9	4.0	2.6	1.7	1.3	1.3	1.7	1.7
140°	4.9	4.9	4.3	3.6	2.6	1.7	0.9	0.4	0.9	0.9	0.9
142.5°	3.6	3.6	3.1	2.2	1.3	0.9	0.0	0.4	0.4	0.4	0.4
145°	2.6	2.6	2.2	1.7	0.9	0.4	0.0	0.0	0.4	0.0	0.0
147.5°	2.2	2.2	1.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)