

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: P266080

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
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-T4W-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3625.6 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - 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

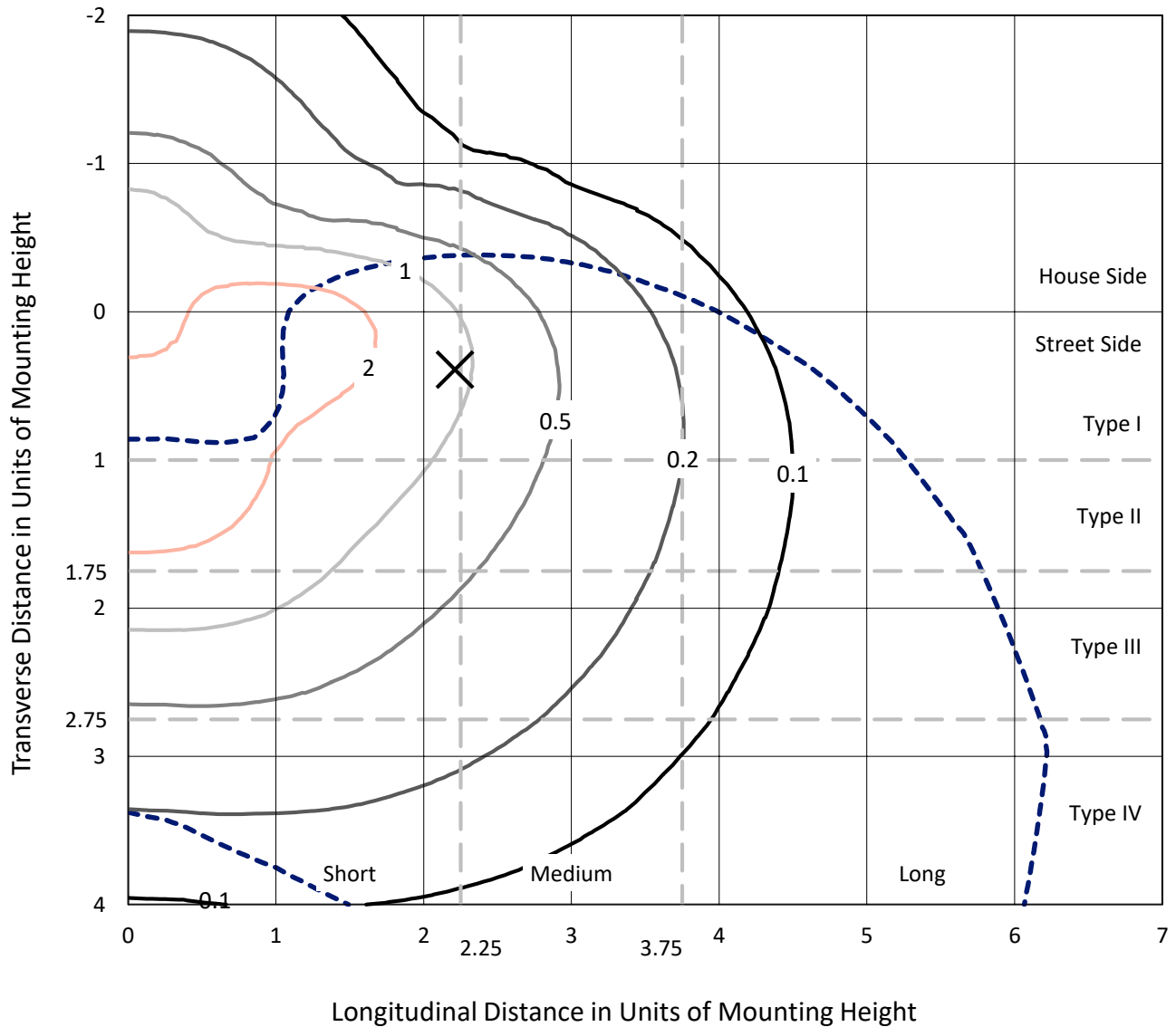


REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

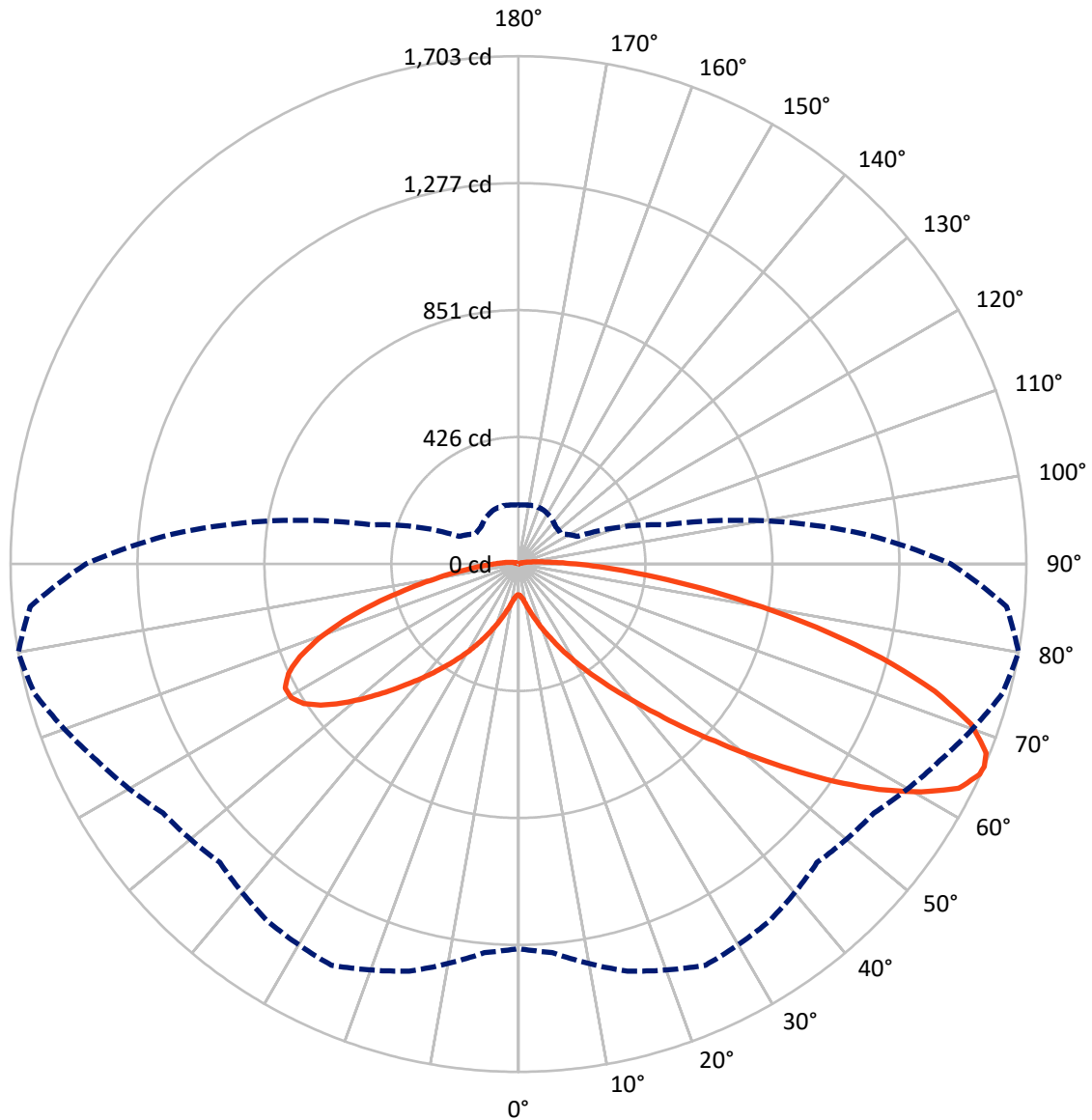


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

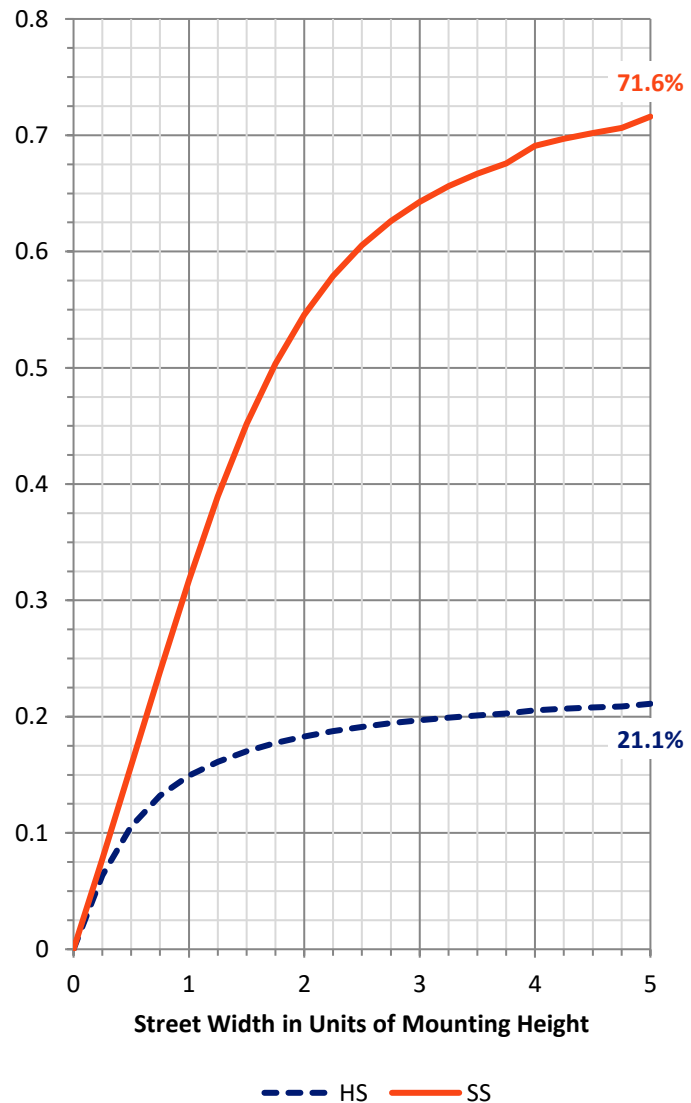
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	804.0	51.8	855.9
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	2700.3	69.4	2769.7
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	3504.3	121.3	3625.6
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	0.3
10°-20°	49.2	1.4
20°-30°	125.6	3.5
30°-40°	248.7	6.9
40°-50°	431.0	11.9
50°-60°	687.3	19.0
60°-70°	893.5	24.6
70°-80°	739.0	20.4
80°-90°	318.8	8.8
90°-100°	83.1	2.3
100°-110°	24.5	0.7
110°-120°	9.2	0.3
120°-130°	3.2	0.1
130°-140°	1.0	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3504.3	96.7
0°-180°	3625.6	100.0



REPORT NUMBER: P266080

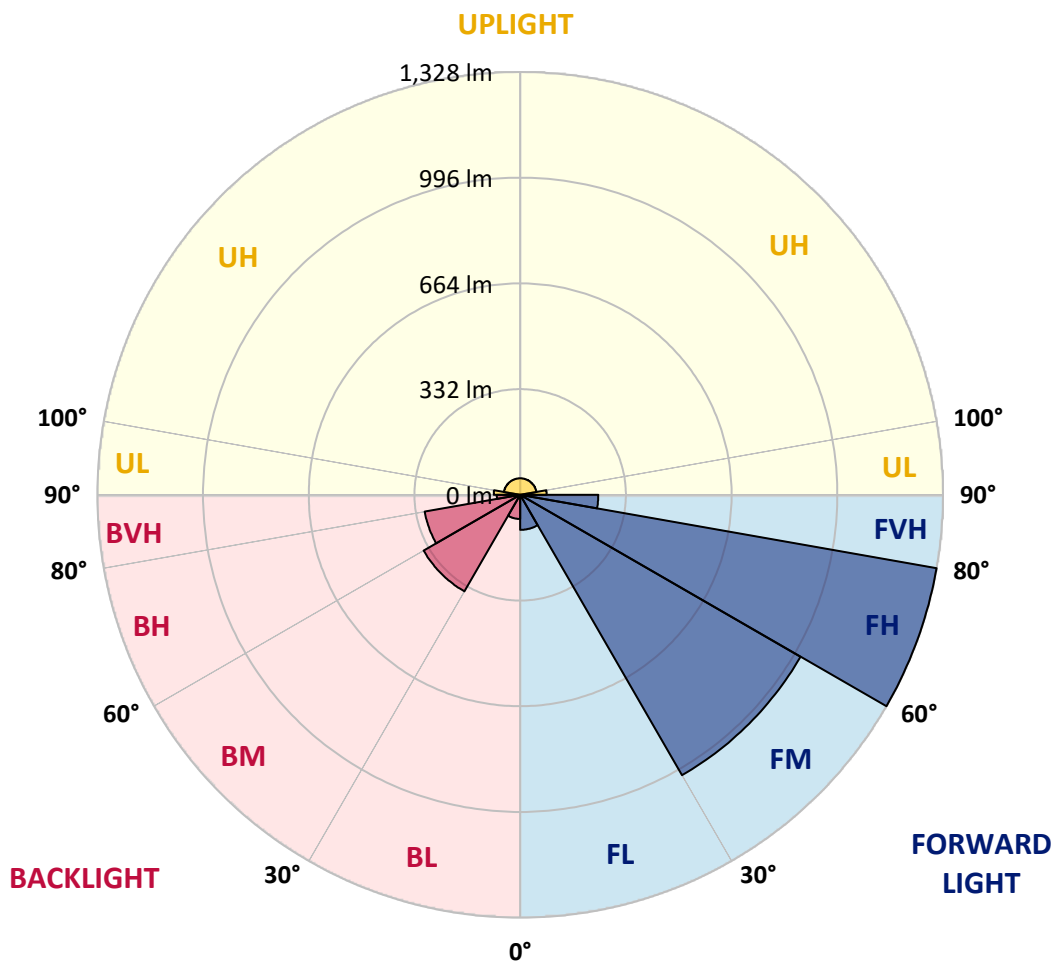
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.1	3.0			
FM	(30°-60°)	1016.8	28.0			
FH	(60°-80°)	1328.0	36.6			G1/1800
FVH	(80°-90°)	245.4	6.8			G3/500
BL	(0°-30°)	75.9	2.1	B0/110		
BM	(30°-60°)	350.2	9.7	B1/1000		
BH	(60°-80°)	304.5	8.4	B1/500		G1/500
BVH	(80°-90°)	73.5	2.0			G1/100
UL	(90°-100°)	83.1	2.3		U3/500	
UH	(100°-180°)	51.8	1.4		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Short





REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8
2.5°	111.1	110.8	111.1	111.1	110.8	110.2	109.0	108.1	106.8	105.9	105.5
5°	120.3	119.8	119.8	119.8	119.4	118.5	116.8	115.1	113.2	112.0	111.6
7.5°	133.4	132.1	132.1	131.6	130.8	129.4	127.2	125.6	123.7	121.6	120.7
10°	151.3	150.3	148.9	148.1	146.0	144.6	142.0	139.9	138.6	136.8	135.0
12.5°	172.6	173.8	173.1	169.5	166.8	164.7	161.2	159.9	158.6	156.5	155.0
15°	200.4	201.3	199.2	195.7	191.2	188.6	185.2	182.1	181.3	178.7	176.8
17.5°	232.2	234.0	230.5	225.2	219.6	213.4	210.9	207.9	206.5	203.9	202.2
20°	270.2	271.8	267.1	259.3	250.9	242.3	239.2	235.7	235.3	232.8	231.4
22.5°	314.5	315.9	308.5	297.2	285.4	274.1	269.3	265.8	266.3	264.0	263.7
25°	366.0	366.5	356.0	341.1	323.3	308.1	301.6	299.8	301.6	300.3	299.3
27.5°	424.0	423.6	413.9	390.9	363.9	343.0	335.1	335.4	339.4	340.3	340.3
30°	488.0	489.8	473.6	443.6	408.3	379.5	371.3	372.9	384.4	384.4	384.4
32.5°	562.5	562.1	543.8	500.3	456.2	420.9	410.0	411.8	425.6	432.3	430.1
35°	645.7	645.0	622.3	566.4	508.5	465.0	450.1	458.3	477.5	484.9	483.2
37.5°	735.2	735.2	708.6	640.1	565.7	512.8	496.8	505.8	533.0	545.1	538.5
40°	826.6	827.0	795.7	723.3	630.5	565.2	546.9	563.0	600.8	612.6	608.3
42.5°	918.1	915.6	886.3	805.7	700.1	624.0	601.8	628.8	674.9	691.5	685.3
45°	1010.5	1008.7	982.1	892.3	776.5	687.7	664.4	699.3	759.4	786.0	780.0
47.5°	1099.7	1099.7	1074.9	979.5	859.3	760.0	738.9	782.2	858.4	887.5	889.0
50°	1183.8	1185.3	1163.8	1074.9	943.8	839.6	821.4	877.6	976.8	1008.7	1011.0
52.5°	1262.3	1265.8	1251.9	1174.4	1038.4	928.6	915.6	979.2	1095.5	1142.0	1147.8
55°	1332.0	1333.4	1331.6	1266.7	1135.5	1021.8	1017.4	1093.6	1236.5	1286.7	1286.7
57.5°	1380.9	1388.7	1404.8	1352.0	1236.5	1123.8	1122.9	1212.6	1366.1	1425.7	1422.2
60°	1403.1	1411.7	1452.6	1428.3	1330.3	1226.1	1235.3	1336.9	1503.8	1551.6	1548.6
62.5°	1389.0	1400.5	1467.1	1479.2	1404.8	1321.5	1339.1	1448.3	1600.4	1656.7	1622.7
65°	1324.6	1341.2	1434.5	1490.6	1454.0	1394.3	1427.4	1535.9	1666.6	1699.9	1648.4
66°	1289.3	1307.7	1413.0	1484.1	1463.6	1415.6	1455.0	1559.1	1679.3	1702.8	1643.2
67.5°	1230.5	1245.3	1366.1	1460.6	1468.0	1444.5	1487.7	1581.7	1675.9	1691.5	1614.9
70°	1093.2	1111.6	1245.0	1387.4	1445.7	1462.8	1510.3	1579.1	1633.1	1611.3	1509.4
72.5°	926.3	955.2	1087.6	1261.5	1375.7	1434.9	1486.8	1522.0	1519.8	1460.6	1339.1
75°	737.7	755.6	895.9	1084.2	1244.1	1354.3	1406.0	1400.0	1345.5	1256.6	1120.2
77.5°	550.8	568.6	693.2	878.9	1061.8	1201.4	1248.4	1221.9	1120.7	1022.2	890.2
80°	387.8	403.5	507.6	681.0	857.9	1001.8	1041.0	1003.0	879.4	781.7	669.2
82.5°	264.6	271.5	358.7	508.9	668.9	791.2	829.1	780.4	662.3	569.5	481.9
85°	162.6	172.6	243.6	362.6	491.9	586.1	615.7	577.3	475.8	401.7	332.1
87.5°	95.0	100.7	150.7	244.5	353.8	430.9	446.2	410.4	326.4	271.8	220.4
90°	50.9	55.3	86.6	152.5	240.0	298.1	309.3	276.3	213.4	173.5	141.2
92.5°	30.1	32.7	51.8	91.9	153.8	196.1	203.9	177.3	134.1	111.1	92.3
95°	19.7	21.4	34.0	57.5	94.5	124.1	128.1	109.9	85.0	73.2	64.0
97.5°	14.5	15.2	24.4	39.3	59.6	76.3	79.3	68.0	56.2	50.6	45.8
100°	11.3	12.1	18.8	28.7	40.1	49.2	50.1	44.5	38.7	35.8	34.0
102.5°	9.6	10.1	15.2	22.6	30.1	34.9	35.4	31.4	27.5	25.7	25.2
105°	8.3	8.8	13.0	18.8	24.0	26.9	26.9	23.5	20.0	18.8	19.1
107.5°	6.9	7.4	10.9	15.7	20.0	22.2	21.7	18.2	14.8	13.6	14.0



REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	6.1	6.6	9.6	13.6	17.4	18.8	17.8	14.5	10.5	9.6	10.1
112.5°	5.7	5.7	8.3	11.8	14.8	15.7	14.5	10.9	7.4	6.9	7.4
115°	4.9	5.2	6.9	10.1	12.1	13.0	11.8	8.3	5.2	5.2	5.7
117.5°	4.3	4.9	6.1	8.3	10.5	10.9	9.6	6.6	4.0	4.0	4.3
120°	4.0	4.0	5.2	6.9	8.8	8.8	7.4	4.9	3.1	3.1	3.6
122.5°	3.6	4.0	4.3	5.7	6.9	6.9	5.7	3.6	2.6	2.6	3.1
125°	3.1	3.6	4.0	4.9	5.7	5.7	4.3	2.6	2.2	2.6	2.6
127.5°	3.1	3.1	3.6	4.0	4.9	4.3	3.6	1.7	2.2	2.2	2.6
130°	2.6	2.6	3.1	3.1	3.6	3.6	2.6	1.7	1.7	2.2	2.2
132.5°	2.2	2.2	2.6	2.6	3.1	2.6	1.7	1.3	1.7	1.7	2.2
135°	1.7	1.7	1.7	2.2	2.2	1.7	1.3	1.3	1.7	1.7	1.7
137.5°	1.7	1.3	1.7	1.7	1.3	0.9	0.9	0.9	1.3	1.7	1.7
140°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.9	1.3	1.3	1.7
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	1.3	1.3
145°	0.0	0.0	0.4	0.4	0.0	0.0	0.4	0.4	0.9	0.9	1.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8	103.8
2.5°	105.0	104.6	103.2	102.3	101.5	100.7	100.7	100.7	100.3	99.8	99.8
5°	110.8	109.9	108.1	106.3	104.2	102.3	101.5	101.1	100.3	99.4	99.4
7.5°	119.8	118.5	115.4	112.0	109.9	107.2	106.3	105.5	104.2	103.2	102.9
10°	133.8	131.6	126.8	122.4	118.0	114.7	113.2	112.4	111.6	111.6	111.6
12.5°	152.5	149.8	143.8	136.0	130.8	125.6	123.7	123.2	123.7	124.1	124.1
15°	174.4	169.9	162.1	151.6	144.2	138.6	136.8	136.8	137.7	138.1	138.1
17.5°	199.6	194.4	181.3	169.2	159.0	152.9	150.3	150.3	152.1	152.9	153.4
20°	226.2	220.4	205.6	186.0	173.5	166.5	163.4	163.9	165.9	168.3	168.6
22.5°	256.6	250.1	227.9	203.9	187.3	178.3	174.7	176.1	179.5	182.5	183.4
25°	291.5	283.2	254.0	223.0	200.1	187.7	185.2	187.7	193.0	197.0	197.4
27.5°	329.4	319.0	280.6	240.6	209.6	193.9	192.1	197.4	203.5	208.2	209.1
30°	371.7	358.7	308.5	255.7	217.0	198.6	197.0	203.9	211.3	217.0	217.8
32.5°	418.7	400.9	335.4	268.9	221.3	200.4	199.6	207.9	217.0	222.7	223.5
35°	469.8	446.2	364.3	279.4	223.0	200.1	199.6	209.1	218.7	224.3	224.8
37.5°	526.3	497.7	391.8	287.2	222.7	198.3	198.3	208.2	217.4	222.7	222.7
40°	591.8	553.4	421.8	292.4	220.4	195.2	195.7	204.9	213.4	217.0	217.4
42.5°	666.3	617.9	449.2	294.6	216.1	191.7	191.7	201.0	207.9	209.6	209.6
45°	751.6	689.8	479.3	294.1	211.8	187.7	188.3	196.1	201.3	201.8	201.3
47.5°	854.1	773.0	507.6	292.4	205.6	183.9	185.2	192.1	196.1	195.7	195.2
50°	966.4	862.7	535.5	288.4	200.4	181.3	183.1	189.5	193.0	191.7	190.9
52.5°	1088.0	956.4	560.4	282.3	194.8	179.1	182.1	188.6	191.7	189.5	189.5
55°	1214.0	1049.2	579.9	273.3	190.0	177.8	182.5	188.6	192.1	190.0	190.0
57.5°	1328.1	1129.0	589.1	262.8	186.0	177.3	183.4	190.9	193.9	192.1	192.1
60°	1417.9	1184.8	583.0	250.5	182.1	176.8	185.2	193.4	197.0	194.8	194.8
62.5°	1471.5	1209.6	561.3	237.5	179.1	177.3	187.7	197.4	200.1	197.4	196.5
65°	1469.3	1183.8	524.6	223.5	176.1	177.3	189.5	199.6	201.8	198.6	197.4
66°	1450.1	1161.7	505.8	218.3	175.2	176.8	190.0	199.6	202.2	198.6	197.4
67.5°	1413.9	1116.0	474.9	210.1	173.1	176.4	190.4	200.1	201.8	198.6	197.0
70°	1299.8	1014.4	417.1	196.1	169.2	174.4	189.2	198.6	200.1	197.4	195.7
72.5°	1129.0	870.2	358.2	182.1	163.9	169.5	185.6	194.4	196.5	193.9	192.1
75°	927.7	705.9	299.3	168.6	155.9	162.6	178.7	187.3	190.0	187.7	185.6
77.5°	721.1	540.3	243.1	155.5	146.9	153.8	169.2	176.8	179.5	176.8	175.6
80°	535.1	399.6	195.2	141.7	136.5	142.9	157.4	164.3	166.8	163.9	163.0
82.5°	383.8	289.8	155.5	126.3	123.7	129.8	142.9	148.9	151.3	149.5	146.5
85°	256.6	199.6	122.9	109.9	110.2	115.9	126.8	130.8	133.4	131.6	128.9
87.5°	173.8	136.8	97.1	93.2	94.5	98.5	108.4	111.6	113.2	111.1	110.8
90°	113.2	94.5	77.2	79.0	80.6	83.6	89.8	91.1	93.2	91.1	90.5
92.5°	77.2	69.3	62.7	65.8	68.0	70.2	73.7	74.5	76.3	74.5	73.7
95°	56.7	53.5	50.9	54.8	57.1	58.4	60.5	60.1	61.4	59.6	58.7
97.5°	43.2	41.4	41.9	45.4	47.5	48.4	49.2	48.4	48.8	47.0	46.3
100°	33.5	32.7	34.0	37.5	39.3	39.3	39.6	38.7	37.9	36.1	34.9
102.5°	25.7	25.7	27.5	30.9	32.2	32.2	31.8	30.5	29.1	27.5	27.5
105°	19.7	20.0	22.6	25.7	26.6	26.1	26.1	24.4	22.6	20.5	20.5
107.5°	14.8	15.2	17.8	20.9	21.7	21.7	20.9	19.1	17.0	15.2	15.2



REPORT NUMBER: P266080

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.9	11.8	14.5	17.0	17.8	17.4	17.0	14.8	12.7	11.3	10.9
112.5°	8.3	8.8	11.3	13.6	14.5	14.5	13.6	11.3	9.2	8.3	8.3
115°	6.1	6.9	8.8	10.9	11.3	11.3	10.5	8.8	6.6	5.7	6.1
117.5°	4.9	5.2	6.9	8.8	8.8	8.8	7.8	6.1	4.9	4.3	4.3
120°	4.0	4.3	5.2	6.6	6.6	6.6	5.7	4.3	3.6	3.1	3.6
122.5°	3.1	3.6	4.0	4.9	4.9	4.9	4.3	3.1	2.2	2.2	2.6
125°	3.1	3.1	3.1	3.6	3.6	3.6	3.1	2.2	1.7	1.7	1.7
127.5°	2.6	2.6	2.6	2.6	2.6	2.2	1.7	1.3	0.9	1.3	1.3
130°	2.6	2.6	2.2	2.2	1.7	1.3	0.9	0.4	0.4	0.9	0.9
132.5°	2.2	2.2	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.4	0.4
135°	2.2	2.2	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	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)