

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: P266007

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T2U-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1995.4 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

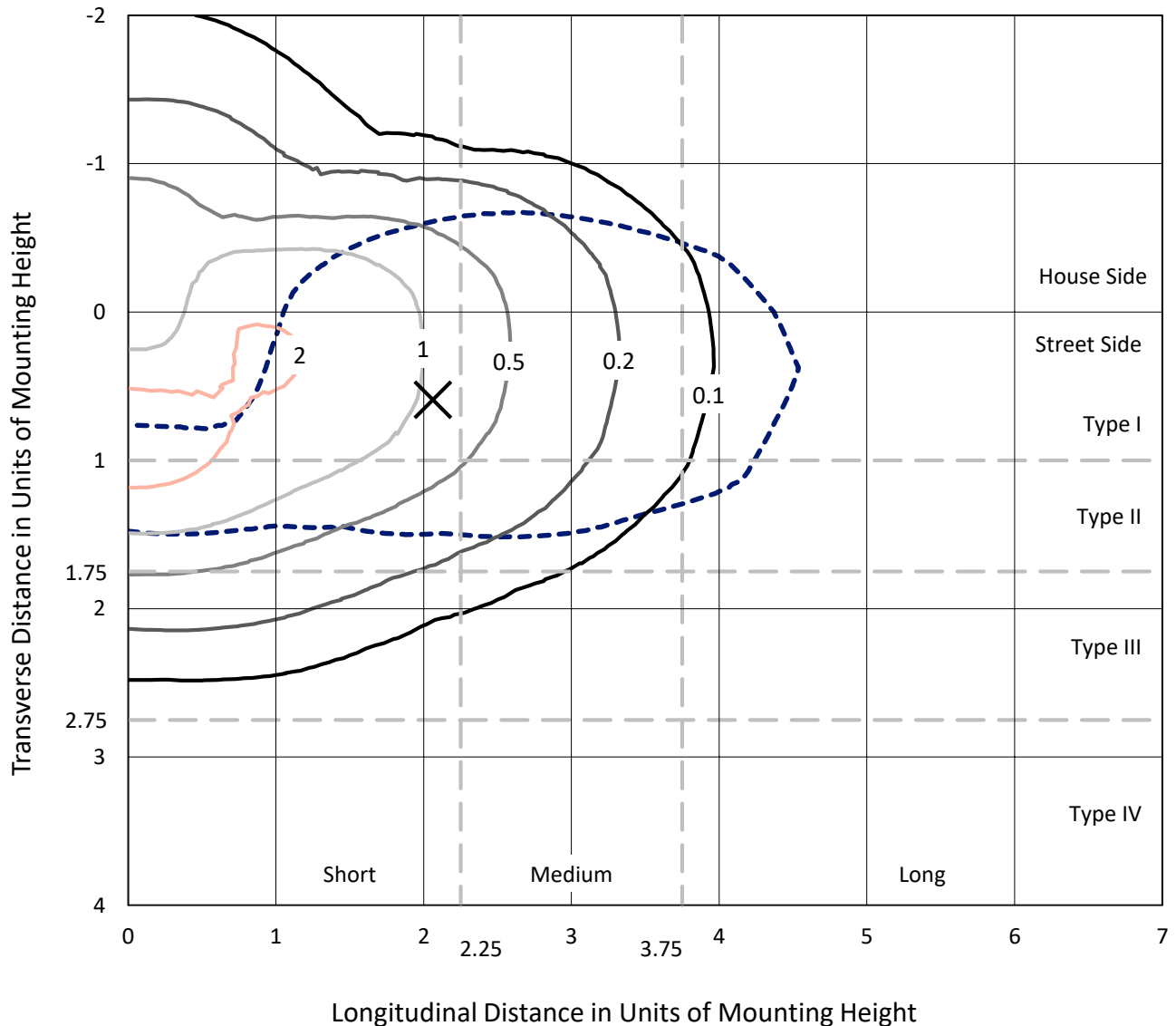


REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

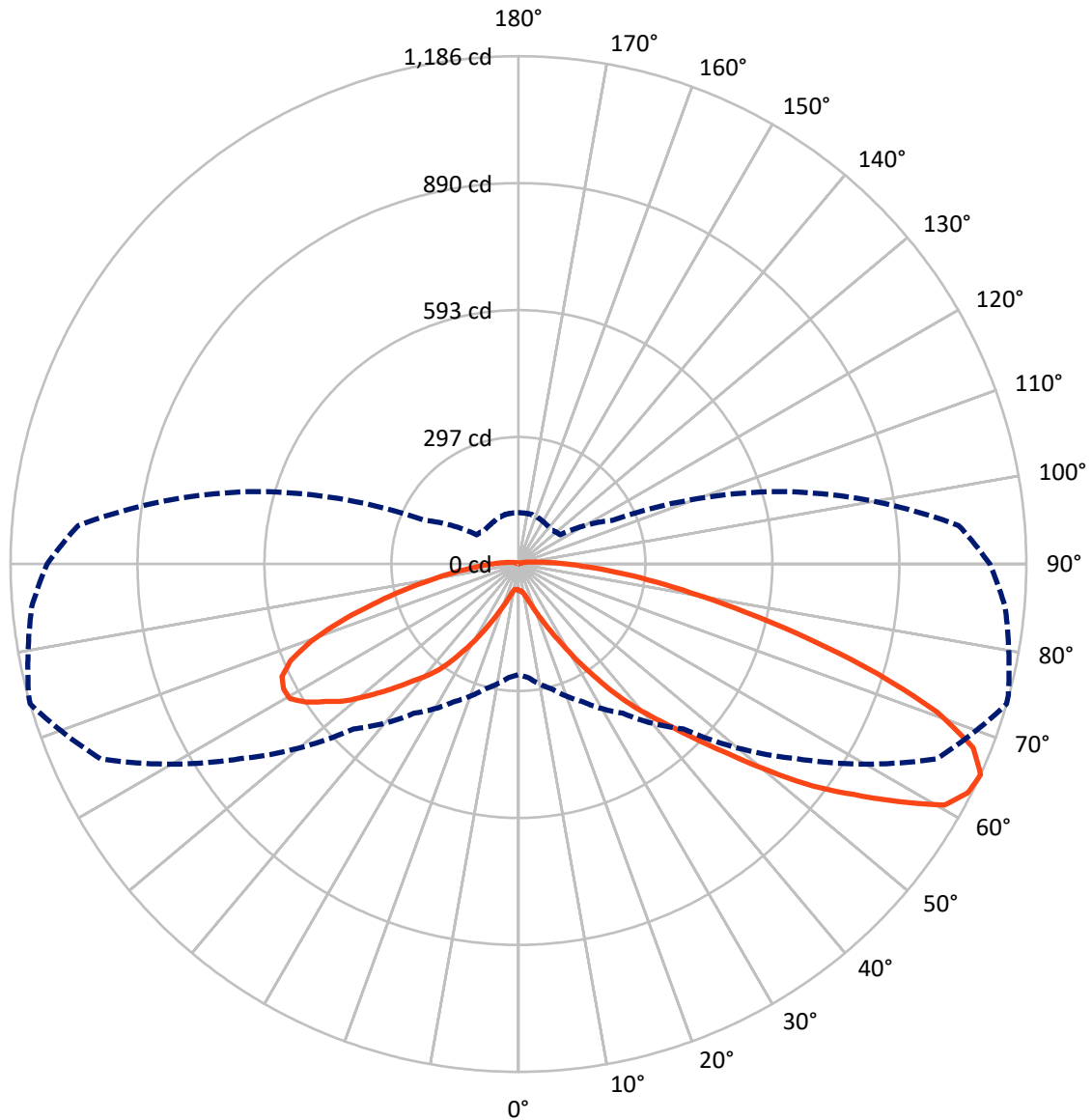


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

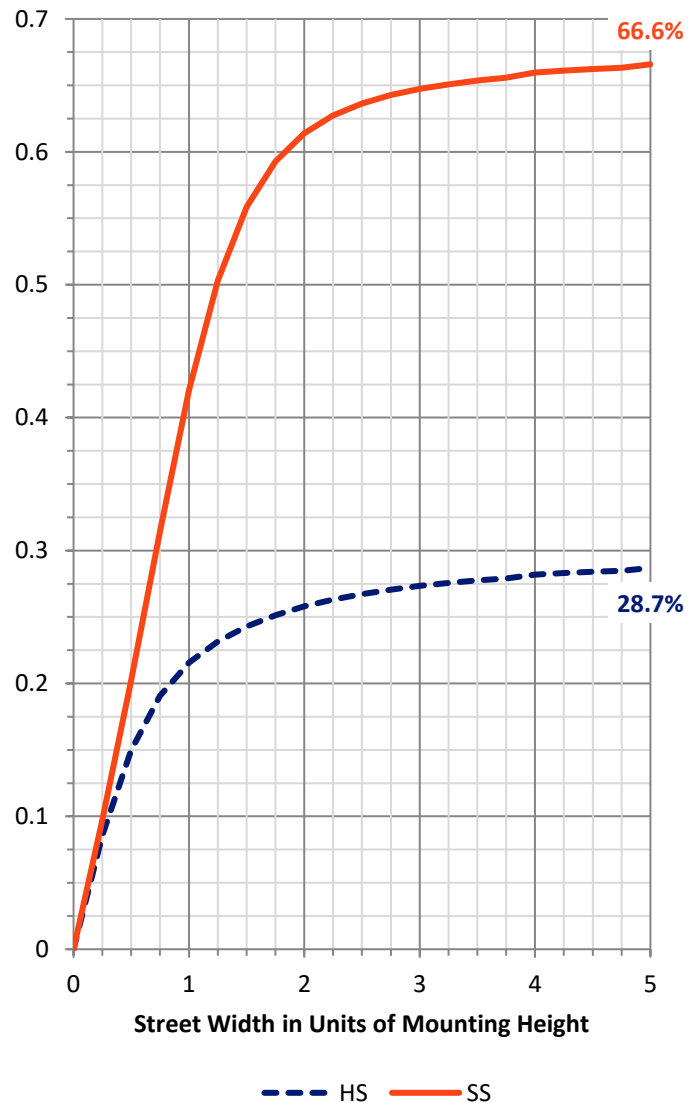
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.1	28.9	618.9
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	1347.1	29.4	1376.5
	% Fixture	67.5	1.5	69.0
Total	Lumens	1937.1	58.3	1995.4
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.3
10°-20°	25.0	1.3
20°-30°	73.8	3.7
30°-40°	180.0	9.0
40°-50°	328.7	16.5
50°-60°	467.7	23.4
60°-70°	470.9	23.6
70°-80°	278.8	14.0
80°-90°	106.1	5.3
90°-100°	33.5	1.7
100°-110°	12.6	0.6
110°-120°	6.1	0.3
120°-130°	3.5	0.2
130°-140°	1.9	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1937.1	97.1
0°-180°	1995.4	100.0



REPORT NUMBER: P266007

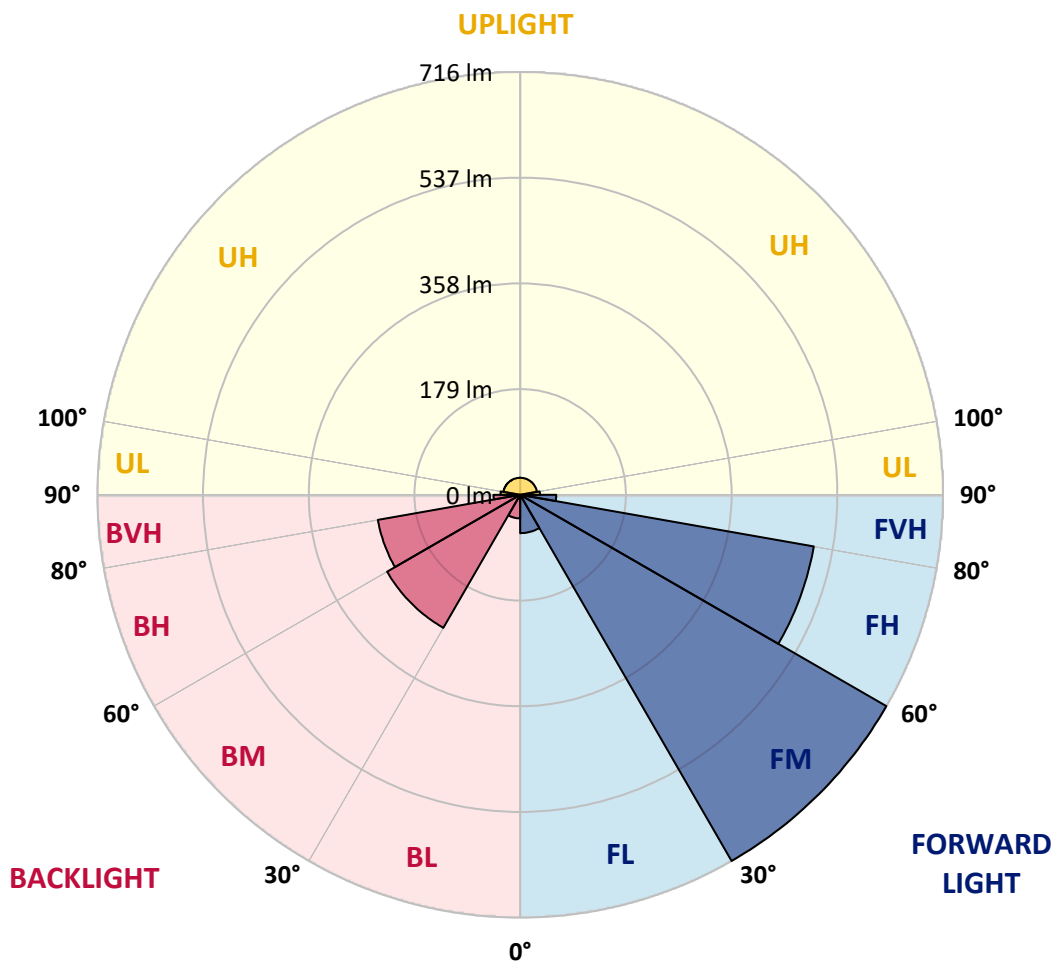
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.0	3.3			
FM (30°-60°)	716.1	35.9			
FH (60°-80°)	505.0	25.3			G0/660
FVH (80°-90°)	61.0	3.1			G1/100
BL (0°-30°)	40.0	2.0	B0/110		
BM (30°-60°)	260.3	13.0	B1/1000		
BH (60°-80°)	244.7	12.3	B1/500		G1/500
BVH (80°-90°)	45.1	2.3			G1/100
UL (90°-100°)	33.5	1.7		U2/50	
UH (100°-180°)	28.9	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	65.7	65.4	65.7	65.4	65.4	64.9	64.3	63.3	62.3	62.2	61.4
5°	70.2	70.2	70.2	69.8	69.3	68.6	67.2	65.4	63.8	63.5	62.2
7.5°	76.4	76.7	76.3	75.3	74.3	72.5	70.7	68.4	66.1	65.9	63.8
10°	85.8	85.6	84.9	83.6	81.0	79.0	75.9	72.7	70.2	69.8	67.2
12.5°	98.8	98.5	97.3	94.0	90.4	86.2	83.5	80.3	78.0	77.7	75.3
15°	115.5	115.1	112.6	108.3	102.5	97.3	95.0	91.7	89.4	89.2	86.7
17.5°	136.2	135.6	132.3	126.1	118.1	112.2	109.6	106.0	103.3	103.6	100.0
20°	162.1	160.8	156.3	148.0	138.2	131.2	127.1	123.4	121.4	121.0	118.4
22.5°	195.4	193.8	185.6	175.4	163.5	153.7	148.4	144.5	143.1	143.4	140.9
25°	238.1	234.9	224.7	210.7	195.9	180.7	174.5	170.1	170.9	171.3	169.1
27.5°	288.6	287.2	271.4	254.6	232.5	213.1	207.4	203.0	204.5	205.7	203.7
30°	351.4	346.7	328.2	303.0	274.5	250.7	243.4	242.0	245.7	247.5	246.1
32.5°	423.6	419.5	394.4	362.5	321.1	292.9	284.4	288.1	294.4	296.4	294.9
35°	509.2	505.6	471.8	428.1	375.4	345.5	333.9	340.4	348.4	350.0	347.9
37.5°	597.6	595.8	558.8	501.6	437.0	398.2	388.3	397.7	406.2	407.6	400.4
40°	673.4	675.0	638.2	574.6	500.4	454.4	448.6	456.9	459.4	460.0	446.4
42.5°	735.1	736.0	703.8	639.7	559.7	512.8	509.7	514.0	514.6	514.6	498.9
45°	751.3	756.6	738.1	689.2	616.3	569.5	569.5	579.4	584.2	585.6	565.3
47.5°	758.8	762.7	752.1	716.8	662.0	624.5	637.0	659.7	664.6	667.3	641.0
50°	752.1	757.4	755.4	732.6	693.0	674.8	711.3	751.1	760.0	762.7	730.7
52.5°	699.3	709.8	725.7	729.8	711.9	716.8	786.6	853.7	861.6	863.0	815.8
55°	623.1	635.6	662.4	690.8	708.0	744.5	859.7	952.9	950.9	951.9	897.8
57.5°	527.1	539.4	575.5	620.6	670.0	750.9	903.5	1033.5	1046.6	1049.3	997.9
60°	438.9	444.0	482.7	533.9	599.3	719.3	903.5	1100.7	1143.5	1138.5	1069.0
62.5°	337.4	347.6	388.1	443.8	515.0	641.7	870.6	1122.0	1178.0	1171.1	1105.9
65°	258.3	266.5	302.3	354.8	425.7	544.6	792.8	1077.1	1186.4	1184.8	1141.3
67.5°	201.4	202.6	233.3	278.0	336.9	439.5	665.3	990.1	1145.9	1145.7	1119.7
70°	152.3	153.4	178.4	219.8	260.1	336.1	531.3	848.4	1038.4	1035.1	1047.2
72.5°	116.3	117.7	137.4	170.5	200.0	250.9	404.9	682.3	876.7	881.2	898.9
75°	89.9	91.4	106.7	132.3	153.3	184.2	292.5	513.7	702.8	710.3	747.5
77.5°	69.3	70.7	83.0	102.3	117.7	134.9	203.7	376.8	543.7	553.3	594.8
80°	53.2	54.6	65.4	79.3	91.7	102.3	143.5	269.9	409.2	420.0	468.1
82.5°	41.2	42.7	51.8	63.1	73.7	80.8	104.6	192.2	305.2	314.0	364.2
85°	31.9	33.1	40.8	49.6	59.6	66.1	80.0	136.2	219.0	226.6	266.1
87.5°	24.8	25.6	31.9	39.0	48.4	54.8	63.8	99.1	150.2	156.0	182.4
90°	18.8	19.7	24.8	30.3	38.4	45.4	51.1	71.1	103.3	106.7	120.2
92.5°	13.7	14.5	18.4	22.5	29.3	35.9	40.8	52.7	70.2	72.0	77.7
95°	10.3	10.8	13.7	16.8	22.1	27.8	31.6	38.8	47.3	48.1	50.0
97.5°	8.2	8.4	10.5	12.9	17.0	21.6	24.4	28.6	33.3	33.7	34.8
100°	6.9	7.1	8.9	10.8	13.7	17.2	19.5	22.1	24.8	25.0	25.6
102.5°	6.0	6.3	7.5	8.9	11.5	14.5	15.8	17.4	19.0	18.8	19.5
105°	5.3	5.3	6.5	7.6	9.8	11.9	12.9	14.0	14.5	14.5	14.8
107.5°	4.5	4.9	5.5	6.6	8.7	10.3	10.8	11.0	11.0	11.0	11.5
110°	4.1	4.1	4.9	5.7	7.5	8.9	9.2	8.9	8.7	8.7	9.2



REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	3.7	3.7	4.1	5.3	6.6	7.9	7.9	7.5	6.6	6.6	7.1
115°	3.1	3.4	3.7	4.9	6.3	7.1	6.9	6.3	5.5	5.5	6.0
117.5°	2.9	2.9	3.4	4.3	5.7	6.5	6.3	5.3	4.5	4.5	5.0
120°	2.9	2.9	3.1	4.1	5.3	6.0	5.5	4.5	3.9	3.9	4.5
122.5°	2.9	2.9	3.1	3.9	4.9	5.3	5.0	4.1	3.4	3.4	3.9
125°	3.1	3.1	3.1	3.9	4.5	5.0	4.5	3.9	3.1	3.1	3.4
127.5°	3.4	3.4	3.4	3.9	4.3	4.5	4.1	3.4	2.9	2.9	3.1
130°	3.7	3.7	3.4	3.7	4.1	4.1	3.9	3.1	2.6	2.6	3.1
132.5°	3.7	3.7	3.4	3.4	3.7	3.7	3.4	2.6	2.3	2.3	2.9
135°	3.4	3.4	3.1	3.1	3.1	3.1	2.6	2.2	2.2	2.2	2.3
137.5°	3.1	3.1	2.9	2.9	2.9	2.6	2.2	1.6	1.6	1.6	2.2
140°	2.6	2.6	2.6	2.3	2.3	2.2	1.6	1.4	1.4	1.4	1.6
142.5°	2.3	2.2	2.2	1.9	1.9	1.6	1.2	1.0	1.0	1.0	1.2
145°	1.9	1.9	1.6	1.4	1.4	1.2	0.7	0.4	0.7	0.7	1.0
147.5°	1.4	1.4	1.2	1.2	1.0	0.7	0.2	0.4	0.4	0.4	0.7
150°	1.0	1.0	1.0	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.4
152.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
157.5°	0.0	0.0	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



REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	60.8	60.6	60.1	59.2	59.0	58.5	57.9	57.5	57.0	57.3	57.0
5°	61.4	60.8	59.2	58.3	57.0	56.4	55.7	55.2	54.6	54.3	54.2
7.5°	62.5	61.9	59.9	58.0	56.4	55.2	54.2	53.4	53.0	52.7	52.6
10°	65.7	64.7	61.9	59.2	56.6	54.8	53.7	53.0	52.6	52.6	52.6
12.5°	73.3	72.1	67.8	63.3	59.0	56.4	54.8	55.9	57.0	58.3	59.0
15°	84.4	83.0	77.7	71.1	64.7	60.8	61.2	63.1	64.5	65.9	66.1
17.5°	98.3	96.4	89.7	81.0	72.5	69.3	68.4	70.2	72.7	74.1	74.7
20°	115.5	113.1	104.6	92.5	83.9	79.3	77.2	78.0	80.6	83.0	83.3
22.5°	137.6	133.3	123.2	106.7	95.8	88.9	85.8	85.8	89.4	92.5	93.1
25°	165.6	161.5	145.5	124.7	108.9	98.3	94.7	95.4	100.3	104.3	104.7
27.5°	200.2	194.5	173.4	146.0	122.3	106.4	102.5	104.6	109.4	113.6	114.2
30°	241.5	232.3	205.4	169.1	135.5	114.7	108.5	111.0	115.3	119.8	119.8
32.5°	288.1	277.3	241.6	193.4	148.0	120.4	112.0	115.1	119.4	124.0	123.6
35°	338.8	326.3	279.4	218.2	159.2	124.4	113.6	117.1	122.3	127.7	127.7
37.5°	390.0	377.4	317.1	240.1	167.1	125.0	114.2	119.4	126.1	131.2	130.7
40°	432.3	414.9	347.9	256.0	170.5	123.6	114.9	120.6	125.7	127.7	127.3
42.5°	482.7	460.8	378.2	264.2	168.3	121.5	115.1	119.1	121.5	121.5	120.6
45°	544.0	518.9	416.2	272.8	162.8	119.1	113.8	116.3	116.3	114.4	112.8
47.5°	618.0	584.0	456.2	280.5	157.3	117.0	112.6	113.6	111.0	108.2	107.2
50°	704.4	663.0	500.4	286.0	152.1	115.3	112.2	111.7	109.9	106.9	106.0
52.5°	784.0	737.7	546.1	290.3	146.5	114.7	112.2	112.2	110.3	106.2	105.2
55°	862.4	813.0	582.8	287.8	140.4	114.9	113.1	113.6	111.0	106.9	106.0
57.5°	961.0	907.8	626.4	283.7	134.2	115.3	114.2	114.7	112.2	108.3	107.3
60°	1029.6	970.7	657.6	276.9	128.5	115.3	114.7	115.3	114.7	112.6	112.0
62.5°	1070.4	1004.8	661.0	261.5	124.1	114.4	114.2	116.5	118.1	117.5	116.8
65°	1101.1	1032.5	653.4	241.6	119.1	111.7	112.8	116.8	119.7	119.8	119.7
67.5°	1077.3	1006.6	617.6	218.4	113.1	108.3	110.8	115.1	119.4	120.8	120.6
70°	1004.5	935.0	555.7	189.8	106.2	103.0	106.4	112.2	116.8	118.4	117.9
72.5°	854.6	792.6	470.6	162.6	98.1	96.1	99.7	106.4	110.3	111.2	110.5
75°	707.4	652.8	377.7	133.9	89.2	87.6	90.9	96.1	98.8	98.8	97.6
77.5°	565.6	514.6	297.5	111.2	80.0	78.2	81.2	84.4	84.9	83.3	81.9
80°	444.2	396.2	225.4	92.0	70.7	68.8	69.8	71.7	72.5	69.3	67.6
82.5°	344.5	301.7	169.2	76.3	61.7	59.2	59.9	60.8	61.2	57.3	55.3
85°	248.3	216.0	124.1	64.3	53.0	50.8	50.6	50.8	51.1	47.7	46.1
87.5°	170.5	148.0	90.9	54.0	45.9	43.7	43.2	42.8	42.8	39.3	37.5
90°	112.2	99.3	67.6	45.5	38.8	36.7	35.8	35.5	35.0	31.3	29.7
92.5°	72.9	66.7	50.0	37.4	32.1	30.3	29.0	28.2	27.6	24.0	22.5
95°	47.7	45.0	37.9	30.0	26.0	24.3	23.3	22.3	21.3	18.2	17.2
97.5°	33.7	32.9	29.5	24.3	20.7	19.5	18.8	18.0	17.2	14.6	14.2
100°	25.4	25.2	23.7	19.9	16.8	16.1	15.4	14.8	14.5	12.4	11.9
102.5°	19.7	19.9	19.5	16.3	14.2	13.5	12.9	12.4	12.2	10.8	10.5
105°	15.4	15.8	15.6	13.7	11.9	11.5	11.0	10.5	10.3	9.3	9.3
107.5°	11.9	12.4	12.7	11.3	10.3	9.8	9.3	8.9	8.9	8.4	8.4
110°	9.6	10.2	10.5	9.6	8.9	8.7	8.2	7.6	7.5	7.5	7.5



REPORT NUMBER: P266007

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-A-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.9	8.2	8.7	8.2	7.6	7.5	6.9	6.5	6.5	6.5	6.6
115°	6.5	6.9	7.1	6.9	6.6	6.6	6.0	5.5	5.3	5.7	5.7
117.5°	5.5	6.0	6.3	6.0	6.0	6.0	5.3	4.9	4.5	4.9	5.0
120°	4.9	5.0	5.3	5.3	5.3	5.3	4.9	4.1	3.9	4.3	4.3
122.5°	4.1	4.3	4.5	4.9	4.9	4.5	4.1	3.7	3.4	3.9	3.9
125°	3.7	3.9	4.1	4.3	4.3	4.1	3.7	3.1	2.9	3.4	3.4
127.5°	3.4	3.7	3.9	3.9	3.9	3.7	3.1	2.6	2.6	2.9	3.1
130°	3.4	3.4	3.7	3.7	3.4	3.1	2.6	2.2	2.2	2.6	2.6
132.5°	3.1	3.1	3.1	3.1	2.9	2.6	2.2	1.9	1.9	2.3	2.3
135°	2.6	2.6	2.6	2.6	2.3	2.2	1.9	1.4	1.6	1.9	1.9
137.5°	2.2	2.2	2.2	2.2	1.9	1.6	1.4	1.2	1.2	1.4	1.6
140°	1.6	1.9	1.9	1.6	1.4	1.4	1.0	0.7	1.0	1.2	1.2
142.5°	1.4	1.4	1.4	1.2	1.2	1.0	0.7	0.4	0.7	1.0	1.0
145°	1.2	1.2	1.2	1.2	1.0	0.4	0.2	0.2	0.4	0.4	0.4
147.5°	1.0	1.0	1.0	1.0	0.7	0.4	0.0	0.0	0.2	0.2	0.2
150°	0.7	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.2	0.2	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)