

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: P266030

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2688.3 lumens
Efficiency: N/A
Efficacy: 86.7 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 (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

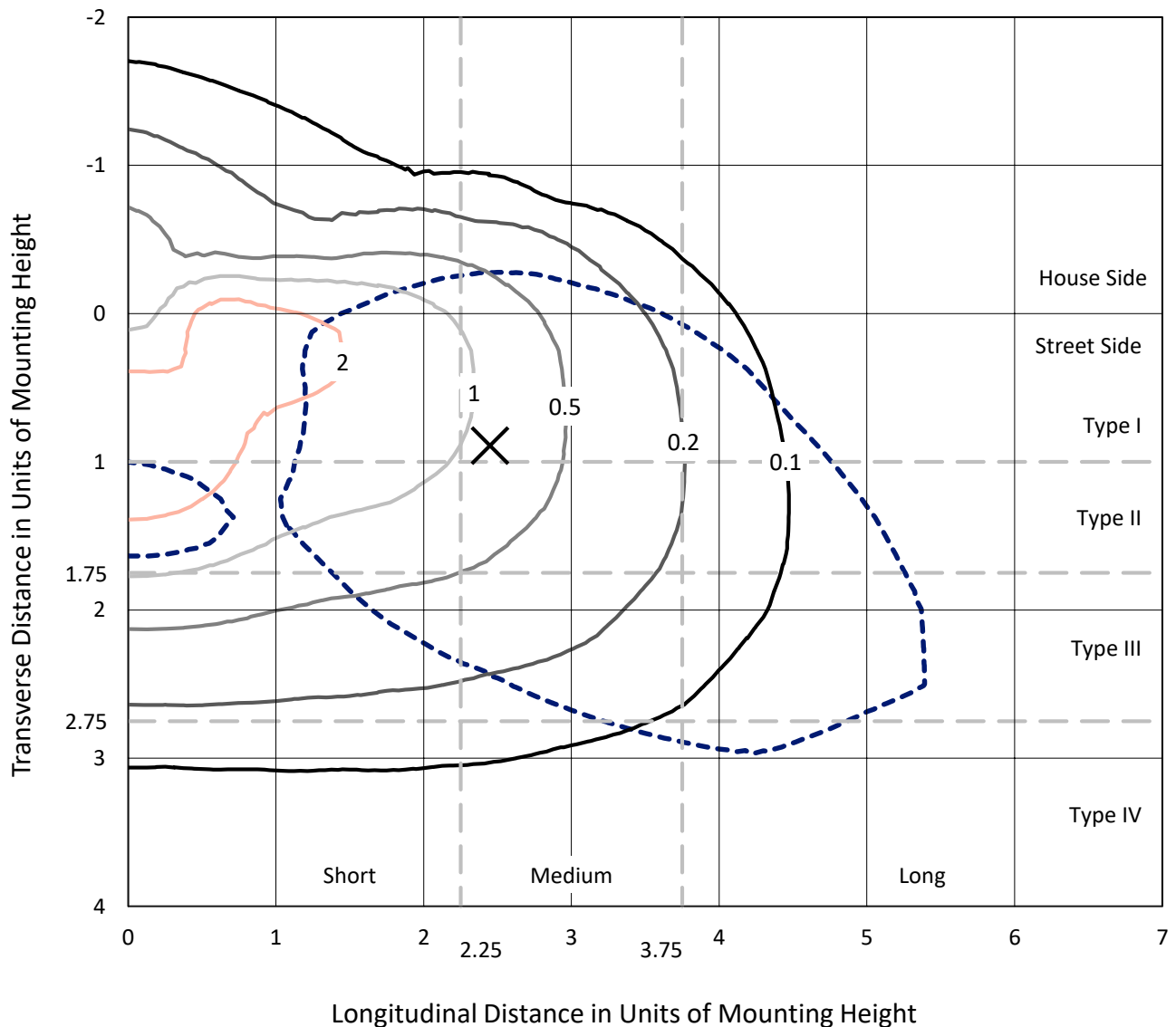


REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

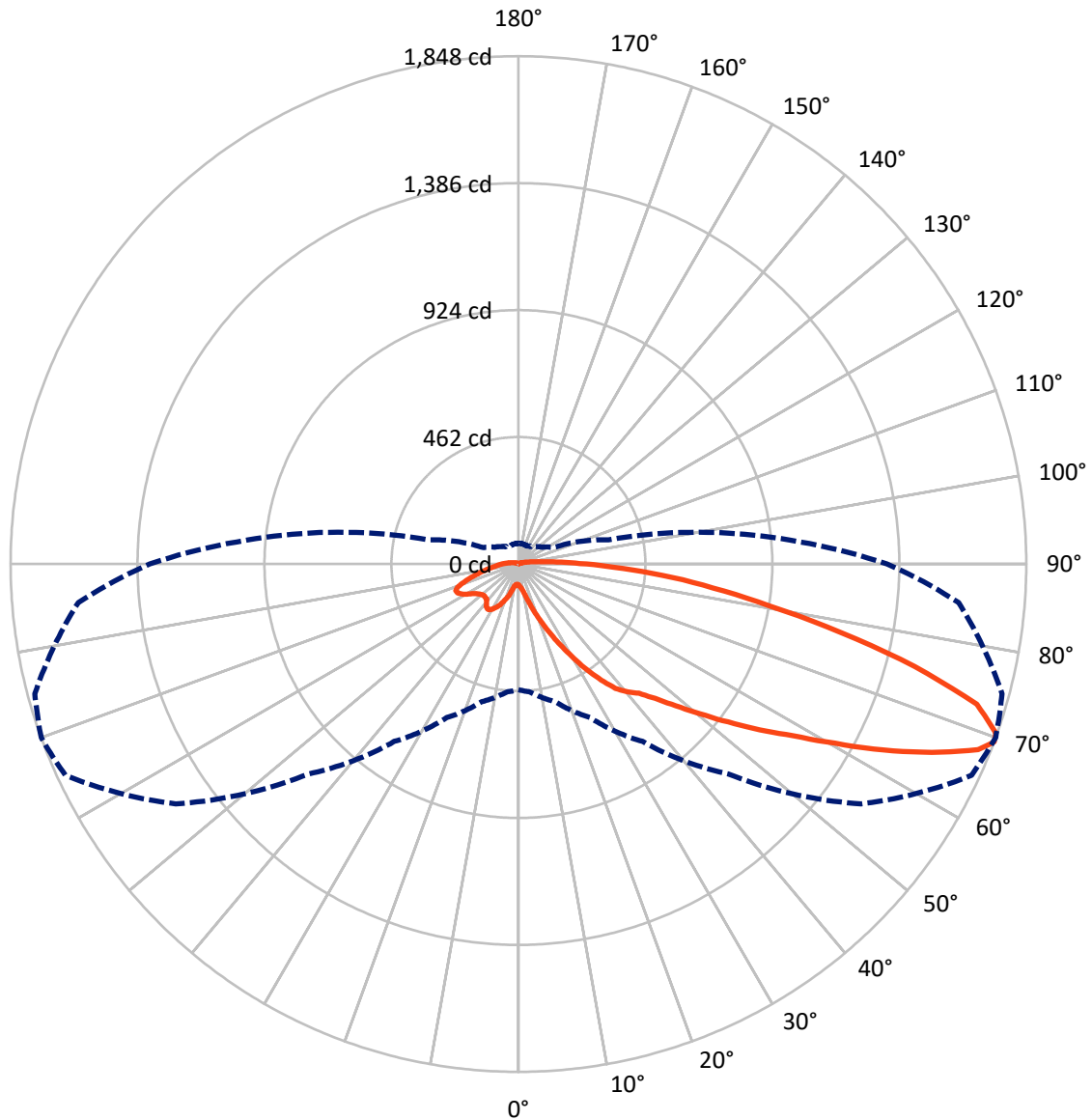


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

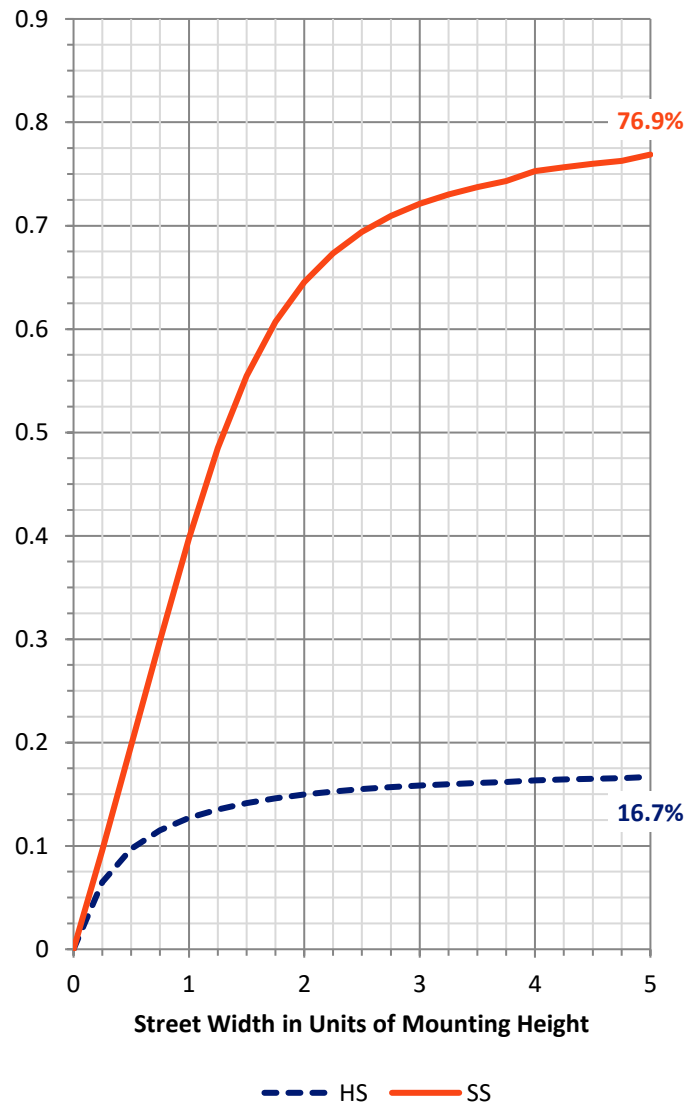
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.6	36.9	504.5
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	2122.9	60.8	2183.8
	% Fixture	79.0	2.3	81.2
Total	Lumens	2590.5	97.7	2688.3
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	34.5	1.3
20°-30°	96.0	3.6
30°-40°	202.9	7.5
40°-50°	340.4	12.7
50°-60°	513.2	19.1
60°-70°	667.7	24.8
70°-80°	522.2	19.4
80°-90°	205.7	7.7
90°-100°	61.0	2.3
100°-110°	20.0	0.7
110°-120°	8.6	0.3
120°-130°	4.6	0.2
130°-140°	2.5	0.1
140°-150°	0.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2590.5	96.4
0°-180°	2688.3	100.0

Coefficient of Utilization



REPORT NUMBER: P266030

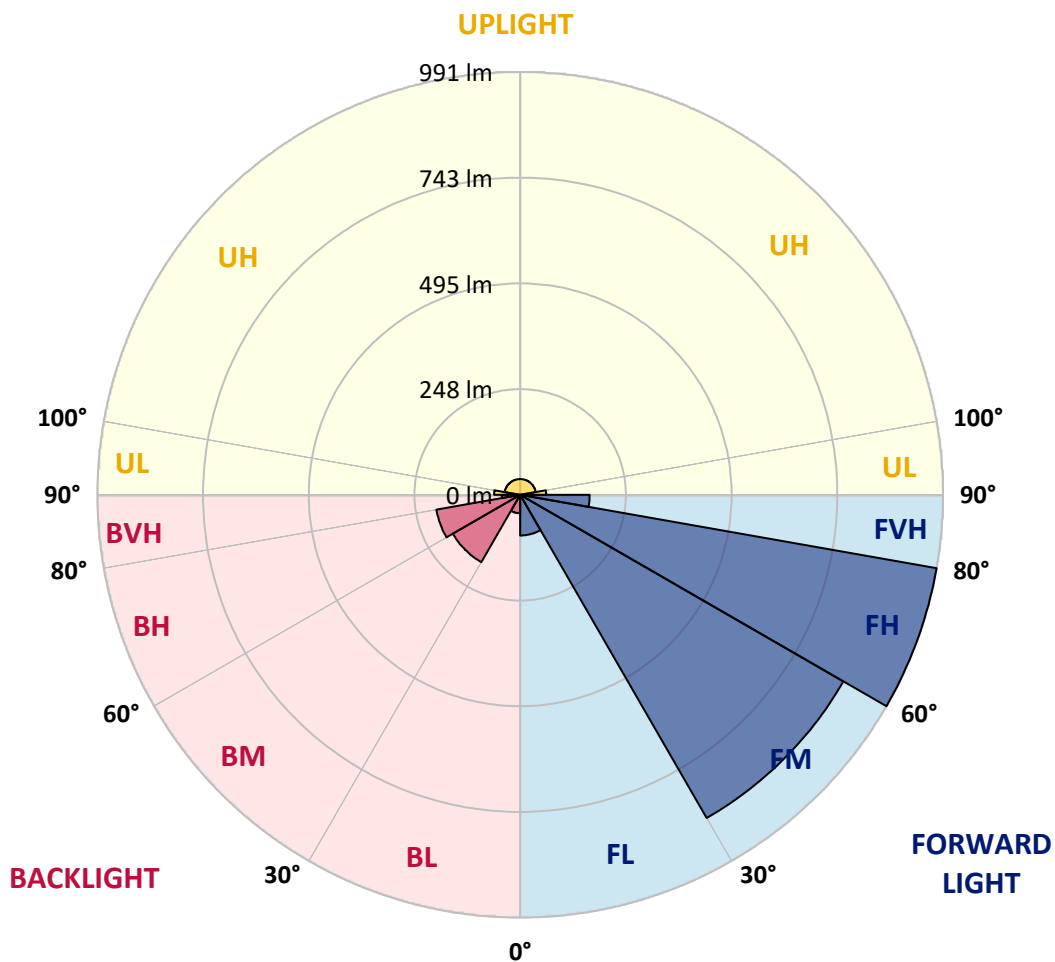
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.3	3.5			
FM	(30°-60°)	874.3	32.5			
FH	(60°-80°)	990.6	36.8			G1/1800
FVH	(80°-90°)	162.7	6.1			G2/225
BL	(0°-30°)	43.2	1.6	B0/110		
BM	(30°-60°)	182.2	6.8	B0/220		
BH	(60°-80°)	199.3	7.4	B1/500		G1/500
BVH	(80°-90°)	43.0	1.6			G1/100
UL	(90°-100°)	61.0	2.3		U3/500	
UH	(100°-180°)	36.9	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	85.8	85.8	86.1	85.8	85.5	84.1	82.7	81.0	80.4	79.7	78.1
5°	95.5	95.5	95.2	94.5	93.9	91.4	89.6	86.7	85.5	84.1	81.0
7.5°	107.3	107.0	106.7	105.3	103.9	100.9	97.8	94.5	92.5	90.8	86.7
10°	121.5	121.1	120.7	118.3	116.4	113.0	110.0	105.6	103.9	101.6	95.8
12.5°	139.5	140.7	138.6	134.8	132.2	127.5	125.5	122.4	120.5	119.5	113.4
15°	162.5	163.1	160.4	154.4	150.7	146.1	146.7	147.1	146.1	146.1	138.6
17.5°	190.1	188.7	186.7	178.0	172.2	170.1	173.3	176.2	177.0	178.0	170.1
20°	224.8	225.4	219.4	206.5	197.4	198.2	201.8	207.6	210.3	212.5	204.5
22.5°	272.1	266.7	259.7	241.6	229.1	226.5	232.1	243.3	247.7	253.6	246.0
25°	322.9	317.6	305.2	284.3	265.4	257.4	266.7	285.9	293.3	303.4	296.7
27.5°	377.1	372.7	353.9	331.7	306.1	291.9	304.4	330.3	342.2	354.9	347.6
30°	435.3	430.3	408.1	381.8	349.5	331.7	341.4	378.7	398.3	415.7	412.4
32.5°	504.6	497.9	470.6	437.4	395.0	373.8	384.1	435.0	459.6	482.1	477.4
35°	582.0	578.6	542.2	499.8	447.7	417.8	432.3	487.4	518.4	542.2	535.8
37.5°	670.8	666.7	625.4	569.2	503.0	465.2	476.0	537.9	573.8	599.1	584.9
40°	753.6	749.5	708.5	642.6	560.5	515.1	524.2	579.2	611.9	632.4	606.5
42.5°	842.0	834.3	788.5	712.4	621.6	567.9	565.8	610.8	642.2	668.8	641.8
45°	920.0	918.1	868.9	781.9	683.3	619.7	606.5	656.7	697.8	733.3	705.8
47.5°	969.2	966.4	930.5	843.7	737.1	670.1	660.8	721.9	770.0	808.7	776.8
50°	995.4	994.5	968.8	890.8	790.9	725.7	732.4	801.6	855.8	904.2	870.0
52.5°	1006.9	1006.9	987.0	924.4	838.7	789.3	814.5	893.9	954.7	1006.9	961.0
55°	1005.6	1005.8	985.4	932.5	876.7	855.8	907.9	1002.8	1064.4	1120.5	1067.0
57.5°	963.2	965.8	961.5	927.1	897.1	923.5	1015.7	1119.8	1177.8	1230.9	1171.0
60°	861.1	868.2	883.8	890.5	901.9	987.6	1127.6	1252.1	1323.7	1388.7	1339.6
62.5°	762.7	768.7	790.1	819.4	889.1	1036.5	1252.1	1433.4	1490.6	1552.8	1461.7
65°	642.8	652.3	694.3	749.8	858.2	1070.8	1389.4	1603.4	1652.4	1682.3	1569.2
67.5°	522.5	531.2	581.7	670.1	817.7	1090.6	1490.6	1754.7	1803.1	1806.1	1638.2
69°	457.1	466.8	518.7	616.2	787.9	1079.9	1521.5	1818.6	1847.5	1821.4	1607.3
70°	422.3	422.3	479.8	579.2	761.7	1060.0	1526.6	1823.3	1842.2	1803.4	1574.6
72.5°	306.1	309.5	369.7	485.8	677.9	980.0	1442.1	1732.8	1743.6	1639.6	1356.7
75°	209.9	213.3	266.4	377.5	569.5	852.9	1272.3	1498.7	1489.3	1374.9	1097.0
77.5°	145.3	147.7	188.0	275.2	450.4	705.8	1060.4	1225.2	1201.9	1095.0	820.8
80°	102.0	104.4	135.3	204.5	341.7	555.4	840.6	959.7	926.2	830.9	602.9
82.5°	71.7	73.8	99.3	154.8	259.0	432.3	663.0	746.5	713.2	628.8	430.9
85°	51.2	52.6	72.0	117.8	198.4	322.3	503.3	559.5	525.5	447.4	286.3
87.5°	37.0	38.4	53.2	88.8	153.7	250.5	372.1	396.0	348.5	283.2	181.0
90°	27.8	28.9	40.1	66.7	119.7	184.1	266.4	258.1	223.4	178.7	120.7
92.5°	20.9	21.5	30.6	50.5	91.8	143.0	185.1	168.3	139.2	113.0	82.5
95°	15.5	16.2	23.1	38.0	67.9	102.5	120.7	103.9	86.7	71.7	56.1
97.5°	11.8	12.4	18.1	28.9	49.0	72.4	78.1	66.3	57.5	49.0	40.1
100°	9.4	9.7	14.2	22.2	35.4	49.4	53.8	46.2	40.3	36.0	30.3
102.5°	7.4	8.1	11.5	17.4	26.9	36.7	39.0	33.6	30.0	26.9	23.9
105°	6.4	6.7	9.4	14.2	21.2	27.6	29.6	25.2	22.2	20.2	18.5
107.5°	5.7	5.7	8.1	11.8	17.2	21.9	22.8	18.9	16.4	15.1	14.2



REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	5.0	5.0	7.0	10.2	14.5	18.1	17.8	14.2	12.4	11.0	11.0
112.5°	4.8	4.8	6.1	9.2	12.4	15.1	14.2	11.0	9.7	8.4	9.2
115°	4.4	4.4	5.7	8.1	11.0	12.8	11.8	8.8	7.4	6.7	7.4
117.5°	4.4	4.4	5.4	7.4	10.2	11.0	10.2	7.4	6.1	5.7	6.4
120°	4.4	4.4	5.4	7.0	9.2	9.7	8.4	6.1	5.4	4.8	5.7
122.5°	4.4	4.4	5.0	6.7	8.4	8.8	7.4	5.4	4.4	4.4	5.0
125°	4.8	4.8	5.4	6.7	7.7	7.7	6.4	4.8	4.0	4.0	5.0
127.5°	5.0	5.0	5.4	6.4	7.0	6.7	5.7	4.4	4.0	4.0	4.8
130°	5.4	5.4	5.7	6.1	6.4	5.7	4.8	4.0	3.8	4.0	4.8
132.5°	5.4	5.4	5.4	5.7	5.7	5.0	4.0	3.4	3.4	3.8	4.4
135°	5.0	5.0	5.0	5.0	5.0	4.0	3.4	3.1	3.1	3.4	4.0
137.5°	4.4	4.4	4.0	4.0	4.0	3.4	2.6	2.3	2.3	2.6	3.4
140°	3.4	3.4	3.4	3.4	3.4	2.6	2.1	1.6	2.1	2.3	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.1	1.3	1.6	2.1	2.1	2.3
145°	2.3	2.1	2.1	2.1	2.1	1.3	1.0	1.3	1.6	2.1	2.1
147.5°	1.6	1.6	1.6	1.6	1.3	0.7	0.7	1.3	1.3	1.6	2.1
150°	1.0	1.0	1.0	1.0	0.7	0.3	0.7	1.0	1.3	1.3	1.6
152.5°	0.3	0.3	0.7	0.7	0.3	0.0	0.3	0.7	1.0	1.0	1.3
155°	0.0	0.0	0.3	0.7	0.0	0.0	0.3	0.7	0.7	1.0	1.0
157.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.7	0.7	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	77.1	76.4	75.0	74.0	72.7	71.7	71.7	70.6	70.6	70.2	70.0
5°	79.7	78.7	75.4	73.0	70.6	68.6	67.4	66.3	65.2	64.6	64.3
7.5°	84.8	82.5	77.8	73.8	69.6	66.7	63.9	62.3	60.8	60.5	59.8
10°	93.2	90.5	83.2	76.4	70.2	65.2	62.0	59.6	58.2	57.9	57.5
12.5°	109.7	105.6	95.0	83.7	72.4	64.6	60.2	59.8	60.2	60.8	61.3
15°	133.6	129.1	112.6	95.2	77.8	65.5	63.2	63.9	64.9	65.9	65.9
17.5°	162.9	155.4	133.2	107.9	84.4	71.7	66.3	67.0	69.0	70.6	70.6
20°	195.4	183.7	152.4	117.4	90.8	75.6	69.3	69.6	72.7	74.6	75.0
22.5°	235.1	217.3	172.6	125.1	94.5	77.3	71.3	71.7	76.4	79.7	80.0
25°	279.9	256.6	195.8	133.6	95.8	76.6	72.4	74.6	82.0	87.9	88.2
27.5°	324.6	292.7	213.5	139.2	95.0	74.6	73.0	78.1	87.1	92.5	93.2
30°	382.5	342.4	233.5	141.7	91.4	72.7	73.0	79.4	87.1	92.5	92.9
32.5°	440.0	385.6	249.5	143.3	87.9	71.0	72.0	77.8	85.1	91.2	91.4
35°	488.8	419.9	256.6	140.0	84.4	70.0	70.2	76.0	84.4	91.8	92.2
37.5°	524.8	442.1	255.9	132.0	80.4	69.0	69.3	75.6	85.1	93.2	94.2
40°	536.8	443.4	243.3	120.2	77.8	68.6	69.6	75.6	84.4	91.2	92.2
42.5°	565.2	455.1	234.5	109.7	75.6	69.3	70.6	74.6	81.0	87.5	88.8
45°	615.6	487.2	236.9	104.7	75.4	71.0	71.3	73.8	78.1	84.1	85.8
47.5°	670.1	519.8	237.8	102.0	77.1	72.7	72.4	72.7	75.0	80.0	81.7
50°	745.5	568.8	243.3	101.6	79.7	74.6	73.3	72.0	73.8	79.7	81.3
52.5°	823.1	621.0	252.0	103.7	83.7	77.3	74.6	72.4	73.8	79.1	81.3
55°	910.0	685.9	264.7	107.6	87.9	80.4	76.4	73.3	73.3	78.1	80.0
57.5°	1005.8	752.9	281.6	113.0	92.2	83.7	77.8	73.8	73.0	76.0	77.8
60°	1155.0	865.2	311.2	120.7	96.6	86.4	78.7	74.0	73.3	75.6	76.6
62.5°	1253.8	943.3	336.8	128.5	100.6	88.8	79.1	74.0	74.0	75.4	76.0
65°	1347.6	1011.6	353.9	135.6	104.4	90.2	79.1	73.8	74.0	75.0	75.0
67.5°	1379.3	1028.6	354.9	140.7	106.7	90.2	78.4	73.3	74.3	75.4	75.0
69°	1341.2	993.0	339.7	140.9	106.7	89.1	77.8	72.7	74.3	75.4	75.0
70°	1305.2	962.4	327.1	139.5	105.6	88.2	76.6	72.4	74.0	75.0	74.6
72.5°	1102.4	795.5	276.9	132.9	102.0	84.8	73.8	70.0	72.4	73.8	73.0
75°	878.4	627.0	225.7	121.1	95.5	79.4	69.6	66.3	69.0	70.2	69.3
77.5°	654.7	464.2	180.6	109.4	88.5	74.6	65.2	61.5	63.6	64.3	63.2
80°	475.1	337.0	144.9	98.5	82.0	70.0	60.8	56.9	58.5	58.5	57.2
82.5°	335.7	239.5	117.0	87.9	75.4	65.9	57.2	52.8	55.2	54.8	53.4
85°	225.0	166.1	95.8	76.0	67.6	60.5	53.2	49.8	52.6	52.1	50.8
87.5°	148.9	118.8	80.4	65.9	59.2	53.8	48.5	46.2	48.8	48.1	46.4
90°	105.6	89.8	67.9	56.9	50.8	46.7	43.1	41.4	43.1	41.7	40.1
92.5°	76.0	67.4	55.9	47.8	42.4	39.6	37.3	36.0	37.0	34.9	33.6
95°	53.8	49.4	44.7	39.3	35.4	33.0	31.6	30.9	31.6	28.6	27.6
97.5°	39.3	37.3	35.4	32.6	29.3	27.8	26.9	26.2	26.2	23.1	22.5
100°	30.6	29.6	28.9	27.3	24.6	23.5	22.8	22.5	21.9	19.1	18.5
102.5°	24.6	24.3	24.3	22.5	20.5	19.9	19.1	18.9	18.1	15.8	15.1
105°	19.6	19.6	19.9	18.5	17.2	16.4	16.2	15.5	14.8	13.1	13.1
107.5°	15.5	15.5	16.2	15.1	14.5	13.8	13.5	12.8	12.0	11.0	11.0



REPORT NUMBER: P266030

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.0	12.4	13.5	12.8	12.0	11.8	11.5	10.4	9.7	9.4	9.4
112.5°	9.7	10.4	11.0	10.8	10.2	10.2	9.4	8.8	8.1	8.1	8.1
115°	8.4	8.8	9.4	9.2	8.8	8.4	8.1	7.0	6.7	6.7	7.0
117.5°	7.0	7.4	8.1	7.7	7.4	7.4	6.7	6.1	5.4	6.1	6.1
120°	6.1	6.4	6.7	6.7	6.4	6.4	5.7	5.0	4.4	5.0	5.0
122.5°	5.7	5.7	6.1	5.7	5.7	5.4	4.8	4.0	3.8	4.4	4.4
125°	5.4	5.4	5.4	5.0	5.0	4.8	4.0	3.4	3.1	3.8	3.8
127.5°	5.0	5.0	5.0	4.8	4.0	3.8	3.4	2.6	2.3	3.1	3.1
130°	5.0	5.0	4.4	4.0	3.8	3.1	2.6	2.1	2.1	2.6	2.6
132.5°	4.8	4.4	4.0	3.4	3.1	2.3	2.1	1.6	1.6	2.1	2.3
135°	4.0	4.0	3.4	2.6	2.3	1.6	1.6	1.0	1.3	1.6	1.6
137.5°	3.4	3.4	3.1	2.3	1.6	1.3	1.0	0.7	1.0	1.3	1.3
140°	3.1	2.6	2.3	2.1	1.3	0.7	0.7	0.3	0.7	0.7	1.0
142.5°	2.6	2.6	2.3	1.6	1.0	0.7	0.0	0.3	0.3	0.3	0.7
145°	2.3	2.3	2.1	1.3	1.0	0.3	0.0	0.3	0.3	0.3	0.0
147.5°	2.1	2.1	1.6	1.3	0.7	0.0	0.0	0.0	0.3	0.0	0.0
150°	1.6	1.6	1.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	0.3	0.3	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)