

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: P254410

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254410
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2992.6 lumens
Efficiency: N/A
Efficacy: 96.5 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

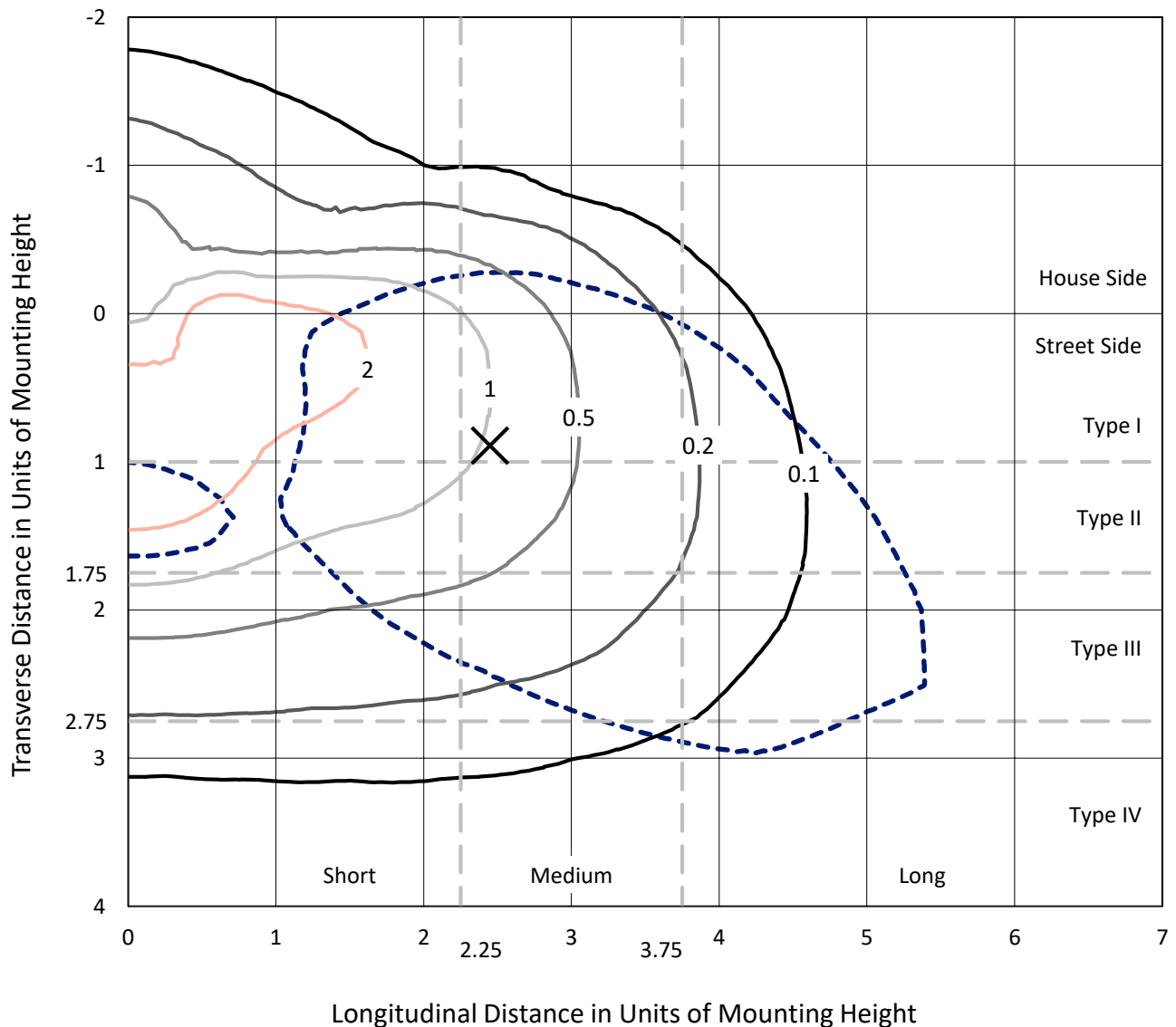


REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

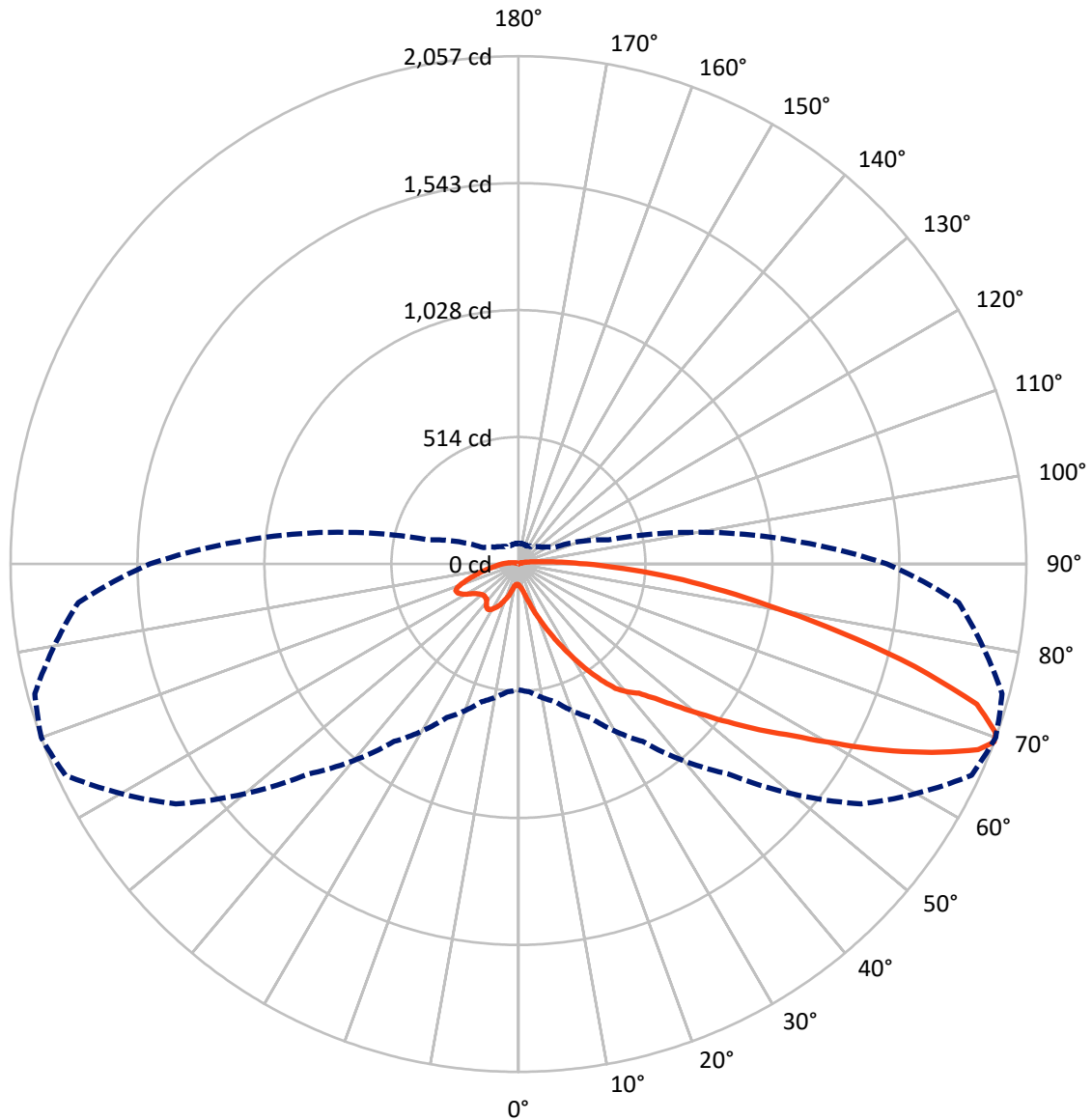


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

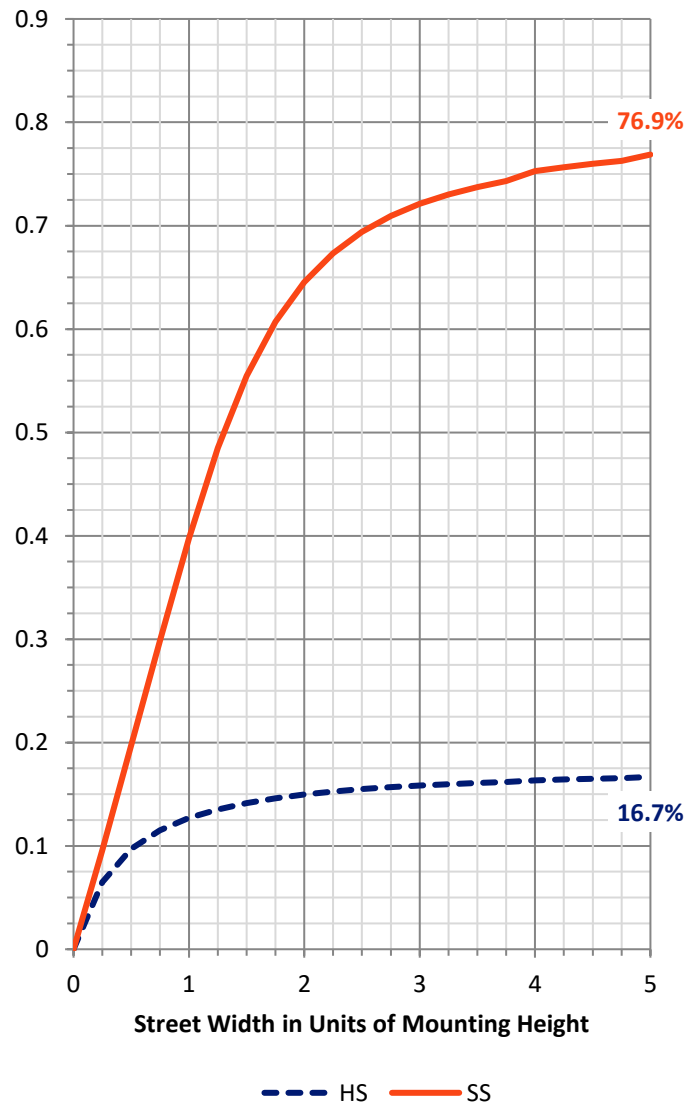
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	520.5	41.1	561.6
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	2363.3	67.7	2431.0
	% Fixture	79.0	2.3	81.2
Total	Lumens	2883.8	108.8	2992.6
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.3
10°-20°	38.4	1.3
20°-30°	106.9	3.6
30°-40°	225.8	7.5
40°-50°	378.9	12.7
50°-60°	571.3	19.1
60°-70°	743.3	24.8
70°-80°	581.3	19.4
80°-90°	229.0	7.7
90°-100°	67.9	2.3
100°-110°	22.2	0.7
110°-120°	9.6	0.3
120°-130°	5.2	0.2
130°-140°	2.8	0.1
140°-150°	1.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2883.8	96.4
0°-180°	2992.6	100.0



REPORT NUMBER: P254410

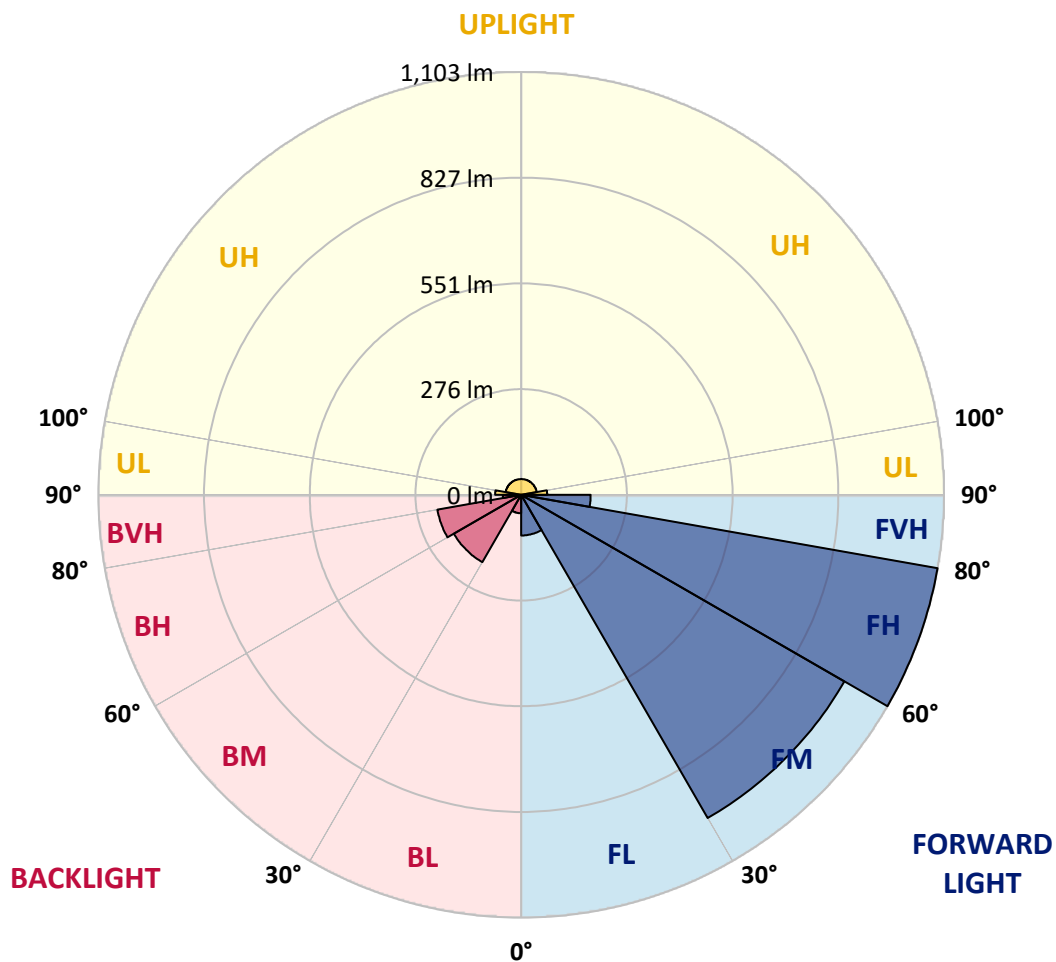
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.1	3.5			
FM	(30°-60°)	973.3	32.5			
FH	(60°-80°)	1102.8	36.8			G1/1800
FVH	(80°-90°)	181.2	6.1			G2/225
BL	(0°-30°)	48.1	1.6	B0/110		
BM	(30°-60°)	202.8	6.8	B0/220		
BH	(60°-80°)	221.8	7.4	B1/500		G1/500
BVH	(80°-90°)	47.8	1.6			G1/100
UL	(90°-100°)	67.9	2.3		U3/500	
UH	(100°-180°)	41.1	1.4		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2.5°	95.5	95.5	95.8	95.5	95.2	93.6	92.1	90.2	89.5	88.7	86.9
5°	106.3	106.3	106.0	105.2	104.5	101.8	99.7	96.5	95.2	93.6	90.2
7.5°	119.4	119.1	118.8	117.2	115.7	112.3	108.9	105.2	103.0	101.1	96.5
10°	135.2	134.8	134.4	131.7	129.6	125.8	122.5	117.6	115.7	113.1	106.7
12.5°	155.3	156.6	154.3	150.1	147.2	141.9	139.7	136.3	134.1	133.0	126.2
15°	180.9	181.6	178.6	171.9	167.8	162.6	163.3	163.7	162.6	162.6	154.3
17.5°	211.6	210.1	207.8	198.1	191.7	189.4	192.9	196.2	197.0	198.1	189.4
20°	250.2	250.9	244.2	229.9	219.8	220.6	224.7	231.1	234.1	236.6	227.7
22.5°	302.9	296.9	289.1	268.9	255.0	252.1	258.4	270.8	275.7	282.3	273.8
25°	359.5	353.6	339.7	316.5	295.4	286.5	296.9	318.3	326.5	337.8	330.3
27.5°	419.8	414.9	394.0	369.3	340.8	325.0	338.9	367.7	380.9	395.1	386.9
30°	484.6	479.0	454.3	425.0	389.1	369.3	380.1	421.6	443.4	462.8	459.1
32.5°	561.7	554.3	523.9	486.9	439.7	416.1	427.6	484.2	511.6	536.7	531.4
35°	647.9	644.1	603.6	556.4	498.4	465.1	481.2	542.6	577.1	603.6	596.5
37.5°	746.7	742.2	696.2	633.6	559.9	517.9	529.9	598.8	638.8	666.9	651.1
40°	838.9	834.3	788.7	715.3	623.9	573.4	583.5	644.8	681.2	704.0	675.2
42.5°	937.3	928.7	877.8	793.1	692.0	632.2	629.9	680.0	714.9	744.5	714.5
45°	1024.2	1022.0	967.3	870.4	760.6	689.8	675.2	731.0	776.8	816.3	785.7
47.5°	1078.9	1075.8	1035.8	939.2	820.5	746.0	735.6	803.6	857.2	900.3	864.7
50°	1108.1	1107.1	1078.5	991.6	880.4	807.8	815.3	892.4	952.7	1006.6	968.5
52.5°	1120.9	1120.9	1098.7	1029.1	933.6	878.6	906.7	995.1	1062.8	1120.9	1069.8
55°	1119.4	1119.7	1096.9	1038.1	975.9	952.7	1010.7	1116.3	1184.9	1247.4	1187.8
57.5°	1072.2	1075.1	1070.3	1032.1	998.7	1028.0	1130.7	1246.6	1311.1	1370.2	1303.6
60°	958.6	966.5	983.8	991.3	1004.0	1099.4	1255.3	1393.8	1473.6	1545.9	1491.2
62.5°	849.0	855.7	879.6	912.2	989.8	1153.8	1393.8	1595.7	1659.3	1728.6	1627.2
65°	715.6	726.1	772.9	834.7	955.4	1192.0	1546.7	1784.9	1839.5	1872.8	1746.9
67.5°	581.6	591.3	647.5	746.0	910.3	1214.1	1659.3	1953.3	2007.2	2010.6	1823.7
69°	508.9	519.7	577.4	686.0	877.1	1202.1	1693.8	2024.5	2056.7	2027.6	1789.3
70°	470.1	470.1	534.1	644.8	847.9	1180.0	1699.4	2029.7	2050.7	2007.6	1752.9
72.5°	340.8	344.5	411.6	540.8	754.6	1090.9	1605.4	1929.0	1941.0	1825.2	1510.3
75°	233.7	237.4	296.6	420.2	634.0	949.4	1416.3	1668.4	1657.9	1530.5	1221.2
77.5°	161.8	164.4	209.3	306.4	501.4	785.7	1180.4	1363.9	1338.0	1219.0	913.7
80°	113.5	116.2	150.6	227.7	380.4	618.3	935.8	1068.4	1031.0	925.0	671.1
82.5°	79.8	82.1	110.5	172.3	288.3	481.2	738.1	831.0	793.9	700.0	479.7
85°	57.0	58.5	80.1	131.1	220.9	358.8	560.3	622.8	585.0	498.1	318.7
87.5°	41.2	42.7	59.2	98.9	171.1	278.9	414.2	440.8	388.0	315.3	201.5
90°	31.0	32.2	44.6	74.2	133.3	204.9	296.6	287.3	248.7	198.9	134.4
92.5°	23.3	23.9	34.1	56.2	102.2	159.2	206.0	187.3	155.0	125.8	91.8
95°	17.3	18.0	25.7	42.3	75.6	114.1	134.4	115.7	96.5	79.8	62.5
97.5°	13.1	13.8	20.2	32.2	54.6	80.6	86.9	73.8	64.0	54.6	44.6
100°	10.5	10.8	15.8	24.7	39.4	55.0	59.9	51.4	44.9	40.1	33.7
102.5°	8.2	9.0	12.8	19.4	29.9	40.9	43.4	37.4	33.4	29.9	26.6
105°	7.1	7.5	10.5	15.8	23.6	30.7	33.0	28.1	24.7	22.5	20.6
107.5°	6.3	6.3	9.0	13.1	19.1	24.4	25.4	21.0	18.3	16.8	15.8



REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	5.6	5.6	7.8	11.3	16.1	20.2	19.8	15.8	13.8	12.3	12.3
112.5°	5.3	5.3	6.8	10.2	13.8	16.8	15.8	12.3	10.8	9.4	10.2
115°	4.9	4.9	6.3	9.0	12.3	14.2	13.1	9.8	8.2	7.5	8.2
117.5°	4.9	4.9	6.0	8.2	11.3	12.3	11.3	8.2	6.8	6.3	7.1
120°	4.9	4.9	6.0	7.8	10.2	10.8	9.4	6.8	6.0	5.3	6.3
122.5°	4.9	4.9	5.6	7.5	9.4	9.8	8.2	6.0	4.9	4.9	5.6
125°	5.3	5.3	6.0	7.5	8.6	8.6	7.1	5.3	4.5	4.5	5.6
127.5°	5.6	5.6	6.0	7.1	7.8	7.5	6.3	4.9	4.5	4.5	5.3
130°	6.0	6.0	6.3	6.8	7.1	6.3	5.3	4.5	4.2	4.5	5.3
132.5°	6.0	6.0	6.0	6.3	6.3	5.6	4.5	3.8	3.8	4.2	4.9
135°	5.6	5.6	5.6	5.6	5.6	4.5	3.8	3.4	3.4	3.8	4.5
137.5°	4.9	4.9	4.5	4.5	4.5	3.8	2.9	2.6	2.6	2.9	3.8
140°	3.8	3.8	3.8	3.8	3.8	2.9	2.3	1.8	2.3	2.6	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.3	1.5	1.8	2.3	2.3	2.6
145°	2.6	2.3	2.3	2.3	2.3	1.5	1.1	1.5	1.8	2.3	2.3
147.5°	1.8	1.8	1.8	1.8	1.5	0.8	0.8	1.5	1.5	1.8	2.3
150°	1.1	1.1	1.1	1.1	0.8	0.3	0.8	1.1	1.5	1.5	1.8
152.5°	0.3	0.3	0.8	0.8	0.3	0.0	0.3	0.8	1.1	1.1	1.5
155°	0.0	0.0	0.3	0.8	0.0	0.0	0.3	0.8	0.8	1.1	1.1
157.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3	0.8	0.8	1.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.8
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: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2.5°	85.8	85.0	83.5	82.4	80.9	79.8	79.8	78.6	78.6	78.2	77.9
5°	88.7	87.6	83.9	81.3	78.6	76.4	75.0	73.8	72.6	71.9	71.6
7.5°	94.4	91.8	86.6	82.1	77.5	74.2	71.1	69.3	67.7	67.4	66.6
10°	103.7	100.7	92.6	85.0	78.2	72.6	69.0	66.3	64.8	64.5	64.0
12.5°	122.1	117.6	105.7	93.2	80.6	71.9	67.0	66.6	67.0	67.7	68.2
15°	148.7	143.7	125.4	106.0	86.6	72.9	70.4	71.1	72.3	73.4	73.4
17.5°	181.3	173.0	148.3	120.1	94.0	79.8	73.8	74.6	76.8	78.6	78.6
20°	217.5	204.5	169.7	130.7	101.1	84.2	77.1	77.5	80.9	83.1	83.5
22.5°	261.7	241.9	192.1	139.3	105.2	86.1	79.4	79.8	85.0	88.7	89.1
25°	311.6	285.7	218.0	148.7	106.7	85.3	80.6	83.1	91.3	97.8	98.2
27.5°	361.4	325.8	237.7	155.0	105.7	83.1	81.3	86.9	97.0	103.0	103.7
30°	425.8	381.2	259.9	157.7	101.8	80.9	81.3	88.4	97.0	103.0	103.4
32.5°	489.8	429.2	277.8	159.5	97.8	79.0	80.1	86.6	94.7	101.5	101.8
35°	544.1	467.4	285.7	155.8	94.0	77.9	78.2	84.6	94.0	102.2	102.6
37.5°	584.2	492.1	284.9	146.9	89.5	76.8	77.1	84.2	94.7	103.7	104.9
40°	597.6	493.6	270.8	133.8	86.6	76.4	77.5	84.2	94.0	101.5	102.6
42.5°	629.2	506.6	261.0	122.1	84.2	77.1	78.6	83.1	90.2	97.4	98.9
45°	685.3	542.3	263.7	116.5	83.9	79.0	79.4	82.1	86.9	93.6	95.5
47.5°	746.0	578.6	264.7	113.5	85.8	80.9	80.6	80.9	83.5	89.1	91.0
50°	829.9	633.2	270.8	113.1	88.7	83.1	81.6	80.1	82.1	88.7	90.5
52.5°	916.3	691.3	280.5	115.4	93.2	86.1	83.1	80.6	82.1	88.0	90.5
55°	1013.0	763.6	294.7	119.8	97.8	89.5	85.0	81.6	81.6	86.9	89.1
57.5°	1119.7	838.1	313.5	125.8	102.6	93.2	86.6	82.1	81.3	84.6	86.6
60°	1285.7	963.2	346.4	134.4	107.5	96.2	87.6	82.4	81.6	84.2	85.3
62.5°	1395.7	1050.1	374.9	143.0	112.0	98.9	88.0	82.4	82.4	83.9	84.6
65°	1500.2	1126.1	394.0	150.9	116.2	100.4	88.0	82.1	82.4	83.5	83.5
67.5°	1535.4	1145.1	395.1	156.6	118.8	100.4	87.3	81.6	82.7	83.9	83.5
69°	1493.0	1105.4	378.2	156.9	118.8	99.2	86.6	80.9	82.7	83.9	83.5
70°	1453.0	1071.4	364.1	155.3	117.6	98.2	85.3	80.6	82.4	83.5	83.1
72.5°	1227.2	885.6	308.2	147.9	113.5	94.4	82.1	77.9	80.6	82.1	81.3
75°	977.8	698.0	251.3	134.8	106.3	88.4	77.5	73.8	76.8	78.2	77.1
77.5°	728.8	516.8	201.1	121.8	98.5	83.1	72.6	68.5	70.8	71.6	70.4
80°	528.9	375.2	161.3	109.7	91.3	77.9	67.7	63.3	65.1	65.1	63.7
82.5°	373.7	266.6	130.3	97.8	83.9	73.4	63.7	58.8	61.4	61.0	59.5
85°	250.5	184.9	106.7	84.6	75.3	67.4	59.2	55.4	58.5	58.0	56.6
87.5°	165.8	132.2	89.5	73.4	65.9	59.9	54.0	51.4	54.3	53.5	51.7
90°	117.6	100.0	75.6	63.3	56.6	52.0	48.0	46.1	48.0	46.4	44.6
92.5°	84.6	75.0	62.2	53.2	47.2	44.1	41.5	40.1	41.2	38.9	37.4
95°	59.9	55.0	49.8	43.8	39.4	36.7	35.2	34.4	35.2	31.8	30.7
97.5°	43.8	41.5	39.4	36.3	32.6	31.0	29.9	29.2	29.2	25.7	25.1
100°	34.1	33.0	32.2	30.4	27.4	26.2	25.4	25.1	24.4	21.3	20.6
102.5°	27.4	27.0	27.0	25.1	22.8	22.1	21.3	21.0	20.2	17.6	16.8
105°	21.8	21.8	22.1	20.6	19.1	18.3	18.0	17.3	16.5	14.6	14.6
107.5°	17.3	17.3	18.0	16.8	16.1	15.4	15.0	14.2	13.4	12.3	12.3



REPORT NUMBER: P254410

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.4	13.8	15.0	14.2	13.4	13.1	12.8	11.6	10.8	10.5	10.5
112.5°	10.8	11.6	12.3	12.0	11.3	11.3	10.5	9.8	9.0	9.0	9.0
115°	9.4	9.8	10.5	10.2	9.8	9.4	9.0	7.8	7.5	7.5	7.8
117.5°	7.8	8.2	9.0	8.6	8.2	8.2	7.5	6.8	6.0	6.8	6.8
120°	6.8	7.1	7.5	7.5	7.1	7.1	6.3	5.6	4.9	5.6	5.6
122.5°	6.3	6.3	6.8	6.3	6.3	6.0	5.3	4.5	4.2	4.9	4.9
125°	6.0	6.0	6.0	5.6	5.6	5.3	4.5	3.8	3.4	4.2	4.2
127.5°	5.6	5.6	5.6	5.3	4.5	4.2	3.8	2.9	2.6	3.4	3.4
130°	5.6	5.6	4.9	4.5	4.2	3.4	2.9	2.3	2.3	2.9	2.9
132.5°	5.3	4.9	4.5	3.8	3.4	2.6	2.3	1.8	1.8	2.3	2.6
135°	4.5	4.5	3.8	2.9	2.6	1.8	1.8	1.1	1.5	1.8	1.8
137.5°	3.8	3.8	3.4	2.6	1.8	1.5	1.1	0.8	1.1	1.5	1.5
140°	3.4	2.9	2.6	2.3	1.5	0.8	0.8	0.3	0.8	0.8	1.1
142.5°	2.9	2.9	2.6	1.8	1.1	0.8	0.0	0.3	0.3	0.3	0.8
145°	2.6	2.6	2.3	1.5	1.1	0.3	0.0	0.3	0.3	0.3	0.0
147.5°	2.3	2.3	1.8	1.5	0.8	0.0	0.0	0.0	0.3	0.0	0.0
150°	1.8	1.8	1.5	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	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)