

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: P414440

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-827-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1994 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 IV - Medium - 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

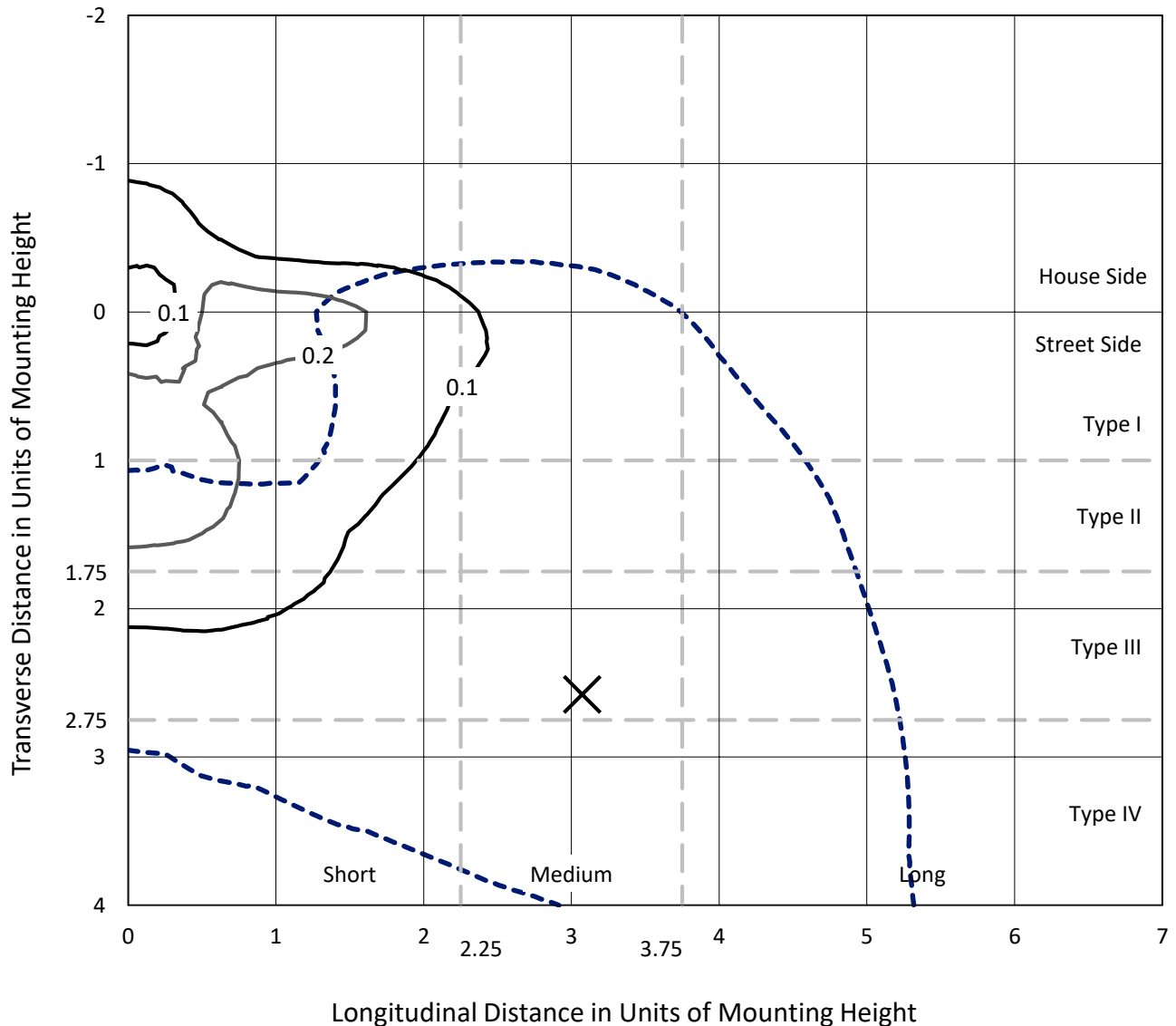


REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

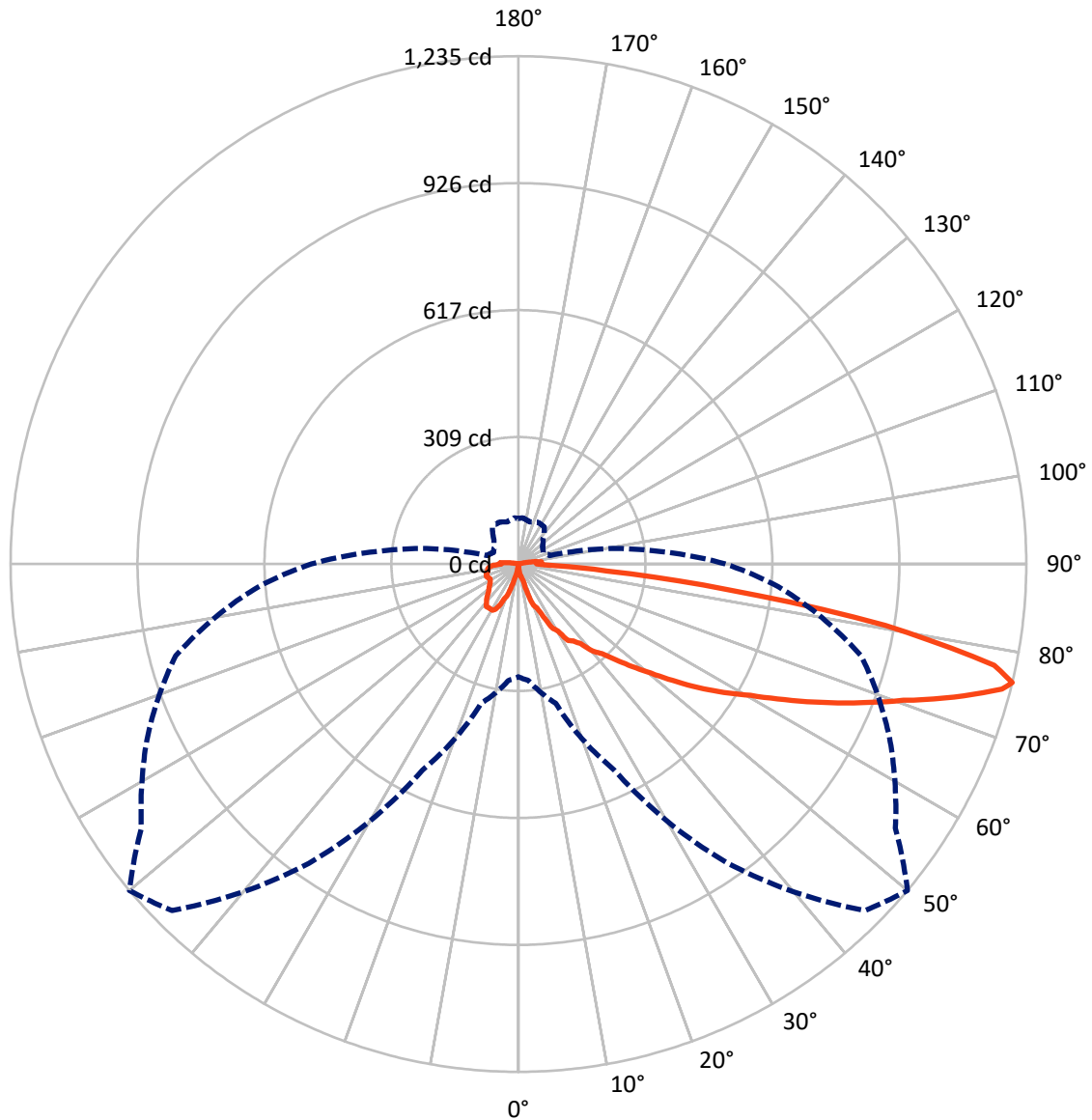


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.2	24.5	459.7
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	1514.6	19.7	1534.3
	% Fixture	76.0	1.0	76.9
Total	Lumens	1949.8	44.2	1994.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	16.6	0.8
20°-30°	65.0	3.3
30°-40°	140.0	7.0
40°-50°	228.1	11.4
50°-60°	367.2	18.4
60°-70°	534.9	26.8
70°-80°	477.2	23.9
80°-90°	119.5	6.0
90°-100°	35.0	1.8
100°-110°	5.2	0.3
110°-120°	1.5	0.1
120°-130°	1.0	0.1
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1949.8	97.8
0°-180°	1994.0	100.0



REPORT NUMBER: P414440

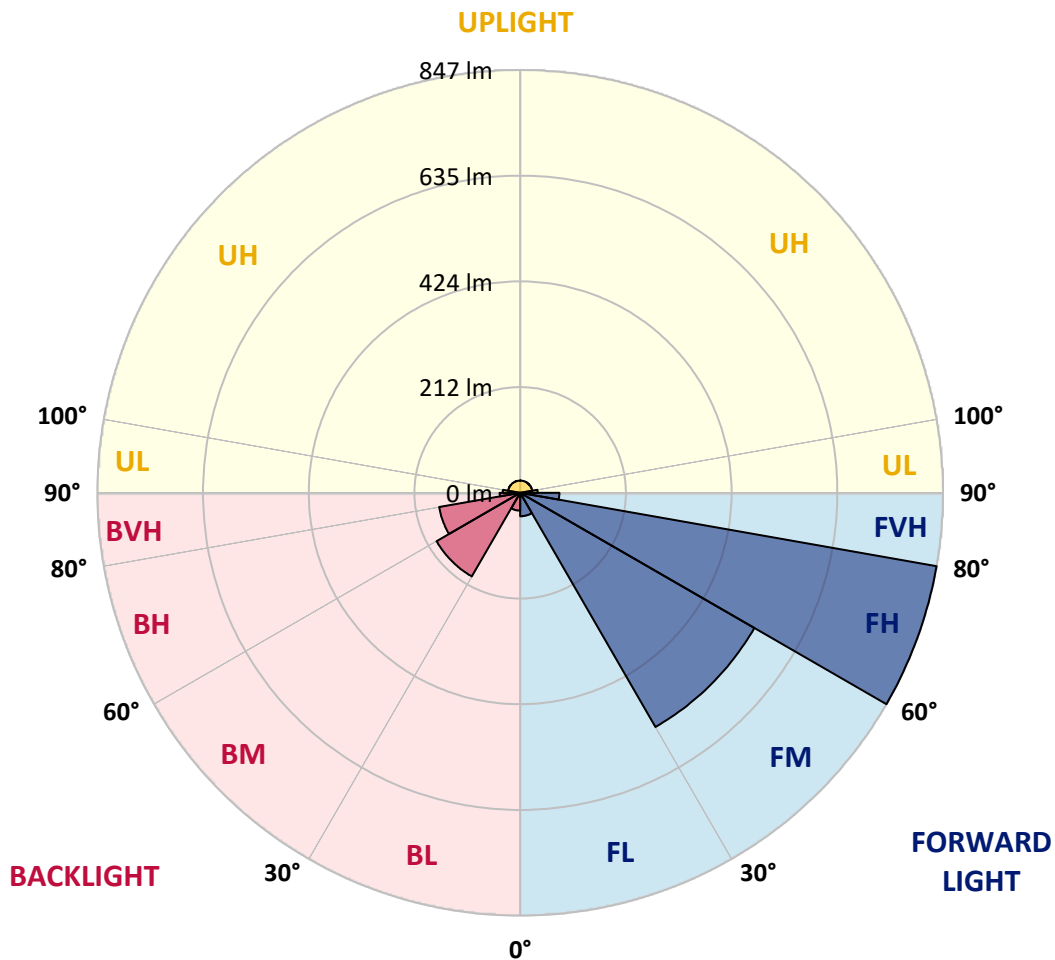
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.0	2.4			
FM	(30°-60°)	541.8	27.2			
FH	(60°-80°)	847.3	42.5			G1/1800
FVH	(80°-90°)	78.5	3.9			G1/100
BL	(0°-30°)	35.8	1.8	B0/110		
BM	(30°-60°)	193.5	9.7	B0/220		
BH	(60°-80°)	164.9	8.3	B1/500		G1/500
BVH	(80°-90°)	41.0	2.1			G1/100
UL	(90°-100°)	35.0	1.8		U2/50	
UH	(100°-180°)	24.5	1.2		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.9	2.2	2.0	1.8	1.8	1.6	1.6	1.3	1.3	1.3	1.3
5°	27.9	27.0	25.0	23.3	8.0	6.6	5.5	4.2	1.6	1.6	1.3
7.5°	33.5	32.8	31.5	30.6	29.3	27.3	25.0	11.7	4.7	1.8	1.6
10°	43.9	40.6	37.9	35.7	34.1	30.8	29.9	28.1	7.8	3.3	2.4
12.5°	78.4	76.7	74.0	50.3	41.4	35.5	34.1	32.6	25.3	12.0	21.5
15°	86.4	84.7	82.0	78.7	73.8	43.7	41.0	51.0	65.2	49.0	51.2
17.5°	101.5	100.6	93.5	85.5	80.7	85.8	86.0	78.0	74.0	64.7	58.9
20°	140.7	139.8	135.8	115.5	91.3	108.4	107.9	103.9	83.1	95.5	102.8
22.5°	146.5	145.4	141.8	136.3	144.5	118.8	115.9	115.9	122.5	129.9	121.0
25°	192.8	191.7	164.7	143.4	154.9	141.4	141.8	156.9	135.6	142.5	136.1
27.5°	201.4	199.9	197.7	183.5	163.1	179.1	176.6	168.4	176.4	196.8	189.9
30°	235.1	218.1	210.7	202.5	192.6	189.7	188.6	203.4	209.2	207.9	209.9
32.5°	272.8	272.1	265.0	216.1	217.8	203.9	221.8	228.5	219.6	252.4	273.5
35°	327.8	305.1	291.4	258.8	226.7	235.8	229.6	236.5	266.8	269.9	290.1
37.5°	412.0	410.6	379.2	285.6	261.5	241.3	245.8	264.8	284.8	289.2	316.5
40°	481.5	475.1	455.2	356.1	284.3	261.1	278.8	274.6	295.6	311.1	337.3
42.5°	533.2	539.2	527.9	412.2	330.2	292.3	297.6	292.1	311.6	340.6	367.2
45°	582.6	580.2	587.9	469.1	374.3	332.4	332.0	318.4	340.8	373.4	408.4
47.5°	622.9	619.4	627.4	531.0	425.0	368.8	371.9	354.3	375.8	414.4	469.6
50°	667.9	661.0	666.4	582.8	491.3	421.3	417.1	403.5	415.7	468.3	544.3
52.5°	722.0	717.1	707.6	634.5	559.6	475.3	470.0	456.9	470.2	535.2	626.9
55°	770.5	765.0	757.2	705.6	616.3	530.3	530.5	517.4	543.4	608.3	722.9
57.5°	821.0	818.4	822.4	785.1	697.4	587.7	589.0	581.0	627.6	683.4	824.6
60°	862.9	858.9	881.1	866.5	769.4	653.3	648.0	656.6	713.6	761.9	927.6
62.5°	878.9	881.5	923.4	941.4	839.2	724.0	726.0	737.7	793.1	855.8	1026.9
65°	804.0	813.3	930.3	954.5	917.0	802.4	812.0	810.0	874.7	925.0	1110.7
67.5°	722.7	733.3	860.5	957.8	977.3	894.6	899.5	879.8	944.9	968.2	1173.2
70°	665.0	673.2	777.8	938.9	1014.3	990.8	993.0	956.4	995.9	1018.9	1171.0
72.5°	565.3	574.0	670.6	867.8	1037.3	1107.4	1107.4	1026.7	1037.1	1017.8	1034.0
75°	382.0	385.4	464.5	673.7	977.7	1202.4	1214.0	1103.4	1022.9	924.5	771.2
76°	274.3	284.5	350.8	553.1	888.0	1191.6	1234.8	1118.9	995.2	862.7	634.7
77.5°	145.4	154.7	207.0	354.1	720.2	1108.0	1182.7	1071.2	907.5	740.6	469.4
80°	57.0	56.3	71.1	126.1	364.8	842.8	905.0	789.6	613.8	429.0	222.9
82.5°	31.2	34.3	45.2	66.7	158.2	464.9	511.2	416.6	313.3	197.9	130.3
85°	19.9	20.4	26.6	41.2	97.7	195.9	215.2	178.4	146.7	121.4	92.6
87.5°	12.0	12.4	14.0	19.1	48.3	57.6	62.9	74.0	84.2	83.5	80.0
90°	8.2	8.2	6.9	7.5	22.6	46.1	44.3	47.2	43.0	54.5	77.1
92.5°	8.0	8.0	6.6	6.9	19.3	51.2	51.4	51.2	45.4	55.6	81.1
95°	7.1	7.3	5.8	6.0	14.2	47.9	56.3	54.5	45.9	56.1	80.9
97.5°	6.0	6.2	4.4	5.1	9.5	32.4	41.9	42.8	28.6	28.4	36.6
100°	4.4	4.7	3.1	4.0	5.8	14.8	22.4	21.1	14.2	7.8	5.1
102.5°	4.2	4.4	2.7	3.1	3.5	5.1	8.2	6.2	5.3	4.4	4.4
105°	4.7	4.7	2.4	2.2	2.2	2.4	2.0	2.9	3.1	3.3	4.7
107.5°	4.0	4.2	1.8	1.8	1.6	1.6	1.3	1.3	1.8	2.9	5.1



REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	3.1	3.1	1.6	1.6	1.1	1.3	1.3	1.1	1.6	2.2	4.0
112.5°	1.8	2.0	0.9	1.3	0.9	1.1	1.1	0.9	1.3	1.6	2.2
115°	1.8	1.8	0.9	0.7	0.7	0.7	0.9	0.9	1.1	1.6	2.4
117.5°	1.8	1.8	0.9	0.7	0.4	0.7	0.7	0.7	1.1	1.6	2.4
120°	1.8	1.8	0.9	0.4	0.4	0.4	0.4	0.7	1.1	1.6	2.4
122.5°	2.0	1.8	0.9	0.4	0.4	0.4	0.4	0.7	1.1	1.6	2.2
125°	2.0	1.8	0.9	0.4	0.4	0.4	0.4	0.7	0.9	1.3	2.0
127.5°	2.0	1.8	0.9	0.4	0.4	0.4	0.4	0.7	0.9	1.3	1.8
130°	1.8	1.8	0.9	0.4	0.4	0.4	0.4	0.7	0.9	1.3	1.8
132.5°	1.8	1.6	0.9	0.4	0.4	0.4	0.4	0.7	0.9	1.1	1.6
135°	1.6	1.3	0.9	0.4	0.7	0.4	0.7	0.7	0.9	1.1	1.3
137.5°	1.3	1.3	0.9	0.7	0.7	0.7	0.7	0.7	0.9	1.1	1.1
140°	1.6	1.3	0.9	0.9	0.7	0.7	0.7	0.7	0.9	1.1	1.1
142.5°	1.8	1.6	1.1	0.9	0.9	0.7	0.7	0.9	0.9	1.1	1.1
145°	1.8	1.8	1.3	1.1	0.7	0.7	0.7	0.9	1.1	1.1	1.3
147.5°	2.0	1.8	1.3	1.1	0.7	0.4	0.7	0.7	1.1	1.3	1.3
150°	1.8	1.8	1.1	0.9	0.4	0.2	0.4	0.7	1.1	1.3	1.3
152.5°	1.3	1.3	0.9	0.4	0.2	0.2	0.4	0.7	0.9	1.1	1.3
155°	0.9	0.9	0.4	0.2	0.0	0.2	0.2	0.4	0.7	0.9	1.1
157.5°	0.4	0.4	0.2	0.0	0.0	0.2	0.2	0.4	0.7	0.9	0.9
160°	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.7	0.7
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: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.3	1.1	1.1	0.9	0.9	0.7	0.7	0.7	0.7	0.9	1.1
5°	1.3	1.3	1.1	1.1	1.1	0.9	0.9	1.3	1.6	1.8	1.8
7.5°	1.3	1.3	1.3	1.1	1.3	1.8	7.1	20.4	22.4	23.7	24.2
10°	2.4	2.2	2.0	1.8	3.3	22.6	27.9	30.4	31.5	32.6	32.6
12.5°	23.3	23.3	9.5	5.3	22.8	30.4	31.9	33.7	35.2	36.8	37.0
15°	50.5	49.9	48.1	44.1	38.1	34.3	35.9	53.2	62.5	66.7	66.0
17.5°	57.8	57.0	55.8	63.6	66.3	53.0	61.8	68.7	70.7	72.9	72.7
20°	107.3	106.1	82.7	74.0	72.5	88.9	70.7	72.2	75.8	96.6	97.3
22.5°	120.1	118.8	110.6	112.8	84.7	96.4	93.3	97.7	109.0	112.4	112.8
25°	140.7	135.4	125.4	117.9	119.9	100.6	116.1	108.8	113.0	117.0	117.7
27.5°	194.8	191.7	174.0	132.1	122.3	125.9	121.0	118.3	141.4	149.8	150.5
30°	209.9	206.8	184.6	152.9	129.0	129.0	121.9	147.6	148.7	153.1	154.2
32.5°	285.2	279.0	234.7	155.3	133.8	123.2	138.1	145.4	163.1	176.4	178.6
35°	302.7	297.4	242.2	177.5	129.4	128.3	130.3	153.1	166.2	174.2	176.0
37.5°	320.9	314.9	241.3	169.1	137.2	122.3	126.8	143.2	162.0	182.6	185.3
40°	345.7	338.4	242.4	158.2	128.5	115.7	119.0	137.4	150.2	163.1	165.3
42.5°	378.9	364.3	244.4	148.5	118.6	112.8	113.5	124.1	130.1	135.4	135.4
45°	423.7	400.0	245.1	138.3	108.6	106.1	107.0	111.9	114.1	110.8	109.3
47.5°	483.8	444.1	253.3	129.2	100.2	98.8	99.5	101.1	99.9	91.3	89.7
50°	553.8	496.0	257.7	121.2	94.0	93.7	92.6	92.6	88.6	78.9	78.2
52.5°	631.1	557.8	261.5	111.5	89.5	90.6	90.6	86.0	80.0	72.2	71.6
55°	729.3	629.1	267.0	103.0	85.8	85.5	88.0	82.2	76.0	69.4	69.4
57.5°	826.8	704.7	273.7	95.7	81.6	82.0	85.5	80.9	77.6	74.9	74.7
60°	924.3	782.7	263.0	89.1	80.0	79.1	84.9	86.0	82.0	83.5	85.1
62.5°	1015.8	832.6	220.3	83.3	77.1	78.4	90.6	97.5	96.2	94.6	95.1
65°	1059.0	842.8	178.6	78.2	75.1	83.1	99.9	110.4	105.9	100.8	100.4
67.5°	1066.4	816.4	131.4	75.1	74.0	91.3	107.3	113.2	106.6	104.6	102.8
70°	1015.0	749.5	105.0	71.8	74.9	92.6	111.9	112.6	107.7	109.9	107.7
72.5°	863.2	624.3	92.0	68.7	75.1	89.3	111.9	112.8	107.3	113.7	112.6
75°	618.1	437.7	81.8	66.0	72.7	85.5	110.4	112.6	105.9	113.0	111.2
76°	503.5	347.3	78.9	66.7	71.6	84.2	109.9	111.9	106.1	112.6	110.8
77.5°	332.6	226.9	74.0	66.3	69.6	83.5	108.8	111.0	105.9	111.2	109.5
80°	177.9	128.5	66.7	61.8	67.1	84.0	107.9	108.8	101.7	107.7	105.5
82.5°	117.2	95.7	57.6	56.1	64.7	84.7	107.5	106.1	98.2	107.7	101.7
85°	92.0	79.1	43.2	45.0	58.9	81.8	106.1	102.4	95.1	97.7	94.2
87.5°	78.0	65.2	25.9	32.1	51.6	69.6	94.2	84.7	80.4	83.1	81.6
90°	73.4	57.6	14.6	22.6	38.8	46.3	59.4	55.2	53.4	56.5	55.8
92.5°	74.0	56.3	14.4	21.5	41.4	49.9	61.4	56.5	51.2	51.2	50.5
95°	70.7	52.5	14.2	17.1	37.5	48.5	57.6	50.7	41.2	39.2	38.6
97.5°	30.8	25.5	13.3	13.1	21.5	33.5	41.9	36.3	27.3	21.3	21.3
100°	5.1	8.2	11.5	12.6	12.6	17.7	23.7	22.4	13.1	6.9	7.1
102.5°	5.3	4.7	8.0	10.4	8.2	7.3	10.9	13.5	8.6	2.7	2.9
105°	5.5	4.9	4.0	7.3	4.7	2.4	3.3	6.2	4.0	2.7	2.7
107.5°	6.0	5.1	2.4	2.7	2.0	2.0	1.8	1.6	2.0	2.7	2.9



REPORT NUMBER: P414440

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.7	4.2	2.2	2.0	1.8	2.0	1.3	1.3	1.6	2.7	2.9
112.5°	2.7	2.7	2.0	1.6	1.6	1.8	1.1	1.1	1.6	2.9	2.9
115°	2.7	2.7	1.8	1.3	1.1	1.3	1.1	0.9	1.6	2.9	3.1
117.5°	2.7	2.7	1.8	1.3	1.1	0.9	0.9	0.9	1.6	2.9	3.1
120°	2.7	2.4	1.6	1.1	1.1	0.7	0.7	0.7	1.3	2.9	3.1
122.5°	2.4	2.4	1.6	1.1	0.9	0.7	0.7	0.7	1.3	2.7	2.9
125°	2.2	2.2	1.6	1.1	0.9	0.7	0.4	0.7	1.3	2.4	2.7
127.5°	2.0	2.0	1.3	1.1	0.9	0.7	0.4	0.7	1.3	2.4	2.7
130°	1.8	1.8	1.3	0.9	0.9	0.4	0.4	0.4	1.3	2.2	2.4
132.5°	1.6	1.6	1.1	0.9	0.7	0.4	0.2	0.4	1.1	2.0	2.0
135°	1.3	1.3	1.1	0.9	0.7	0.4	0.2	0.4	0.9	1.6	1.8
137.5°	1.1	1.1	0.9	0.9	0.7	0.4	0.2	0.4	0.7	1.3	1.3
140°	1.1	1.1	0.9	0.9	0.7	0.4	0.2	0.4	0.7	1.1	1.3
142.5°	1.1	1.1	0.9	0.9	0.7	0.4	0.2	0.4	0.7	1.1	1.3
145°	1.3	1.1	1.1	0.9	0.7	0.4	0.2	0.4	0.9	1.3	1.3
147.5°	1.3	1.3	1.1	0.9	0.7	0.4	0.2	0.4	0.9	1.3	1.3
150°	1.3	1.3	1.1	0.9	0.7	0.2	0.0	0.2	0.7	1.1	1.3
152.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0	0.0	0.4	0.9	0.9
155°	1.1	0.9	0.9	0.7	0.4	0.2	0.0	0.0	0.2	0.4	0.4
157.5°	0.9	0.9	0.7	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2
160°	0.7	0.7	0.4	0.4	0.2	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)