

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: P414427

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1914 lumens
Efficiency: N/A
Efficacy: 91.1 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 (A_{in}): 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

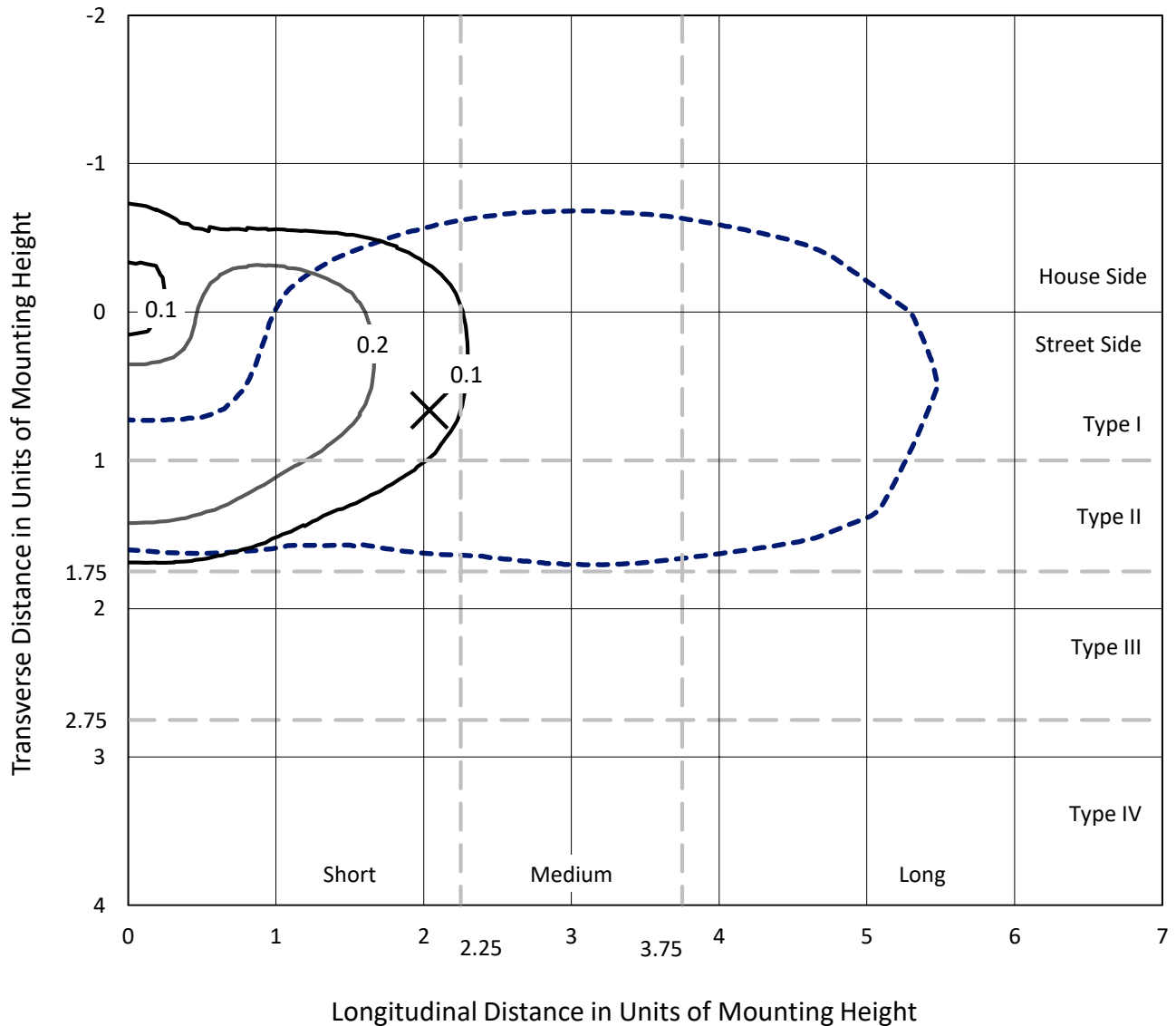


REPORT NUMBER: P414427

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

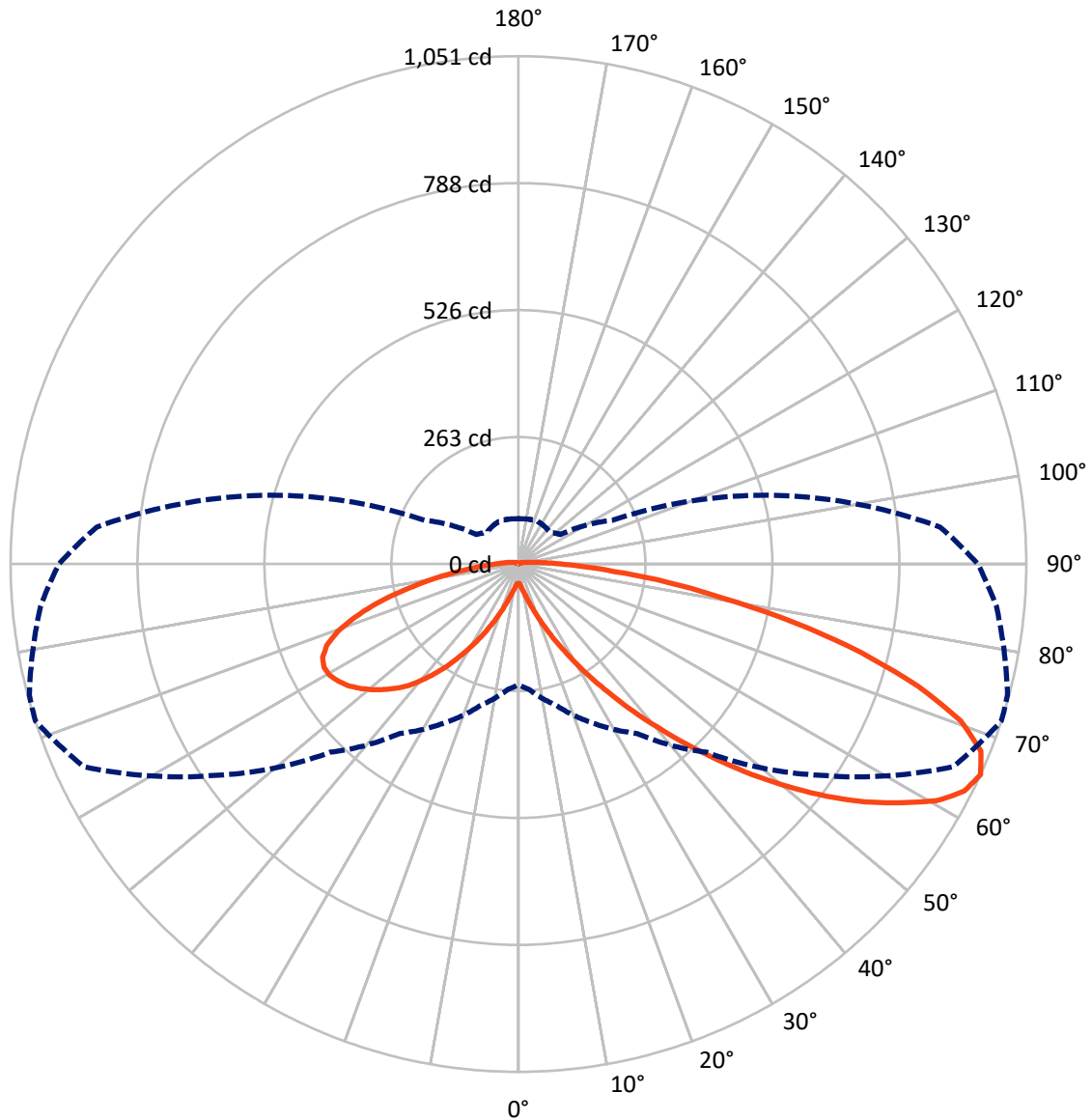


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414427

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P414427

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

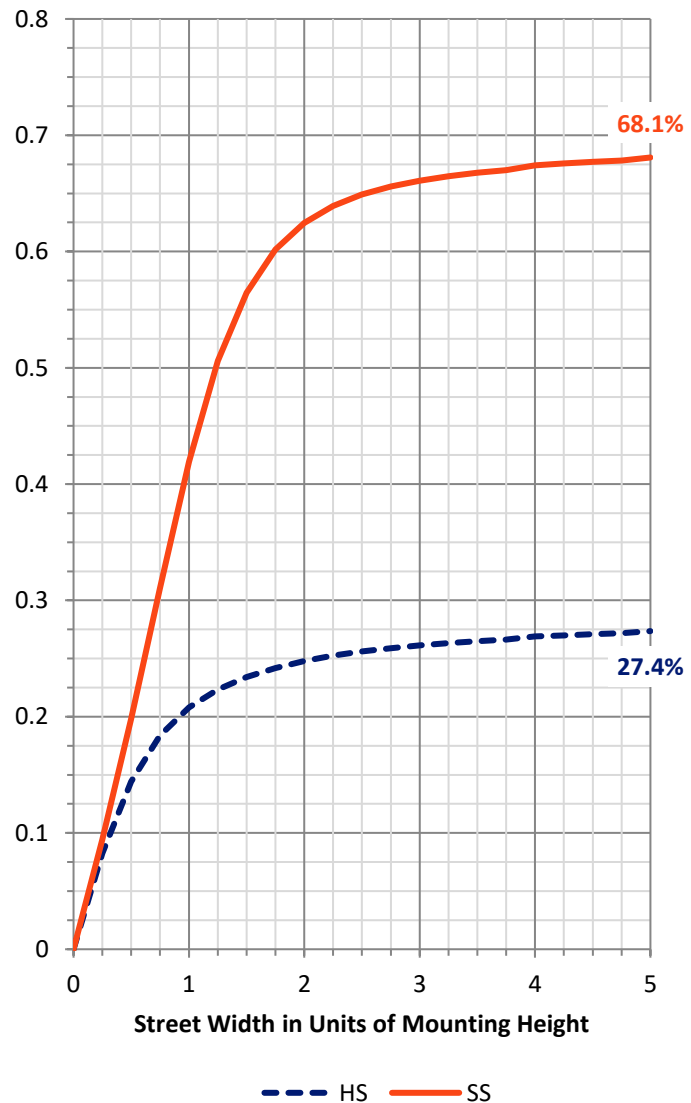
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.6	27.2	566.8
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1320.7	26.5	1347.2
	% Fixture	69.0	1.4	70.4
Total	Lumens	1860.4	53.6	1914.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.2
10°-20°	23.1	1.2
20°-30°	73.3	3.8
30°-40°	175.7	9.2
40°-50°	324.5	17.0
50°-60°	442.2	23.1
60°-70°	431.1	22.5
70°-80°	281.5	14.7
80°-90°	104.3	5.4
90°-100°	29.0	1.5
100°-110°	12.2	0.6
110°-120°	6.1	0.3
120°-130°	3.5	0.2
130°-140°	1.9	0.1
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1860.4	97.2
0°-180°	1914.0	100.0



REPORT NUMBER: P414427

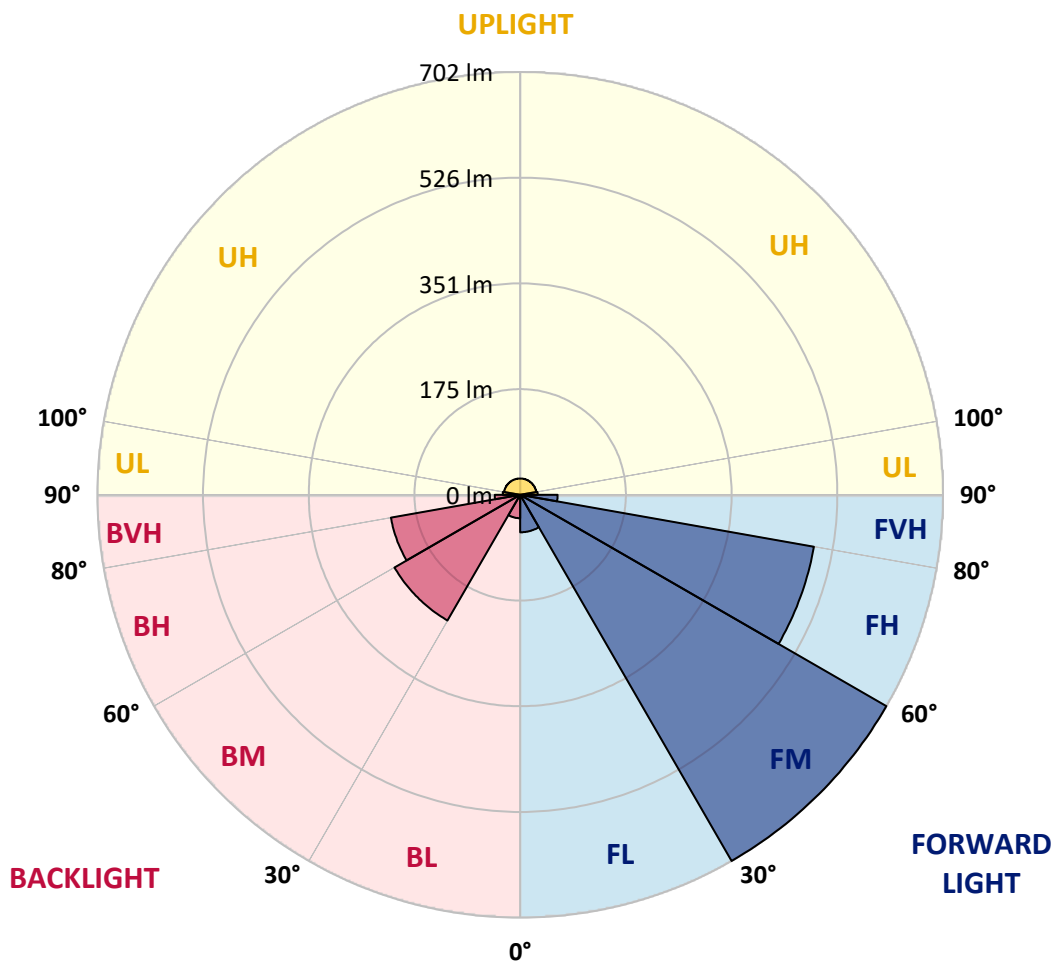
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.2	3.2			
FM (30°-60°)	701.6	36.7			
FH (60°-80°)	494.9	25.9			G0/660
FVH (80°-90°)	62.1	3.2			G1/100
BL (0°-30°)	38.9	2.0	B0/110		
BM (30°-60°)	240.8	12.6	B1/1000		
BH (60°-80°)	217.7	11.4	B1/500		G1/500
BVH (80°-90°)	42.2	2.2			G1/100
UL (90°-100°)	29.0	1.5		U2/50	
UH (100°-180°)	27.2	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P414427

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2.5°	44.1	43.9	43.4	43.2	43.2	42.8	42.3	41.6	41.2	41.0	40.5
5°	49.8	49.4	49.0	48.5	48.1	47.4	46.3	45.6	44.7	44.5	43.6
7.5°	58.0	57.6	56.3	55.8	55.2	54.3	52.9	51.6	50.7	50.1	48.7
10°	68.9	68.5	67.6	66.5	65.1	63.4	61.1	59.8	57.6	58.0	56.0
12.5°	83.7	82.6	81.5	79.7	77.1	75.1	72.0	70.7	68.2	68.2	65.8
15°	101.7	101.5	99.2	95.5	93.0	88.8	86.2	83.3	81.7	81.7	79.7
17.5°	124.9	123.4	121.6	116.5	111.0	105.9	102.3	100.4	98.6	98.1	95.5
20°	153.7	151.5	148.9	139.8	133.1	126.9	121.8	120.3	119.0	118.7	116.5
22.5°	190.3	185.6	180.8	171.9	161.3	150.4	146.9	143.3	143.5	144.0	138.9
25°	230.8	229.5	220.9	208.2	194.3	182.3	172.6	171.2	172.6	171.7	169.7
27.5°	282.9	278.5	267.6	251.4	229.3	215.3	204.9	204.0	204.2	205.4	202.0
30°	343.6	341.4	327.6	300.6	272.0	253.4	242.1	240.6	243.2	243.5	238.4
32.5°	415.1	410.7	389.7	359.5	320.6	296.8	284.0	283.6	286.4	287.1	283.1
35°	487.6	485.4	464.5	421.3	378.6	342.7	329.6	330.5	332.5	336.5	331.8
37.5°	571.1	565.1	538.3	492.7	438.6	395.6	381.7	384.8	387.9	387.9	381.5
40°	650.0	647.7	619.6	562.2	497.6	457.7	442.4	444.2	443.9	444.2	435.7
42.5°	723.1	715.5	690.7	629.8	563.1	522.6	504.2	507.1	509.7	511.7	490.5
45°	772.5	766.0	744.1	684.1	625.2	586.8	574.9	574.9	578.0	577.1	556.0
47.5°	790.0	789.1	772.7	727.1	673.0	643.3	644.0	646.4	651.1	646.9	616.7
50°	781.8	778.2	775.3	749.9	712.7	698.5	711.8	724.2	724.6	717.1	678.8
52.5°	730.4	730.8	745.4	740.8	723.7	738.1	778.7	800.6	798.6	791.3	745.2
55°	652.2	655.7	681.2	700.7	711.1	751.0	828.3	873.7	869.3	859.1	812.3
57.5°	548.1	559.6	593.7	636.2	673.4	739.0	855.3	937.1	932.4	932.4	879.2
60°	437.3	446.6	496.9	548.7	607.4	698.7	858.0	983.6	994.9	987.8	926.7
62.5°	339.2	343.1	395.2	460.6	523.5	630.9	827.4	1005.7	1035.6	1029.7	969.2
65°	249.7	261.0	303.0	362.9	428.0	550.9	762.1	992.7	1051.1	1048.0	992.7
67.5°	185.6	190.7	226.0	281.3	345.8	451.5	666.8	935.5	1032.5	1035.2	989.1
70°	139.1	140.4	167.9	213.6	268.5	356.2	555.8	844.2	970.7	982.7	957.4
72.5°	105.2	107.7	130.5	166.4	207.1	274.3	439.3	720.2	865.3	895.0	885.4
75°	82.4	85.3	101.0	128.7	160.2	207.6	332.5	573.5	733.0	771.4	782.0
77.5°	65.1	68.2	81.5	102.8	124.9	160.2	244.3	429.1	585.5	623.8	654.8
80°	51.2	53.4	65.1	80.9	98.4	118.3	171.2	311.9	430.0	477.8	506.2
82.5°	39.0	41.4	50.5	63.8	77.1	90.4	122.3	212.2	311.9	333.6	381.9
85°	28.4	30.6	38.1	49.0	59.4	70.0	89.5	141.6	198.7	224.6	249.0
87.5°	20.8	21.7	28.4	36.3	45.6	52.9	64.5	90.4	126.3	139.1	159.5
90°	14.6	15.5	20.8	26.8	34.6	41.4	47.4	59.8	78.6	90.2	93.9
92.5°	10.9	11.5	15.5	20.2	26.6	32.1	35.9	42.3	51.2	56.0	59.1
95°	8.2	8.9	12.2	15.9	20.6	25.3	28.1	30.6	35.7	37.0	39.7
97.5°	6.6	7.1	10.0	13.1	16.6	20.8	22.4	23.7	25.5	26.8	27.9
100°	5.8	6.0	8.4	11.1	14.2	16.8	18.2	18.8	19.9	20.4	20.8
102.5°	5.1	5.1	7.3	9.5	12.2	14.2	15.3	15.3	15.5	15.7	15.5
105°	4.4	4.7	6.4	8.4	10.4	12.2	13.1	12.6	12.4	12.2	11.5
107.5°	4.2	4.2	5.8	7.5	9.3	10.6	11.3	10.4	10.0	9.5	8.9
110°	3.8	4.0	5.1	6.6	8.2	9.3	9.7	8.9	8.0	7.5	6.9



REPORT NUMBER: P414427

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	3.5	3.8	4.7	6.0	7.3	8.4	8.4	7.5	6.4	6.0	5.5
115°	3.5	3.5	4.2	5.3	6.6	7.5	7.5	6.4	5.3	4.9	4.7
117.5°	3.5	3.5	4.0	4.9	6.0	6.6	6.6	5.5	4.4	4.0	4.0
120°	3.3	3.3	3.8	4.4	5.5	6.0	5.8	4.9	3.8	3.5	3.5
122.5°	3.3	3.3	3.5	4.2	5.1	5.5	5.3	4.2	3.3	2.9	3.1
125°	3.5	3.3	3.5	4.0	4.7	4.9	4.7	3.5	2.9	2.7	2.9
127.5°	3.5	3.5	3.3	3.8	4.2	4.4	4.2	3.1	2.4	2.4	2.7
130°	3.5	3.5	3.3	3.5	3.8	4.0	3.5	2.7	2.2	2.2	2.4
132.5°	3.5	3.5	3.3	3.3	3.5	3.5	3.1	2.2	2.0	2.0	2.2
135°	3.5	3.5	3.1	3.1	3.1	3.1	2.7	2.0	1.8	1.8	2.0
137.5°	3.3	3.3	3.1	2.9	2.9	2.7	2.2	1.6	1.3	1.6	1.8
140°	3.1	3.1	2.9	2.4	2.4	2.2	1.8	1.3	1.1	1.3	1.3
142.5°	2.9	2.9	2.7	2.2	2.0	1.8	1.6	0.9	0.9	0.9	1.1
145°	2.7	2.7	2.4	1.8	1.6	1.3	1.1	0.7	0.7	0.7	0.9
147.5°	2.2	2.2	2.0	1.6	1.1	1.1	0.7	0.4	0.7	0.7	0.7
150°	1.8	1.8	1.6	1.1	0.9	0.7	0.2	0.4	0.4	0.4	0.7
152.5°	1.6	1.6	1.1	0.9	0.4	0.2	0.2	0.2	0.4	0.4	0.4
155°	1.1	1.1	0.9	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.2
157.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
160°	0.2	0.2	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: P414427

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2.5°	40.1	40.1	39.9	39.7	39.4	39.2	38.8	38.5	38.5	38.3	38.3
5°	43.2	43.0	42.3	41.6	40.8	40.3	39.7	39.2	39.0	38.8	38.8
7.5°	48.1	47.6	46.3	45.2	44.1	43.2	42.1	41.4	41.2	40.5	40.8
10°	54.9	54.3	52.7	50.7	48.7	47.4	45.9	45.0	44.5	44.1	43.6
12.5°	64.9	63.6	60.9	58.3	55.4	52.7	51.2	50.5	51.0	50.7	51.0
15°	78.6	76.2	72.2	68.2	63.1	59.8	59.4	59.1	59.1	59.4	59.8
17.5°	94.1	91.5	86.4	79.1	73.1	69.8	67.8	67.6	68.7	68.9	68.7
20°	114.5	111.9	103.9	93.9	85.3	80.0	77.3	77.3	78.9	79.3	80.2
22.5°	136.5	134.9	124.1	110.3	98.8	90.2	86.4	86.8	89.1	89.7	90.2
25°	167.0	160.8	147.5	128.7	112.1	100.6	95.5	95.7	98.1	99.9	100.6
27.5°	200.7	193.6	174.1	149.5	125.4	109.2	103.5	103.7	106.6	108.8	109.2
30°	236.8	229.7	204.2	170.1	137.8	117.0	109.2	109.4	112.8	115.2	115.6
32.5°	275.4	269.6	233.9	192.3	148.6	122.3	113.0	113.2	116.1	118.3	118.7
35°	324.1	311.0	269.2	212.0	157.7	125.6	114.8	114.5	117.4	119.6	120.1
37.5°	372.2	358.2	302.6	230.4	163.0	126.5	114.3	114.3	116.5	118.3	118.5
40°	424.4	401.2	337.8	244.8	165.0	125.2	113.0	112.8	114.5	115.4	115.6
42.5°	480.7	452.1	372.4	256.3	164.2	122.3	110.5	110.8	111.4	111.4	111.2
45°	531.4	502.4	402.1	263.8	161.1	118.5	107.7	107.9	108.1	106.3	106.3
47.5°	591.0	555.8	430.0	265.6	154.8	114.8	105.4	105.9	104.8	102.3	101.9
50°	647.5	608.3	458.1	264.9	148.4	110.8	103.2	103.7	101.7	98.4	97.7
52.5°	710.4	660.2	484.7	261.6	140.7	107.2	101.7	102.1	99.9	95.9	95.3
55°	772.5	715.1	509.1	255.9	134.0	103.5	100.1	101.2	98.4	94.4	94.1
57.5°	831.6	769.6	529.2	247.4	126.9	100.8	99.0	100.4	97.7	93.7	93.5
60°	884.3	815.9	545.4	239.2	119.2	98.1	97.9	99.7	97.3	93.9	93.7
62.5°	921.3	857.5	552.7	228.2	113.0	95.3	96.6	98.4	96.6	93.9	93.9
65°	950.8	876.1	549.8	213.6	106.3	92.2	94.8	96.6	95.5	93.7	93.9
67.5°	945.3	875.7	531.0	196.1	100.1	88.8	91.7	94.1	93.3	92.6	92.4
70°	911.1	834.3	494.9	177.0	93.7	84.6	87.9	90.4	90.2	89.9	89.9
72.5°	840.9	762.5	440.8	155.1	87.1	80.2	83.1	85.3	85.7	85.5	84.8
75°	749.2	663.7	378.1	134.5	80.2	74.9	78.0	79.3	80.0	79.5	79.5
77.5°	614.7	553.4	300.6	113.6	72.9	68.9	71.1	72.2	73.1	72.0	71.3
80°	488.5	420.9	231.3	92.8	64.9	62.2	63.4	63.8	64.7	63.6	62.2
82.5°	342.9	299.9	167.7	75.8	56.9	54.7	55.4	55.2	55.6	54.1	52.3
85°	229.1	201.6	115.4	60.9	48.7	46.7	46.7	46.1	45.6	44.1	42.8
87.5°	143.8	127.6	79.3	48.1	41.0	39.4	38.5	37.2	36.8	35.7	34.1
90°	88.6	81.5	55.4	38.5	34.1	32.8	31.9	29.9	29.7	27.9	26.8
92.5°	58.0	53.2	41.0	31.2	28.6	27.2	26.1	24.4	24.1	22.8	22.2
95°	38.3	37.2	31.2	26.1	24.1	23.0	21.9	20.4	19.9	18.6	17.7
97.5°	28.1	28.1	25.7	22.2	20.6	19.5	18.8	17.5	16.6	15.3	14.8
100°	21.3	21.5	20.6	19.1	17.7	16.6	15.9	14.8	14.2	12.8	12.6
102.5°	16.4	16.8	17.1	16.2	15.3	14.4	13.7	12.8	12.0	10.6	10.4
105°	12.6	13.1	14.0	13.7	13.3	12.6	12.0	11.1	10.0	8.9	8.9
107.5°	9.7	10.2	11.5	11.7	11.5	10.9	10.4	9.5	8.6	7.5	7.5
110°	7.5	8.2	9.5	10.0	10.0	9.5	9.1	8.2	7.1	6.4	6.4



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	6.9	8.0	8.6	8.6	8.4	7.8	6.9	6.0	5.5	5.5
115°	5.1	5.8	6.9	7.5	7.5	7.3	6.9	6.0	5.1	4.9	4.9
117.5°	4.4	4.9	5.8	6.4	6.6	6.4	6.0	5.1	4.4	4.4	4.4
120°	4.0	4.4	5.1	5.5	5.8	5.5	5.1	4.4	3.8	4.0	4.0
122.5°	3.5	3.8	4.4	5.1	5.1	5.1	4.7	3.8	3.3	3.5	3.5
125°	3.1	3.5	4.0	4.4	4.7	4.4	4.0	3.3	2.9	3.1	3.3
127.5°	2.9	3.1	3.5	4.0	4.0	4.0	3.5	2.9	2.7	2.9	2.9
130°	2.7	2.9	3.1	3.5	3.5	3.5	3.1	2.4	2.4	2.7	2.7
132.5°	2.4	2.7	2.9	3.1	3.1	3.1	2.7	2.2	2.0	2.4	2.4
135°	2.2	2.2	2.4	2.7	2.7	2.7	2.2	1.8	1.8	2.2	2.2
137.5°	1.8	2.0	2.2	2.2	2.2	2.2	1.8	1.6	1.6	1.8	1.8
140°	1.6	1.6	1.8	1.8	1.8	1.8	1.6	1.1	1.3	1.6	1.6
142.5°	1.3	1.3	1.6	1.6	1.6	1.3	1.1	0.9	1.1	1.3	1.3
145°	0.9	1.1	1.1	1.1	1.1	0.9	0.7	0.7	0.9	1.1	1.1
147.5°	0.9	0.9	0.9	0.9	0.9	0.7	0.4	0.4	0.7	0.9	0.9
150°	0.7	0.7	0.9	0.9	0.7	0.4	0.2	0.2	0.4	0.7	0.7
152.5°	0.4	0.4	0.7	0.7	0.4	0.2	0.0	0.0	0.2	0.2	0.2
155°	0.4	0.4	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.2	0.2	0.2	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)