

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: P414185

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2170 lumens
Efficiency: N/A
Efficacy: 103.3 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 - G2

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

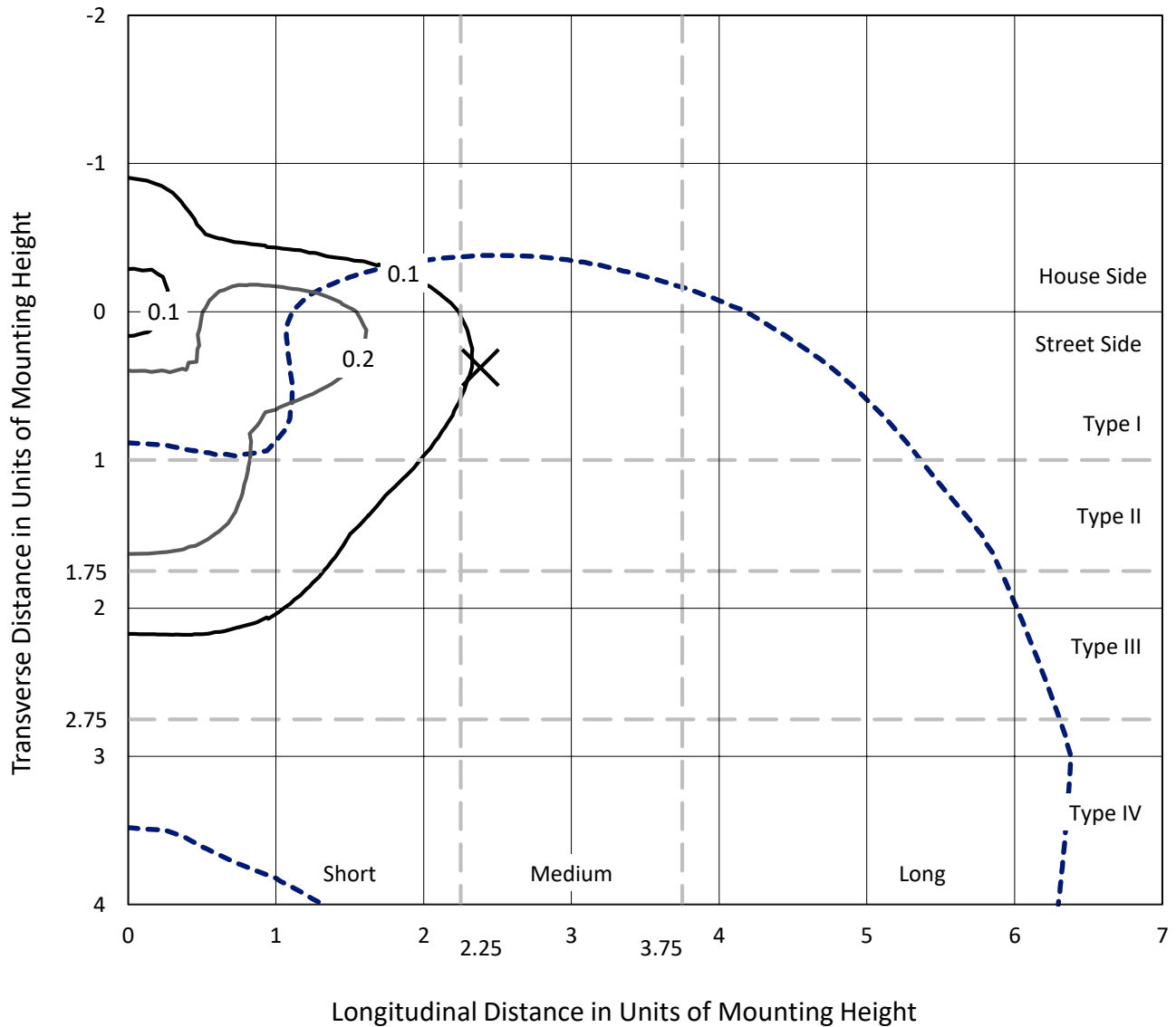


REPORT NUMBER: P414185

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

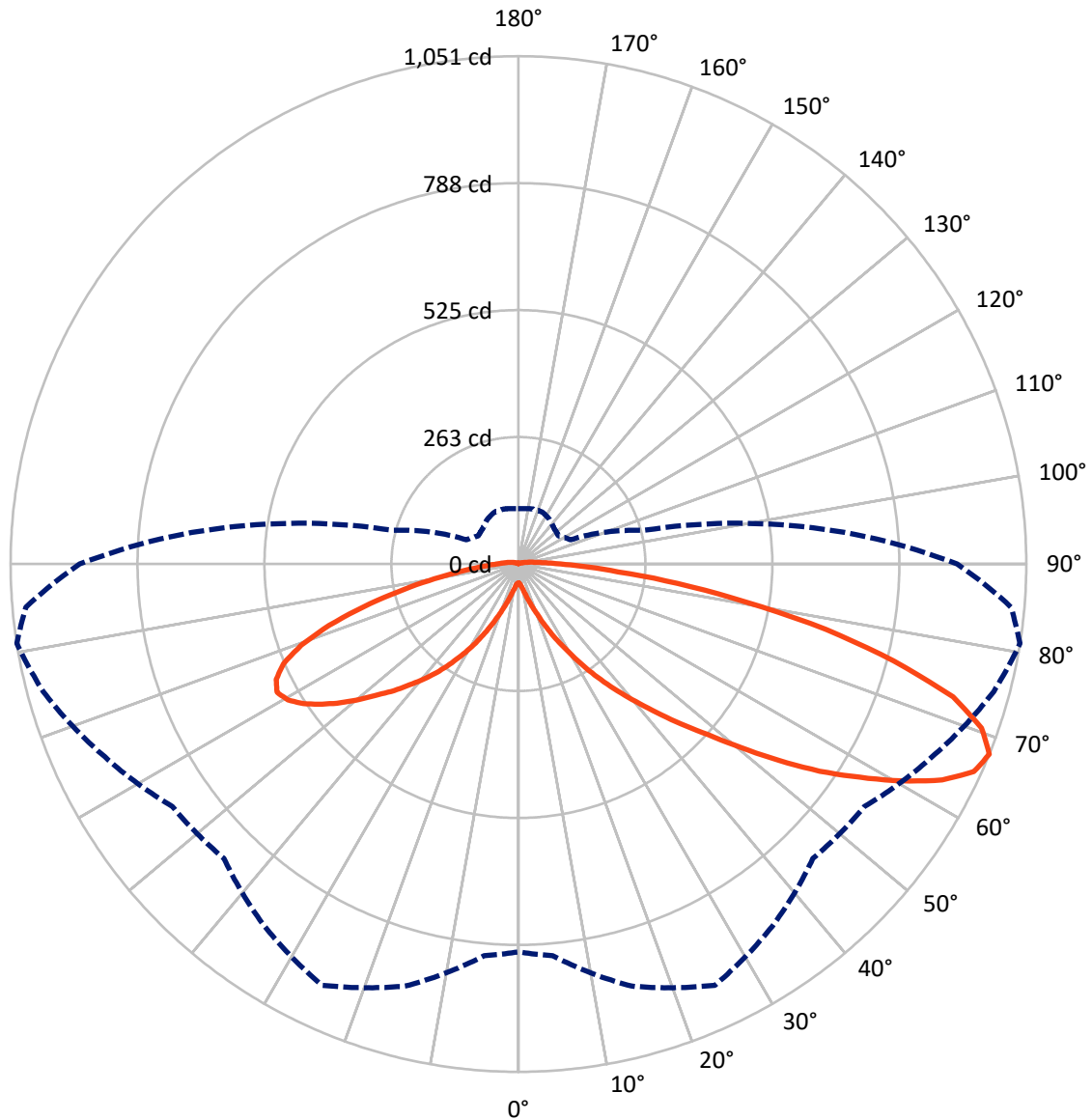


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414185

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P414185

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.0	33.8	508.8
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1618.7	42.5	1661.2
	% Fixture	74.6	2.0	76.6
Total	Lumens	2093.7	76.3	2170.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.2
10°-20°	22.4	1.0
20°-30°	66.8	3.1
30°-40°	145.1	6.7
40°-50°	254.4	11.7
50°-60°	403.1	18.6
60°-70°	544.0	25.1
70°-80°	466.8	21.5
80°-90°	186.7	8.6
90°-100°	45.4	2.1
100°-110°	16.0	0.7
110°-120°	7.3	0.3
120°-130°	3.9	0.2
130°-140°	2.2	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2093.7	96.5
0°-180°	2170.0	100.0



REPORT NUMBER: P414185

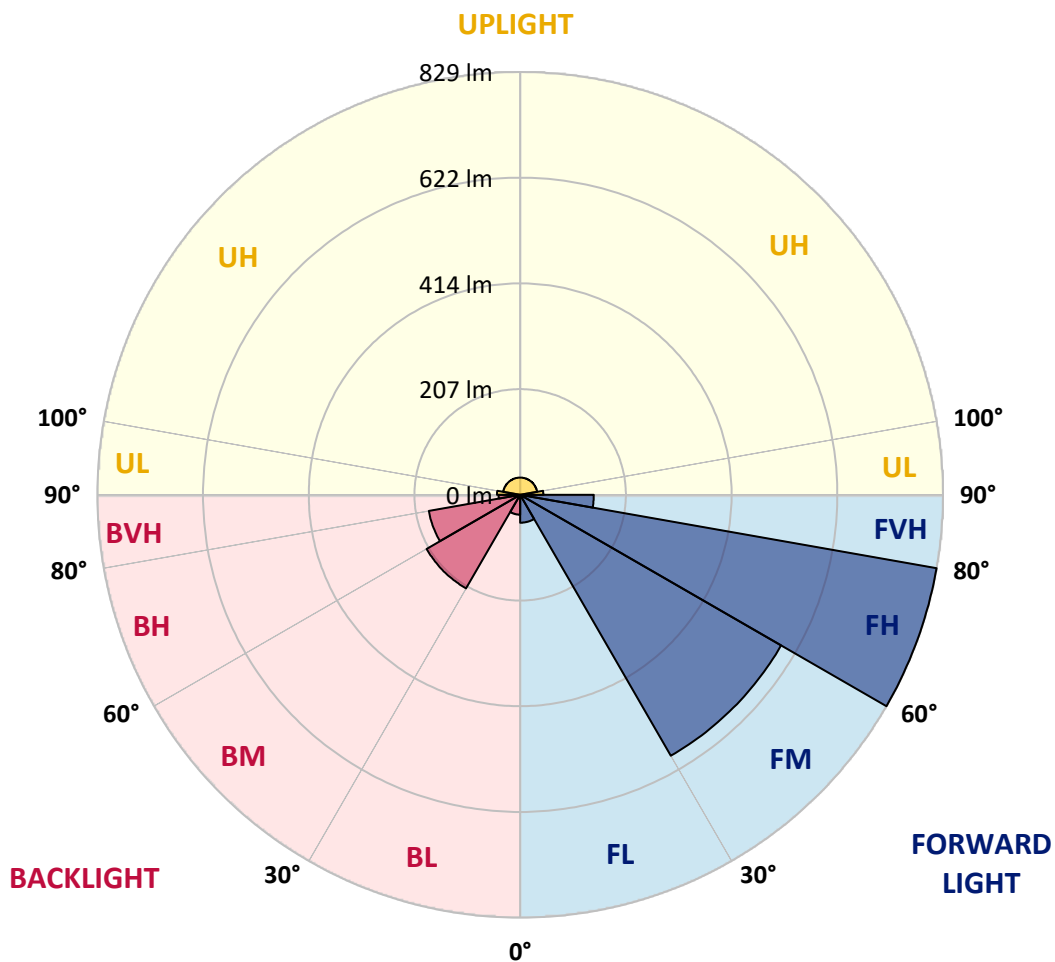
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.7	2.5			
FM	(30°-60°)	590.7	27.2			
FH	(60°-80°)	829.0	38.2			G1/1800
FVH	(80°-90°)	144.3	6.7			G2/225
BL	(0°-30°)	39.0	1.8	B0/110		
BM	(30°-60°)	211.9	9.8	B0/220		
BH	(60°-80°)	181.7	8.4	B1/500		G1/500
BVH	(80°-90°)	42.4	2.0			G1/100
UL	(90°-100°)	45.4	2.1		U2/50	
UH	(100°-180°)	33.8	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





REPORT NUMBER: P414185

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
2.5°	42.6	42.3	42.3	42.6	42.6	42.6	41.8	41.1	40.3	40.1	39.8
5°	48.4	47.9	47.9	47.9	47.6	46.9	45.9	44.9	43.9	43.3	42.8
7.5°	55.9	55.7	55.4	54.7	54.4	53.2	51.7	50.2	48.6	48.1	47.6
10°	66.3	66.0	64.8	64.5	63.3	62.0	59.7	57.5	55.4	54.7	53.9
12.5°	79.4	79.4	77.6	75.6	74.1	71.6	69.6	66.8	65.3	64.3	63.3
15°	96.5	95.5	93.2	91.0	86.9	83.9	80.9	79.4	78.4	77.1	75.6
17.5°	115.4	114.2	112.2	107.6	102.3	98.0	95.3	93.8	93.2	92.5	90.7
20°	138.1	136.6	133.8	126.8	121.0	115.2	111.9	111.1	111.6	110.4	108.6
22.5°	165.1	164.1	158.3	149.5	141.4	133.3	130.3	130.8	131.8	133.6	132.6
25°	195.8	193.3	187.8	175.2	161.8	154.0	151.0	153.2	157.8	160.3	158.3
27.5°	231.6	230.1	219.0	202.6	185.2	174.7	172.4	178.9	186.8	188.8	188.8
30°	269.4	270.4	254.3	234.9	213.0	198.3	195.6	204.9	218.3	219.5	222.8
32.5°	317.3	315.5	298.6	266.9	240.9	222.0	220.3	233.4	250.3	256.8	256.8
35°	367.5	365.7	345.0	307.5	271.4	247.0	248.2	262.1	285.0	293.4	294.6
37.5°	425.2	419.4	396.9	350.3	304.7	276.0	273.7	294.6	321.6	333.4	333.4
40°	488.7	485.4	454.1	399.0	338.7	306.0	304.2	328.4	361.2	374.3	376.8
42.5°	550.4	546.1	517.2	446.1	378.0	337.7	338.0	364.4	402.0	420.1	423.4
45°	615.7	611.7	579.9	504.1	420.6	377.0	374.0	407.0	451.9	472.0	475.8
47.5°	673.7	670.9	643.4	561.8	473.6	419.1	415.1	453.1	505.1	527.5	538.8
50°	736.7	733.1	707.4	623.3	526.2	464.0	463.7	504.6	569.6	596.8	606.1
52.5°	787.8	783.8	765.9	685.0	578.4	516.4	512.1	562.3	636.4	675.4	680.0
55°	835.0	833.4	827.4	751.3	641.9	567.8	570.6	630.1	712.5	756.6	763.4
57.5°	869.0	871.0	873.8	817.8	704.2	625.3	630.3	698.1	791.6	832.7	842.0
60°	892.2	899.2	917.6	875.8	767.7	688.0	696.6	765.4	867.7	911.6	919.1
62.5°	893.9	901.5	944.3	930.0	828.7	752.3	762.1	834.7	935.8	984.4	985.2
65°	860.4	870.7	939.3	959.2	882.3	813.8	822.6	896.5	992.7	1035.8	1020.2
67.5°	802.7	813.5	904.3	961.7	915.6	861.7	874.3	944.3	1018.4	1050.9	1023.2
70°	719.0	729.6	825.1	923.7	921.7	889.9	906.5	964.0	1013.6	1016.9	977.9
72.5°	609.1	608.1	711.2	840.5	888.1	887.6	914.1	949.1	959.0	940.6	882.6
75°	466.5	479.6	573.6	720.3	811.8	847.6	874.3	887.6	859.4	802.4	739.7
77.5°	334.2	345.0	430.5	567.8	698.4	764.4	793.9	787.6	717.5	650.7	578.6
80°	221.3	227.6	298.9	423.9	563.0	639.6	675.2	651.0	562.0	476.6	414.3
82.5°	132.8	143.2	188.0	297.9	417.6	505.6	527.2	486.9	401.2	331.7	286.0
85°	80.4	82.7	116.9	190.5	291.6	363.7	384.3	341.0	263.9	207.2	171.9
87.5°	45.1	49.1	72.3	124.0	196.1	252.5	259.8	224.6	165.6	128.5	107.6
90°	26.5	29.2	44.4	76.9	125.0	163.3	165.3	135.8	98.0	77.4	68.8
92.5°	16.9	18.9	29.5	49.4	80.4	106.1	103.3	83.9	62.8	51.7	44.6
95°	12.1	13.1	20.7	34.0	53.9	66.8	65.8	52.7	42.1	36.0	32.8
97.5°	9.1	10.1	16.1	25.0	36.3	44.9	43.9	35.0	29.2	26.5	25.2
100°	7.6	8.1	13.1	19.7	27.0	32.3	31.8	26.0	21.9	19.9	19.4
102.5°	6.6	7.1	10.8	15.9	21.4	25.0	23.9	20.2	16.6	14.9	14.4
105°	5.8	6.0	9.3	13.6	17.6	19.7	19.4	16.1	12.9	11.1	10.8
107.5°	5.3	5.5	8.1	11.6	14.9	16.6	16.1	13.1	9.8	8.6	8.3
110°	4.8	5.0	7.1	10.1	12.6	14.1	13.4	10.8	7.8	6.6	6.6



REPORT NUMBER: P414185

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	4.5	4.5	6.3	8.6	10.8	12.1	11.3	8.8	6.0	5.3	5.5
115°	4.3	4.3	5.5	7.6	9.6	10.6	9.6	7.3	5.0	4.5	4.5
117.5°	4.0	4.0	5.0	6.8	8.6	9.3	8.3	6.3	4.3	3.8	4.0
120°	3.8	4.0	4.8	6.0	7.6	8.1	7.3	5.3	3.5	3.5	3.8
122.5°	3.8	3.8	4.5	5.5	6.8	7.1	6.3	4.5	3.3	3.3	3.3
125°	3.8	3.8	4.3	5.0	6.0	6.3	5.3	3.8	3.0	3.0	3.0
127.5°	3.8	3.8	4.0	4.8	5.3	5.5	4.8	3.5	2.8	2.8	3.0
130°	3.5	3.8	3.8	4.3	4.8	4.8	4.0	3.0	2.5	2.5	2.8
132.5°	3.5	3.5	3.8	4.0	4.3	4.3	3.5	2.8	2.3	2.5	2.5
135°	3.5	3.5	3.5	3.8	4.0	3.8	3.0	2.3	2.0	2.3	2.3
137.5°	3.3	3.3	3.3	3.5	3.5	3.3	2.8	2.0	2.0	2.0	2.0
140°	3.0	3.0	3.0	3.0	3.3	3.0	2.3	1.8	1.8	1.8	1.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.5	2.0	1.5	1.5	1.5	1.5
145°	2.5	2.5	2.5	2.5	2.3	2.0	1.5	1.3	1.3	1.5	1.5
147.5°	2.0	2.0	2.0	2.0	2.0	1.8	1.3	1.0	1.3	1.3	1.3
150°	1.8	1.8	1.8	1.8	1.5	1.5	1.0	1.0	1.0	1.3	1.3
152.5°	1.3	1.3	1.3	1.5	1.3	1.0	0.8	0.8	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.8	1.0	1.0	1.0
157.5°	0.5	0.8	0.8	0.8	0.8	0.8	0.5	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.5	0.8	0.8	0.5	0.5	0.8	0.8	0.8
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: P414185

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
2.5°	39.8	39.6	39.3	39.1	38.8	38.8	38.6	38.3	38.1	37.8	37.8
5°	42.6	42.1	41.3	40.8	40.3	40.3	39.8	39.6	39.1	38.8	38.8
7.5°	46.9	46.6	45.1	44.4	43.6	43.3	42.8	42.3	41.8	41.8	41.8
10°	53.2	52.4	51.2	49.1	48.4	47.9	47.1	46.6	46.6	46.9	46.9
12.5°	62.8	60.7	59.0	56.2	54.7	53.7	53.2	53.4	54.7	55.2	54.7
15°	73.8	73.3	69.1	65.0	62.0	60.0	61.2	62.8	64.5	65.0	65.8
17.5°	89.2	87.5	81.7	75.9	70.3	69.3	70.8	73.3	75.4	76.9	78.1
20°	107.6	104.6	97.5	87.5	81.2	79.6	80.6	84.2	88.0	91.0	91.2
22.5°	130.8	126.3	113.7	101.1	91.7	89.2	90.5	96.0	101.6	105.3	105.1
25°	156.0	150.5	133.6	115.4	102.6	98.0	100.3	107.6	115.4	120.0	120.5
27.5°	184.2	178.7	155.2	129.3	112.4	105.6	109.4	117.7	128.3	133.8	134.8
30°	217.5	209.9	176.9	144.2	121.5	112.7	116.2	127.0	138.6	146.4	147.4
32.5°	252.0	240.2	198.6	156.3	127.8	117.2	121.2	133.8	147.2	155.8	157.3
35°	287.8	273.2	220.5	166.6	132.3	120.0	124.0	138.1	152.2	161.5	162.8
37.5°	328.1	308.7	240.4	174.4	134.8	120.7	124.8	138.9	153.2	162.3	163.6
40°	368.7	342.8	257.1	179.2	135.1	120.0	123.2	136.8	150.5	158.3	159.5
42.5°	412.3	378.5	273.7	180.4	133.8	117.9	120.7	132.8	144.4	150.5	151.2
45°	461.2	419.9	287.8	179.4	130.3	114.9	116.9	127.3	136.3	139.1	140.4
47.5°	512.9	460.7	298.6	176.4	126.8	111.6	112.9	121.5	127.3	127.5	127.8
50°	575.9	510.4	312.0	172.1	122.0	108.6	109.4	116.2	119.0	117.7	117.2
52.5°	644.9	563.5	320.6	165.3	117.7	105.9	106.6	111.9	112.9	110.1	110.4
55°	720.0	613.2	327.9	158.8	113.2	104.1	105.6	109.9	109.9	106.4	106.1
57.5°	790.1	663.8	331.2	150.5	109.4	102.8	105.3	109.6	109.1	105.9	105.6
60°	857.9	705.2	327.1	142.4	106.9	102.3	106.9	111.4	110.9	108.1	107.9
62.5°	904.8	731.1	317.0	134.3	104.6	103.1	108.6	113.9	113.9	110.9	110.9
65°	924.9	728.1	296.4	126.3	102.8	103.6	111.1	116.7	116.2	113.7	113.2
67.5°	908.0	700.6	268.7	118.5	101.3	104.1	112.4	118.2	117.7	114.9	114.4
70°	853.9	642.9	235.1	111.4	99.3	103.3	112.9	117.9	117.2	114.7	113.7
72.5°	746.0	553.2	200.1	104.6	96.3	101.6	111.4	115.9	115.2	113.2	111.9
75°	614.4	446.1	165.3	97.0	92.5	98.3	108.1	112.2	111.1	109.4	108.1
77.5°	469.8	337.0	136.6	90.0	88.0	94.0	103.6	106.6	105.6	104.1	103.3
80°	332.4	239.9	109.9	82.2	81.4	87.5	95.5	98.8	98.3	96.8	95.5
82.5°	218.8	159.5	87.7	73.3	73.8	80.1	86.2	88.0	87.7	86.4	84.9
85°	134.8	105.1	69.1	63.3	65.5	70.6	75.6	75.9	75.1	74.9	72.6
87.5°	85.9	71.8	54.2	53.7	57.0	61.2	63.5	62.5	63.0	63.0	61.2
90°	55.9	50.4	43.3	44.9	48.4	51.7	52.7	49.9	51.4	50.7	49.9
92.5°	40.6	37.6	35.3	37.3	40.8	43.9	43.3	40.3	41.1	41.1	40.8
95°	30.7	29.2	29.5	31.5	34.3	36.3	35.3	32.8	33.0	32.5	31.8
97.5°	24.2	23.9	25.0	26.5	29.0	30.2	29.2	27.0	26.7	26.0	25.7
100°	19.2	19.4	20.9	22.7	24.2	25.2	24.4	22.2	21.2	19.9	19.7
102.5°	14.9	15.4	17.4	18.9	20.4	21.2	20.4	18.6	16.9	15.6	15.4
105°	11.6	12.1	14.4	15.9	17.1	17.6	17.1	15.1	13.4	11.8	11.8
107.5°	9.1	9.6	11.8	13.6	14.4	14.9	14.1	12.6	10.6	9.3	9.3
110°	7.3	7.8	9.8	11.3	12.1	12.6	11.8	10.1	8.6	7.6	7.6



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	6.6	8.1	9.6	10.3	10.6	9.8	8.6	6.8	6.3	6.3
115°	5.0	5.5	6.8	8.1	8.8	8.8	8.3	7.1	5.5	5.3	5.3
117.5°	4.3	4.8	5.8	7.1	7.6	7.6	7.1	5.8	4.8	4.5	4.5
120°	4.0	4.3	5.0	6.0	6.6	6.6	6.0	5.0	4.0	4.0	4.0
122.5°	3.5	3.8	4.5	5.3	5.8	5.8	5.3	4.3	3.5	3.8	3.8
125°	3.3	3.5	4.0	4.5	5.0	5.0	4.5	3.8	3.3	3.3	3.3
127.5°	3.0	3.3	3.5	4.0	4.3	4.3	4.0	3.3	3.0	3.0	3.0
130°	2.8	3.0	3.3	3.5	3.8	3.8	3.3	2.8	2.8	2.8	2.8
132.5°	2.8	2.8	2.8	3.0	3.3	3.3	3.0	2.5	2.5	2.5	2.5
135°	2.5	2.5	2.5	2.5	2.8	2.8	2.5	2.3	2.3	2.3	2.3
137.5°	2.3	2.3	2.3	2.3	2.5	2.5	2.3	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	1.8	2.0	2.0	1.8	1.8	1.8	1.8	1.8
142.5°	1.5	1.8	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.0	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.0	0.8	1.0	0.8	1.0	1.0	1.0	1.0
150°	1.3	1.3	1.0	1.0	0.8	0.5	0.5	0.8	0.8	0.8	0.8
152.5°	1.0	1.0	1.0	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
155°	1.0	1.0	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.8	0.8	0.8	0.5	0.5	0.3	0.0	0.3	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.5	0.3	0.3	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)