

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: P414497

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414497
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-PA1-20-830-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2062 lumens
Efficiency: N/A
Efficacy: 98.2 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

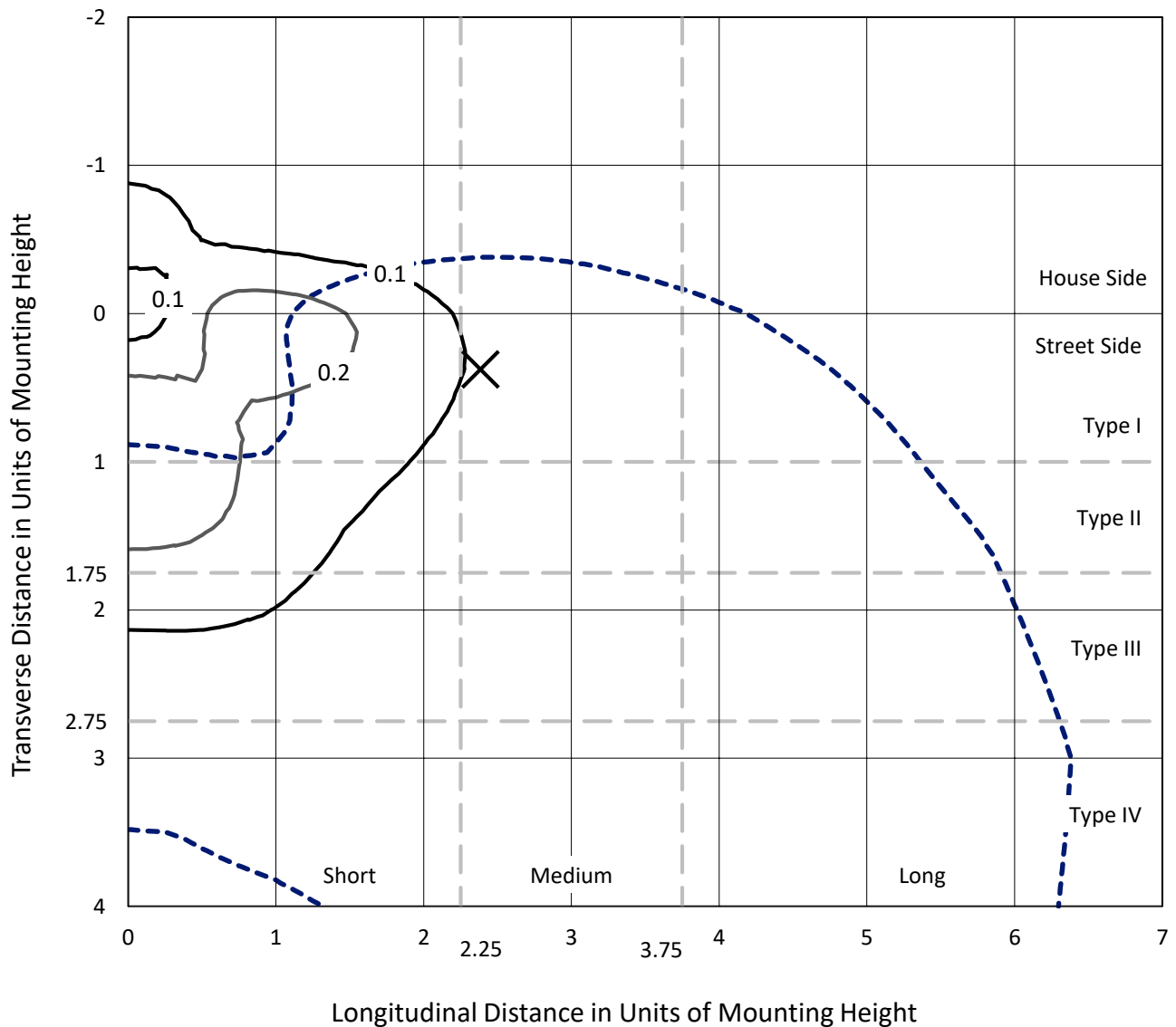
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

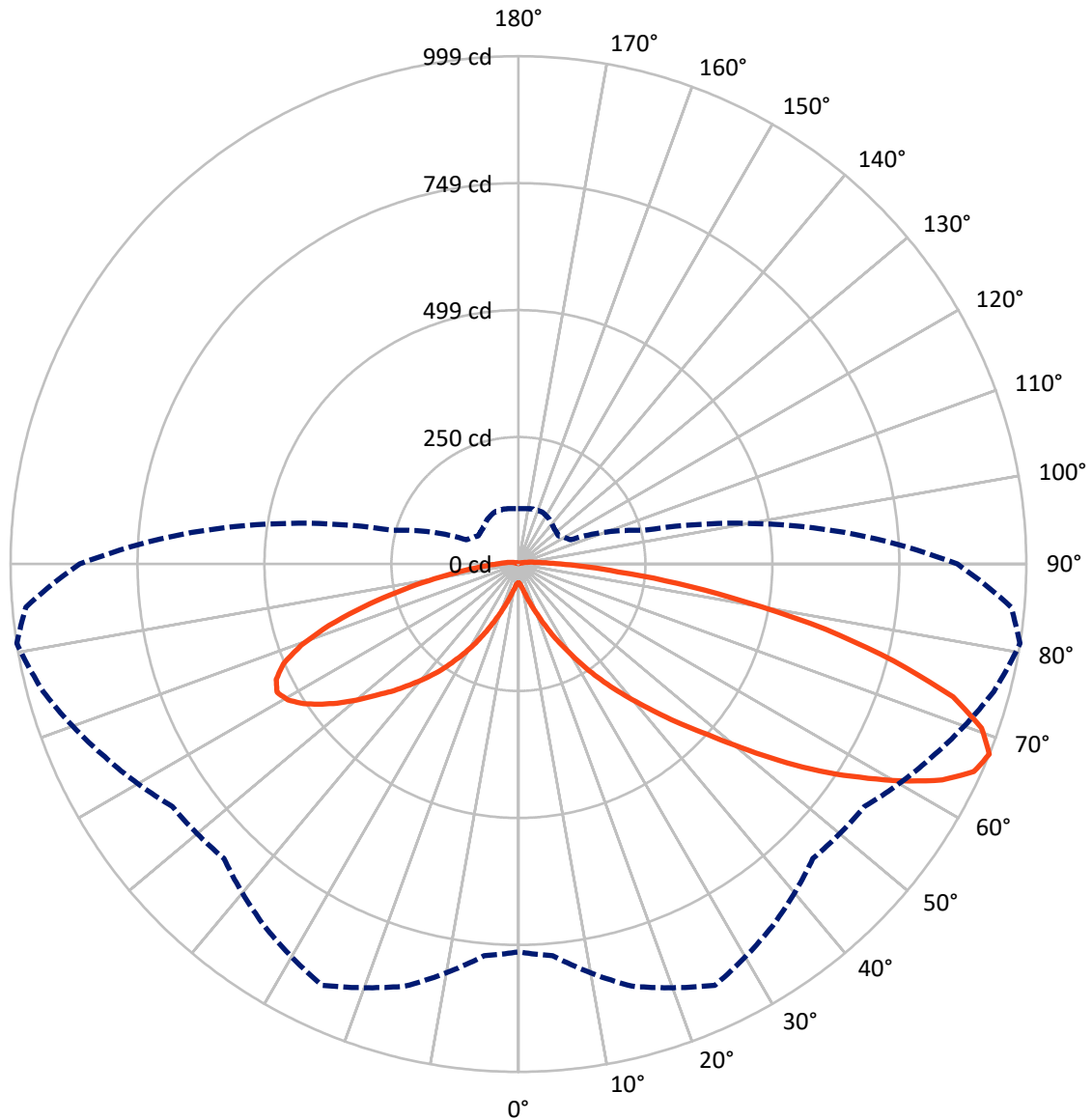


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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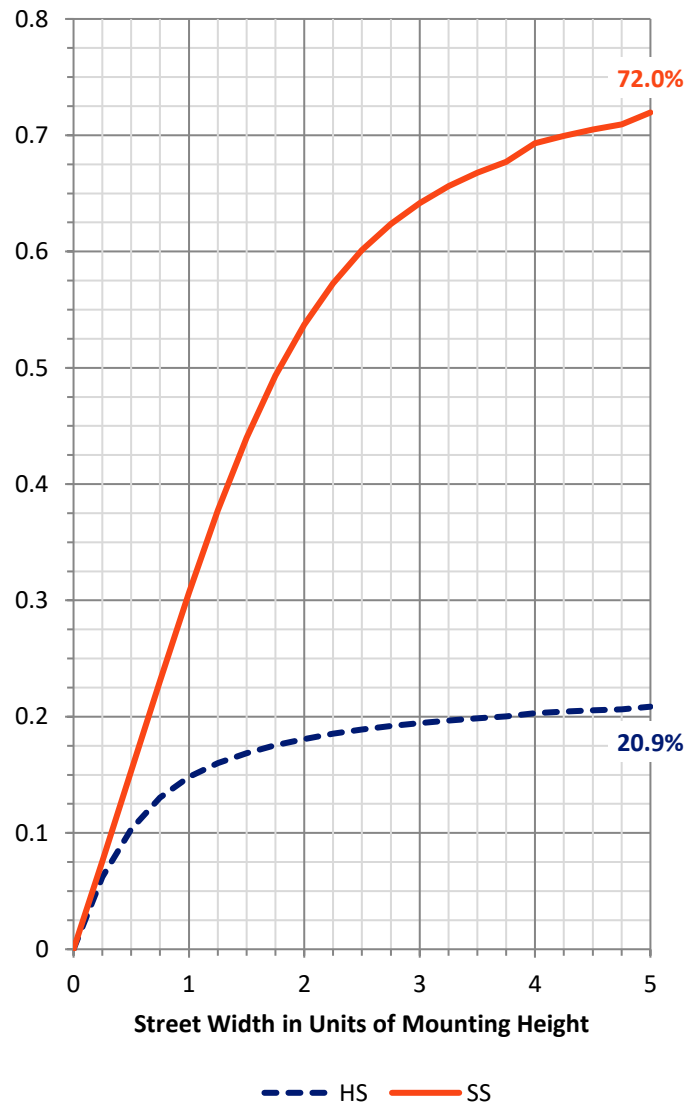
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.4	32.1	483.5
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1538.2	40.4	1578.5
	% Fixture	74.6	2.0	76.6
Total	Lumens	1989.5	72.5	2062.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.2
10°-20°	21.3	1.0
20°-30°	63.5	3.1
30°-40°	137.8	6.7
40°-50°	241.7	11.7
50°-60°	383.1	18.6
60°-70°	516.9	25.1
70°-80°	443.5	21.5
80°-90°	177.4	8.6
90°-100°	43.2	2.1
100°-110°	15.2	0.7
110°-120°	7.0	0.3
120°-130°	3.8	0.2
130°-140°	2.1	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°	1989.5	96.5
0°-180°	2062.0	100.0



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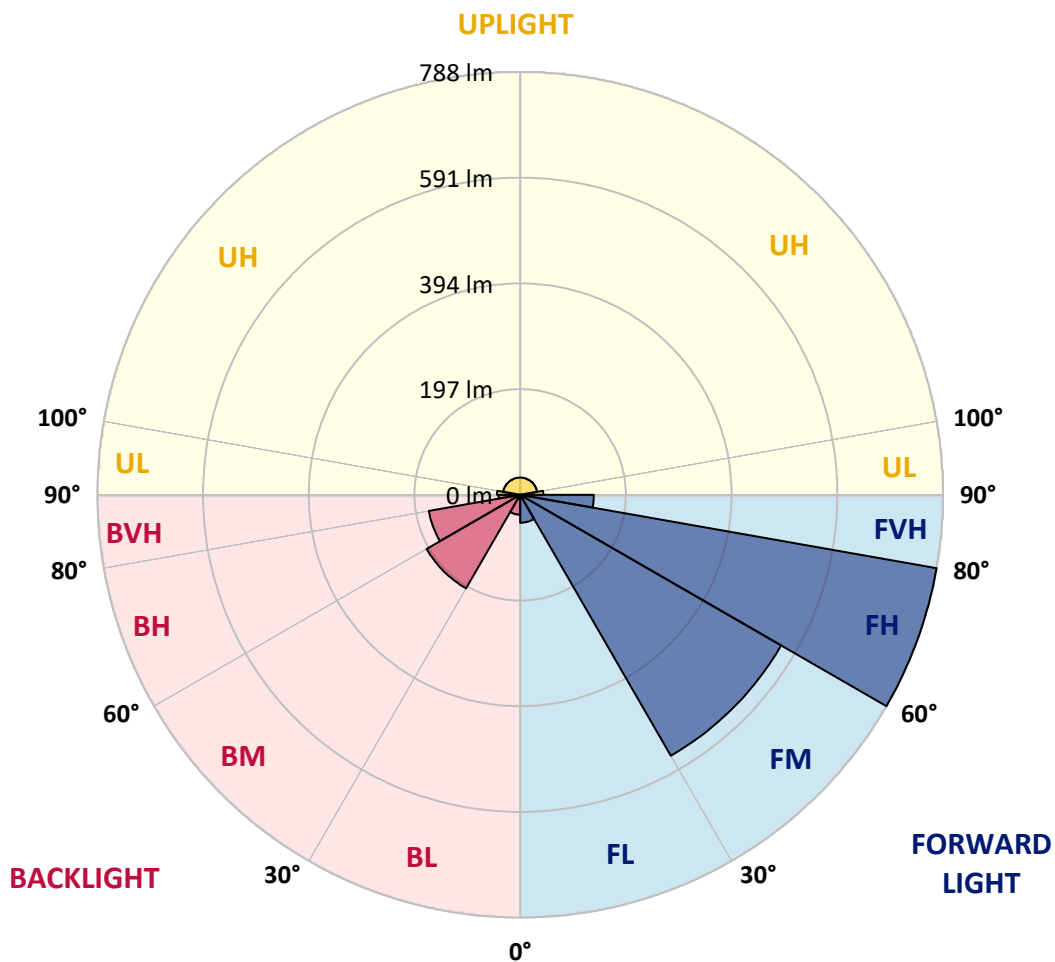
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.0	2.5			
FM	(30°-60°)	561.3	27.2			
FH	(60°-80°)	787.7	38.2			G1/1800
FVH	(80°-90°)	137.2	6.7			G2/225
BL	(0°-30°)	37.0	1.8	B0/110		
BM	(30°-60°)	201.4	9.8	B0/220		
BH	(60°-80°)	172.7	8.4	B1/500		G1/500
BVH	(80°-90°)	40.3	2.0			G1/100
UL	(90°-100°)	43.2	2.1		U2/50	
UH	(100°-180°)	32.1	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	40.5	40.2	40.2	40.5	40.5	40.5	39.8	39.0	38.3	38.1	37.8
5°	46.0	45.5	45.5	45.5	45.3	44.5	43.6	42.6	41.7	41.2	40.7
7.5°	53.2	52.9	52.7	52.0	51.7	50.5	49.1	47.7	46.2	45.7	45.3
10°	63.0	62.7	61.5	61.3	60.1	58.9	56.8	54.6	52.7	52.0	51.2
12.5°	75.4	75.4	73.8	71.8	70.4	68.0	66.1	63.5	62.0	61.1	60.1
15°	91.7	90.8	88.6	86.5	82.6	79.7	76.9	75.4	74.5	73.3	71.8
17.5°	109.7	108.5	106.6	102.3	97.2	93.2	90.5	89.1	88.6	87.9	86.2
20°	131.2	129.8	127.2	120.5	115.0	109.4	106.3	105.6	106.1	104.9	103.2
22.5°	156.9	155.9	150.4	142.0	134.3	126.7	123.8	124.3	125.2	126.9	126.0
25°	186.1	183.7	178.4	166.4	153.7	146.3	143.4	145.6	149.9	152.3	150.4
27.5°	220.1	218.6	208.1	192.5	176.0	166.0	163.8	170.0	177.5	179.4	179.4
30°	256.0	257.0	241.6	223.2	202.4	188.5	185.8	194.7	207.4	208.6	211.7
32.5°	301.5	299.8	283.8	253.6	228.9	211.0	209.3	221.8	237.8	244.0	244.0
35°	349.2	347.5	327.9	292.2	257.9	234.7	235.9	249.1	270.9	278.8	280.0
37.5°	404.0	398.5	377.2	332.9	289.5	262.2	260.1	280.0	305.6	316.8	316.8
40°	464.4	461.2	431.5	379.1	321.9	290.7	289.1	312.0	343.2	355.6	358.0
42.5°	523.0	519.0	491.4	423.9	359.2	320.9	321.1	346.3	382.0	399.2	402.3
45°	585.1	581.2	551.0	479.0	399.7	358.3	355.4	386.8	429.4	448.5	452.1
47.5°	640.1	637.5	611.4	533.8	450.0	398.3	394.4	430.6	479.9	501.2	512.0
50°	700.0	696.7	672.2	592.2	500.0	440.9	440.6	479.4	541.2	567.1	576.0
52.5°	748.6	744.8	727.8	650.9	549.6	490.7	486.6	534.3	604.7	641.8	646.1
55°	793.4	792.0	786.2	713.9	610.0	539.6	542.2	598.7	677.0	718.9	725.4
57.5°	825.7	827.6	830.3	777.1	669.1	594.2	598.9	663.4	752.2	791.2	800.1
60°	847.8	854.5	872.0	832.2	729.5	653.8	661.9	727.3	824.5	866.2	873.4
62.5°	849.4	856.6	897.3	883.7	787.4	714.9	724.2	793.2	889.2	935.4	936.1
65°	817.6	827.4	892.5	911.5	838.4	773.3	781.7	851.8	943.3	984.3	969.4
67.5°	762.7	773.0	859.3	913.9	870.0	818.8	830.8	897.3	967.7	998.6	972.3
70°	683.2	693.3	784.1	877.7	875.8	845.6	861.4	916.0	963.2	966.3	929.2
72.5°	578.8	577.9	675.8	798.7	843.9	843.5	868.6	901.9	911.2	893.7	838.7
75°	443.3	455.7	545.1	684.4	771.4	805.4	830.8	843.5	816.6	762.5	702.9
77.5°	317.6	327.9	409.0	539.6	663.6	726.3	754.4	748.4	681.8	618.3	549.9
80°	210.3	216.3	284.0	402.8	535.0	607.8	641.6	618.6	534.0	452.9	393.7
82.5°	126.2	136.0	178.7	283.1	396.8	480.4	501.0	462.7	381.3	315.2	271.8
85°	76.4	78.6	111.1	181.0	277.1	345.6	365.2	324.0	250.7	196.9	163.3
87.5°	42.9	46.7	68.7	117.8	186.3	240.0	246.9	213.4	157.3	122.1	102.3
90°	25.1	27.8	42.1	73.0	118.8	155.2	157.1	129.1	93.2	73.5	65.4
92.5°	16.0	18.0	28.0	46.9	76.4	100.8	98.2	79.7	59.6	49.1	42.4
95°	11.5	12.5	19.6	32.3	51.2	63.5	62.5	50.1	40.0	34.2	31.1
97.5°	8.6	9.6	15.3	23.7	34.5	42.6	41.7	33.3	27.8	25.1	23.9
100°	7.2	7.7	12.5	18.7	25.6	30.7	30.2	24.7	20.8	18.9	18.4
102.5°	6.2	6.7	10.3	15.1	20.4	23.7	22.8	19.2	15.8	14.1	13.7
105°	5.5	5.7	8.9	12.9	16.8	18.7	18.4	15.3	12.2	10.5	10.3
107.5°	5.0	5.3	7.7	11.0	14.1	15.8	15.3	12.5	9.3	8.1	7.9
110°	4.6	4.8	6.7	9.6	12.0	13.4	12.7	10.3	7.4	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	4.3	4.3	6.0	8.1	10.3	11.5	10.8	8.4	5.7	5.0	5.3
115°	4.1	4.1	5.3	7.2	9.1	10.1	9.1	6.9	4.8	4.3	4.3
117.5°	3.8	3.8	4.8	6.5	8.1	8.9	7.9	6.0	4.1	3.6	3.8
120°	3.6	3.8	4.6	5.7	7.2	7.7	6.9	5.0	3.4	3.4	3.6
122.5°	3.6	3.6	4.3	5.3	6.5	6.7	6.0	4.3	3.1	3.1	3.1
125°	3.6	3.6	4.1	4.8	5.7	6.0	5.0	3.6	2.9	2.9	2.9
127.5°	3.6	3.6	3.8	4.6	5.0	5.3	4.6	3.4	2.6	2.6	2.9
130°	3.4	3.6	3.6	4.1	4.6	4.6	3.8	2.9	2.4	2.4	2.6
132.5°	3.4	3.4	3.6	3.8	4.1	4.1	3.4	2.6	2.2	2.4	2.4
135°	3.4	3.4	3.4	3.6	3.8	3.6	2.9	2.2	1.9	2.2	2.2
137.5°	3.1	3.1	3.1	3.4	3.4	3.1	2.6	1.9	1.9	1.9	1.9
140°	2.9	2.9	2.9	2.9	3.1	2.9	2.2	1.7	1.7	1.7	1.7
142.5°	2.6	2.6	2.6	2.6	2.6	2.4	1.9	1.4	1.4	1.4	1.4
145°	2.4	2.4	2.4	2.4	2.2	1.9	1.4	1.2	1.2	1.4	1.4
147.5°	1.9	1.9	1.9	1.9	1.9	1.7	1.2	1.0	1.2	1.2	1.2
150°	1.7	1.7	1.7	1.7	1.4	1.4	1.0	1.0	1.0	1.2	1.2
152.5°	1.2	1.2	1.2	1.4	1.2	1.0	0.7	0.7	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	0.7	0.5	0.7	1.0	1.0	1.0
157.5°	0.5	0.7	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.7	0.7
160°	0.2	0.2	0.5	0.5	0.7	0.7	0.5	0.5	0.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	37.8	37.6	37.4	37.1	36.9	36.9	36.6	36.4	36.2	35.9	35.9
5°	40.5	40.0	39.3	38.8	38.3	38.3	37.8	37.6	37.1	36.9	36.9
7.5°	44.5	44.3	42.9	42.1	41.4	41.2	40.7	40.2	39.8	39.8	39.8
10°	50.5	49.8	48.6	46.7	46.0	45.5	44.8	44.3	44.3	44.5	44.5
12.5°	59.6	57.7	56.0	53.4	52.0	51.0	50.5	50.8	52.0	52.4	52.0
15°	70.2	69.7	65.6	61.8	58.9	57.0	58.2	59.6	61.3	61.8	62.5
17.5°	84.8	83.1	77.6	72.1	66.8	65.9	67.3	69.7	71.6	73.0	74.2
20°	102.3	99.4	92.7	83.1	77.1	75.7	76.6	80.0	83.6	86.5	86.7
22.5°	124.3	120.0	108.0	96.0	87.2	84.8	86.0	91.2	96.5	100.1	99.9
25°	148.2	143.0	126.9	109.7	97.5	93.2	95.3	102.3	109.7	114.0	114.5
27.5°	175.1	169.8	147.5	122.9	106.8	100.3	103.9	111.8	121.9	127.2	128.1
30°	206.7	199.5	168.1	137.0	115.4	107.0	110.4	120.7	131.7	139.1	140.1
32.5°	239.5	228.2	188.7	148.5	121.4	111.4	115.2	127.2	139.9	148.0	149.4
35°	273.5	259.6	209.5	158.3	125.7	114.0	117.8	131.2	144.6	153.5	154.7
37.5°	311.8	293.4	228.5	165.7	128.1	114.7	118.5	132.0	145.6	154.2	155.4
40°	350.4	325.7	244.3	170.3	128.4	114.0	117.1	130.0	143.0	150.4	151.6
42.5°	391.8	359.7	260.1	171.5	127.2	112.1	114.7	126.2	137.2	143.0	143.7
45°	438.3	399.0	273.5	170.5	123.8	109.2	111.1	120.9	129.6	132.2	133.4
47.5°	487.3	437.8	283.8	167.6	120.5	106.1	107.3	115.4	120.9	121.2	121.4
50°	547.2	485.0	296.5	163.6	115.9	103.2	103.9	110.4	113.0	111.8	111.4
52.5°	612.8	535.5	304.6	157.1	111.8	100.6	101.3	106.3	107.3	104.7	104.9
55°	684.2	582.7	311.6	150.9	107.5	98.9	100.3	104.4	104.4	101.1	100.8
57.5°	750.8	630.8	314.7	143.0	103.9	97.7	100.1	104.2	103.7	100.6	100.3
60°	815.2	670.1	310.8	135.3	101.5	97.2	101.5	105.9	105.4	102.7	102.5
62.5°	859.7	694.7	301.3	127.6	99.4	97.9	103.2	108.2	108.2	105.4	105.4
65°	878.9	691.9	281.6	120.0	97.7	98.4	105.6	110.9	110.4	108.0	107.5
67.5°	862.9	665.8	255.3	112.6	96.3	98.9	106.8	112.3	111.8	109.2	108.7
70°	811.4	610.9	223.4	105.9	94.4	98.2	107.3	112.1	111.4	109.0	108.0
72.5°	708.9	525.7	190.1	99.4	91.5	96.5	105.9	110.2	109.4	107.5	106.3
75°	583.9	423.9	157.1	92.2	87.9	93.4	102.7	106.6	105.6	103.9	102.7
77.5°	446.4	320.2	129.8	85.5	83.6	89.3	98.4	101.3	100.3	98.9	98.2
80°	315.9	228.0	104.4	78.1	77.4	83.1	90.8	93.9	93.4	92.0	90.8
82.5°	207.9	151.6	83.3	69.7	70.2	76.2	81.9	83.6	83.3	82.1	80.7
85°	128.1	99.9	65.6	60.1	62.3	67.1	71.8	72.1	71.4	71.1	69.0
87.5°	81.7	68.3	51.5	51.0	54.1	58.2	60.3	59.4	59.9	59.9	58.2
90°	53.2	47.9	41.2	42.6	46.0	49.1	50.1	47.4	48.9	48.1	47.4
92.5°	38.6	35.7	33.5	35.4	38.8	41.7	41.2	38.3	39.0	39.0	38.8
95°	29.2	27.8	28.0	29.9	32.6	34.5	33.5	31.1	31.4	30.9	30.2
97.5°	23.0	22.8	23.7	25.1	27.5	28.7	27.8	25.6	25.4	24.7	24.4
100°	18.2	18.4	19.9	21.6	23.0	23.9	23.2	21.1	20.1	18.9	18.7
102.5°	14.1	14.6	16.5	18.0	19.4	20.1	19.4	17.7	16.0	14.8	14.6
105°	11.0	11.5	13.7	15.1	16.3	16.8	16.3	14.4	12.7	11.3	11.3
107.5°	8.6	9.1	11.3	12.9	13.7	14.1	13.4	12.0	10.1	8.9	8.9
110°	6.9	7.4	9.3	10.8	11.5	12.0	11.3	9.6	8.1	7.2	7.2



REPORT NUMBER: P414497

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.5	6.2	7.7	9.1	9.8	10.1	9.3	8.1	6.5	6.0	6.0
115°	4.8	5.3	6.5	7.7	8.4	8.4	7.9	6.7	5.3	5.0	5.0
117.5°	4.1	4.6	5.5	6.7	7.2	7.2	6.7	5.5	4.6	4.3	4.3
120°	3.8	4.1	4.8	5.7	6.2	6.2	5.7	4.8	3.8	3.8	3.8
122.5°	3.4	3.6	4.3	5.0	5.5	5.5	5.0	4.1	3.4	3.6	3.6
125°	3.1	3.4	3.8	4.3	4.8	4.8	4.3	3.6	3.1	3.1	3.1
127.5°	2.9	3.1	3.4	3.8	4.1	4.1	3.8	3.1	2.9	2.9	2.9
130°	2.6	2.9	3.1	3.4	3.6	3.6	3.1	2.6	2.6	2.6	2.6
132.5°	2.6	2.6	2.6	2.9	3.1	3.1	2.9	2.4	2.4	2.4	2.4
135°	2.4	2.4	2.4	2.4	2.6	2.6	2.4	2.2	2.2	2.2	2.2
137.5°	2.2	2.2	2.2	2.2	2.4	2.4	2.2	1.9	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.7	1.9	1.9	1.7	1.7	1.7	1.7	1.7
142.5°	1.4	1.7	1.4	1.4	1.4	1.4	1.4	1.2	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.0	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.0	0.7	1.0	0.7	1.0	1.0	1.0	1.0
150°	1.2	1.2	1.0	1.0	0.7	0.5	0.5	0.7	0.7	0.7	0.7
152.5°	1.0	1.0	1.0	0.7	0.5	0.2	0.2	0.5	0.5	0.5	0.5
155°	1.0	1.0	0.7	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2
157.5°	0.7	0.7	0.7	0.5	0.5	0.2	0.0	0.2	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.5	0.2	0.2	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)