

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: P415289

Luminaire Tested: **LXF.LXT-PA1-40-830-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3619 lumens
Efficiency: N/A
Efficacy: 90.5 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 - G3

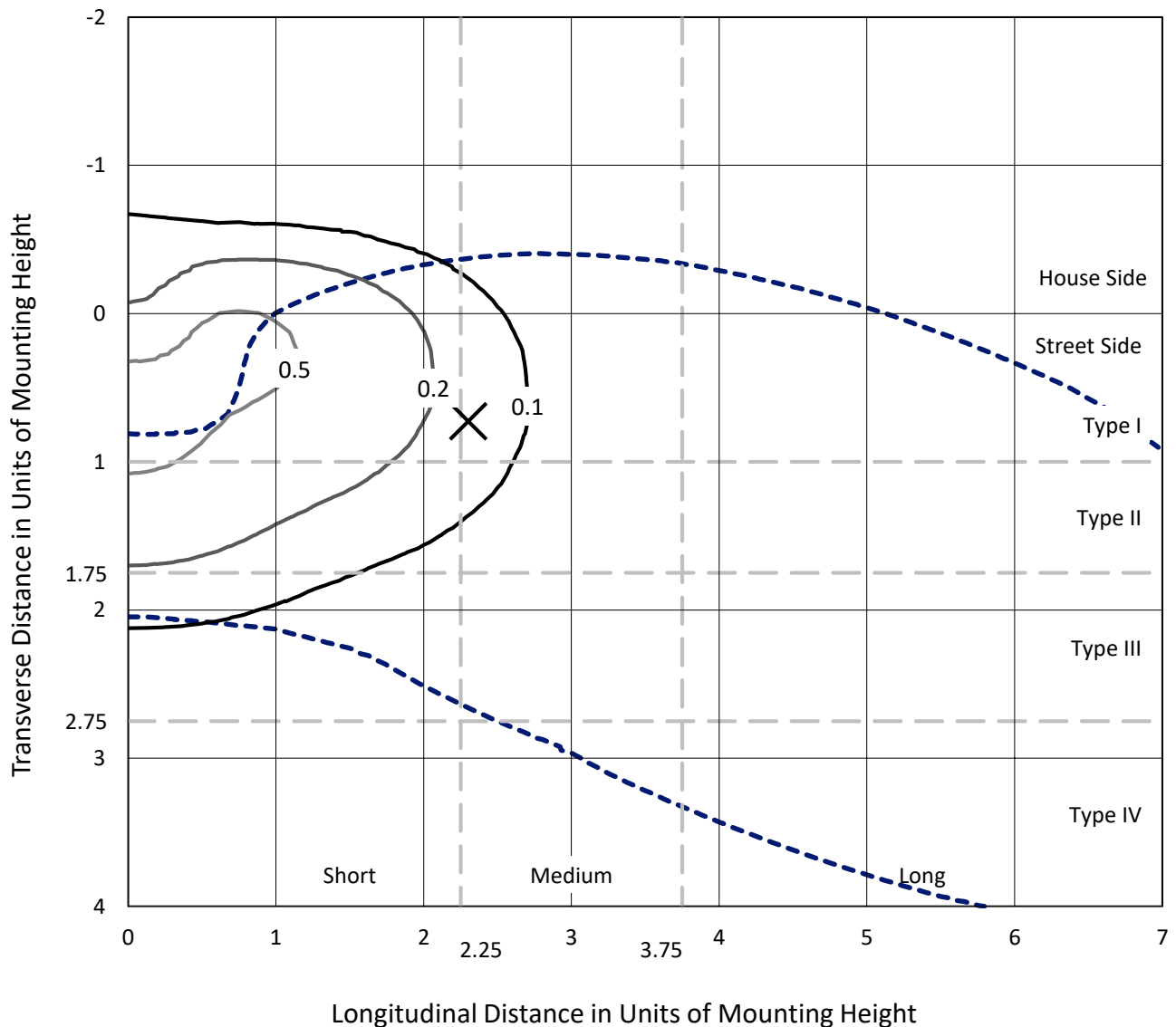
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

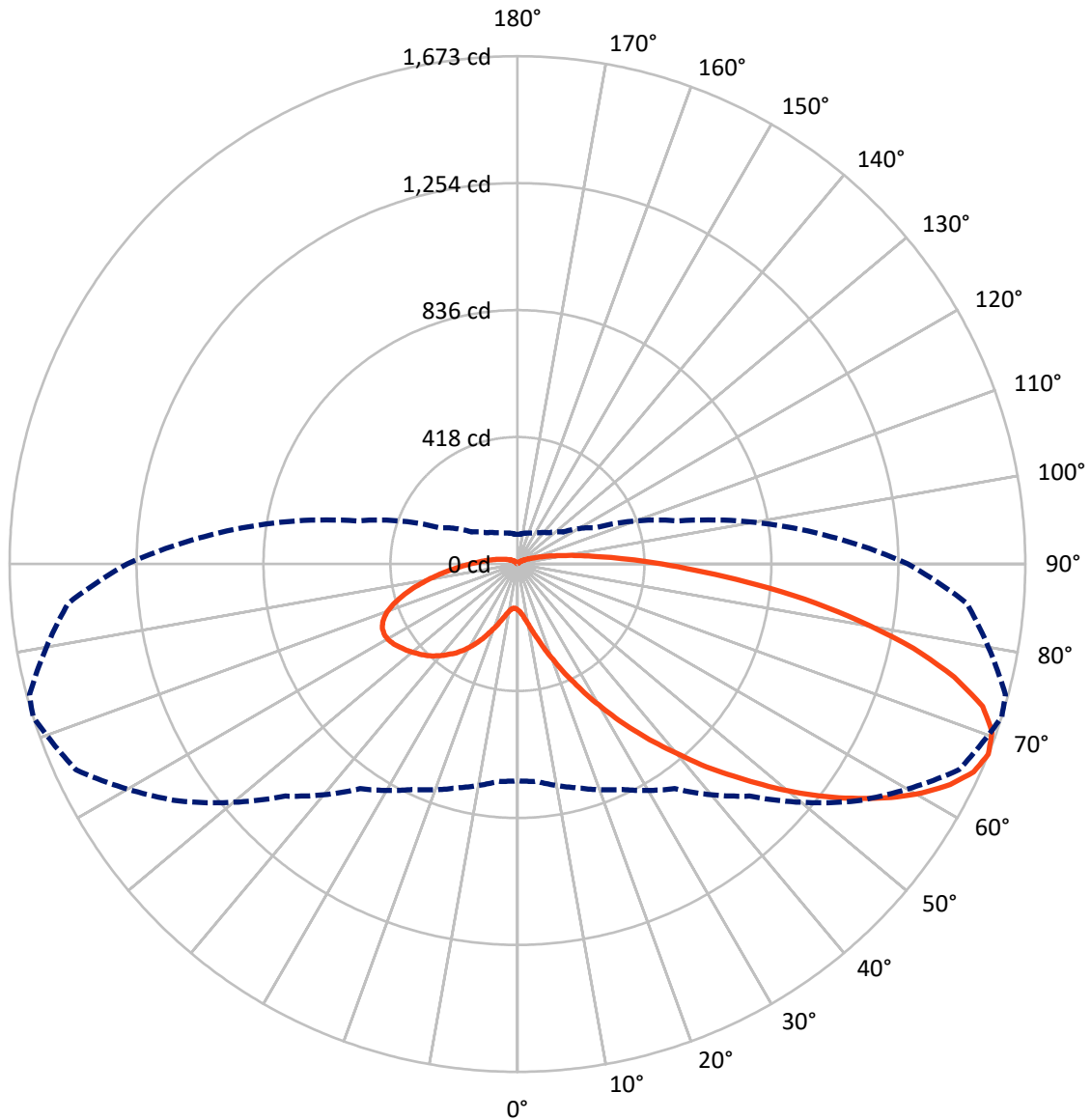
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	734.9	104.5	839.4
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2576.9	202.7	2779.6
	% Fixture	71.2	5.6	76.8
Total	Lumens	3311.8	307.2	3619.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.4
10°-20°	61.7	1.7
20°-30°	149.1	4.1
30°-40°	284.2	7.9
40°-50°	457.4	12.6
50°-60°	632.9	17.5
60°-70°	727.2	20.1
70°-80°	624.2	17.2
80°-90°	359.4	9.9
90°-100°	162.4	4.5
100°-110°	74.7	2.1
110°-120°	37.5	1.0
120°-130°	19.5	0.5
130°-140°	9.3	0.3
140°-150°	3.2	0.1
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3311.8	91.5
0°-180°	3619.0	100.0



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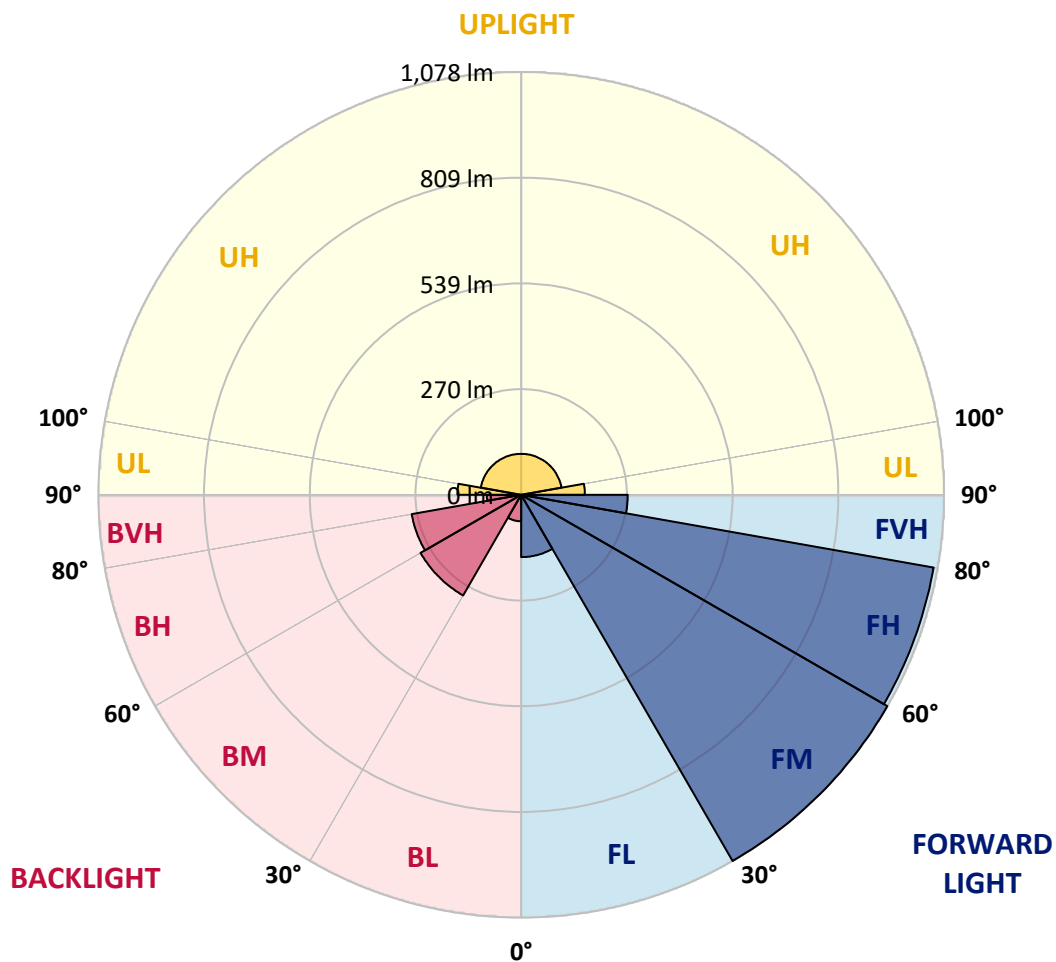
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.9	4.4			
FM	(30°-60°)	1078.3	29.8			
FH	(60°-80°)	1068.0	29.5			G1/1800
FVH	(80°-90°)	271.7	7.5			G3/500
BL	(0°-30°)	67.5	1.9	B0/110		
BM	(30°-60°)	296.3	8.2	B1/1000		
BH	(60°-80°)	283.4	7.8	B1/500		G1/500
BVH	(80°-90°)	87.7	2.4			G1/100
UL	(90°-100°)	162.4	4.5		U3/500	
UH	(100°-180°)	104.5	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
2.5°	169.2	168.8	169.2	167.9	166.6	164.0	162.3	158.8	157.1	156.2	152.7
5°	193.2	192.7	192.3	190.6	186.2	183.2	177.9	171.9	167.9	166.2	160.5
7.5°	219.3	218.4	217.5	213.6	210.6	205.4	197.5	189.7	183.2	181.9	171.4
10°	248.9	248.0	246.3	243.2	237.6	230.2	223.2	211.9	203.6	199.7	188.4
12.5°	279.3	281.1	278.9	272.8	266.3	259.3	249.3	238.4	229.7	226.7	209.3
15°	316.3	317.6	315.4	308.5	301.5	291.1	283.2	271.9	260.2	258.4	239.3
17.5°	357.2	356.8	352.4	345.9	339.8	331.5	320.2	309.8	296.7	293.7	270.2
20°	401.6	399.8	395.9	385.0	379.4	369.8	362.9	348.5	335.9	331.5	308.0
22.5°	446.0	445.1	441.6	431.6	424.6	416.4	405.9	392.9	384.2	375.5	349.4
25°	501.7	496.4	492.1	474.2	467.7	459.9	450.7	439.9	431.6	426.8	396.8
27.5°	557.3	553.4	543.4	530.4	517.7	505.1	501.2	491.6	489.0	485.1	451.2
30°	612.6	610.9	600.0	583.4	565.2	553.0	550.8	551.7	547.8	543.0	506.9
32.5°	675.2	671.3	659.1	637.0	617.8	603.5	603.5	609.6	613.0	608.2	570.0
35°	736.6	733.1	717.9	690.5	669.2	651.8	658.7	673.1	681.3	681.3	633.9
37.5°	801.4	793.6	777.9	749.2	720.5	707.9	715.7	740.5	752.7	752.7	704.8
40°	858.0	857.5	836.2	801.9	773.6	754.9	778.8	811.9	828.0	826.7	776.2
42.5°	914.5	914.1	893.7	855.8	820.1	810.6	840.6	887.1	913.2	913.2	848.4
45°	965.4	962.0	944.6	902.8	869.7	865.4	909.8	968.9	995.9	1000.3	926.7
47.5°	1002.9	999.8	984.6	944.1	912.8	920.6	974.1	1049.4	1086.0	1085.5	1006.8
50°	1028.1	1025.1	1012.0	977.2	950.2	969.8	1044.2	1134.7	1180.4	1183.9	1086.0
52.5°	1035.5	1033.8	1026.8	998.1	980.7	1014.2	1109.9	1221.7	1273.5	1276.5	1172.5
55°	1022.9	1022.9	1022.4	1005.0	998.1	1053.8	1177.8	1306.6	1362.7	1368.3	1257.8
57.5°	993.3	994.6	1002.4	996.8	1007.2	1085.5	1235.2	1383.1	1451.0	1454.5	1334.0
60°	948.5	945.9	963.3	973.7	1002.0	1105.5	1286.1	1460.1	1531.1	1532.4	1401.0
62.5°	880.6	881.9	907.1	934.6	983.3	1113.8	1330.9	1527.6	1599.4	1602.4	1453.2
65°	800.6	803.6	838.0	884.1	951.1	1105.1	1356.6	1579.3	1651.1	1647.2	1483.2
67.5°	714.0	718.3	763.1	819.3	903.2	1080.7	1360.9	1604.1	1672.5	1663.8	1485.8
70°	619.1	630.4	675.2	748.3	841.4	1034.2	1335.7	1599.8	1658.1	1649.8	1447.1
72.5°	533.0	541.2	590.4	666.5	772.3	966.8	1282.2	1549.8	1602.0	1585.4	1366.2
75°	447.3	459.9	506.4	587.8	697.4	883.2	1191.3	1453.2	1485.4	1467.5	1245.6
77.5°	374.2	385.5	431.6	509.9	615.2	795.8	1072.0	1306.6	1333.1	1314.8	1093.4
80°	305.0	317.6	362.4	439.4	538.2	693.1	935.4	1135.1	1145.1	1116.4	925.4
82.5°	255.0	261.5	303.3	371.1	462.1	597.8	795.3	952.4	952.8	918.5	751.8
85°	208.4	212.3	250.6	312.0	389.8	505.1	653.1	767.1	758.3	739.6	579.5
87.5°	168.8	172.7	207.1	262.4	328.1	421.6	533.0	603.9	583.4	568.7	449.9
90°	138.4	142.7	171.0	218.8	275.4	348.1	424.2	466.8	448.6	437.3	346.8
92.5°	113.1	117.5	142.3	183.2	233.2	285.0	337.2	357.2	344.6	331.5	261.5
95°	95.7	96.6	118.8	153.1	192.7	230.2	264.1	275.8	258.4	253.7	202.3
97.5°	78.7	81.4	98.8	129.2	161.0	191.9	209.3	215.4	199.7	189.3	154.9
100°	67.0	68.3	83.5	107.9	134.0	156.2	169.7	166.6	152.7	146.6	117.5
102.5°	57.4	58.7	70.9	93.5	114.0	130.1	136.6	131.8	118.8	114.9	92.2
105°	50.5	50.9	60.9	79.2	96.6	110.1	112.7	105.3	92.7	87.5	72.7
107.5°	44.8	45.2	53.1	68.7	83.5	92.7	93.5	85.3	73.1	69.2	58.3
110°	40.0	40.9	46.6	59.6	72.2	79.2	78.3	69.6	58.3	54.8	47.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	36.1	37.0	41.3	52.2	62.7	68.7	66.6	56.1	46.6	44.4	39.6
115°	33.1	33.9	37.4	46.1	55.3	59.6	56.1	46.6	38.3	35.7	33.1
117.5°	30.9	31.3	33.9	40.9	47.9	51.3	47.4	38.7	31.3	29.6	28.3
120°	28.7	29.2	31.3	36.1	42.2	43.9	40.0	31.8	26.1	25.2	24.8
122.5°	27.0	27.0	28.7	32.2	36.5	37.9	33.9	26.5	22.2	21.3	21.8
125°	25.2	25.2	26.1	28.7	31.8	32.6	28.3	22.2	18.7	18.3	19.1
127.5°	23.5	23.5	23.9	25.7	27.4	27.4	23.5	18.3	16.1	15.7	17.0
130°	21.8	21.8	21.8	22.6	23.5	23.1	19.1	15.2	13.9	13.9	14.8
132.5°	20.0	20.0	20.0	20.0	19.6	18.7	15.7	12.2	12.2	12.2	13.1
135°	17.8	17.8	17.8	17.4	16.5	15.2	12.2	10.0	10.0	10.4	11.3
137.5°	16.1	16.1	15.7	14.8	13.5	11.7	9.6	7.8	8.7	8.7	9.6
140°	13.9	13.9	13.5	12.2	10.4	8.7	7.0	6.5	7.0	7.4	8.3
142.5°	11.7	11.7	11.3	10.0	8.3	6.1	4.8	4.8	5.7	5.7	6.5
145°	9.6	9.6	9.1	7.8	5.7	3.9	3.0	3.5	4.4	4.4	4.8
147.5°	7.4	7.4	7.0	5.7	3.9	2.6	1.7	2.6	3.0	3.0	3.5
150°	5.2	5.2	4.8	3.9	2.6	1.3	0.9	1.3	1.7	2.2	2.2
152.5°	3.5	3.5	3.0	2.6	1.3	0.4	0.9	1.3	1.3	1.3	1.7
155°	2.2	1.7	1.7	1.3	0.4	0.0	0.4	0.9	0.9	0.9	1.3
157.5°	0.9	0.9	0.9	0.9	0.4	0.0	0.4	0.4	0.4	0.9	0.9
160°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
162.5°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
165°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
167.5°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
170°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
172.5°	0.0	0.4	0.4	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
175°	0.0	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.0	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
2.5°	151.8	150.1	147.5	144.9	142.3	140.5	138.8	137.9	136.6	135.3	135.3
5°	157.1	153.6	147.5	141.4	135.7	131.0	126.2	123.6	121.8	120.1	120.5
7.5°	166.6	161.4	151.4	141.4	132.3	124.4	117.9	112.7	109.2	107.0	107.5
10°	180.1	174.5	159.2	144.9	131.8	120.5	111.4	104.0	99.6	97.5	97.5
12.5°	201.4	191.9	171.9	151.4	134.0	118.8	107.0	98.3	92.2	89.6	89.2
15°	227.1	213.6	189.3	164.0	139.2	118.8	103.5	97.5	93.5	91.8	91.4
17.5°	257.6	242.8	209.3	175.8	146.2	121.4	108.3	100.9	96.6	94.8	94.4
20°	290.6	273.2	231.0	190.6	153.1	129.2	113.1	104.0	99.2	97.5	97.5
22.5°	331.1	308.0	254.5	203.6	161.9	135.7	117.9	106.6	102.2	100.5	100.1
25°	372.9	346.8	282.4	217.5	171.4	141.0	121.4	109.2	104.9	103.1	103.5
27.5°	422.0	388.5	309.8	231.5	179.7	144.0	123.1	111.4	107.0	105.7	106.2
30°	473.4	431.2	334.1	245.8	185.3	146.2	124.4	113.1	108.3	107.5	107.5
32.5°	527.8	479.9	359.4	258.4	188.8	146.6	124.4	114.0	109.2	108.8	109.2
35°	583.4	526.9	383.7	268.4	190.6	146.2	124.0	114.9	109.2	109.2	109.2
37.5°	645.2	573.0	404.2	275.4	191.0	144.9	123.6	114.4	109.2	109.2	109.6
40°	708.7	622.2	426.8	281.1	190.6	144.0	123.1	114.4	109.2	109.2	109.6
42.5°	771.8	667.9	448.1	284.5	189.7	143.1	122.7	114.4	109.2	108.3	108.8
45°	840.1	720.9	468.6	286.7	188.8	142.7	122.7	114.0	109.2	107.5	107.9
47.5°	903.7	770.1	485.1	289.3	188.4	142.7	123.1	114.0	108.8	107.0	107.0
50°	975.5	821.0	502.1	290.2	187.5	142.7	123.1	114.0	108.3	105.7	106.2
52.5°	1046.4	872.3	518.6	291.9	187.5	143.1	123.6	114.0	107.9	104.4	104.4
55°	1114.2	918.0	533.4	293.2	187.5	144.0	124.9	114.0	107.5	103.1	103.1
57.5°	1176.5	965.0	548.2	293.7	187.5	144.9	124.9	114.4	107.0	101.8	101.8
60°	1231.7	1005.5	558.6	294.1	187.1	145.8	125.7	114.0	106.6	100.5	100.5
62.5°	1270.9	1036.4	563.9	292.8	187.1	145.8	126.2	114.0	106.2	100.1	99.6
65°	1293.1	1047.2	560.8	288.9	186.2	145.8	125.7	113.6	105.3	99.2	98.8
67.5°	1285.7	1035.5	547.8	282.8	184.0	145.3	125.7	112.7	105.3	98.8	97.9
70°	1245.6	1000.3	523.0	273.7	181.0	143.6	124.0	111.4	104.4	98.3	97.5
72.5°	1167.3	929.3	486.9	259.3	175.8	141.0	121.8	109.2	102.7	97.0	95.7
75°	1058.6	844.9	442.9	244.5	169.2	137.5	119.2	107.0	100.5	95.3	94.0
77.5°	918.9	732.2	394.2	225.4	161.0	132.7	115.7	103.5	97.5	92.7	90.9
80°	774.0	616.9	341.5	205.4	152.3	126.6	110.5	99.2	93.5	89.2	87.0
82.5°	626.5	506.9	292.4	186.2	142.3	119.6	105.3	94.4	89.2	84.4	82.2
85°	494.3	400.7	245.0	166.2	131.8	112.7	99.2	88.8	84.0	78.7	76.6
87.5°	384.6	318.0	204.9	147.9	120.5	104.9	92.7	83.1	77.4	72.7	70.9
90°	299.8	250.6	171.4	130.5	110.5	97.0	85.7	77.0	71.4	66.6	64.4
92.5°	228.4	198.4	143.6	115.3	100.5	89.2	79.2	70.9	65.3	60.0	57.9
95°	178.8	157.5	121.4	101.4	90.5	80.9	72.7	64.8	58.7	53.1	51.8
97.5°	138.8	126.2	102.2	88.8	81.8	73.1	65.7	58.7	52.6	47.0	45.7
100°	109.6	100.5	86.6	78.7	72.7	65.7	59.2	53.1	46.6	40.5	40.0
102.5°	86.6	82.7	73.5	69.2	64.4	59.2	53.5	47.0	40.5	34.8	34.4
105°	70.9	67.4	63.1	60.5	57.4	52.6	47.4	41.8	35.2	30.0	30.0
107.5°	57.4	55.7	53.5	53.1	50.9	47.0	42.6	37.0	30.5	26.1	26.1
110°	47.0	46.6	46.6	46.6	45.2	42.2	37.9	32.2	25.7	22.6	22.6



REPORT NUMBER: P415289

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	39.6	39.6	40.0	40.9	40.0	37.0	33.1	27.8	22.2	19.6	19.6
115°	33.5	33.9	35.2	35.7	35.2	33.1	29.2	23.9	18.7	17.0	17.4
117.5°	29.2	29.2	30.9	31.8	31.3	29.2	25.2	20.4	16.1	15.2	15.2
120°	25.2	26.1	27.4	27.8	27.4	25.2	22.2	17.4	13.9	13.5	13.5
122.5°	22.2	22.6	23.9	24.8	23.9	22.2	18.7	14.8	11.7	11.7	12.2
125°	19.6	20.0	20.9	21.8	20.9	18.7	16.1	12.2	10.4	10.4	10.4
127.5°	17.4	17.8	18.7	18.7	17.8	16.1	13.5	10.4	8.7	9.1	9.1
130°	15.2	15.7	16.1	16.1	15.7	13.9	11.3	8.7	7.8	8.3	8.3
132.5°	13.5	13.9	13.9	13.9	13.1	11.7	9.6	7.4	7.0	7.4	7.4
135°	11.7	11.7	12.2	11.7	10.9	9.6	7.4	6.1	6.1	6.5	6.5
137.5°	10.0	10.4	10.4	9.6	8.7	7.4	6.1	5.2	5.2	5.7	5.7
140°	8.3	8.7	8.3	7.8	7.0	6.1	4.8	3.9	4.4	4.8	4.8
142.5°	7.0	7.0	7.0	6.1	5.2	4.4	3.5	3.5	3.9	3.9	4.4
145°	5.2	5.2	5.2	4.8	3.9	3.0	2.6	2.6	3.0	3.5	3.5
147.5°	3.9	3.9	3.9	3.5	2.6	2.2	1.7	2.2	2.6	3.0	2.6
150°	2.6	2.6	2.6	2.2	1.7	1.3	1.3	1.7	2.2	2.2	2.2
152.5°	1.7	1.7	1.7	1.7	1.3	0.4	0.9	1.3	1.7	1.7	1.7
155°	1.3	1.3	1.3	1.3	0.9	0.0	0.4	0.9	1.3	1.3	1.3
157.5°	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.4	0.9	0.9	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.0
165°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
167.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
170°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
172.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
175°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
177.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)