

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: P414613

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414613
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-PA1-30-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3203 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 - U3 - G3

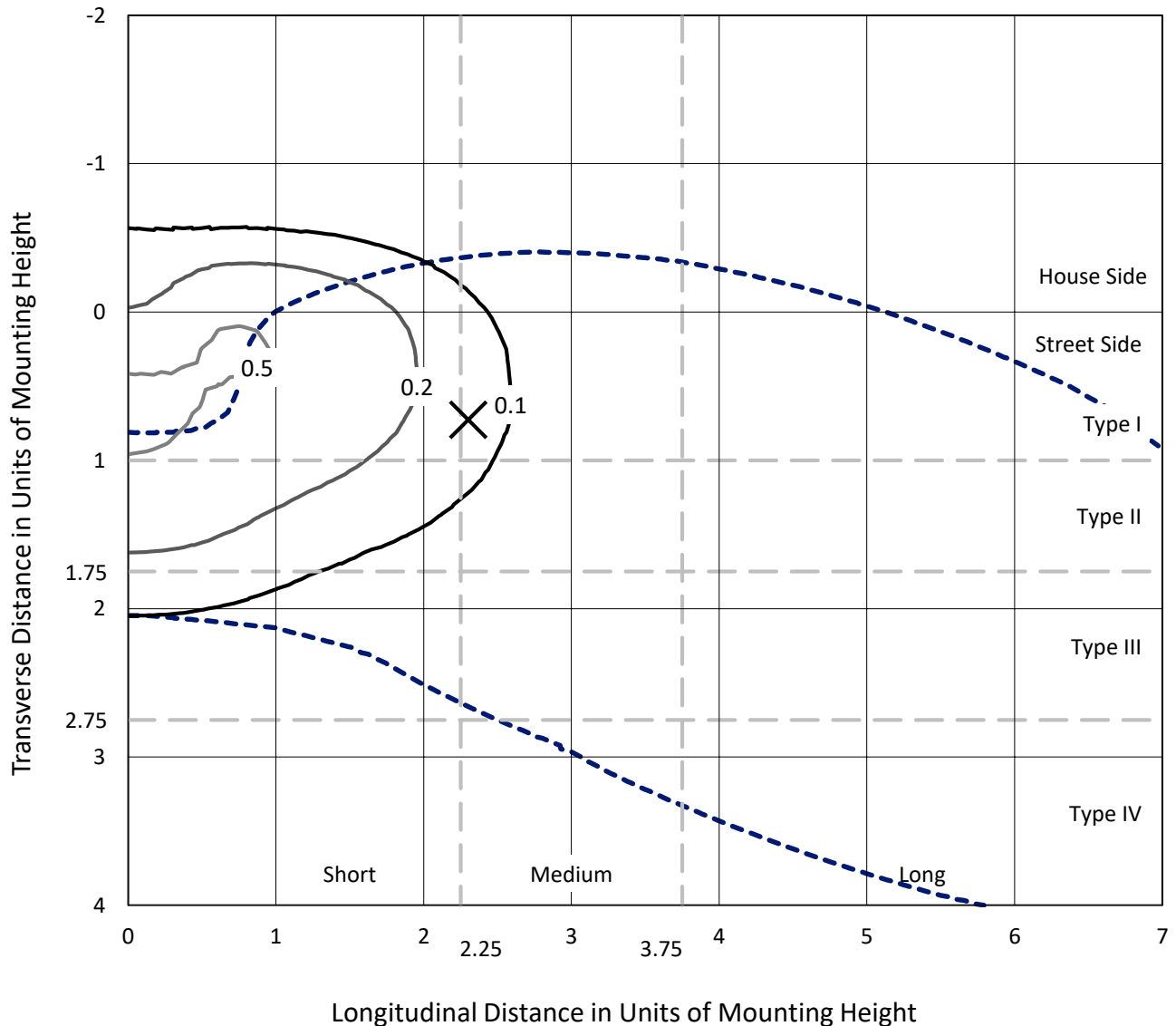
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

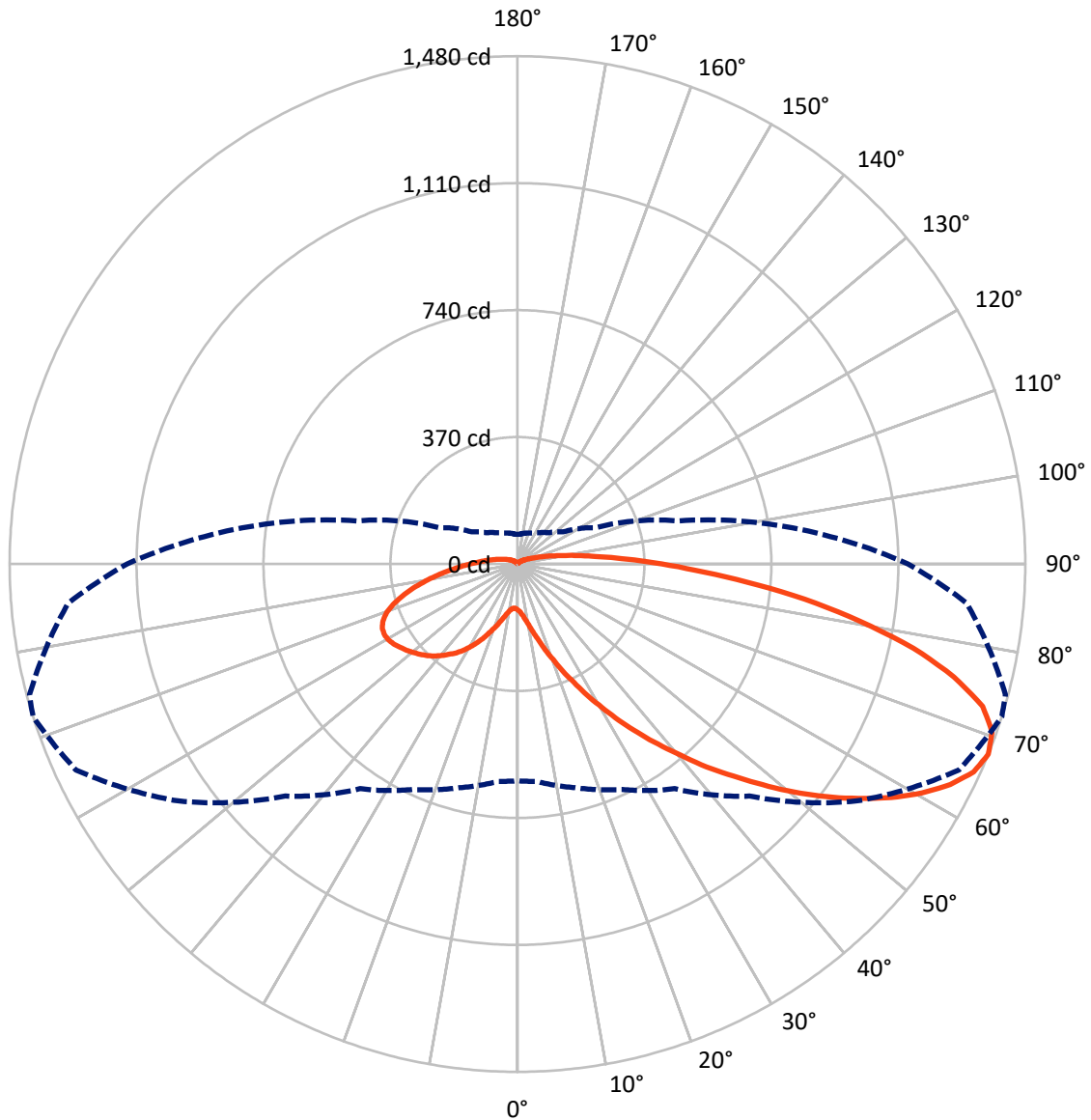
× Max cd
 - - - 1/2 Max cd



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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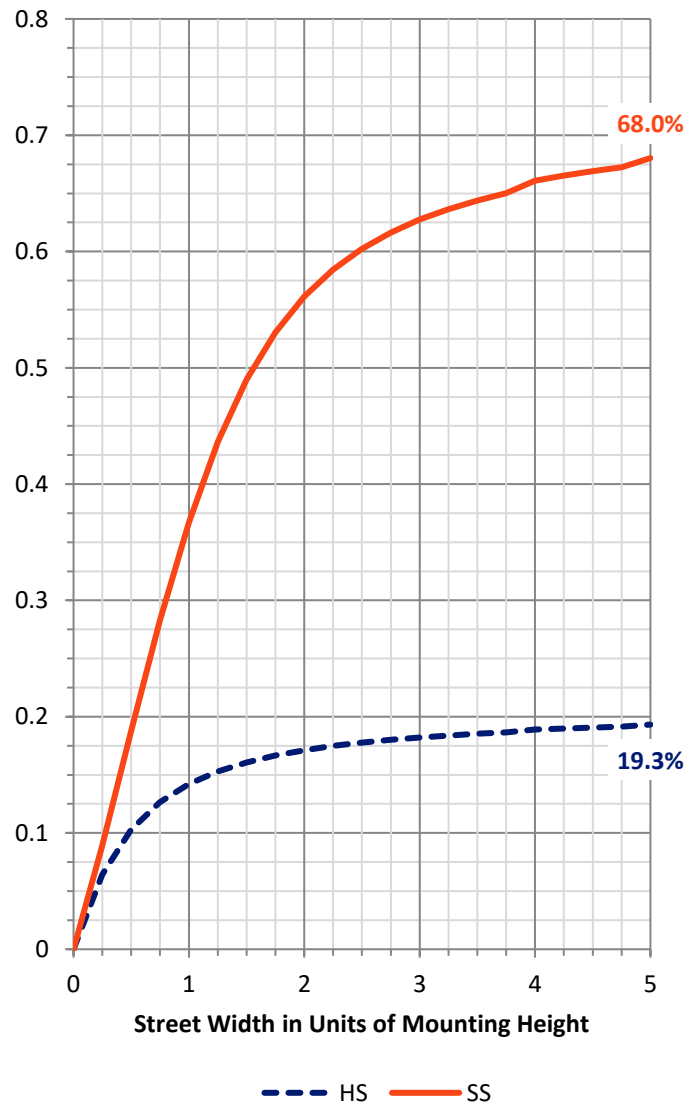
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.4	92.5	743.0
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2280.7	179.4	2460.1
	% Fixture	71.2	5.6	76.8
Total	Lumens	2931.1	271.9	3203.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.4
10°-20°	54.6	1.7
20°-30°	132.0	4.1
30°-40°	251.5	7.9
40°-50°	404.9	12.6
50°-60°	560.2	17.5
60°-70°	643.6	20.1
70°-80°	552.5	17.2
80°-90°	318.1	9.9
90°-100°	143.8	4.5
100°-110°	66.1	2.1
110°-120°	33.2	1.0
120°-130°	17.2	0.5
130°-140°	8.2	0.3
140°-150°	2.8	0.1
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2931.1	91.5
0°-180°	3203.0	100.0



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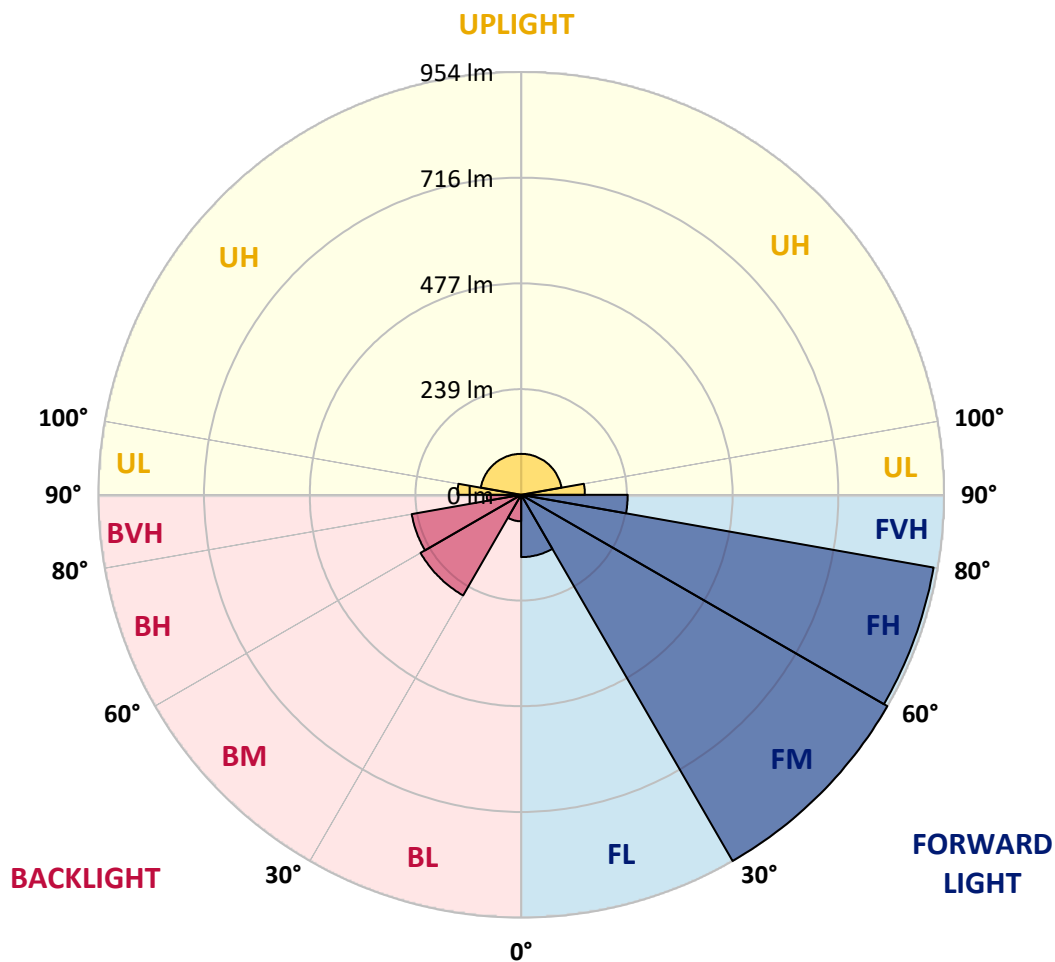
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.7	4.4			
FM	(30°-60°)	954.3	29.8			
FH	(60°-80°)	945.3	29.5			G1/1800
FVH	(80°-90°)	240.5	7.5			G3/500
BL	(0°-30°)	59.7	1.9	B0/110		
BM	(30°-60°)	262.3	8.2	B1/1000		
BH	(60°-80°)	250.8	7.8	B1/500		G1/500
BVH	(80°-90°)	77.6	2.4			G1/100
UL	(90°-100°)	143.8	4.5		U3/500	
UH	(100°-180°)	92.5	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°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6
2.5°	149.8	149.4	149.8	148.6	147.5	145.2	143.6	140.6	139.0	138.2	135.2
5°	171.0	170.6	170.2	168.7	164.8	162.1	157.5	152.1	148.6	147.1	142.1
7.5°	194.1	193.3	192.5	189.1	186.4	181.8	174.8	167.9	162.1	161.0	151.7
10°	220.3	219.5	217.9	215.3	210.2	203.7	197.5	187.5	180.2	176.7	166.7
12.5°	247.2	248.8	246.8	241.4	235.7	229.5	220.6	211.0	203.3	200.6	185.2
15°	279.9	281.1	279.2	273.0	266.9	257.6	250.7	240.7	230.3	228.7	211.8
17.5°	316.1	315.8	311.9	306.1	300.7	293.4	283.4	274.2	262.6	259.9	239.1
20°	355.4	353.9	350.4	340.8	335.8	327.3	321.1	308.4	297.3	293.4	272.6
22.5°	394.7	393.9	390.8	382.0	375.8	368.5	359.3	347.7	340.0	332.3	309.2
25°	444.0	439.4	435.5	419.7	414.0	407.0	398.9	389.3	382.0	377.8	351.2
27.5°	493.3	489.8	481.0	469.4	458.2	447.1	443.6	435.1	432.8	429.4	399.3
30°	542.2	540.6	531.0	516.4	500.2	489.4	487.5	488.3	484.8	480.6	448.6
32.5°	597.6	594.2	583.4	563.7	546.8	534.1	534.1	539.5	542.6	538.3	504.4
35°	651.9	648.8	635.4	611.1	592.2	576.8	583.0	595.7	603.0	603.0	561.0
37.5°	709.3	702.4	688.5	663.1	637.7	626.5	633.4	655.4	666.2	666.2	623.8
40°	759.4	759.0	740.1	709.7	684.7	668.1	689.3	718.5	732.8	731.6	687.0
42.5°	809.4	809.0	790.9	757.4	725.9	717.4	744.0	785.2	808.3	808.3	750.9
45°	854.5	851.4	836.0	799.0	769.8	765.9	805.2	857.6	881.4	885.3	820.2
47.5°	887.6	884.9	871.4	835.6	807.9	814.8	862.2	928.8	961.1	960.8	891.1
50°	909.9	907.2	895.7	864.9	841.0	858.3	924.2	1004.3	1044.7	1047.8	961.1
52.5°	916.5	914.9	908.8	883.4	867.9	897.6	982.3	1081.3	1127.1	1129.8	1037.8
55°	905.3	905.3	904.9	889.5	883.4	932.6	1042.4	1156.4	1206.0	1211.0	1113.2
57.5°	879.1	880.3	887.2	882.2	891.4	960.8	1093.2	1224.1	1284.2	1287.3	1180.6
60°	839.5	837.1	852.5	861.8	886.8	978.5	1138.3	1292.3	1355.1	1356.2	1239.9
62.5°	779.4	780.5	802.9	827.1	870.3	985.8	1177.9	1352.0	1415.5	1418.2	1286.1
65°	708.5	711.2	741.6	782.5	841.8	978.1	1200.6	1397.8	1461.3	1457.9	1312.7
67.5°	631.9	635.8	675.4	725.1	799.4	956.5	1204.5	1419.8	1480.2	1472.5	1315.0
70°	548.0	558.0	597.6	662.3	744.7	915.3	1182.2	1415.9	1467.5	1460.2	1280.7
72.5°	471.7	479.0	522.5	589.9	683.5	855.6	1134.8	1371.6	1417.8	1403.2	1209.1
75°	395.9	407.0	448.2	520.2	617.3	781.7	1054.3	1286.1	1314.6	1298.8	1102.5
77.5°	331.2	341.2	382.0	451.3	544.5	704.3	948.8	1156.4	1179.9	1163.7	967.7
80°	269.9	281.1	320.8	388.9	476.3	613.4	827.9	1004.6	1013.5	988.1	819.0
82.5°	225.7	231.4	268.4	328.5	408.9	529.1	703.9	842.9	843.3	812.9	665.4
85°	184.4	187.9	221.8	276.1	345.0	447.1	578.0	678.9	671.2	654.6	512.9
87.5°	149.4	152.9	183.3	232.2	290.3	373.1	471.7	534.5	516.4	503.3	398.2
90°	122.5	126.3	151.3	193.7	243.7	308.1	375.4	413.2	397.0	387.0	306.9
92.5°	100.1	104.0	125.9	162.1	206.4	252.2	298.4	316.1	305.0	293.4	231.4
95°	84.7	85.5	105.1	135.5	170.6	203.7	233.7	244.1	228.7	224.5	179.1
97.5°	69.7	72.0	87.4	114.4	142.5	169.8	185.2	190.6	176.7	167.5	137.1
100°	59.3	60.5	73.9	95.5	118.6	138.2	150.2	147.5	135.2	129.8	104.0
102.5°	50.8	52.0	62.8	82.8	100.9	115.1	120.9	116.7	105.1	101.7	81.6
105°	44.7	45.1	53.9	70.1	85.5	97.4	99.7	93.2	82.0	77.4	64.3
107.5°	39.7	40.0	47.0	60.8	73.9	82.0	82.8	75.5	64.7	61.2	51.6
110°	35.4	36.2	41.2	52.8	63.9	70.1	69.3	61.6	51.6	48.5	42.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	32.0	32.7	36.6	46.2	55.5	60.8	58.9	49.7	41.2	39.3	35.0
115°	29.3	30.0	33.1	40.8	48.9	52.8	49.7	41.2	33.9	31.6	29.3
117.5°	27.3	27.7	30.0	36.2	42.4	45.4	42.0	34.3	27.7	26.2	25.0
120°	25.4	25.8	27.7	32.0	37.4	38.9	35.4	28.1	23.1	22.3	21.9
122.5°	23.9	23.9	25.4	28.5	32.3	33.5	30.0	23.5	19.6	18.9	19.3
125°	22.3	22.3	23.1	25.4	28.1	28.9	25.0	19.6	16.6	16.2	16.9
127.5°	20.8	20.8	21.2	22.7	24.3	24.3	20.8	16.2	14.2	13.9	15.0
130°	19.3	19.3	19.3	20.0	20.8	20.4	16.9	13.5	12.3	12.3	13.1
132.5°	17.7	17.7	17.7	17.7	17.3	16.6	13.9	10.8	10.8	10.8	11.6
135°	15.8	15.8	15.8	15.4	14.6	13.5	10.8	8.9	8.9	9.2	10.0
137.5°	14.2	14.2	13.9	13.1	11.9	10.4	8.5	6.9	7.7	7.7	8.5
140°	12.3	12.3	11.9	10.8	9.2	7.7	6.2	5.8	6.2	6.5	7.3
142.5°	10.4	10.4	10.0	8.9	7.3	5.4	4.2	4.2	5.0	5.0	5.8
145°	8.5	8.5	8.1	6.9	5.0	3.5	2.7	3.1	3.9	3.9	4.2
147.5°	6.5	6.5	6.2	5.0	3.5	2.3	1.5	2.3	2.7	2.7	3.1
150°	4.6	4.6	4.2	3.5	2.3	1.2	0.8	1.2	1.5	1.9	1.9
152.5°	3.1	3.1	2.7	2.3	1.2	0.4	0.8	1.2	1.2	1.2	1.5
155°	1.9	1.5	1.5	1.2	0.4	0.0	0.4	0.8	0.8	0.8	1.2
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.8	0.8
160°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
162.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
165°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
167.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
170°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
172.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
175°	0.0	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.0	0.4	0.4	0.8	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°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6
2.5°	134.4	132.8	130.5	128.2	125.9	124.4	122.8	122.1	120.9	119.8	119.8
5°	139.0	135.9	130.5	125.1	120.1	115.9	111.7	109.4	107.8	106.3	106.7
7.5°	147.5	142.9	134.0	125.1	117.1	110.1	104.4	99.7	96.7	94.7	95.1
10°	159.4	154.4	140.9	128.2	116.7	106.7	98.6	92.0	88.2	86.3	86.3
12.5°	178.3	169.8	152.1	134.0	118.6	105.1	94.7	87.0	81.6	79.3	78.9
15°	201.0	189.1	167.5	145.2	123.2	105.1	91.6	86.3	82.8	81.2	80.9
17.5°	228.0	214.9	185.2	155.6	129.4	107.4	95.9	89.3	85.5	83.9	83.6
20°	257.2	241.8	204.5	168.7	135.5	114.4	100.1	92.0	87.8	86.3	86.3
22.5°	293.0	272.6	225.3	180.2	143.2	120.1	104.4	94.3	90.5	89.0	88.6
25°	330.0	306.9	249.9	192.5	151.7	124.8	107.4	96.7	92.8	91.3	91.6
27.5°	373.5	343.9	274.2	204.9	159.0	127.5	109.0	98.6	94.7	93.6	94.0
30°	419.0	381.6	295.7	217.6	164.0	129.4	110.1	100.1	95.9	95.1	95.1
32.5°	467.1	424.7	318.1	228.7	167.1	129.8	110.1	100.9	96.7	96.3	96.7
35°	516.4	466.3	339.6	237.6	168.7	129.4	109.7	101.7	96.7	96.7	96.7
37.5°	571.1	507.1	357.7	243.7	169.0	128.2	109.4	101.3	96.7	96.7	97.0
40°	627.3	550.7	377.8	248.8	168.7	127.5	109.0	101.3	96.7	96.7	97.0
42.5°	683.1	591.1	396.6	251.8	167.9	126.7	108.6	101.3	96.7	95.9	96.3
45°	743.6	638.1	414.7	253.8	167.1	126.3	108.6	100.9	96.7	95.1	95.5
47.5°	799.8	681.6	429.4	256.1	166.7	126.3	109.0	100.9	96.3	94.7	94.7
50°	863.3	726.6	444.4	256.8	166.0	126.3	109.0	100.9	95.9	93.6	94.0
52.5°	926.1	772.1	459.0	258.4	166.0	126.7	109.4	100.9	95.5	92.4	92.4
55°	986.2	812.5	472.1	259.5	166.0	127.5	110.5	100.9	95.1	91.3	91.3
57.5°	1041.2	854.1	485.2	259.9	166.0	128.2	110.5	101.3	94.7	90.1	90.1
60°	1090.1	889.9	494.4	260.3	165.6	129.0	111.3	100.9	94.3	89.0	89.0
62.5°	1124.8	917.2	499.1	259.2	165.6	129.0	111.7	100.9	94.0	88.6	88.2
65°	1144.4	926.9	496.4	255.7	164.8	129.0	111.3	100.5	93.2	87.8	87.4
67.5°	1137.9	916.5	484.8	250.3	162.9	128.6	111.3	99.7	93.2	87.4	86.6
70°	1102.5	885.3	462.9	242.2	160.2	127.1	109.7	98.6	92.4	87.0	86.3
72.5°	1033.1	822.5	430.9	229.5	155.6	124.8	107.8	96.7	90.9	85.9	84.7
75°	936.9	747.8	392.0	216.4	149.8	121.7	105.5	94.7	89.0	84.3	83.2
77.5°	813.3	648.1	348.9	199.5	142.5	117.4	102.4	91.6	86.3	82.0	80.5
80°	685.0	546.0	302.3	181.8	134.8	112.1	97.8	87.8	82.8	78.9	77.0
82.5°	554.5	448.6	258.8	164.8	125.9	105.9	93.2	83.6	78.9	74.7	72.8
85°	437.4	354.6	216.8	147.1	116.7	99.7	87.8	78.6	74.3	69.7	67.8
87.5°	340.4	281.5	181.4	130.9	106.7	92.8	82.0	73.5	68.5	64.3	62.8
90°	265.3	221.8	151.7	115.5	97.8	85.9	75.9	68.2	63.2	58.9	57.0
92.5°	202.2	175.6	127.1	102.0	89.0	78.9	70.1	62.8	57.8	53.1	51.2
95°	158.3	139.4	107.4	89.7	80.1	71.6	64.3	57.4	52.0	47.0	45.8
97.5°	122.8	111.7	90.5	78.6	72.4	64.7	58.1	52.0	46.6	41.6	40.4
100°	97.0	89.0	76.6	69.7	64.3	58.1	52.4	47.0	41.2	35.8	35.4
102.5°	76.6	73.2	65.1	61.2	57.0	52.4	47.4	41.6	35.8	30.8	30.4
105°	62.8	59.7	55.8	53.5	50.8	46.6	42.0	37.0	31.2	26.6	26.6
107.5°	50.8	49.3	47.4	47.0	45.1	41.6	37.7	32.7	27.0	23.1	23.1
110°	41.6	41.2	41.2	41.2	40.0	37.4	33.5	28.5	22.7	20.0	20.0



REPORT NUMBER: P414613

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	35.0	35.0	35.4	36.2	35.4	32.7	29.3	24.6	19.6	17.3	17.3
115°	29.7	30.0	31.2	31.6	31.2	29.3	25.8	21.2	16.6	15.0	15.4
117.5°	25.8	25.8	27.3	28.1	27.7	25.8	22.3	18.1	14.2	13.5	13.5
120°	22.3	23.1	24.3	24.6	24.3	22.3	19.6	15.4	12.3	11.9	11.9
122.5°	19.6	20.0	21.2	21.9	21.2	19.6	16.6	13.1	10.4	10.4	10.8
125°	17.3	17.7	18.5	19.3	18.5	16.6	14.2	10.8	9.2	9.2	9.2
127.5°	15.4	15.8	16.6	16.6	15.8	14.2	11.9	9.2	7.7	8.1	8.1
130°	13.5	13.9	14.2	14.2	13.9	12.3	10.0	7.7	6.9	7.3	7.3
132.5°	11.9	12.3	12.3	12.3	11.6	10.4	8.5	6.5	6.2	6.5	6.5
135°	10.4	10.4	10.8	10.4	9.6	8.5	6.5	5.4	5.4	5.8	5.8
137.5°	8.9	9.2	9.2	8.5	7.7	6.5	5.4	4.6	4.6	5.0	5.0
140°	7.3	7.7	7.3	6.9	6.2	5.4	4.2	3.5	3.9	4.2	4.2
142.5°	6.2	6.2	6.2	5.4	4.6	3.9	3.1	3.1	3.5	3.5	3.9
145°	4.6	4.6	4.6	4.2	3.5	2.7	2.3	2.3	2.7	3.1	3.1
147.5°	3.5	3.5	3.5	3.1	2.3	1.9	1.5	1.9	2.3	2.7	2.3
150°	2.3	2.3	2.3	1.9	1.5	1.2	1.2	1.5	1.9	1.9	1.9
152.5°	1.5	1.5	1.5	1.5	1.2	0.4	0.8	1.2	1.5	1.5	1.5
155°	1.2	1.2	1.2	1.2	0.8	0.0	0.4	0.8	1.2	1.2	1.2
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.4	0.8	0.8	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)