

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: P414821

Luminaire Tested: **LXF.LXT-PA1-30-827-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414821
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-PA1-30-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 2585 lumens
Efficiency: N/A
Efficacy: 83.4 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 - G2

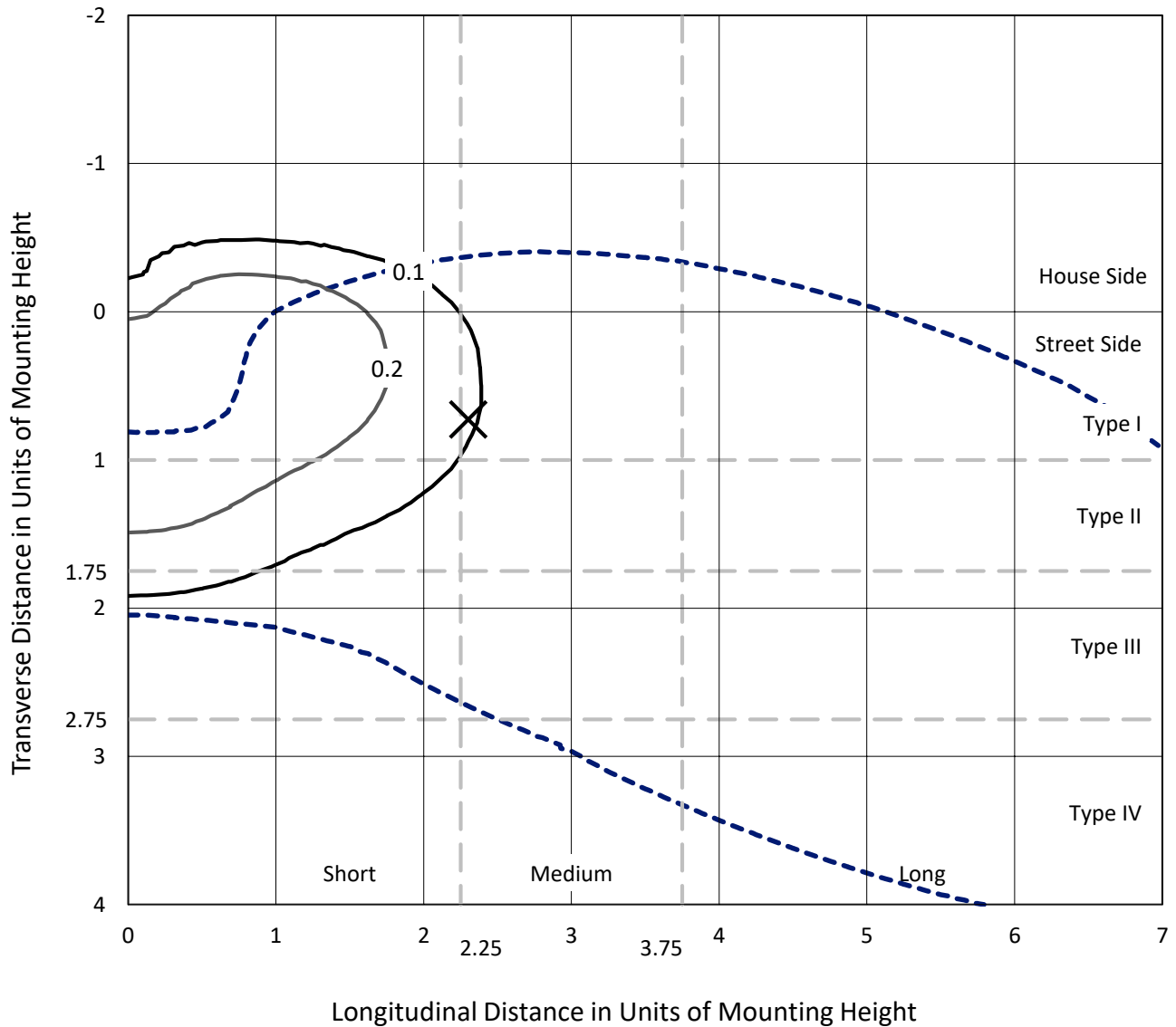
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

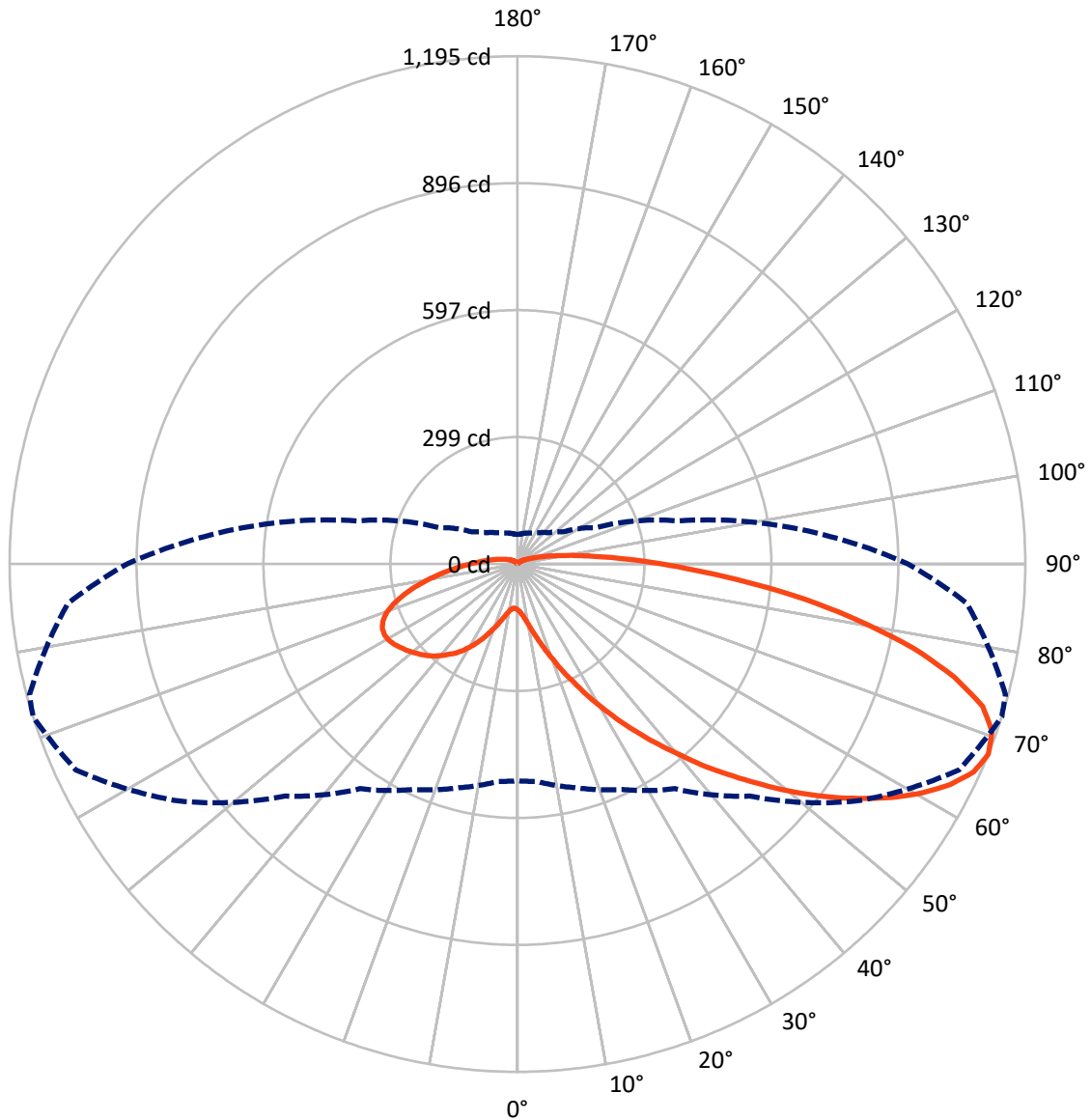
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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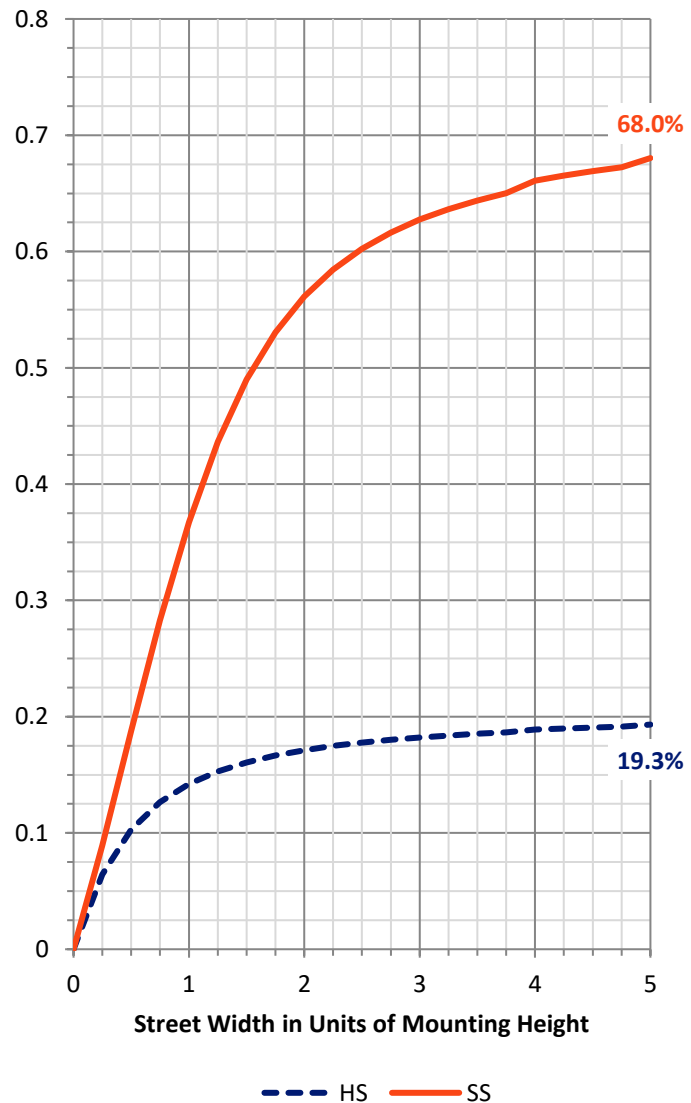
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	524.9	74.7	599.6
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	1840.6	144.8	1985.4
	% Fixture	71.2	5.6	76.8
Total	Lumens	2365.6	219.4	2585.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.4
10°-20°	44.1	1.7
20°-30°	106.5	4.1
30°-40°	203.0	7.9
40°-50°	326.7	12.6
50°-60°	452.1	17.5
60°-70°	519.4	20.1
70°-80°	445.9	17.2
80°-90°	256.7	9.9
90°-100°	116.0	4.5
100°-110°	53.3	2.1
110°-120°	26.8	1.0
120°-130°	13.9	0.5
130°-140°	6.6	0.3
140°-150°	2.3	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2365.6	91.5
0°-180°	2585.0	100.0



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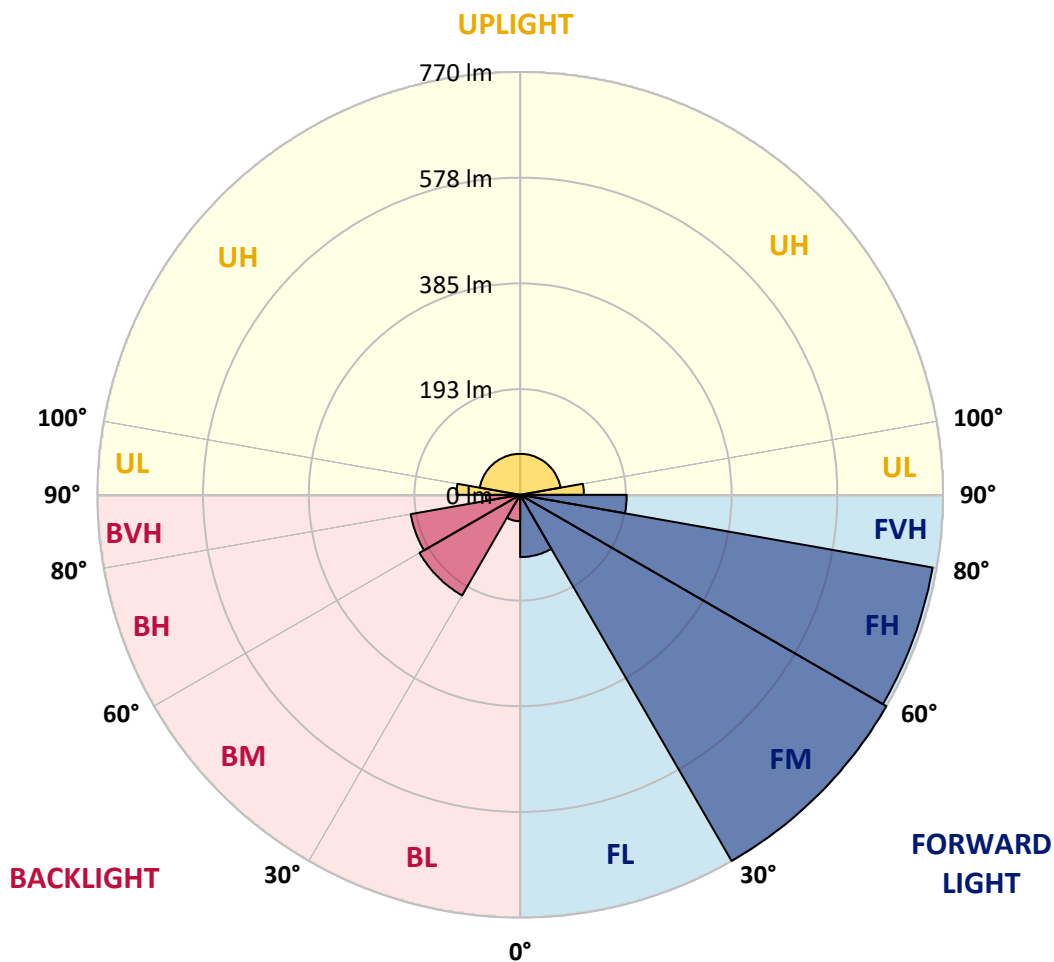
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.5	4.4			
FM	(30°-60°)	770.2	29.8			
FH	(60°-80°)	762.9	29.5			G1/1800
FVH	(80°-90°)	194.1	7.5			G2/225
BL	(0°-30°)	48.2	1.9	B0/110		
BM	(30°-60°)	211.7	8.2	B0/220		
BH	(60°-80°)	202.4	7.8	B1/500		G1/500
BVH	(80°-90°)	62.6	2.4			G1/100
UL	(90°-100°)	116.0	4.5		U3/500	
UH	(100°-180°)	74.7	2.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	120.9	120.6	120.9	120.0	119.0	117.2	115.9	113.4	112.2	111.6	109.1
5°	138.0	137.7	137.4	136.1	133.0	130.8	127.1	122.8	120.0	118.7	114.7
7.5°	156.6	156.0	155.4	152.6	150.4	146.7	141.1	135.5	130.8	129.9	122.4
10°	177.8	177.1	175.9	173.7	169.7	164.4	159.4	151.3	145.4	142.6	134.6
12.5°	199.5	200.8	199.2	194.9	190.2	185.2	178.1	170.3	164.1	161.9	149.5
15°	225.9	226.9	225.3	220.3	215.4	207.9	202.3	194.2	185.8	184.6	170.9
17.5°	255.1	254.8	251.7	247.1	242.7	236.8	228.7	221.3	211.9	209.8	193.0
20°	286.8	285.6	282.8	275.0	271.0	264.2	259.2	248.9	239.9	236.8	220.0
22.5°	318.5	317.9	315.4	308.3	303.3	297.4	290.0	280.6	274.4	268.2	249.6
25°	358.3	354.6	351.5	338.7	334.1	328.5	322.0	314.2	308.3	304.9	283.4
27.5°	398.1	395.3	388.2	378.8	369.8	360.8	358.0	351.2	349.3	346.5	322.3
30°	437.6	436.3	428.6	416.7	403.7	395.0	393.4	394.1	391.3	387.8	362.1
32.5°	482.3	479.5	470.8	455.0	441.3	431.0	431.0	435.4	437.9	434.5	407.1
35°	526.1	523.7	512.8	493.2	478.0	465.5	470.5	480.8	486.7	486.7	452.8
37.5°	572.4	566.9	555.7	535.2	514.6	505.6	511.2	528.9	537.6	537.6	503.5
40°	612.8	612.5	597.3	572.8	552.6	539.2	556.3	579.9	591.4	590.5	554.4
42.5°	653.2	652.9	638.3	611.3	585.8	579.0	600.4	633.7	652.3	652.3	606.0
45°	689.6	687.1	674.7	644.9	621.2	618.1	649.8	692.1	711.4	714.5	661.9
47.5°	716.3	714.2	703.3	674.4	652.0	657.6	695.8	749.6	775.7	775.4	719.1
50°	734.4	732.2	722.9	698.0	678.7	692.7	745.9	810.5	843.1	845.6	775.7
52.5°	739.6	738.4	733.4	712.9	700.5	724.4	792.8	872.7	909.6	911.8	837.5
55°	730.6	730.6	730.3	717.9	712.9	752.7	841.3	933.3	973.3	977.4	898.4
57.5°	709.5	710.4	716.0	712.0	719.4	775.4	882.3	987.9	1036.4	1038.9	952.8
60°	677.5	675.6	688.1	695.5	715.7	789.7	918.6	1043.0	1093.6	1094.5	1000.7
62.5°	629.0	629.9	648.0	667.5	702.3	795.6	950.7	1091.1	1142.4	1144.6	1038.0
65°	571.8	574.0	598.5	631.5	679.4	789.4	969.0	1128.1	1179.4	1176.6	1059.4
67.5°	510.0	513.1	545.1	585.2	645.2	772.0	972.1	1145.8	1194.6	1188.4	1061.3
70°	442.2	450.3	482.3	534.5	601.0	738.7	954.1	1142.7	1184.4	1178.5	1033.6
72.5°	380.7	386.6	421.7	476.1	551.6	690.5	915.8	1107.0	1144.3	1132.5	975.8
75°	319.5	328.5	361.7	419.9	498.2	630.9	850.9	1038.0	1061.0	1048.2	889.7
77.5°	267.3	275.3	308.3	364.2	439.4	568.4	765.7	933.3	952.2	939.2	781.0
80°	217.9	226.9	258.9	313.9	384.4	495.1	668.2	810.8	818.0	797.4	661.0
82.5°	182.1	186.8	216.6	265.1	330.0	427.0	568.1	680.3	680.6	656.0	537.0
85°	148.9	151.7	179.0	222.8	278.5	360.8	466.5	547.9	541.7	528.3	413.9
87.5°	120.6	123.4	147.9	187.4	234.3	301.1	380.7	431.4	416.7	406.2	321.3
90°	98.8	101.9	122.1	156.3	196.7	248.6	303.0	333.5	320.4	312.3	247.7
92.5°	80.8	83.9	101.6	130.8	166.6	203.6	240.8	255.1	246.1	236.8	186.8
95°	68.4	69.0	84.8	109.4	137.7	164.4	188.6	197.0	184.6	181.2	144.5
97.5°	56.2	58.1	70.5	92.3	115.0	137.1	149.5	153.8	142.6	135.2	110.6
100°	47.9	48.8	59.7	77.1	95.7	111.6	121.2	119.0	109.1	104.7	83.9
102.5°	41.0	42.0	50.7	66.8	81.4	92.9	97.6	94.2	84.8	82.0	65.9
105°	36.0	36.4	43.5	56.6	69.0	78.6	80.5	75.2	66.2	62.5	51.9
107.5°	32.0	32.3	37.9	49.1	59.7	66.2	66.8	60.9	52.2	49.4	41.6
110°	28.6	29.2	33.3	42.6	51.6	56.6	55.9	49.7	41.6	39.2	34.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	25.8	26.4	29.5	37.3	44.8	49.1	47.5	40.1	33.3	31.7	28.3
115°	23.6	24.2	26.7	32.9	39.5	42.6	40.1	33.3	27.3	25.5	23.6
117.5°	22.1	22.4	24.2	29.2	34.2	36.7	33.9	27.7	22.4	21.1	20.2
120°	20.5	20.8	22.4	25.8	30.1	31.4	28.6	22.7	18.6	18.0	17.7
122.5°	19.3	19.3	20.5	23.0	26.1	27.0	24.2	19.0	15.8	15.2	15.5
125°	18.0	18.0	18.6	20.5	22.7	23.3	20.2	15.8	13.4	13.1	13.7
127.5°	16.8	16.8	17.1	18.3	19.6	19.6	16.8	13.1	11.5	11.2	12.1
130°	15.5	15.5	15.5	16.2	16.8	16.5	13.7	10.9	9.9	9.9	10.6
132.5°	14.3	14.3	14.3	14.3	14.0	13.4	11.2	8.7	8.7	8.7	9.3
135°	12.7	12.7	12.7	12.4	11.8	10.9	8.7	7.1	7.1	7.5	8.1
137.5°	11.5	11.5	11.2	10.6	9.6	8.4	6.8	5.6	6.2	6.2	6.8
140°	9.9	9.9	9.6	8.7	7.5	6.2	5.0	4.7	5.0	5.3	5.9
142.5°	8.4	8.4	8.1	7.1	5.9	4.4	3.4	3.4	4.0	4.0	4.7
145°	6.8	6.8	6.5	5.6	4.0	2.8	2.2	2.5	3.1	3.1	3.4
147.5°	5.3	5.3	5.0	4.0	2.8	1.9	1.2	1.9	2.2	2.2	2.5
150°	3.7	3.7	3.4	2.8	1.9	0.9	0.6	0.9	1.2	1.6	1.6
152.5°	2.5	2.5	2.2	1.9	0.9	0.3	0.6	0.9	0.9	0.9	1.2
155°	1.6	1.2	1.2	0.9	0.3	0.0	0.3	0.6	0.6	0.6	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.3	0.3	0.6	0.6
160°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
162.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
165°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
172.5°	0.0	0.3	0.3	0.6	0.3	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8
2.5°	108.5	107.2	105.4	103.5	101.6	100.4	99.1	98.5	97.6	96.7	96.7
5°	112.2	109.7	105.4	101.0	97.0	93.5	90.1	88.3	87.0	85.8	86.1
7.5°	119.0	115.3	108.1	101.0	94.5	88.9	84.2	80.5	78.0	76.5	76.8
10°	128.7	124.6	113.7	103.5	94.2	86.1	79.6	74.3	71.2	69.6	69.6
12.5°	143.9	137.1	122.8	108.1	95.7	84.8	76.5	70.2	65.9	64.0	63.7
15°	162.2	152.6	135.2	117.2	99.4	84.8	74.0	69.6	66.8	65.6	65.3
17.5°	184.0	173.4	149.5	125.6	104.4	86.7	77.4	72.1	69.0	67.7	67.4
20°	207.6	195.2	165.0	136.1	109.4	92.3	80.8	74.3	70.9	69.6	69.6
22.5°	236.5	220.0	181.8	145.4	115.6	97.0	84.2	76.1	73.0	71.8	71.5
25°	266.3	247.7	201.7	155.4	122.4	100.7	86.7	78.0	74.9	73.7	74.0
27.5°	301.4	277.5	221.3	165.3	128.3	102.9	87.9	79.6	76.5	75.5	75.8
30°	338.1	308.0	238.7	175.6	132.4	104.4	88.9	80.8	77.4	76.8	76.8
32.5°	377.0	342.8	256.7	184.6	134.9	104.7	88.9	81.4	78.0	77.7	78.0
35°	416.7	376.3	274.1	191.7	136.1	104.4	88.6	82.0	78.0	78.0	78.0
37.5°	460.9	409.3	288.7	196.7	136.4	103.5	88.3	81.7	78.0	78.0	78.3
40°	506.2	444.4	304.9	200.8	136.1	102.9	87.9	81.7	78.0	78.0	78.3
42.5°	551.3	477.0	320.1	203.2	135.5	102.2	87.6	81.7	78.0	77.4	77.7
45°	600.1	515.0	334.7	204.8	134.9	101.9	87.6	81.4	78.0	76.8	77.1
47.5°	645.5	550.1	346.5	206.7	134.6	101.9	87.9	81.4	77.7	76.5	76.5
50°	696.8	586.4	358.6	207.3	133.9	101.9	87.9	81.4	77.4	75.5	75.8
52.5°	747.4	623.1	370.4	208.5	133.9	102.2	88.3	81.4	77.1	74.6	74.6
55°	795.9	655.7	381.0	209.5	133.9	102.9	89.2	81.4	76.8	73.7	73.7
57.5°	840.3	689.3	391.6	209.8	133.9	103.5	89.2	81.7	76.5	72.7	72.7
60°	879.8	718.2	399.0	210.1	133.6	104.1	89.8	81.4	76.1	71.8	71.8
62.5°	907.8	740.3	402.8	209.2	133.6	104.1	90.1	81.4	75.8	71.5	71.2
65°	923.6	748.0	400.6	206.4	133.0	104.1	89.8	81.1	75.2	70.9	70.5
67.5°	918.3	739.6	391.3	202.0	131.5	103.8	89.8	80.5	75.2	70.5	69.9
70°	889.7	714.5	373.5	195.5	129.3	102.6	88.6	79.6	74.6	70.2	69.6
72.5°	833.8	663.8	347.8	185.2	125.6	100.7	87.0	78.0	73.3	69.3	68.4
75°	756.1	603.5	316.4	174.7	120.9	98.2	85.2	76.5	71.8	68.1	67.1
77.5°	656.4	523.0	281.6	161.0	115.0	94.8	82.7	74.0	69.6	66.2	65.0
80°	552.9	440.7	244.0	146.7	108.8	90.4	78.9	70.9	66.8	63.7	62.2
82.5°	447.5	362.1	208.8	133.0	101.6	85.5	75.2	67.4	63.7	60.3	58.7
85°	353.0	286.2	175.0	118.7	94.2	80.5	70.9	63.4	60.0	56.2	54.7
87.5°	274.7	227.2	146.4	105.7	86.1	74.9	66.2	59.4	55.3	51.9	50.7
90°	214.1	179.0	122.4	93.2	78.9	69.3	61.2	55.0	51.0	47.5	46.0
92.5°	163.2	141.7	102.6	82.4	71.8	63.7	56.6	50.7	46.6	42.9	41.3
95°	127.7	112.5	86.7	72.4	64.6	57.8	51.9	46.3	42.0	37.9	37.0
97.5°	99.1	90.1	73.0	63.4	58.4	52.2	46.9	42.0	37.6	33.6	32.6
100°	78.3	71.8	61.8	56.2	51.9	46.9	42.3	37.9	33.3	28.9	28.6
102.5°	61.8	59.0	52.5	49.4	46.0	42.3	38.2	33.6	28.9	24.9	24.6
105°	50.7	48.2	45.1	43.2	41.0	37.6	33.9	29.8	25.2	21.4	21.4
107.5°	41.0	39.8	38.2	37.9	36.4	33.6	30.5	26.4	21.8	18.6	18.6
110°	33.6	33.3	33.3	33.3	32.3	30.1	27.0	23.0	18.3	16.2	16.2



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.3	28.3	28.6	29.2	28.6	26.4	23.6	19.9	15.8	14.0	14.0
115°	23.9	24.2	25.2	25.5	25.2	23.6	20.8	17.1	13.4	12.1	12.4
117.5°	20.8	20.8	22.1	22.7	22.4	20.8	18.0	14.6	11.5	10.9	10.9
120°	18.0	18.6	19.6	19.9	19.6	18.0	15.8	12.4	9.9	9.6	9.6
122.5°	15.8	16.2	17.1	17.7	17.1	15.8	13.4	10.6	8.4	8.4	8.7
125°	14.0	14.3	14.9	15.5	14.9	13.4	11.5	8.7	7.5	7.5	7.5
127.5°	12.4	12.7	13.4	13.4	12.7	11.5	9.6	7.5	6.2	6.5	6.5
130°	10.9	11.2	11.5	11.5	11.2	9.9	8.1	6.2	5.6	5.9	5.9
132.5°	9.6	9.9	9.9	9.9	9.3	8.4	6.8	5.3	5.0	5.3	5.3
135°	8.4	8.4	8.7	8.4	7.8	6.8	5.3	4.4	4.4	4.7	4.7
137.5°	7.1	7.5	7.5	6.8	6.2	5.3	4.4	3.7	3.7	4.0	4.0
140°	5.9	6.2	5.9	5.6	5.0	4.4	3.4	2.8	3.1	3.4	3.4
142.5°	5.0	5.0	5.0	4.4	3.7	3.1	2.5	2.5	2.8	2.8	3.1
145°	3.7	3.7	3.7	3.4	2.8	2.2	1.9	1.9	2.2	2.5	2.5
147.5°	2.8	2.8	2.8	2.5	1.9	1.6	1.2	1.6	1.9	2.2	1.9
150°	1.9	1.9	1.9	1.6	1.2	0.9	0.9	1.2	1.6	1.6	1.6
152.5°	1.2	1.2	1.2	1.2	0.9	0.3	0.6	0.9	1.2	1.2	1.2
155°	0.9	0.9	0.9	0.9	0.6	0.0	0.3	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.3	0.6	0.6	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.0
165°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
170°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)