

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: P414819

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2651 lumens  
Efficiency: N/A  
Efficacy: 85.5 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 - G2

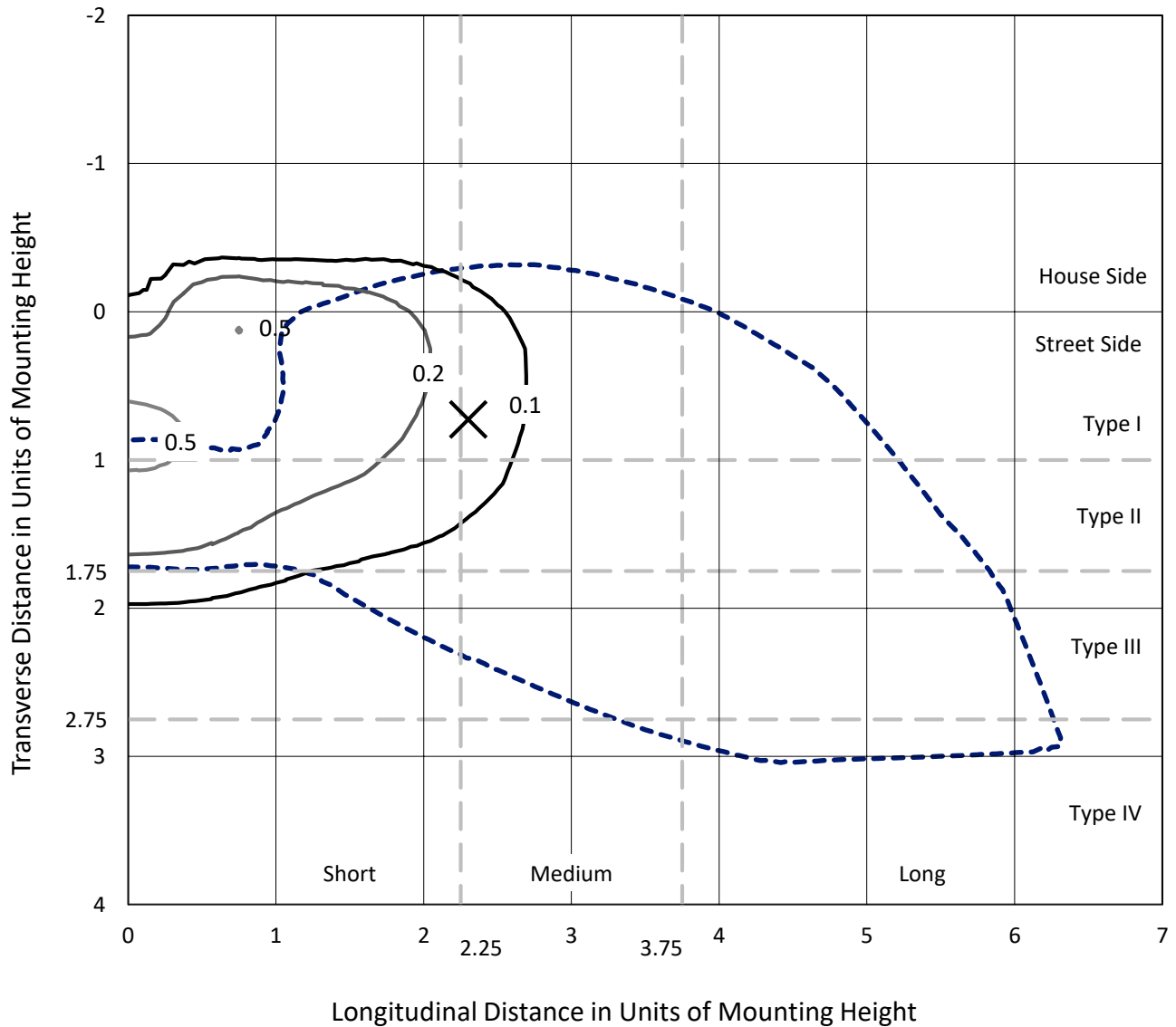
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

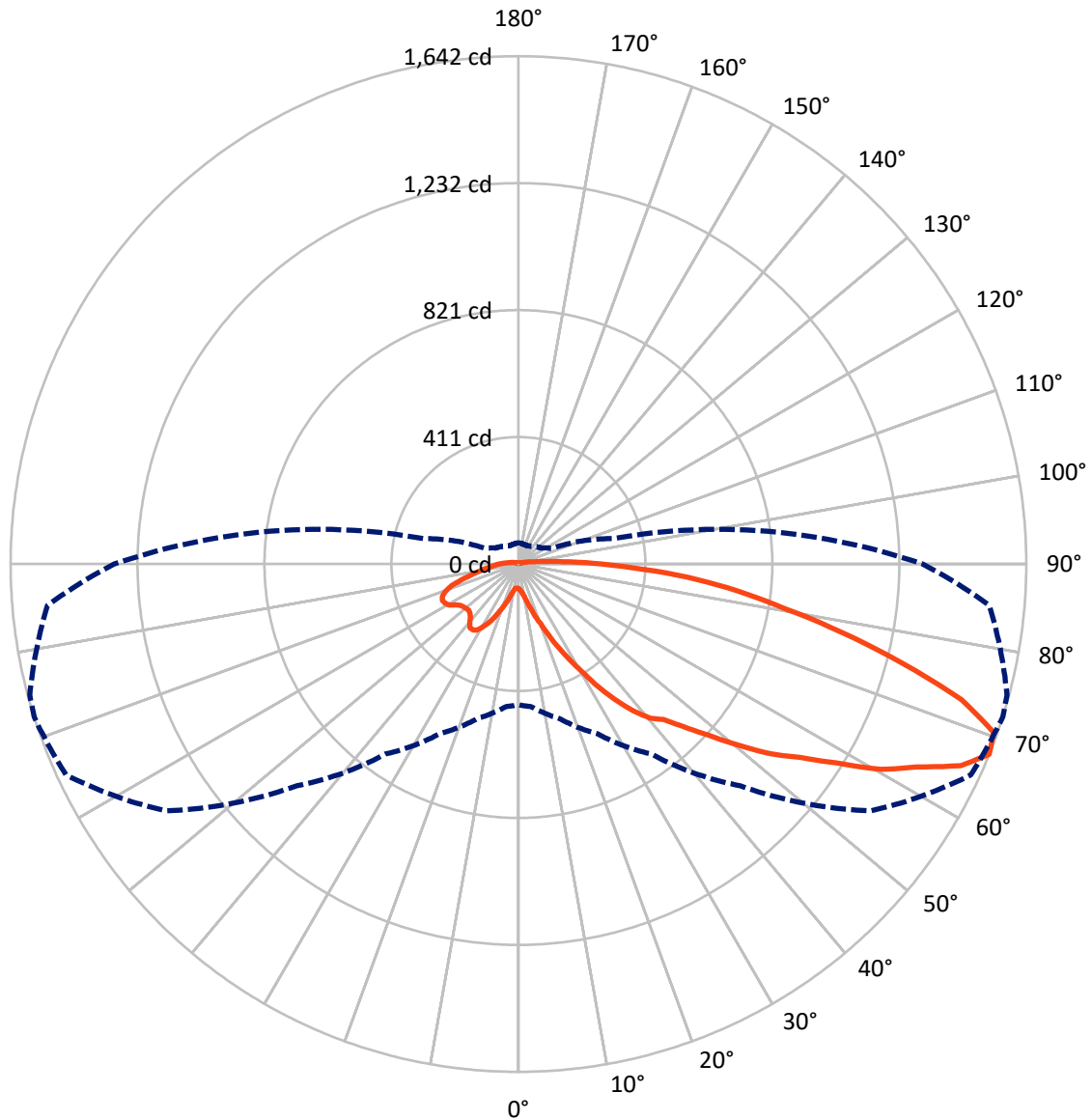
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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
<b>House Side</b>	Lumens	463.8	40.8	504.6
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	2088.7	57.7	2146.4
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	2552.6	98.4	2651.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.3
10°-20°	35.8	1.3
20°-30°	99.1	3.7
30°-40°	213.2	8.0
40°-50°	360.8	13.6
50°-60°	529.4	20.0
60°-70°	631.4	23.8
70°-80°	471.5	17.8
80°-90°	203.1	7.7
90°-100°	58.9	2.2
100°-110°	19.2	0.7
110°-120°	9.0	0.3
120°-130°	5.5	0.2
130°-140°	3.5	0.1
140°-150°	1.6	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2552.6	96.3
0°-180°	2651.0	100.0

**Coefficient of Utilization**



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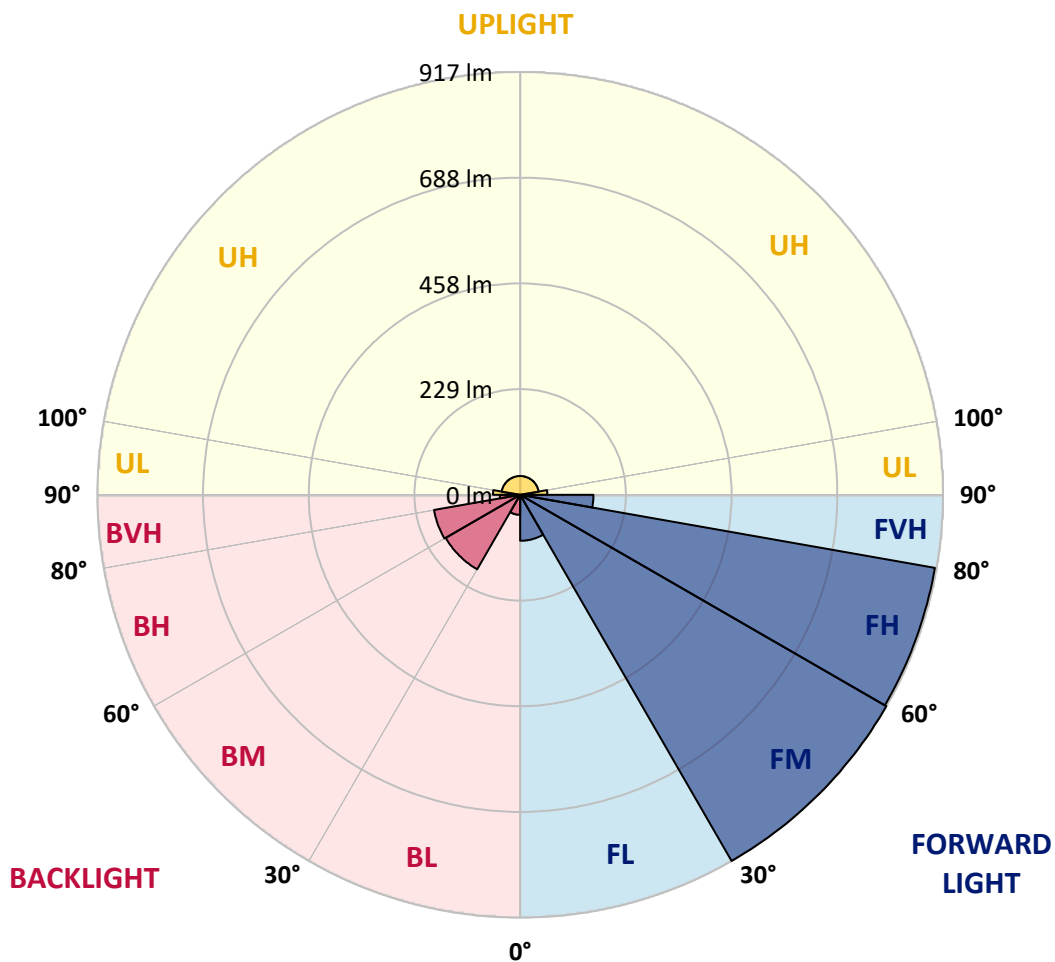
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-SL3-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.8	3.8			
FM (30°-60°)	916.9	34.6			
FH (60°-80°)	913.2	34.4			G1/1800
FVH (80°-90°)	158.8	6.0			G2/225
BL (0°-30°)	43.5	1.6	B0/110		
BM (30°-60°)	186.5	7.0	B0/220		
BH (60°-80°)	189.6	7.2	B1/500		G1/500
BVH (80°-90°)	44.2	1.7			G1/100
UL (90°-100°)	58.9	2.2		U3/500	
UH (100°-180°)	40.8	1.5		U2/50	

**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°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	87.0	87.6	88.3	88.0	87.6	86.7	85.2	83.6	82.1	82.1	80.8
5°	99.5	99.1	98.8	99.1	97.6	95.4	92.9	90.1	88.0	87.3	84.2
7.5°	113.8	113.1	113.8	111.9	109.7	106.9	103.2	99.5	95.7	95.1	90.1
10°	130.9	130.2	129.9	128.4	124.3	120.3	116.6	110.6	107.9	106.9	100.4
12.5°	152.3	152.0	150.1	147.0	141.7	137.7	132.4	129.3	126.5	124.3	117.8
15°	176.9	177.5	175.3	168.8	162.2	156.0	153.5	151.1	148.9	147.9	142.4
17.5°	211.4	210.1	205.1	195.2	184.6	179.7	177.5	175.9	178.1	177.5	168.8
20°	253.9	250.8	243.1	226.0	212.9	204.8	203.0	205.8	207.0	210.1	204.2
22.5°	304.0	299.9	286.9	267.6	248.7	233.4	231.6	239.9	247.7	248.7	246.2
25°	352.8	349.0	337.5	312.4	286.9	266.7	262.3	281.0	296.5	299.3	302.7
27.5°	402.8	401.0	384.2	356.8	328.8	303.4	302.7	322.9	347.2	353.7	359.6
30°	459.7	464.0	442.9	408.4	373.3	343.8	342.2	372.0	401.9	415.9	425.8
32.5°	539.9	536.2	509.7	471.2	419.0	384.5	386.7	421.5	471.8	483.6	496.7
35°	631.9	633.1	597.1	537.1	475.5	433.0	431.4	479.9	538.3	548.3	570.0
37.5°	707.4	713.6	686.9	617.9	539.0	483.9	486.1	540.5	602.0	621.9	640.9
40°	788.5	794.1	763.0	695.9	608.0	540.2	543.3	596.1	654.9	671.0	675.7
42.5°	877.1	882.7	845.1	765.5	666.1	608.0	595.8	636.2	687.5	707.7	711.8
45°	960.1	969.7	931.8	838.3	731.0	668.9	650.5	683.2	750.3	769.0	773.3
47.5°	985.6	997.1	980.6	904.2	793.2	721.4	709.3	754.7	827.1	854.7	849.1
50°	1010.1	1020.7	1010.8	943.0	844.8	782.3	785.1	838.0	920.0	955.4	951.1
52.5°	1013.9	1024.8	1014.5	966.9	888.9	843.9	874.9	937.4	1018.8	1044.6	1038.4
55°	1020.1	1027.2	1017.9	964.1	920.9	909.4	968.2	1039.4	1104.0	1134.8	1124.5
57.5°	933.7	936.5	970.4	956.1	927.8	982.2	1073.2	1137.6	1213.7	1259.7	1254.4
60°	809.4	815.3	857.2	890.2	923.1	1034.1	1176.4	1273.7	1348.3	1378.5	1349.9
62.5°	707.1	713.6	757.8	800.0	883.6	1057.1	1284.3	1395.6	1444.7	1472.0	1438.1
65°	569.7	574.7	628.5	711.5	819.3	1048.1	1365.1	1522.4	1571.8	1582.7	1517.1
67.5°	455.3	462.8	517.5	606.1	750.3	1013.9	1391.5	1613.7	1642.3	1635.8	1528.6
70°	338.8	342.5	409.3	521.9	668.6	939.3	1366.3	1634.3	1629.9	1621.5	1474.5
72.5°	233.4	232.8	295.6	405.3	583.4	854.1	1249.2	1518.3	1497.8	1476.1	1289.9
75°	150.7	159.1	198.3	294.7	471.8	731.0	1097.5	1318.5	1283.7	1249.2	1062.7
77.5°	101.6	107.5	139.2	211.0	360.5	614.8	944.6	1132.3	1074.2	1042.8	857.8
80°	69.9	72.4	96.7	155.1	268.2	487.7	773.6	937.1	873.7	836.4	665.8
82.5°	49.1	51.0	67.4	114.4	202.0	364.3	617.6	779.5	713.0	686.0	517.2
85°	35.4	36.7	48.5	85.2	153.5	273.5	470.0	606.4	548.6	527.8	369.6
87.5°	26.4	27.7	36.7	63.1	118.1	207.9	350.6	434.2	372.0	345.0	233.4
90°	19.6	20.8	28.3	47.2	92.3	156.7	253.9	296.8	241.5	218.8	148.9
92.5°	14.6	15.5	21.1	34.5	70.6	120.0	179.0	187.7	143.0	130.2	93.9
95°	10.9	11.5	15.9	25.2	50.4	87.3	117.2	109.7	84.2	76.5	59.4
97.5°	9.0	9.3	12.4	19.3	35.4	61.2	75.2	67.4	54.4	50.7	41.0
100°	7.5	7.8	9.9	14.6	25.8	42.0	49.7	43.8	37.9	36.4	32.0
102.5°	6.5	6.8	8.4	12.1	19.3	30.1	34.5	31.4	28.0	26.7	24.9
105°	5.9	5.9	7.5	10.3	15.9	22.7	25.2	23.0	20.8	20.2	19.9
107.5°	5.3	5.3	6.5	9.0	13.1	17.7	19.0	17.1	15.2	14.9	15.9
110°	5.0	5.0	5.9	8.1	11.2	14.6	14.9	12.7	11.5	11.5	12.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.7	4.7	5.6	7.1	9.9	12.1	11.8	9.9	9.0	9.0	10.6
115°	4.7	4.7	5.3	6.8	8.7	10.3	9.6	8.1	7.5	7.5	9.0
117.5°	4.7	5.0	5.3	6.5	8.1	9.0	8.4	6.8	6.5	6.5	8.1
120°	5.0	5.0	5.3	6.5	7.5	7.8	7.1	5.9	5.6	5.9	7.5
122.5°	5.0	5.0	5.6	6.5	7.1	7.1	6.2	5.3	5.3	5.3	6.8
125°	5.3	5.3	5.6	6.5	6.8	6.5	5.6	5.0	5.0	5.3	6.2
127.5°	5.6	5.6	5.9	6.5	6.5	5.9	5.3	4.7	4.7	5.0	6.2
130°	6.2	6.2	6.2	6.5	5.9	5.3	4.7	4.4	4.7	5.0	6.2
132.5°	6.2	6.2	6.2	6.2	5.6	4.7	4.4	4.0	4.7	5.0	5.9
135°	5.6	5.6	5.6	5.6	5.0	4.0	3.7	3.7	4.4	4.7	5.6
137.5°	5.0	5.0	5.0	4.7	4.4	3.7	3.1	3.1	3.7	4.0	5.0
140°	4.4	4.4	4.0	4.0	3.7	3.1	2.8	2.8	3.1	3.4	4.0
142.5°	3.4	3.4	3.4	3.4	3.1	2.5	2.2	2.2	2.8	3.1	3.4
145°	2.8	2.8	2.8	2.8	2.5	2.2	1.9	1.9	2.2	2.5	2.8
147.5°	2.2	2.2	2.5	2.5	2.2	1.9	1.2	1.6	1.9	1.9	2.2
150°	1.9	1.9	1.9	2.2	1.6	1.2	0.9	1.2	1.6	1.6	1.9
152.5°	1.6	1.6	1.6	1.6	1.2	0.6	0.9	1.2	1.2	1.6	1.6
155°	0.9	0.9	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.2	1.6
157.5°	0.6	0.6	0.9	0.9	0.9	0.6	0.6	0.9	0.9	0.9	1.2
160°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
162.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
165°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
167.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
170°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
172.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
175°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
177.5°	0.0	0.3	0.6	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.9
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	79.9	79.3	78.0	76.8	75.5	74.3	74.0	73.4	73.0	72.7	73.0
5°	83.0	81.1	78.3	75.5	73.0	70.9	69.3	67.8	66.5	65.9	65.9
7.5°	88.6	85.5	80.8	76.1	71.8	68.1	65.6	63.4	61.9	61.2	60.9
10°	97.3	93.6	86.7	79.3	72.7	67.1	63.4	60.9	59.4	58.4	58.4
12.5°	112.5	108.2	97.3	85.8	75.2	67.4	62.5	60.0	58.4	58.1	58.4
15°	136.4	129.6	113.8	97.3	81.1	68.1	61.9	60.9	61.5	61.9	61.9
17.5°	164.4	155.1	134.9	110.0	87.6	70.9	64.3	63.7	64.6	65.6	66.2
20°	195.8	183.7	154.5	122.2	92.0	74.9	66.8	65.6	67.8	69.6	69.3
22.5°	235.6	221.0	179.3	131.5	95.1	75.8	67.8	66.5	70.2	72.4	73.0
25°	287.8	267.0	208.6	141.4	97.0	74.6	67.1	67.4	73.0	77.4	78.3
27.5°	344.7	314.5	235.6	149.5	97.0	71.5	66.2	69.9	77.7	83.3	83.9
30°	406.9	364.9	259.2	155.7	94.2	68.4	65.3	71.2	78.9	84.9	85.5
32.5°	473.1	417.1	283.8	157.9	90.1	65.9	64.3	70.2	76.8	82.1	83.3
35°	531.8	463.7	293.4	154.8	84.5	64.0	62.2	67.1	73.7	80.2	80.5
37.5°	593.0	508.2	297.8	146.1	78.9	62.2	60.3	65.0	72.7	80.5	81.4
40°	619.1	519.7	285.3	134.0	73.7	60.9	59.4	64.6	73.0	80.8	82.1
42.5°	645.9	530.9	270.1	116.6	70.2	60.6	60.3	64.6	71.5	77.7	78.6
45°	691.6	555.7	263.3	104.7	68.4	61.5	61.2	63.7	68.7	74.3	76.1
47.5°	756.8	593.3	259.8	97.3	68.4	63.1	62.2	62.8	65.9	70.9	72.4
50°	840.4	645.6	264.2	93.2	69.9	65.3	63.4	62.5	63.7	69.0	70.9
52.5°	910.7	695.6	269.5	92.6	72.4	68.1	65.3	62.5	63.4	69.6	71.8
55°	984.3	743.2	275.4	94.2	75.5	70.2	66.5	63.1	63.7	69.6	72.1
57.5°	1091.3	824.0	290.6	97.6	78.6	72.7	68.1	64.0	63.4	68.1	69.9
60°	1188.9	901.1	313.3	104.1	82.4	75.2	69.6	64.6	63.1	66.2	67.4
62.5°	1247.9	942.7	322.0	110.3	86.1	77.4	70.2	64.6	64.0	66.8	67.8
65°	1308.8	982.5	325.4	115.3	88.3	78.6	70.2	65.3	65.3	67.1	67.4
67.5°	1306.7	973.8	317.3	117.8	90.1	79.3	70.2	65.3	65.9	67.8	68.1
70°	1249.5	923.7	297.1	117.5	89.8	78.3	69.0	65.0	67.4	69.6	69.9
72.5°	1081.6	794.1	264.5	113.8	87.0	75.8	67.1	64.3	68.1	71.2	71.2
75°	887.4	646.8	218.5	106.6	83.6	72.7	64.3	62.2	66.8	71.2	71.2
77.5°	699.0	506.3	177.2	97.3	78.6	69.0	60.9	58.4	63.7	67.8	67.4
80°	543.0	383.9	142.4	88.0	73.0	65.0	56.9	54.1	58.7	61.5	60.9
82.5°	416.5	295.6	117.5	79.3	67.4	60.3	52.8	50.4	54.7	56.6	55.9
85°	284.4	211.7	96.4	69.6	60.3	54.7	48.8	46.9	51.9	54.1	53.5
87.5°	187.7	145.5	80.5	61.2	53.1	49.1	44.1	43.5	49.1	51.3	51.0
90°	124.0	101.6	68.4	53.1	46.3	42.9	39.8	39.8	44.8	46.6	45.4
92.5°	81.7	72.1	54.1	45.1	39.5	37.3	35.4	35.1	39.5	40.1	39.2
95°	55.6	50.7	42.3	37.3	33.3	32.0	30.5	31.1	33.9	33.3	32.3
97.5°	39.8	38.5	34.2	30.5	27.7	27.4	26.7	27.0	28.6	27.4	26.7
100°	31.7	30.8	28.3	25.5	23.6	23.3	23.0	23.3	24.2	23.0	22.4
102.5°	25.5	25.5	23.6	21.4	19.9	20.2	20.2	20.2	20.5	18.6	18.6
105°	20.5	20.5	19.9	18.0	17.1	17.1	17.4	17.4	17.4	16.2	16.2
107.5°	16.5	17.1	16.8	15.2	14.6	14.9	14.9	14.6	14.6	14.0	14.0
110°	13.4	14.0	14.0	13.1	12.7	13.1	12.7	12.4	12.1	12.1	12.1



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.2	11.8	12.1	11.5	11.2	11.2	10.9	10.6	10.6	10.9	10.9
115°	9.6	10.3	10.6	9.9	9.9	9.9	9.3	9.0	9.0	9.6	9.6
117.5°	8.7	9.0	9.3	9.0	8.7	8.7	8.4	7.8	7.8	8.4	8.7
120°	7.8	8.1	8.4	8.1	7.8	7.5	7.1	6.8	6.8	7.8	7.8
122.5°	7.1	7.5	7.5	7.1	6.8	6.8	6.5	6.2	6.2	6.8	7.1
125°	6.8	6.8	6.8	6.5	6.2	5.9	5.6	5.6	5.6	6.2	6.2
127.5°	6.5	6.5	6.2	5.9	5.6	5.3	5.3	5.0	5.0	5.6	5.9
130°	6.5	6.5	5.9	5.6	5.3	4.7	4.7	4.4	4.7	5.3	5.3
132.5°	6.2	6.2	5.6	5.3	4.7	4.4	4.0	4.0	4.0	4.7	5.0
135°	5.9	5.6	5.0	4.7	4.0	3.7	3.7	3.7	3.7	4.4	4.4
137.5°	5.3	5.0	4.4	4.0	3.7	3.4	3.1	3.1	3.4	3.7	4.0
140°	4.4	4.4	3.7	3.4	3.1	2.8	2.8	2.8	3.1	3.4	3.4
142.5°	3.7	3.7	3.1	2.8	2.5	2.2	2.5	2.5	2.8	3.1	3.1
145°	3.1	2.8	2.8	2.2	2.2	1.9	1.9	2.2	2.5	2.8	2.8
147.5°	2.5	2.5	2.2	1.9	1.6	1.6	1.6	1.9	2.2	2.2	2.5
150°	2.2	2.2	1.9	1.9	1.2	0.9	1.2	1.9	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.6	1.2	0.6	0.9	1.6	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.2	0.9	0.3	0.9	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	0.6	0.3	0.6	0.9	0.9	0.9	1.2
160°	0.9	0.9	0.9	0.9	0.6	0.3	0.6	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.9	0.6	0.6	0.6
165°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
167.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
170°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
172.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
175°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
177.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.3	0.3
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)