

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: P254694

Luminaire Tested: **LXF.LXT-AF24-80-D-U-SL3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-80-D-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7616.8 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

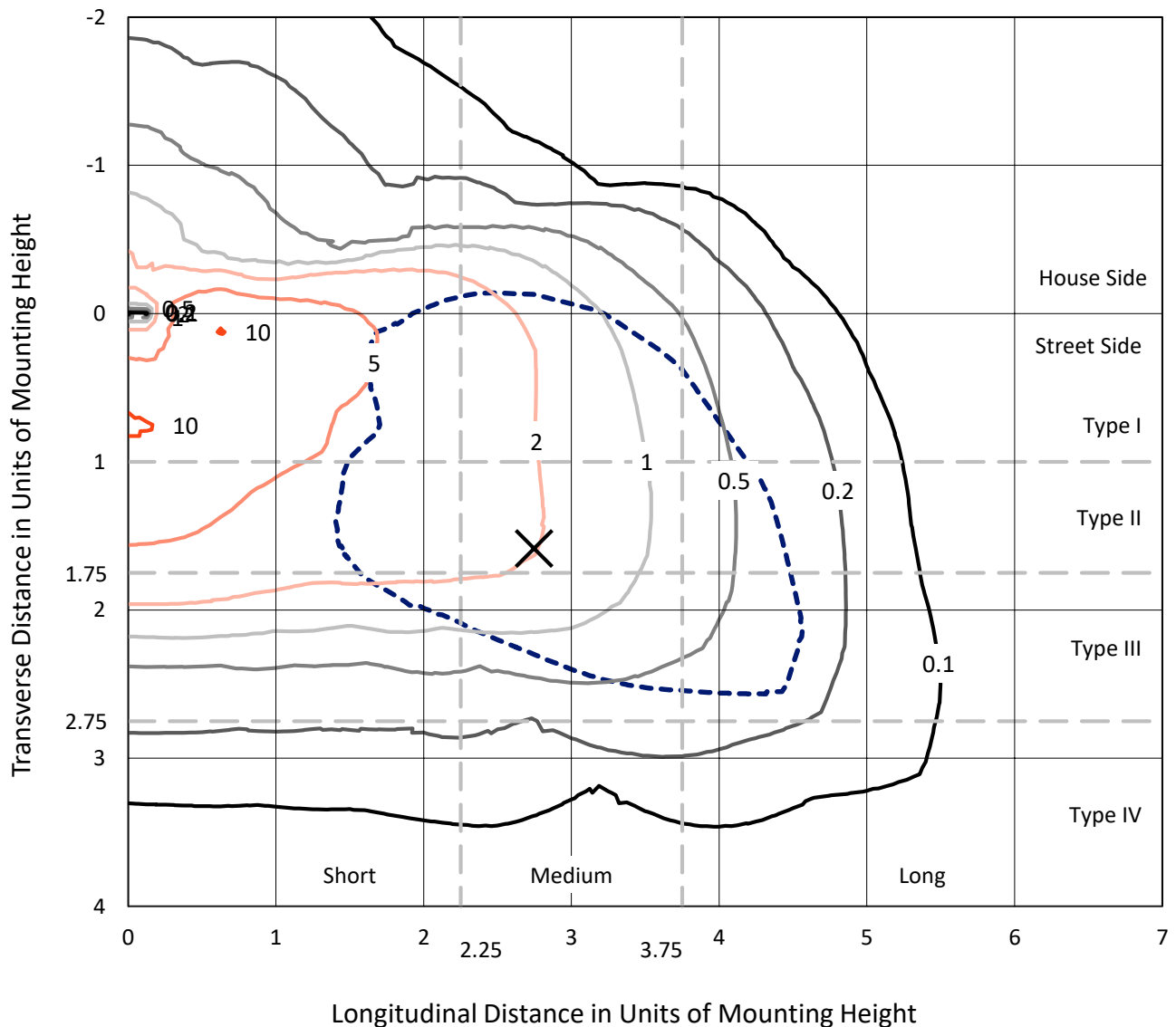
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

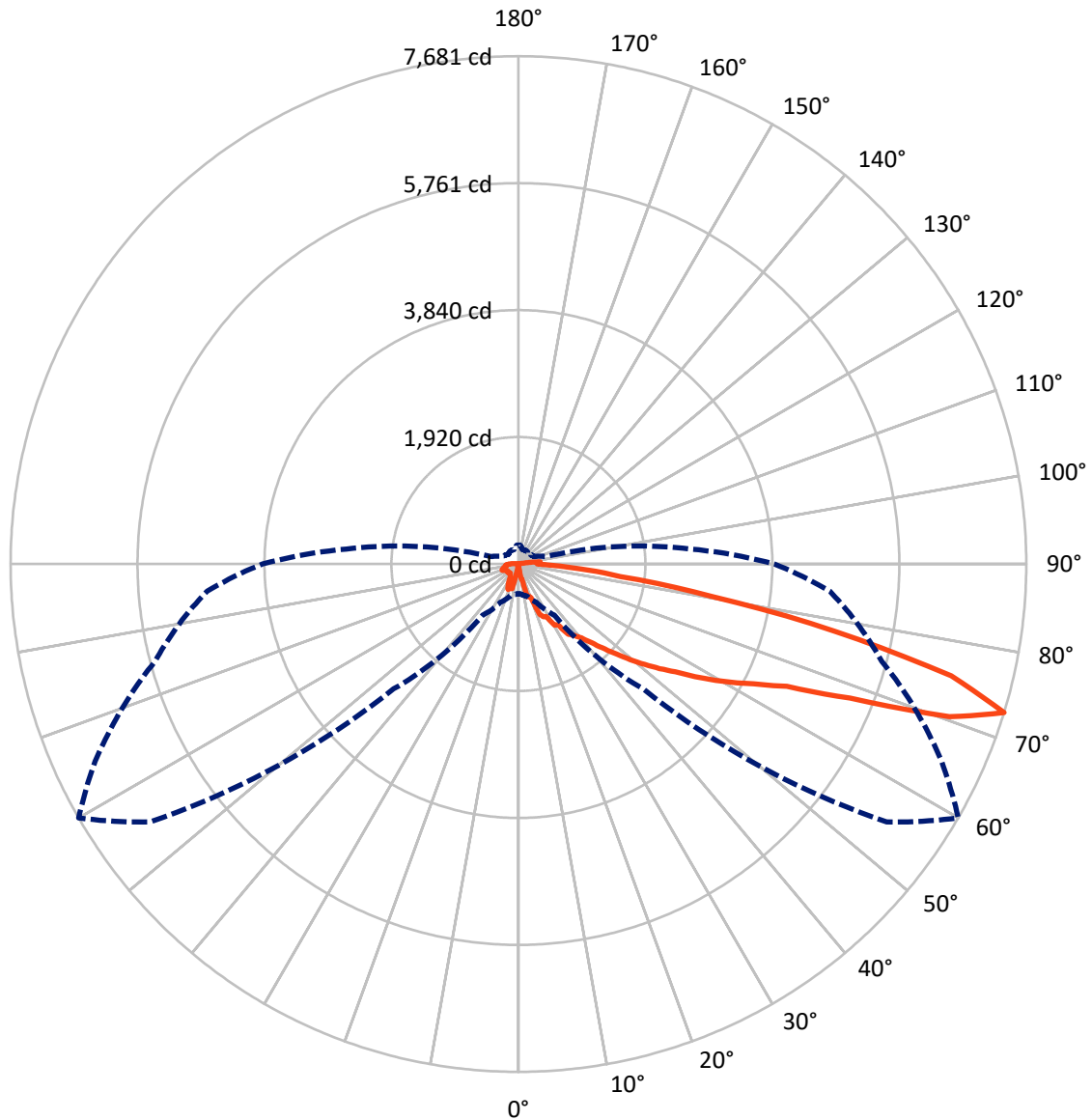
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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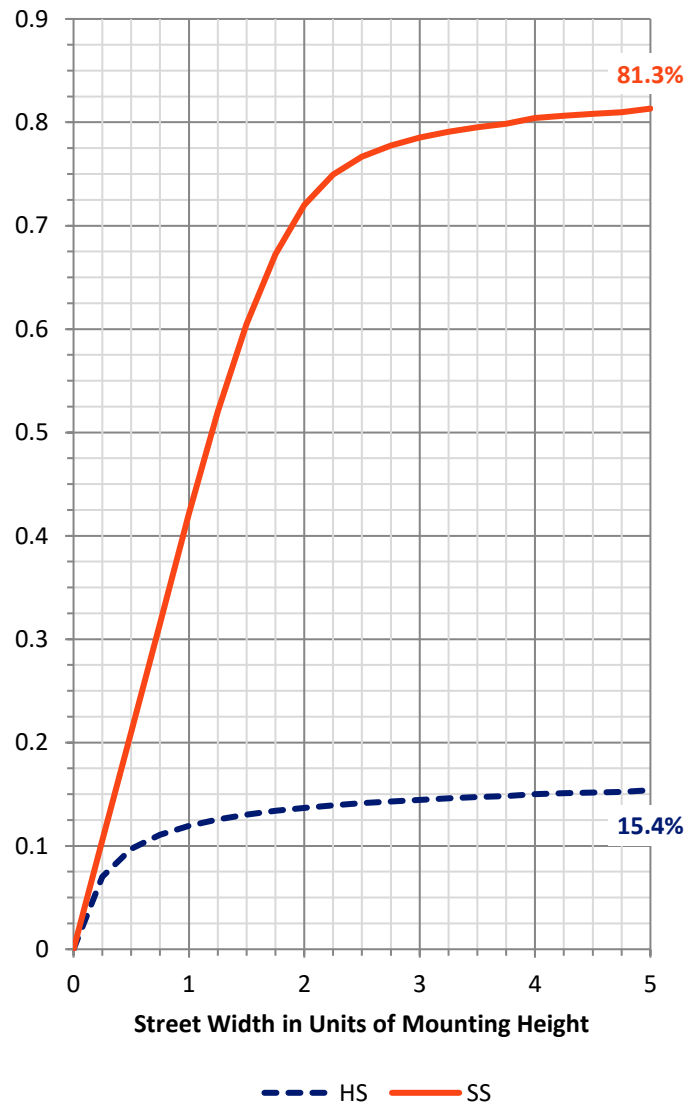
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1236.0	49.6	1285.6
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	6267.8	63.4	6331.2
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	7503.8	113.0	7616.8
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	102.1	1.3
20°-30°	299.5	3.9
30°-40°	596.6	7.8
40°-50°	1025.6	13.5
50°-60°	1569.1	20.6
60°-70°	1977.9	26.0
70°-80°	1574.4	20.7
80°-90°	350.2	4.6
90°-100°	98.4	1.3
100°-110°	9.7	0.1
110°-120°	1.9	0.0
120°-130°	1.4	0.0
130°-140°	0.6	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7503.8	98.5
0°-180°	7616.8	100.0

**Coefficient of Utilization**



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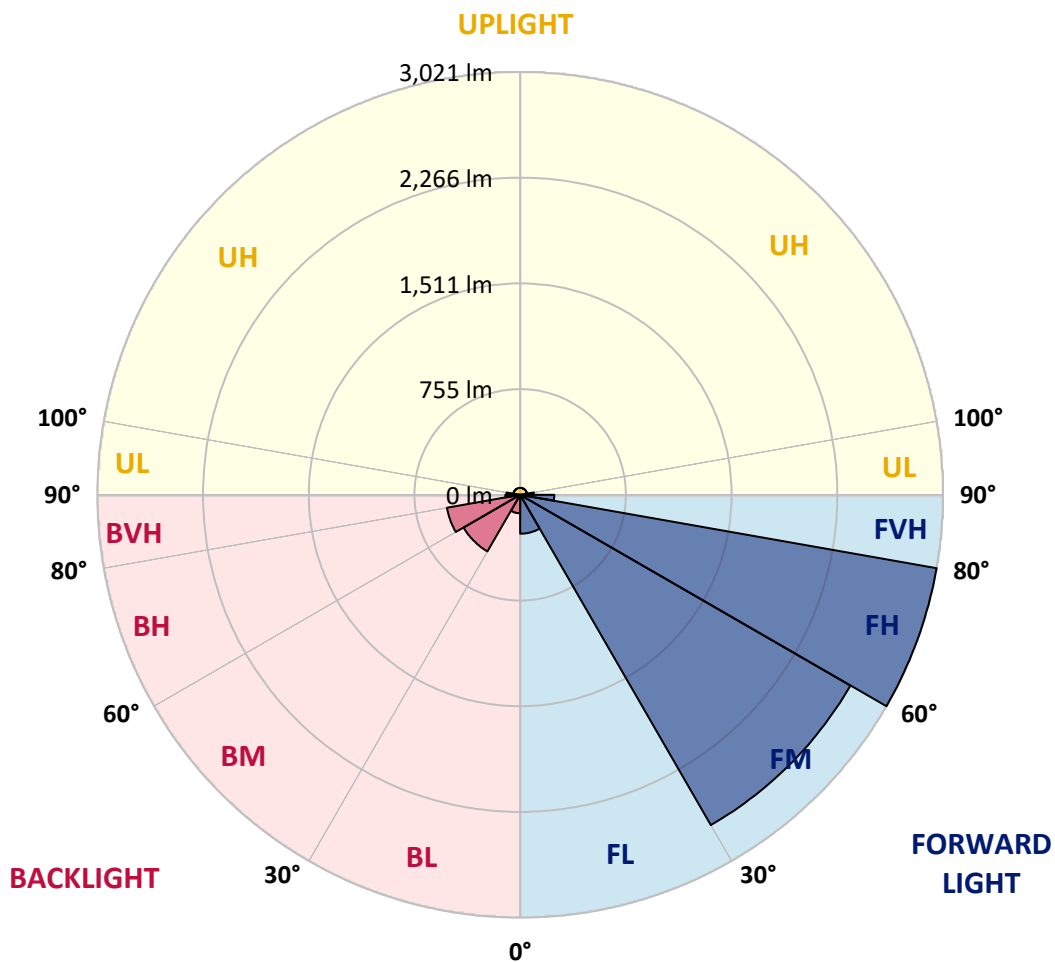
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.2	3.7			
FM	(30°-60°)	2724.8	35.8			
FH	(60°-80°)	3021.2	39.7			G2/5000
FVH	(80°-90°)	243.6	3.2			G3/500
BL	(0°-30°)	131.8	1.7	B1/500		
BM	(30°-60°)	466.6	6.1	B1/1000		
BH	(60°-80°)	531.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	106.6	1.4			G2/225
UL	(90°-100°)	98.4	1.3		U3/500	
UH	(100°-180°)	49.6	0.7		U2/50	

**BUG Rating: B2-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.8	4.7	3.8	4.7	4.7	3.8	2.8	3.8	3.8	3.8	2.8
5°	233.3	236.1	210.8	164.9	31.8	22.5	7.5	4.7	4.7	3.8	3.8
7.5°	235.2	237.0	247.3	243.7	248.3	237.0	82.4	24.3	10.3	4.7	3.8
10°	253.0	252.1	249.3	254.9	253.9	241.7	233.3	223.0	50.6	6.5	5.6
12.5°	488.2	490.1	477.9	386.1	268.9	249.3	240.8	233.3	190.2	135.8	315.8
15°	491.9	489.2	476.0	496.6	489.2	285.8	400.1	510.7	514.4	382.3	439.5
17.5°	517.2	510.7	494.8	480.7	477.9	570.6	536.9	508.8	518.2	445.1	476.0
20°	703.7	697.1	688.8	671.9	511.6	651.2	649.4	542.6	547.2	888.3	865.8
22.5°	714.9	703.7	697.1	687.7	765.6	640.0	770.3	825.5	828.4	942.6	913.6
25°	950.1	946.4	887.4	714.9	763.6	728.0	883.6	885.5	866.7	991.3	1088.8
27.5°	1052.3	1022.3	967.9	936.1	786.1	869.6	881.8	895.8	1126.3	1343.7	1310.9
30°	1414.0	1374.6	1080.4	1052.3	931.4	882.7	1017.6	1071.0	1164.7	1349.4	1357.8
32.5°	1632.3	1578.9	1430.8	1310.9	1104.8	970.8	1088.8	1096.3	1173.1	1681.9	1716.6
35°	2017.5	1947.2	1603.3	1459.9	1290.2	1156.3	1128.2	1304.4	1409.3	1756.0	1777.6
37.5°	2092.3	2092.3	1994.0	1740.0	1480.5	1297.8	1327.8	1369.9	1477.7	1890.9	1881.5
40°	2166.4	2174.9	2193.6	1978.1	1686.6	1504.9	1461.8	1468.3	1569.5	2045.5	2005.3
42.5°	2350.0	2343.5	2374.5	2161.7	1964.1	1735.3	1664.1	1628.5	1701.7	2245.2	2161.7
45°	2667.8	2667.8	2644.3	2354.7	2173.9	1965.9	1898.4	1832.8	1859.1	2441.0	2376.3
47.5°	3061.3	3017.2	2892.6	2579.7	2357.6	2181.4	2125.2	2064.3	2077.4	2673.4	2632.2
50°	3356.4	3309.6	3071.6	2742.7	2508.5	2406.3	2379.1	2334.2	2315.4	2894.4	2911.3
52.5°	3420.1	3363.1	3153.1	2843.0	2634.9	2638.7	2666.8	2602.2	2541.2	3132.5	3193.4
55°	3342.4	3310.6	3179.3	2918.9	2753.9	2835.4	2959.2	2877.7	2850.5	3393.0	3467.0
57.5°	3187.8	3174.6	3167.2	2982.6	2834.5	3051.0	3334.9	3244.0	3172.8	3633.8	3664.7
60°	2860.8	2865.5	2950.7	2981.6	2979.8	3277.7	3684.4	3611.3	3474.6	3866.1	3899.0
62.5°	2284.5	2317.3	2541.2	2759.5	3057.5	3624.4	4019.0	3993.6	3846.5	4131.4	4126.7
65°	1442.1	1505.8	1838.4	2332.2	2951.6	4099.5	4559.6	4460.3	4268.2	4437.8	4508.0
67.5°	779.6	802.1	986.7	1536.8	2555.3	4322.5	5731.8	5406.7	4962.5	4928.8	4941.9
70°	563.1	569.7	617.5	848.9	1597.6	3962.7	6766.3	6916.3	6061.7	5457.2	5109.6
72.5°	446.0	458.2	504.1	638.1	940.8	2670.5	6801.0	7680.8	7062.4	5689.7	4725.4
75°	307.4	326.1	406.6	549.1	848.0	1333.4	5532.2	6760.7	6817.9	5220.2	3755.7
77.5°	164.0	166.7	185.6	425.4	803.9	962.3	3573.9	4891.3	4880.1	3670.3	2034.3
80°	133.1	134.9	142.4	183.6	688.8	982.0	1918.1	2962.0	2713.7	1426.2	741.2
82.5°	87.2	92.8	113.3	124.6	309.2	947.4	1139.5	1551.7	1237.8	515.4	464.7
85°	51.6	57.2	82.4	91.9	147.1	1105.7	1022.3	934.3	714.9	364.5	349.5
87.5°	17.8	17.8	24.3	31.8	48.7	316.7	534.1	427.3	328.0	241.7	287.7
90°	9.4	10.3	5.6	5.6	21.6	97.5	285.8	284.0	223.0	237.0	307.4
92.5°	10.3	10.3	5.6	5.6	22.5	58.1	304.5	326.1	263.3	266.1	332.7
95°	11.3	12.2	4.7	4.7	21.6	40.3	268.0	331.7	257.7	240.8	289.5
97.5°	12.2	13.1	4.7	3.8	14.0	30.9	134.9	189.2	148.9	113.3	126.5
100°	11.3	12.2	2.8	2.8	6.5	20.7	51.6	70.3	63.7	26.2	15.0
102.5°	11.3	12.2	2.8	1.8	2.8	11.3	11.3	26.2	16.0	8.4	12.2
105°	11.3	12.2	2.8	1.8	0.9	5.6	3.8	4.7	5.6	7.5	14.0
107.5°	6.5	7.5	1.8	1.8	0.9	0.9	1.8	1.8	3.8	5.6	12.2
110°	2.8	2.8	0.9	0.9	0.0	0.9	0.9	1.8	3.8	4.7	6.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8	3.8	5.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8	6.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8	6.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8	6.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8	6.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8	6.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.8	5.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.8	5.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8	3.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.8
140°	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	1.8	2.8
142.5°	1.8	0.9	0.9	0.9	0.0	0.0	0.9	0.9	1.8	2.8	2.8
145°	2.8	1.8	1.8	0.9	0.0	0.0	0.9	1.8	2.8	2.8	2.8
147.5°	2.8	2.8	1.8	0.9	0.0	0.0	0.9	1.8	2.8	3.8	3.8
150°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.9	1.8	3.8	3.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.8	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.8	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.9	0.9	1.8
7.5°	2.8	2.8	2.8	1.8	1.8	0.9	173.4	201.4	231.5	226.8	220.2
10°	4.7	4.7	4.7	3.8	11.3	208.1	233.3	223.0	218.3	216.5	219.2
12.5°	319.6	376.7	125.5	18.7	184.6	203.4	208.1	196.8	203.4	205.2	199.6
15°	438.5	430.0	395.5	406.6	361.7	195.8	186.5	277.3	276.4	275.5	275.5
17.5°	474.1	450.7	390.8	413.3	361.7	297.1	230.5	220.2	212.7	213.6	211.8
20°	853.7	798.3	617.5	402.0	316.7	317.6	195.8	169.6	212.7	248.3	253.0
22.5°	860.2	806.8	646.5	521.0	316.7	251.1	192.1	200.5	240.8	263.3	267.1
25°	1082.3	978.2	635.4	440.4	317.6	204.3	204.3	193.0	219.2	250.2	254.9
27.5°	1235.0	1114.1	774.9	432.0	239.0	199.6	182.7	184.6	234.3	255.8	256.8
30°	1236.8	1094.5	729.1	362.6	198.7	173.4	164.9	193.0	205.2	219.2	220.2
32.5°	1608.0	1395.2	819.0	291.4	177.1	156.5	165.8	183.6	207.0	241.7	245.5
35°	1608.0	1371.8	713.1	268.0	167.8	157.4	170.5	196.8	197.7	223.9	229.6
37.5°	1652.9	1369.9	602.5	223.9	175.2	157.4	178.0	184.6	193.0	220.2	221.2
40°	1723.2	1389.6	492.9	204.3	173.4	171.4	173.4	181.8	179.9	197.7	198.7
42.5°	1839.4	1433.7	409.5	197.7	172.4	179.9	175.2	172.4	162.1	212.7	213.6
45°	2009.9	1533.9	348.6	197.7	173.4	192.1	180.9	166.7	156.5	256.8	264.2
47.5°	2210.5	1659.4	320.5	202.4	177.1	194.9	172.4	166.7	166.7	278.3	282.0
50°	2450.4	1803.8	307.4	206.1	189.2	193.0	178.0	177.1	184.6	258.6	257.7
52.5°	2704.3	1981.9	305.5	211.8	197.7	185.6	201.4	189.2	164.9	189.2	189.2
55°	2956.3	2201.1	302.7	213.6	193.0	190.2	206.1	168.7	140.6	153.6	155.6
57.5°	3199.0	2410.1	313.9	206.1	192.1	190.2	196.8	168.7	145.3	157.4	161.2
60°	3446.4	2643.4	380.4	194.9	195.8	185.6	195.8	182.7	160.2	190.2	194.0
62.5°	3746.3	2964.7	518.2	205.2	198.7	188.3	194.9	194.0	166.7	181.8	185.6
65°	4175.4	3322.7	599.7	241.7	207.0	196.8	194.9	209.9	186.5	177.1	178.0
67.5°	4469.7	3453.0	581.9	272.7	227.7	202.4	210.8	225.9	199.6	201.4	200.5
70°	4416.2	3221.5	506.0	287.7	240.8	208.1	227.7	224.8	209.9	239.0	237.0
72.5°	3869.9	2611.5	429.1	264.2	237.0	209.9	231.5	230.5	227.7	286.7	286.7
75°	2882.3	1752.2	372.0	242.6	226.8	208.1	226.8	228.6	226.8	293.3	295.1
77.5°	1414.9	875.2	315.8	218.3	209.9	212.7	223.9	224.8	222.1	284.9	284.9
80°	632.5	479.8	240.8	183.6	202.4	223.9	224.8	216.5	220.2	269.9	268.9
82.5°	438.5	344.8	157.4	161.2	226.8	242.6	229.6	211.8	209.0	246.4	242.6
85°	318.5	253.9	96.5	136.8	248.3	229.6	217.4	191.2	182.7	209.0	204.3
87.5°	256.8	202.4	59.0	114.4	226.8	201.4	180.9	157.4	146.2	161.2	153.6
90°	277.3	218.3	59.0	99.3	186.5	150.9	133.1	117.1	105.9	106.8	102.1
92.5°	298.9	232.4	62.8	82.4	137.8	87.2	89.0	81.5	64.7	58.1	52.5
95°	230.5	174.3	55.2	68.4	82.4	53.4	68.4	61.9	44.1	30.9	26.2
97.5°	102.1	82.4	49.6	54.3	58.1	44.1	58.1	49.6	26.2	15.0	13.1
100°	12.2	20.7	43.1	52.5	42.1	30.0	38.5	30.0	11.3	3.8	2.8
102.5°	13.1	9.4	18.7	46.9	24.3	9.4	11.3	11.3	4.7	1.8	1.8
105°	14.0	10.3	7.5	24.3	5.6	1.8	0.9	0.9	0.9	1.8	1.8
107.5°	13.1	9.4	4.7	3.8	2.8	1.8	0.0	0.0	0.0	1.8	2.8
110°	7.5	6.5	4.7	3.8	2.8	1.8	0.0	0.0	0.0	2.8	3.8



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CATALOG NUMBER: LXF.LXT-AF24-80-D-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.6	5.6	3.8	2.8	1.8	0.9	0.0	0.0	0.0	3.8	4.7
115°	6.5	5.6	3.8	2.8	1.8	0.9	0.0	0.0	0.0	4.7	5.6
117.5°	7.5	6.5	3.8	2.8	1.8	0.0	0.0	0.0	0.0	5.6	5.6
120°	7.5	6.5	3.8	2.8	0.9	0.0	0.0	0.0	0.0	4.7	5.6
122.5°	7.5	6.5	3.8	1.8	0.9	0.0	0.0	0.0	0.0	4.7	5.6
125°	6.5	6.5	3.8	1.8	0.9	0.0	0.0	0.0	0.0	4.7	4.7
127.5°	6.5	5.6	3.8	1.8	0.9	0.0	0.0	0.0	0.0	3.8	4.7
130°	5.6	5.6	2.8	1.8	0.9	0.0	0.0	0.0	0.0	2.8	3.8
132.5°	4.7	3.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.9	1.8
135°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.8	3.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.8	3.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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)