

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: P254949

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254949  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-SL3-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA 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: 2110.9 lumens  
Efficiency: N/A  
Efficacy: 100.5 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): 21  
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

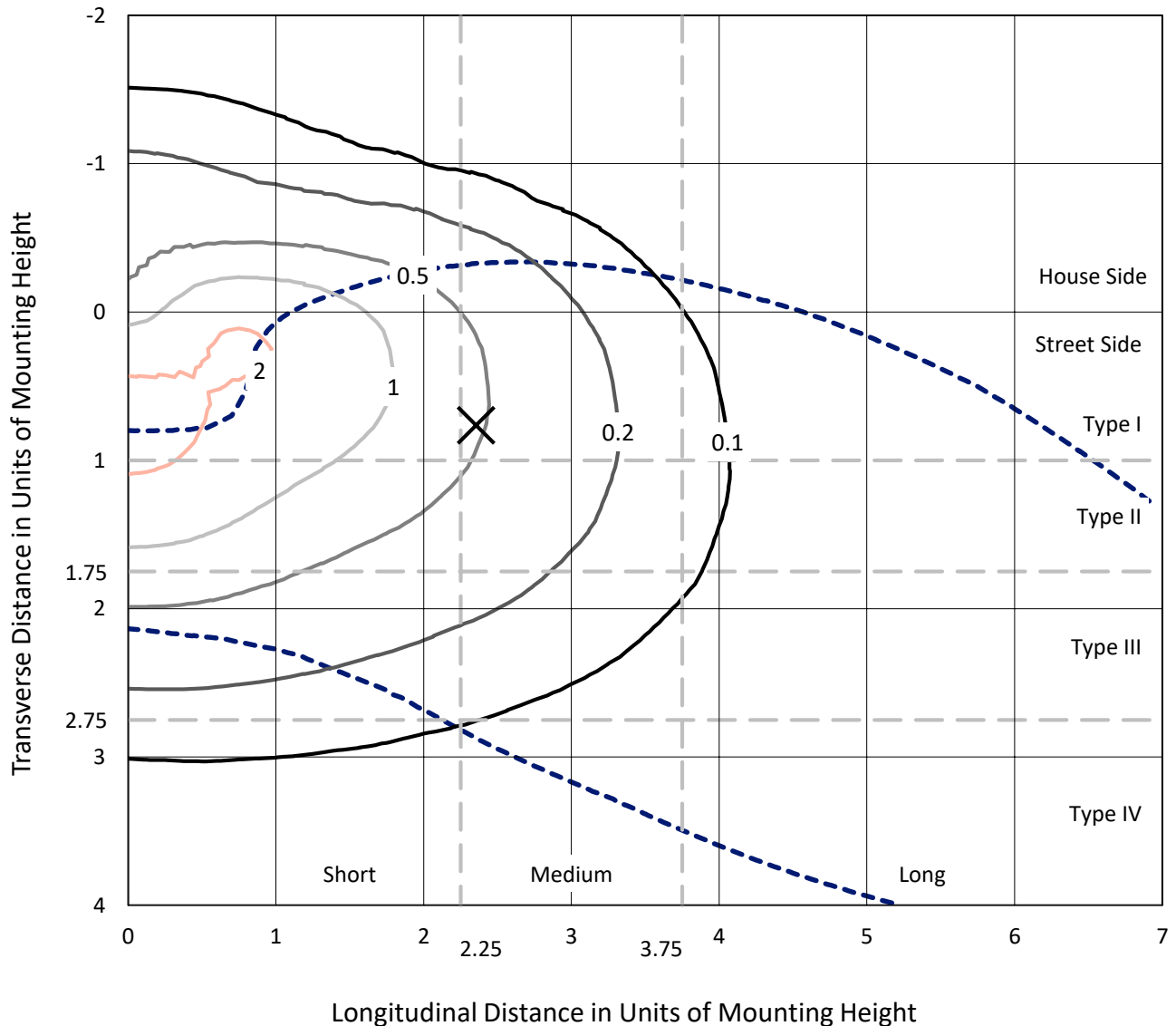


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

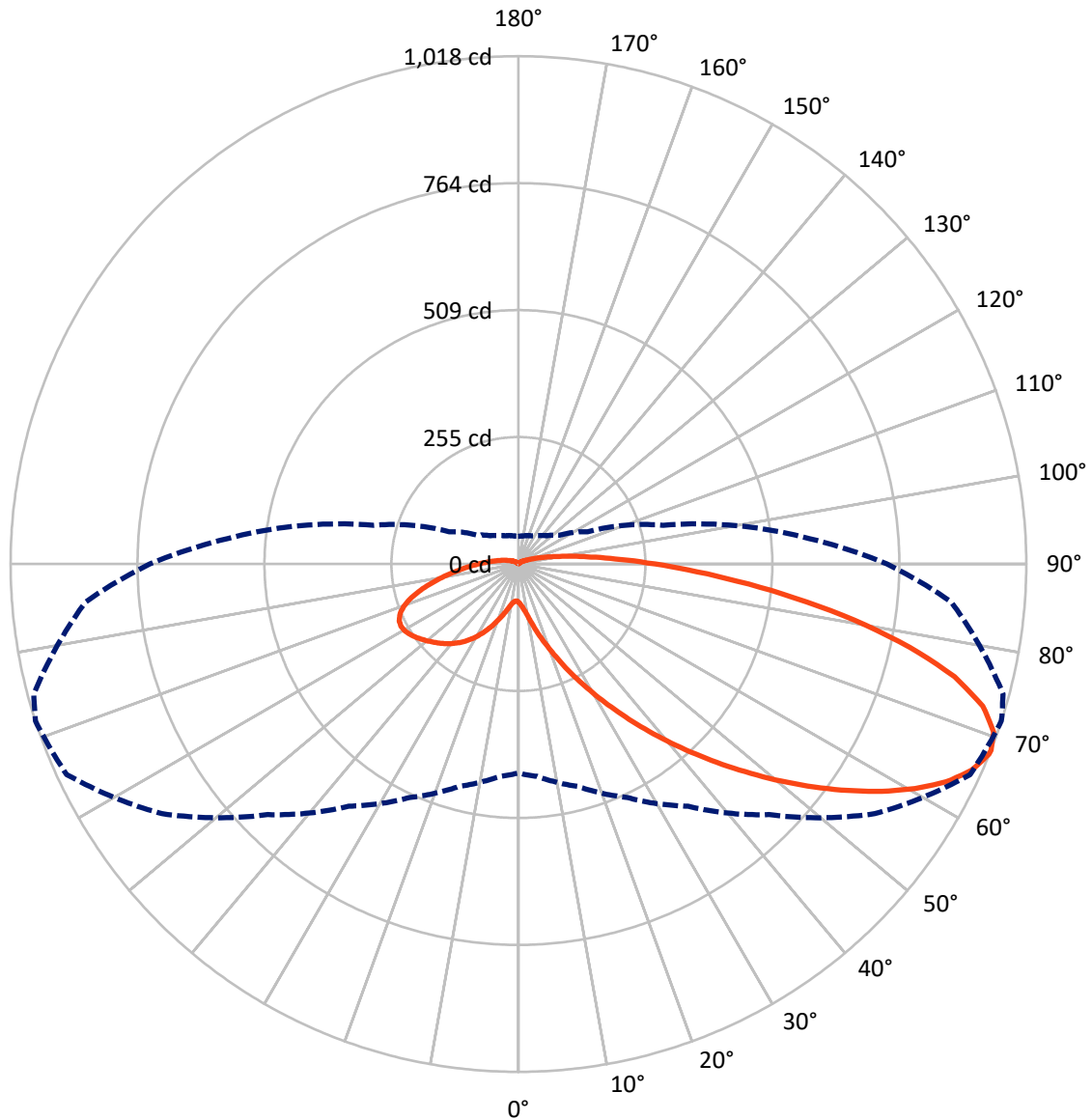


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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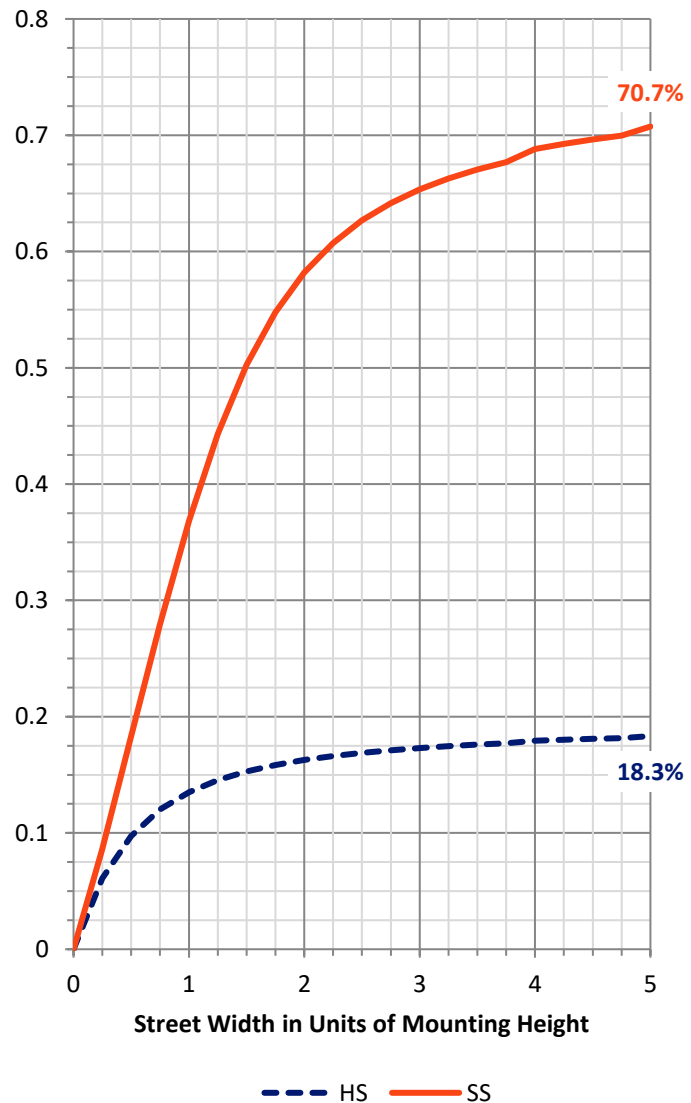
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	405.7	48.3	454.0
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	1557.3	99.6	1656.9
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	1963.0	147.9	2110.9
	% Fixture	93.0	7.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.4
10°-20°	33.5	1.6
20°-30°	82.9	3.9
30°-40°	162.2	7.7
40°-50°	270.2	12.8
50°-60°	384.9	18.2
60°-70°	446.0	21.1
70°-80°	372.4	17.6
80°-90°	202.8	9.6
90°-100°	85.1	4.0
100°-110°	35.4	1.7
110°-120°	16.0	0.8
120°-130°	7.5	0.4
130°-140°	3.1	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1963.0	93.0
0°-180°	2110.9	100.0



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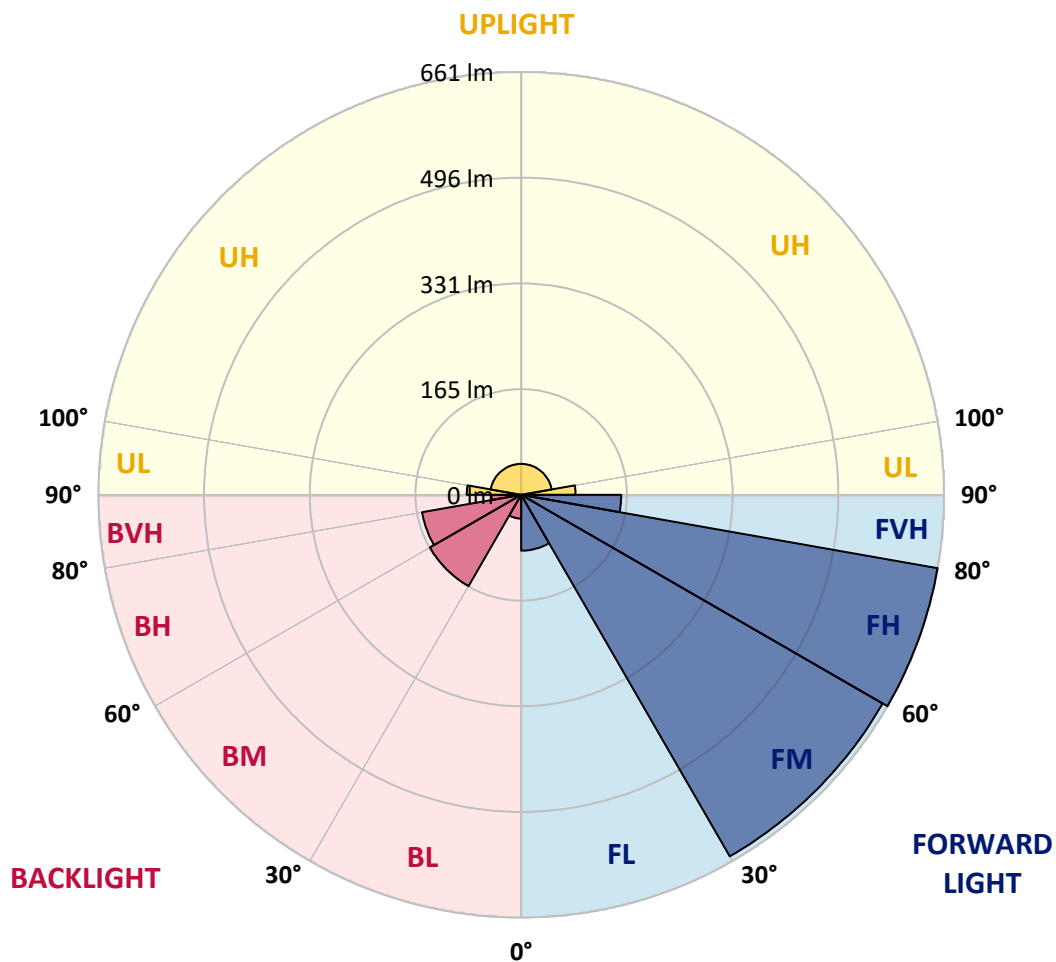
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.3	4.1			
FM	(30°-60°)	652.6	30.9			
FH	(60°-80°)	661.1	31.3			G1/1800
FVH	(80°-90°)	156.3	7.4			G2/225
BL	(0°-30°)	37.2	1.8	B0/110		
BM	(30°-60°)	164.8	7.8	B0/220		
BH	(60°-80°)	157.3	7.5	B1/500		G1/500
BVH	(80°-90°)	46.4	2.2			G1/100
UL	(90°-100°)	85.1	4.0		U3/500	
UH	(100°-180°)	48.3	2.3		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°	75°	85°
0°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	87.9	87.9	88.1	87.3	86.6	85.7	83.8	82.3	80.9	80.1	78.4
5°	99.9	100.1	99.5	98.8	97.5	95.6	92.9	89.7	87.1	86.6	82.7
7.5°	113.9	113.9	113.5	112.1	110.6	107.8	103.9	99.5	95.8	95.0	89.5
10°	130.2	130.2	130.0	127.9	125.4	122.3	117.5	113.0	107.8	106.3	98.8
12.5°	149.4	149.2	148.5	145.8	142.8	138.9	133.6	127.9	123.0	121.2	112.1
15°	170.3	170.3	169.3	165.7	162.4	157.6	152.8	147.9	141.8	139.7	128.2
17.5°	193.3	193.1	190.8	187.7	182.9	179.1	174.6	169.1	162.4	159.6	146.3
20°	219.2	218.4	215.5	211.2	206.9	202.1	197.5	189.8	184.2	182.6	167.1
22.5°	248.6	247.3	243.5	237.6	232.5	226.7	221.9	215.1	210.1	207.1	192.0
25°	281.4	280.9	276.3	266.7	259.5	252.8	248.0	244.8	240.3	236.0	218.4
27.5°	317.2	315.9	308.3	298.8	287.6	280.0	275.6	273.1	270.4	268.0	247.5
30°	355.6	354.8	344.9	332.9	318.0	308.3	305.2	305.4	305.0	302.5	279.8
32.5°	397.2	396.7	384.5	369.2	350.5	337.7	336.9	340.9	341.8	340.2	314.4
35°	441.9	441.3	427.2	408.2	384.7	369.8	370.8	378.6	382.1	380.7	351.6
37.5°	487.2	486.7	472.0	448.8	420.0	402.8	406.1	418.9	425.6	424.5	391.1
40°	537.1	532.3	517.2	489.4	456.4	437.6	444.8	461.8	471.8	468.0	432.5
42.5°	580.3	576.9	560.4	529.5	493.7	476.3	485.1	507.5	520.8	519.8	476.8
45°	618.6	617.0	600.7	567.6	530.8	513.4	527.5	556.3	572.9	570.0	523.6
47.5°	653.1	650.3	635.5	602.0	565.0	552.5	571.7	606.6	627.1	625.3	571.9
50°	676.2	675.2	662.1	630.3	596.7	586.0	617.8	661.0	684.3	682.1	622.0
52.5°	686.9	686.7	677.9	651.1	624.0	625.5	664.8	716.8	742.4	741.7	674.1
55°	683.4	683.2	680.0	662.3	645.2	658.4	711.8	773.7	801.4	801.0	724.6
57.5°	662.8	664.0	668.2	661.9	659.5	688.6	757.1	829.3	859.7	858.1	774.0
60°	623.7	626.0	639.7	647.7	663.4	709.8	799.0	884.0	913.9	911.2	818.8
62.5°	569.7	575.4	595.7	619.9	655.4	724.3	836.5	932.5	962.1	956.6	850.0
65°	505.5	511.8	539.3	579.3	635.5	726.5	863.1	972.3	998.0	990.8	871.7
67.5°	433.9	441.9	475.2	527.8	601.5	715.0	872.8	996.9	1017.2	1005.7	873.8
68°	419.1	427.2	461.6	516.4	592.7	710.4	872.4	999.0	1018.0	1005.7	870.6
70°	361.9	370.6	408.2	468.8	557.8	687.8	862.0	996.7	1010.7	995.8	849.3
72.5°	296.8	305.4	343.3	407.6	504.0	641.1	825.5	966.7	973.4	955.8	797.7
75°	238.4	247.3	283.7	348.6	445.9	585.5	765.0	904.2	902.9	882.4	720.0
77.5°	188.8	196.7	231.5	293.0	386.0	517.7	686.9	811.0	802.3	780.6	621.2
80°	148.5	155.7	187.2	243.5	328.5	446.7	593.8	697.6	683.0	660.8	515.0
82.5°	115.9	122.6	150.3	200.3	275.3	377.5	493.7	577.8	557.4	537.1	413.0
85°	90.4	95.8	120.4	163.4	227.5	312.1	406.1	461.3	440.0	422.4	322.0
87.5°	70.8	75.3	96.1	132.6	187.7	253.6	323.9	359.4	339.4	324.9	246.9
90°	55.5	58.8	77.5	107.6	151.4	204.6	254.5	275.8	257.9	246.7	188.5
92.5°	44.0	46.4	61.6	87.3	122.1	162.4	197.0	209.0	194.1	185.8	143.1
95°	35.3	37.1	49.9	71.2	99.3	128.4	151.7	157.8	146.1	139.7	108.7
97.5°	28.9	30.1	41.1	57.9	79.5	101.9	117.5	119.8	110.3	105.4	83.0
100°	24.0	24.8	33.9	48.1	64.6	81.2	91.6	91.9	83.8	79.9	63.3
102.5°	20.3	20.9	28.3	40.1	53.4	65.1	72.1	70.8	63.6	60.3	48.6
105°	17.4	17.9	23.7	33.7	44.6	52.9	56.9	54.7	48.6	46.2	37.7
107.5°	15.2	15.6	20.0	28.3	37.3	43.4	45.9	42.9	37.7	35.5	29.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	13.3	13.6	17.1	24.2	31.4	36.6	37.3	33.9	29.4	27.8	23.7
112.5°	11.8	12.0	15.0	20.5	27.0	30.7	30.9	27.2	23.3	21.9	19.2
115°	10.7	10.9	13.1	17.6	23.0	25.9	25.6	21.9	18.5	17.4	15.8
117.5°	9.9	10.2	11.8	15.2	19.7	21.9	21.3	17.9	15.0	14.2	13.3
120°	9.1	9.4	10.4	13.1	16.8	18.7	17.6	14.4	12.2	11.8	11.3
122.5°	8.5	8.5	9.4	11.5	14.4	15.8	14.6	12.0	10.2	9.7	9.7
125°	7.7	7.9	8.5	9.9	12.2	13.3	12.2	9.9	8.3	8.3	8.3
127.5°	7.4	7.4	7.7	8.8	10.4	11.3	10.2	7.9	7.0	7.0	7.2
130°	7.0	7.0	7.0	7.7	8.8	9.1	7.9	6.4	5.9	5.9	6.1
132.5°	6.4	6.4	6.4	6.7	7.2	7.2	6.4	5.4	5.0	5.0	5.4
135°	5.9	5.9	5.6	5.6	5.9	5.6	5.0	4.3	4.1	4.3	4.6
137.5°	5.0	5.0	5.0	4.8	4.6	4.3	3.5	3.2	3.2	3.5	3.8
140°	4.3	4.3	4.3	3.8	3.5	2.9	2.4	2.1	2.4	2.6	2.9
142.5°	3.5	3.5	3.5	2.9	2.4	1.8	1.3	1.3	1.6	1.8	2.1
145°	2.6	2.6	2.6	2.1	1.6	1.1	0.8	1.1	1.3	1.3	1.6
147.5°	1.8	1.8	1.8	1.3	0.8	0.2	0.2	0.8	1.1	1.1	1.3
150°	1.1	1.1	1.1	0.5	0.2	0.0	0.0	0.5	0.8	0.8	1.1
152.5°	0.2	0.2	0.5	0.2	0.0	0.0	0.0	0.2	0.5	0.5	0.8
155°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2.5°	77.5	76.6	74.8	72.8	71.2	69.9	68.9	68.4	67.8	67.5	66.9
5°	80.9	79.0	75.3	71.8	68.7	66.0	63.3	61.6	60.6	59.8	59.5
7.5°	86.8	83.8	78.2	72.8	67.8	63.1	59.8	57.7	55.8	54.7	54.4
10°	95.3	91.6	83.2	75.6	68.7	62.5	57.9	54.7	52.6	51.6	51.6
12.5°	107.6	101.9	91.0	80.5	70.8	63.1	57.4	54.4	52.9	52.0	52.0
15°	122.8	115.4	101.2	87.3	75.1	65.4	59.8	56.6	54.9	54.2	54.2
17.5°	139.7	130.0	112.4	94.7	79.3	69.7	62.5	58.8	56.9	56.0	56.0
20°	158.9	147.9	124.4	102.2	84.9	73.6	65.4	60.6	58.8	58.2	57.9
22.5°	180.8	166.6	137.4	110.1	90.4	76.9	67.8	62.2	60.6	60.1	60.1
25°	205.1	187.9	151.7	118.2	95.0	79.3	69.7	64.0	62.2	62.0	61.6
27.5°	230.6	210.7	165.7	126.3	98.6	80.7	70.8	65.7	63.6	63.6	63.3
30°	260.6	234.4	179.4	133.0	100.6	81.2	71.0	66.4	64.6	64.9	65.1
32.5°	290.5	259.5	193.1	138.9	102.2	81.4	71.0	66.7	64.9	65.7	65.7
35°	322.2	285.3	206.1	143.6	103.0	81.2	71.0	67.3	65.1	66.0	66.2
37.5°	355.6	311.8	218.6	147.4	103.6	80.9	71.0	67.3	65.4	66.2	66.2
40°	389.8	338.2	230.6	150.0	103.6	80.7	70.8	67.3	66.0	66.0	66.2
42.5°	426.6	365.8	241.6	152.2	103.6	80.1	70.8	67.3	65.4	65.7	66.0
45°	465.7	394.1	252.1	153.7	103.4	80.1	70.5	66.9	65.1	64.9	65.1
47.5°	503.8	423.4	262.2	155.3	103.0	80.5	70.5	66.7	64.6	63.6	63.8
50°	546.0	453.9	272.6	156.5	103.4	80.5	70.8	66.4	63.8	62.5	62.8
52.5°	587.6	484.3	282.8	157.8	103.4	80.7	70.8	66.0	63.1	61.1	61.4
55°	631.6	514.5	292.6	159.1	103.6	80.9	71.0	65.4	62.2	60.1	60.3
57.5°	670.1	543.3	301.4	159.9	103.6	81.4	71.0	65.1	61.4	59.0	59.0
60°	705.4	570.0	308.6	160.2	103.6	81.4	71.0	64.6	60.8	57.9	57.9
62.5°	732.0	588.0	312.1	159.6	103.0	81.4	70.8	64.0	60.3	57.2	57.2
65°	745.7	595.7	310.6	157.8	102.4	81.2	70.5	63.3	59.5	56.6	56.4
67.5°	742.2	589.8	302.7	154.0	101.2	80.5	69.7	62.2	59.0	56.0	55.5
68°	738.7	585.2	300.4	153.0	100.4	80.1	69.4	62.2	58.8	56.0	55.5
70°	715.2	565.8	287.8	148.5	99.1	79.0	68.7	61.1	57.9	55.5	54.9
72.5°	665.6	523.6	266.7	140.7	95.8	77.1	66.7	59.8	56.9	54.7	54.0
75°	594.3	467.2	240.3	131.6	91.9	74.8	64.4	57.9	55.2	53.4	52.6
77.5°	513.1	401.0	211.2	120.6	87.1	71.8	61.6	55.8	53.4	51.8	50.5
80°	424.5	332.9	181.8	109.2	81.7	68.1	58.8	53.1	51.1	49.1	48.1
82.5°	340.5	269.7	154.0	98.3	75.3	63.3	55.2	49.9	47.7	46.2	44.9
85°	266.7	214.9	128.9	87.1	69.4	59.0	51.6	46.4	44.6	42.7	41.4
87.5°	206.6	169.1	108.1	76.6	62.8	54.2	47.7	42.9	40.9	38.7	37.7
90°	159.6	133.0	89.5	66.7	56.9	49.6	43.8	39.3	36.8	35.0	33.9
92.5°	123.0	104.9	74.2	58.5	50.7	44.9	39.8	35.7	33.1	30.7	29.9
95°	95.3	83.0	61.6	50.7	45.2	40.3	36.0	32.0	29.1	26.7	25.9
97.5°	74.2	65.7	51.3	43.8	39.8	35.7	32.0	28.5	25.6	22.7	22.2
100°	57.4	52.0	42.9	37.9	35.0	31.4	28.3	25.3	21.9	19.2	18.9
102.5°	45.2	41.6	36.0	32.9	30.5	27.8	25.1	22.2	18.7	16.1	15.8
105°	35.7	33.7	30.1	28.1	26.4	24.2	22.2	19.2	15.6	13.3	13.3
107.5°	28.5	27.2	25.3	24.0	23.0	21.1	19.2	16.3	12.8	10.9	11.3



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.3	22.4	21.3	20.9	20.0	18.5	16.5	13.8	10.7	9.1	9.4
112.5°	18.9	18.7	18.1	17.9	17.4	16.1	14.2	11.5	8.5	7.7	7.7
115°	15.8	15.6	15.6	15.2	15.0	13.8	12.0	9.7	7.0	6.4	6.4
117.5°	13.3	13.3	13.1	13.1	12.8	11.8	10.2	7.9	5.6	5.4	5.4
120°	11.3	11.3	11.3	11.3	10.9	9.9	8.5	6.4	4.6	4.6	4.6
122.5°	9.7	9.9	9.7	9.7	9.4	8.5	7.0	5.0	3.8	3.8	4.1
125°	8.3	8.3	8.3	7.9	7.7	7.0	5.6	4.1	3.2	3.2	3.2
127.5°	7.2	7.2	7.2	7.0	6.4	5.9	4.6	3.2	2.6	2.6	2.6
130°	6.4	6.1	6.1	5.9	5.4	4.6	3.5	2.4	2.1	2.1	2.1
132.5°	5.4	5.4	5.0	4.8	4.3	3.5	2.6	1.6	1.6	1.8	1.8
135°	4.6	4.6	4.3	3.8	3.2	2.6	1.8	1.3	1.3	1.3	1.3
137.5°	3.8	3.8	3.5	2.9	2.4	1.6	1.1	0.8	0.8	1.1	1.1
140°	2.9	2.9	2.6	2.1	1.6	1.1	0.5	0.2	0.5	0.5	0.5
142.5°	2.1	2.1	1.8	1.3	0.8	0.5	0.0	0.2	0.2	0.2	0.2
145°	1.6	1.6	1.3	1.1	0.5	0.2	0.0	0.0	0.2	0.0	0.0
147.5°	1.3	1.3	1.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)