

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: P254850

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2322.1 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - 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

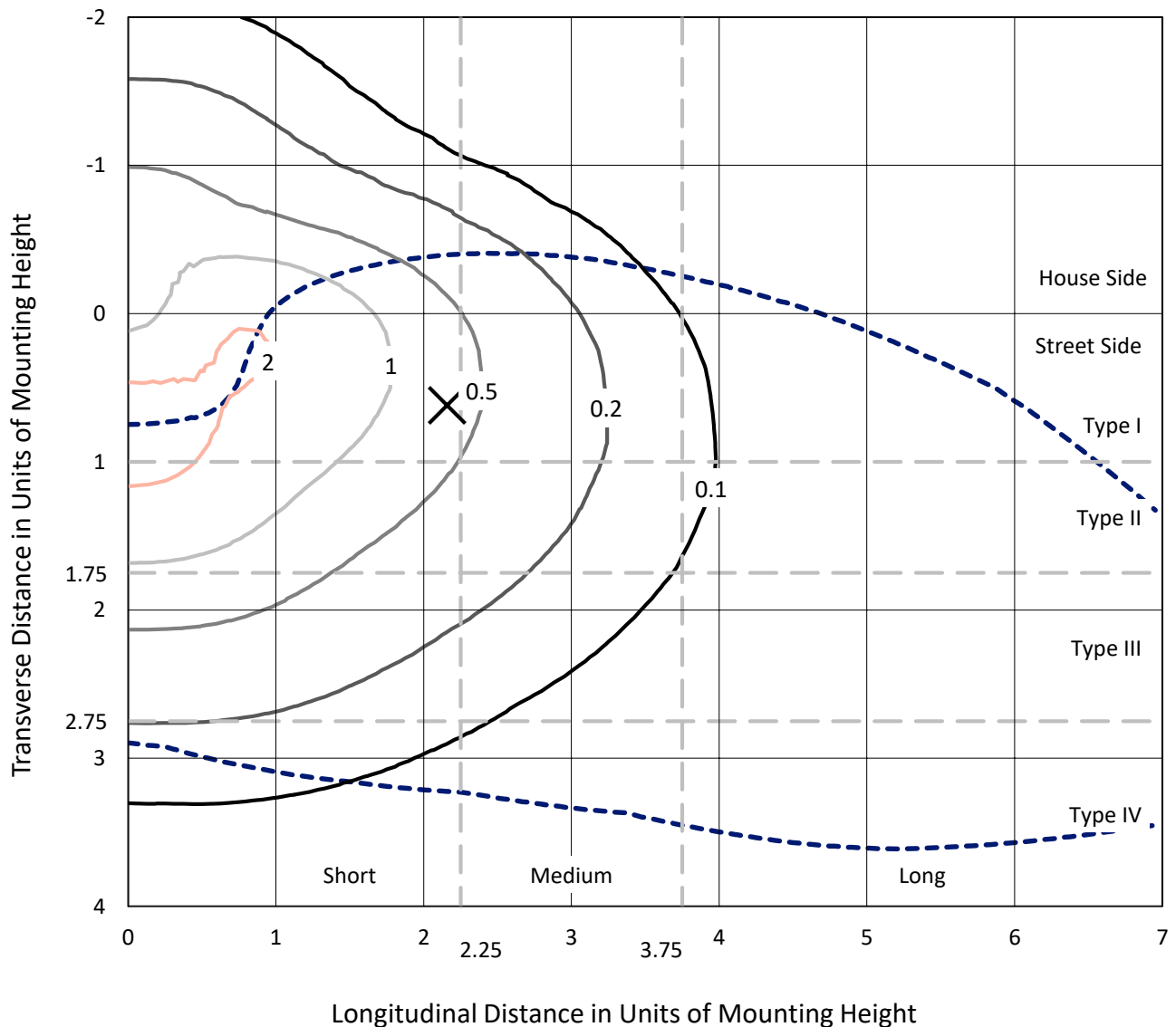


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

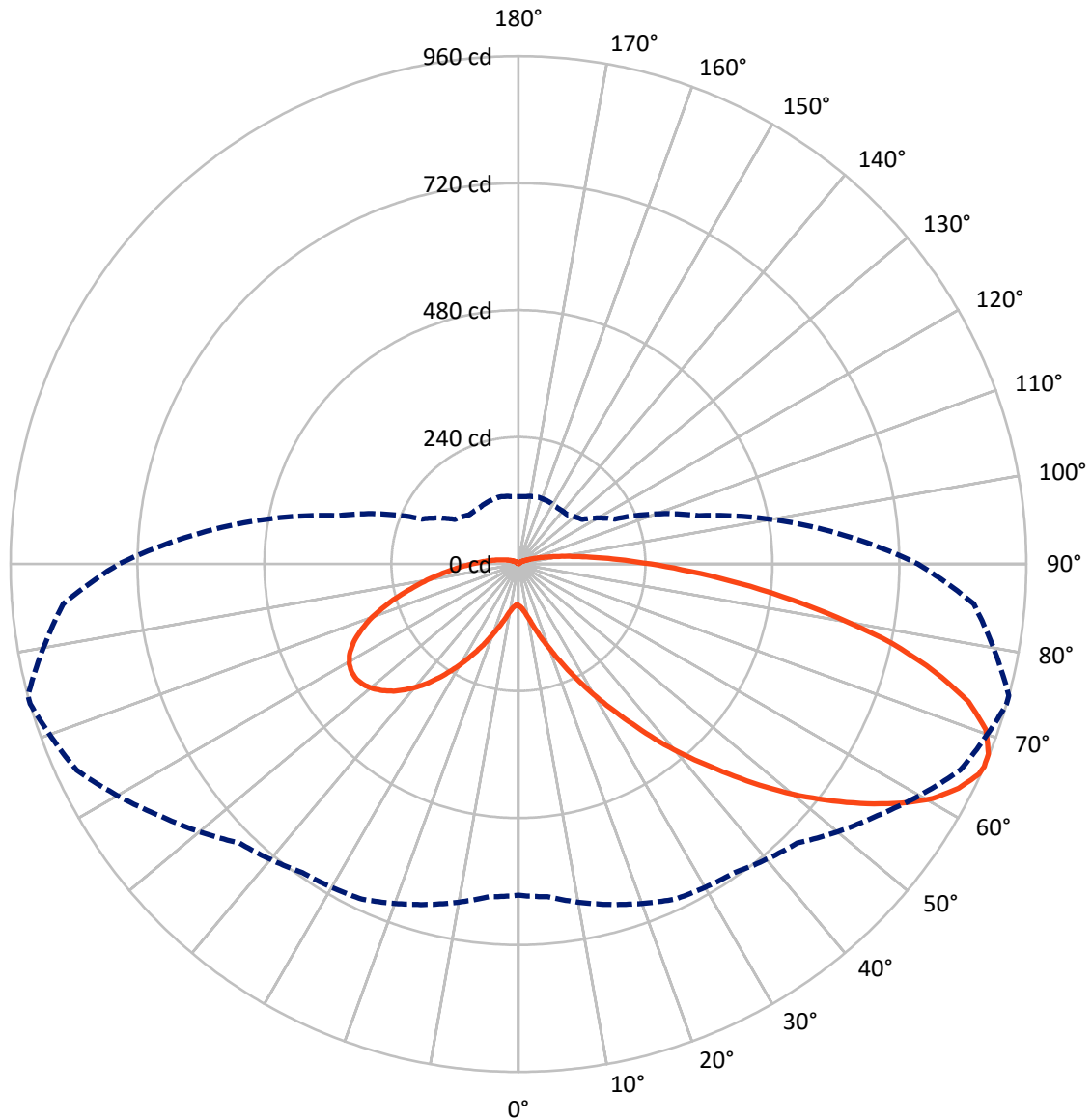


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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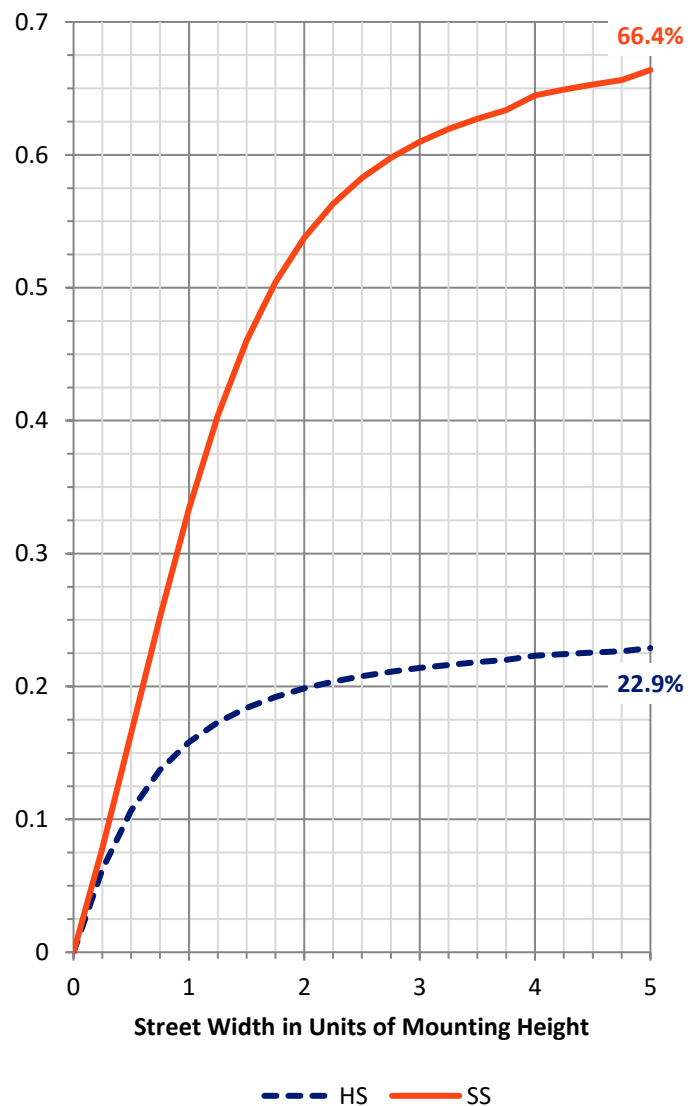
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	558.5	57.7	616.3
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	1606.8	99.0	1705.8
	% Fixture	69.2	4.3	73.5
Total	Lumens	2165.3	156.7	2322.1
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.4
10°-20°	35.2	1.5
20°-30°	90.2	3.9
30°-40°	182.7	7.9
40°-50°	309.2	13.3
50°-60°	438.5	18.9
60°-70°	495.1	21.3
70°-80°	395.9	17.0
80°-90°	210.3	9.1
90°-100°	88.7	3.8
100°-110°	37.7	1.6
110°-120°	17.4	0.7
120°-130°	8.3	0.4
130°-140°	3.6	0.2
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2165.3	93.2
0°-180°	2322.1	100.0

Coefficient of Utilization



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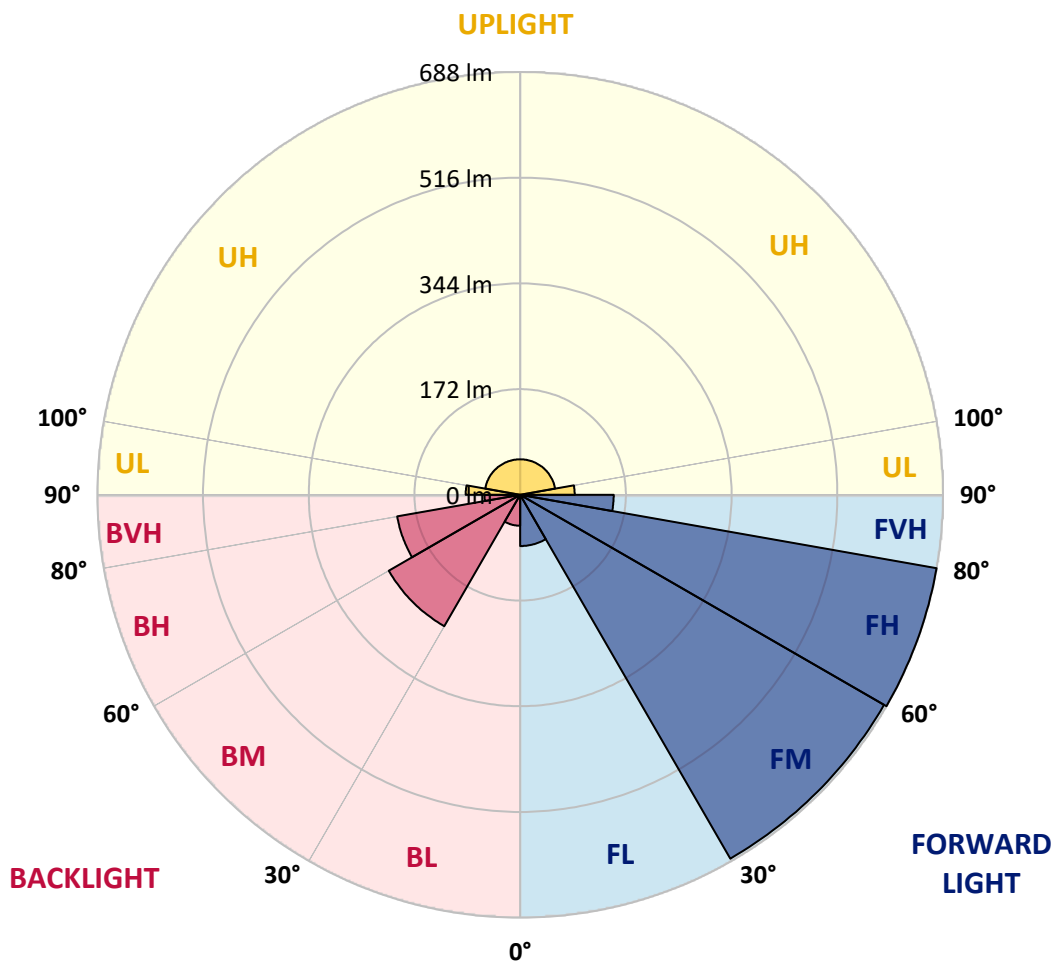
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.3	3.6			
FM	(30°-60°)	683.5	29.4			
FH	(60°-80°)	687.9	29.6			G1/1800
FVH	(80°-90°)	152.2	6.6			G2/225
BL	(0°-30°)	50.3	2.2	B0/110		
BM	(30°-60°)	246.9	10.6	B1/1000		
BH	(60°-80°)	203.1	8.7	B1/500		G1/500
BVH	(80°-90°)	58.2	2.5			G1/100
UL	(90°-100°)	88.7	3.8		U3/500	
UH	(100°-180°)	57.7	2.5		U3/500	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	85.5	86.1	85.5	85.2	84.7	84.4	83.3	81.8	81.0	80.7	79.6
5°	94.3	95.1	94.5	93.7	92.9	91.8	90.0	87.8	86.1	85.8	83.6
7.5°	105.0	106.1	105.3	104.1	102.7	101.1	98.5	95.6	93.2	92.6	89.7
10°	120.2	120.0	118.9	117.1	115.2	113.4	110.4	106.1	103.0	102.5	98.5
12.5°	137.5	137.5	135.7	133.2	130.4	127.9	124.8	120.0	116.6	115.7	110.9
15°	156.9	157.7	155.3	152.4	148.4	144.7	142.0	136.9	133.0	132.1	126.1
17.5°	179.8	180.0	177.3	173.6	169.1	165.7	161.4	156.1	151.6	150.7	143.4
20°	206.0	205.7	202.3	197.3	192.2	189.1	183.7	177.8	172.8	172.2	163.5
22.5°	236.0	233.7	231.2	224.6	220.4	214.5	208.9	202.1	197.3	196.4	187.1
25°	269.5	266.5	263.9	255.4	249.2	242.1	236.2	230.3	226.4	224.6	213.7
27.5°	307.4	305.4	300.3	289.9	280.3	271.5	267.0	261.4	257.2	256.2	245.0
30°	349.7	344.9	339.5	326.8	313.8	302.0	297.5	295.2	292.2	291.0	278.3
32.5°	391.8	391.5	383.6	367.4	350.6	337.3	333.1	331.9	329.1	329.4	314.1
35°	441.4	441.2	431.3	411.5	390.4	374.0	371.1	372.6	371.7	371.4	354.2
37.5°	494.2	493.1	482.1	458.1	431.9	413.2	411.2	416.0	419.7	417.2	397.1
40°	548.7	549.5	534.6	506.4	475.6	454.4	453.3	464.3	468.2	465.7	442.0
42.5°	601.5	600.9	586.8	557.7	519.9	497.4	498.2	512.6	517.4	516.3	490.0
45°	652.5	652.0	639.3	605.4	565.4	540.8	545.0	562.5	571.8	571.8	540.5
47.5°	697.4	696.8	685.9	651.4	609.1	584.2	591.1	614.7	630.2	628.3	591.3
50°	734.2	733.3	725.7	694.1	650.6	626.9	638.4	669.2	688.1	683.8	643.2
52.5°	757.6	758.7	755.0	728.4	687.8	666.4	684.1	722.8	743.7	742.0	696.0
55°	768.8	769.5	774.0	753.3	717.8	701.4	727.6	774.5	800.2	797.9	746.9
57.5°	763.5	765.2	777.3	766.6	738.4	730.2	766.6	822.1	852.9	853.2	791.7
60°	740.9	745.4	764.0	766.6	748.5	748.8	798.7	864.5	899.8	897.8	829.0
62.5°	703.1	708.7	735.8	749.6	743.5	757.3	819.9	897.5	933.6	935.1	855.8
65°	650.9	656.2	689.0	716.7	723.9	752.5	829.2	918.4	956.9	956.6	865.1
66°	626.0	631.4	666.4	699.1	712.1	745.7	828.7	921.6	959.9	959.6	863.7
67.5°	585.1	591.1	627.5	667.3	688.7	730.8	822.1	919.8	958.2	957.7	854.4
70°	509.4	516.3	556.9	600.9	636.8	692.1	796.3	900.7	937.3	934.6	819.9
72.5°	430.5	437.5	478.1	525.0	575.5	641.0	749.6	856.3	889.4	885.7	762.4
75°	353.1	359.9	400.0	447.6	502.4	573.8	684.1	786.3	812.6	812.3	684.8
77.5°	282.5	288.5	324.3	371.7	427.1	499.3	603.7	701.6	723.1	717.5	592.5
80°	221.6	227.2	258.0	300.6	354.6	422.0	515.7	599.2	610.8	607.4	495.1
82.5°	171.9	177.0	203.8	240.8	289.3	348.6	423.1	495.9	501.2	497.6	400.8
85°	133.0	137.5	160.3	192.2	233.4	282.5	342.1	393.7	398.8	396.3	316.7
87.5°	103.0	106.1	125.3	152.1	186.9	226.7	271.3	311.1	309.0	306.5	245.0
90°	79.6	82.7	98.5	120.8	149.4	180.3	213.1	239.9	236.2	233.4	188.0
92.5°	61.8	64.0	77.9	96.6	119.7	143.4	166.5	183.7	178.9	177.0	143.4
95°	48.8	50.5	61.6	78.8	96.6	114.6	130.4	142.5	135.4	133.8	109.3
97.5°	39.3	40.4	49.7	63.5	78.5	92.3	103.0	108.1	102.7	101.4	83.3
100°	32.2	32.7	40.6	51.7	63.8	75.1	81.8	84.1	78.5	77.3	63.5
102.5°	26.5	27.1	33.6	43.5	53.1	61.0	65.2	66.6	59.5	58.7	49.1
105°	22.3	22.6	27.9	36.7	44.6	50.2	53.1	51.7	46.0	45.1	38.4
107.5°	19.2	19.4	23.4	31.3	37.8	42.0	43.8	41.7	35.8	35.0	30.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	16.7	16.7	20.0	26.5	32.2	35.8	36.4	33.3	28.2	27.6	24.2
112.5°	14.6	14.6	17.5	22.8	27.6	30.5	30.5	27.1	22.3	22.0	19.7
115°	13.3	13.3	15.2	19.7	24.0	26.3	25.7	22.0	18.1	17.8	16.4
117.5°	11.9	11.9	13.3	17.0	20.6	22.6	21.7	18.1	14.6	14.4	13.8
120°	10.7	10.7	11.9	14.4	17.8	19.2	18.3	14.9	12.2	11.9	11.6
122.5°	9.9	9.9	10.4	12.7	15.2	16.4	15.5	12.4	10.1	10.1	9.9
125°	9.0	9.0	9.6	11.0	13.0	14.1	13.0	10.1	8.5	8.5	8.8
127.5°	8.5	8.5	8.8	9.6	11.3	11.9	10.7	8.5	7.4	7.4	7.6
130°	7.6	7.6	7.9	8.5	9.3	9.9	8.8	7.1	6.4	6.2	6.4
132.5°	7.1	7.1	7.1	7.4	7.6	7.9	7.1	5.6	5.3	5.3	5.6
135°	6.2	6.4	6.2	6.2	6.2	6.2	5.3	4.5	4.5	4.5	4.8
137.5°	5.6	5.6	5.3	5.1	5.1	4.8	4.2	3.7	3.7	3.7	4.0
140°	4.8	4.8	4.8	4.2	3.7	3.4	2.9	2.9	3.1	3.1	3.4
142.5°	4.0	4.0	3.7	3.4	2.6	2.3	1.9	1.9	2.3	2.3	2.6
145°	3.1	3.1	2.9	2.3	1.7	1.1	1.1	1.1	1.4	1.4	1.7
147.5°	2.3	2.3	1.9	1.4	0.8	0.6	0.6	0.8	1.1	1.1	1.4
150°	1.4	1.4	1.1	0.8	0.3	0.0	0.3	0.6	0.8	0.8	1.1
152.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.3	0.6	0.6	0.8
155°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	79.1	78.5	77.3	76.5	75.4	74.8	74.5	74.0	73.7	73.3	73.3
5°	82.4	81.3	79.3	77.3	75.6	74.0	73.1	72.2	71.4	70.9	70.9
7.5°	88.1	86.3	83.3	80.2	77.3	75.1	73.3	72.2	71.1	70.6	70.3
10°	96.0	93.7	89.5	85.2	81.3	77.9	75.6	74.3	73.1	72.2	72.0
12.5°	108.4	105.0	98.8	92.6	86.3	82.7	79.6	78.8	78.2	77.6	78.2
15°	122.8	118.6	110.9	102.7	95.1	89.2	86.6	86.1	85.5	85.2	85.2
17.5°	138.9	134.3	124.2	113.4	104.1	98.2	94.5	93.4	92.6	92.3	92.0
20°	158.4	152.4	139.4	125.6	114.6	108.1	103.0	101.1	100.2	100.2	100.2
22.5°	181.0	173.0	156.9	138.9	126.1	117.1	111.8	108.6	108.1	108.4	108.1
25°	206.3	196.7	176.2	153.9	137.2	125.9	119.1	116.3	115.5	116.0	116.0
27.5°	235.1	224.1	196.7	169.6	147.6	133.5	125.9	123.4	122.4	123.4	123.4
30°	265.4	252.9	218.2	184.6	156.6	139.7	131.2	129.3	128.4	129.3	129.5
32.5°	301.5	282.8	240.8	199.0	165.1	144.7	135.7	134.1	133.2	134.3	134.3
35°	338.7	315.9	263.3	212.3	171.9	148.4	138.9	137.5	136.9	138.0	138.0
37.5°	376.5	351.7	286.5	224.1	177.0	151.0	141.2	140.0	139.7	139.7	140.0
40°	418.0	387.0	308.5	233.7	180.7	152.4	142.5	141.2	140.9	140.6	140.6
42.5°	460.9	421.1	328.3	241.0	182.3	152.7	142.5	141.7	141.4	140.2	140.0
45°	504.9	457.6	346.9	246.1	182.9	152.1	142.3	141.4	141.2	139.1	138.9
47.5°	549.8	492.6	362.1	248.4	181.5	151.0	141.4	140.6	140.0	136.9	136.9
50°	594.1	526.9	375.1	248.7	179.2	149.0	140.2	140.0	138.9	135.2	134.6
52.5°	637.6	559.5	384.7	246.7	175.5	147.1	139.1	139.1	137.7	133.8	133.2
55°	678.5	588.5	390.4	242.1	171.3	144.5	137.7	138.0	136.6	132.4	131.9
57.5°	714.1	612.4	391.2	235.4	166.5	142.0	136.4	136.9	136.1	131.2	130.6
60°	742.6	627.7	387.3	227.2	160.9	138.9	134.6	135.7	134.9	130.4	130.1
62.5°	758.1	633.6	377.4	217.1	155.3	136.1	132.4	134.3	133.8	129.3	129.0
65°	759.2	626.4	361.0	205.5	149.4	132.7	130.4	132.1	132.1	128.2	127.9
66°	755.0	619.0	352.8	201.0	146.8	131.2	129.3	131.2	131.6	127.9	127.3
67.5°	741.7	603.7	338.7	193.0	142.8	129.0	127.3	129.5	129.8	126.7	125.9
70°	704.8	566.5	313.0	180.0	136.4	124.5	123.7	125.9	126.4	123.9	123.1
72.5°	648.0	517.6	282.8	165.9	129.0	119.4	119.1	121.3	121.9	119.7	118.9
75°	576.3	453.6	249.5	152.1	121.1	113.8	113.4	115.2	116.0	114.3	112.9
77.5°	494.5	387.8	216.8	138.0	113.1	107.2	107.2	108.6	108.9	107.2	105.9
80°	410.7	322.8	187.1	123.9	105.0	99.9	99.9	100.5	100.8	99.0	97.4
82.5°	331.9	263.3	158.7	110.4	95.6	91.8	91.5	91.5	91.1	89.7	87.8
85°	262.5	211.4	132.7	97.7	86.6	83.6	82.7	81.8	81.3	79.6	77.9
87.5°	205.2	168.2	111.8	85.8	77.6	75.1	74.0	72.8	71.4	69.5	67.2
90°	159.5	133.2	93.2	74.8	68.5	66.3	64.7	62.9	61.3	59.0	57.9
92.5°	123.7	105.3	77.9	64.3	60.1	58.4	56.8	54.5	52.2	49.9	48.8
95°	96.3	83.8	64.7	55.6	52.5	51.0	49.4	46.9	44.0	41.7	40.9
97.5°	75.1	66.6	53.9	48.0	46.0	44.3	42.7	40.1	36.9	34.5	33.9
100°	58.4	53.1	45.1	41.5	39.8	38.7	36.9	34.5	30.8	28.2	27.9
102.5°	46.3	42.7	37.8	35.8	34.7	33.6	31.9	29.4	25.7	22.8	22.8
105°	36.7	34.5	31.9	30.8	29.9	29.1	27.4	24.9	20.9	18.6	18.6
107.5°	29.7	27.9	26.8	26.3	26.0	25.2	23.7	20.9	17.2	15.2	15.2



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.0	23.1	22.6	22.6	22.3	22.0	20.4	17.5	14.1	12.4	12.7
112.5°	19.7	19.2	19.2	19.4	19.4	18.9	17.2	14.6	11.6	10.4	10.4
115°	16.4	16.1	16.4	16.7	17.0	16.4	14.6	12.2	9.3	8.8	8.8
117.5°	13.8	13.8	14.1	14.4	14.4	13.8	12.4	10.1	7.6	7.4	7.4
120°	11.9	11.9	11.9	12.2	12.4	11.9	10.4	8.2	6.2	6.2	6.2
122.5°	10.1	10.1	10.1	10.4	10.4	10.1	8.8	6.8	5.3	5.3	5.3
125°	8.8	8.8	8.8	9.0	9.0	8.5	7.1	5.6	4.5	4.5	4.5
127.5°	7.6	7.6	7.6	7.6	7.6	7.1	5.9	4.5	3.7	4.0	4.0
130°	6.8	6.8	6.4	6.4	6.2	5.9	4.8	3.7	3.1	3.4	3.4
132.5°	5.6	5.9	5.6	5.3	5.1	4.5	3.7	2.9	2.6	2.9	2.9
135°	4.8	5.1	4.8	4.2	4.0	3.7	2.9	2.3	2.3	2.3	2.3
137.5°	4.2	4.2	4.0	3.4	3.1	2.6	1.9	1.7	1.7	1.9	1.9
140°	3.4	3.4	3.1	2.6	2.3	1.7	1.1	1.1	1.4	1.4	1.4
142.5°	2.6	2.6	2.3	1.7	1.1	0.8	0.6	0.6	0.8	1.1	1.1
145°	1.7	1.7	1.7	1.1	0.8	0.3	0.0	0.3	0.6	0.6	0.6
147.5°	1.4	1.4	1.1	0.8	0.3	0.0	0.0	0.0	0.3	0.3	0.3
150°	1.1	1.1	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	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)