

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: P266032

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266032
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-AF24-30-D-U-SL3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 2659.8 lumens
Efficiency: N/A
Efficacy: 85.8 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

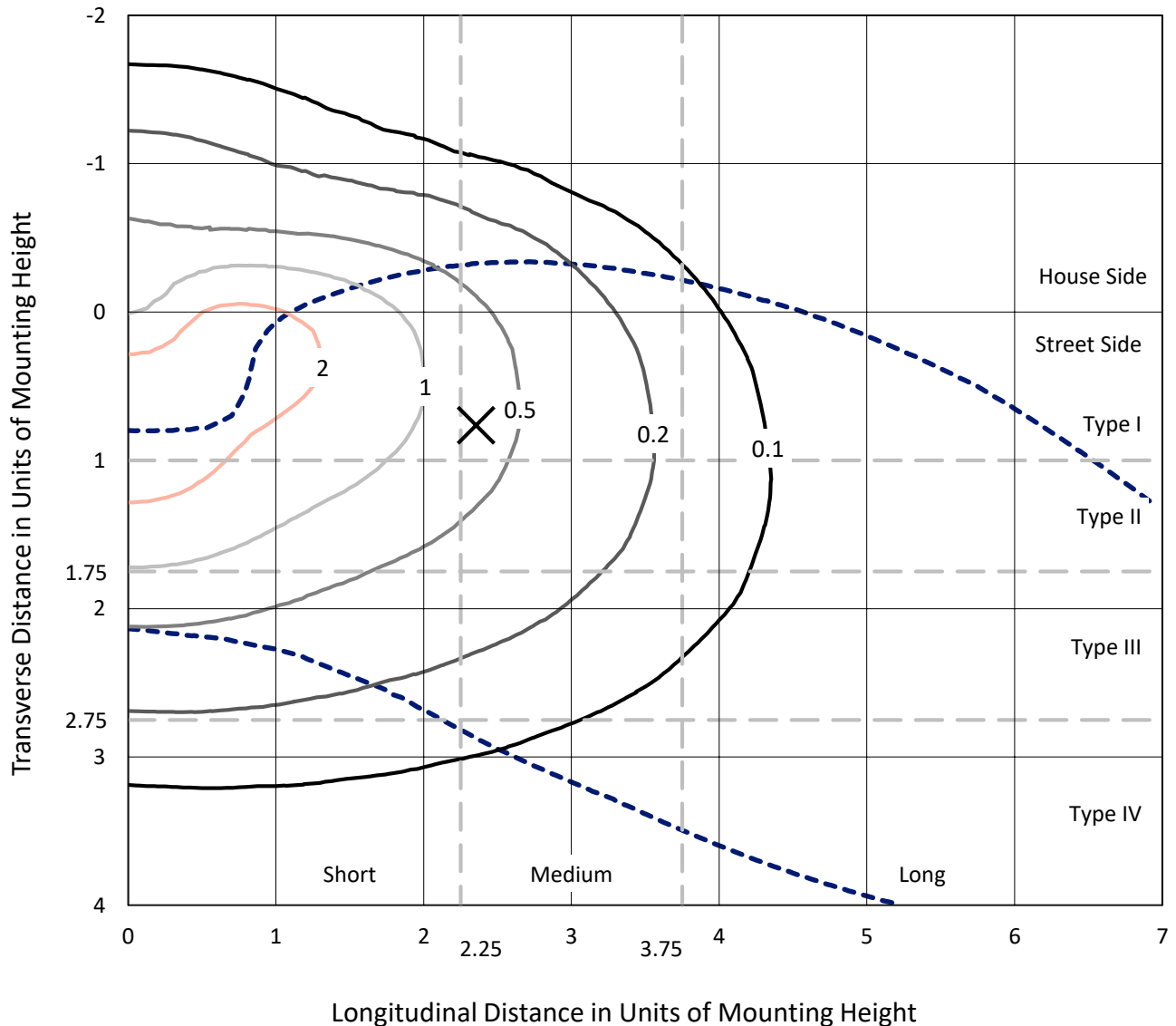


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

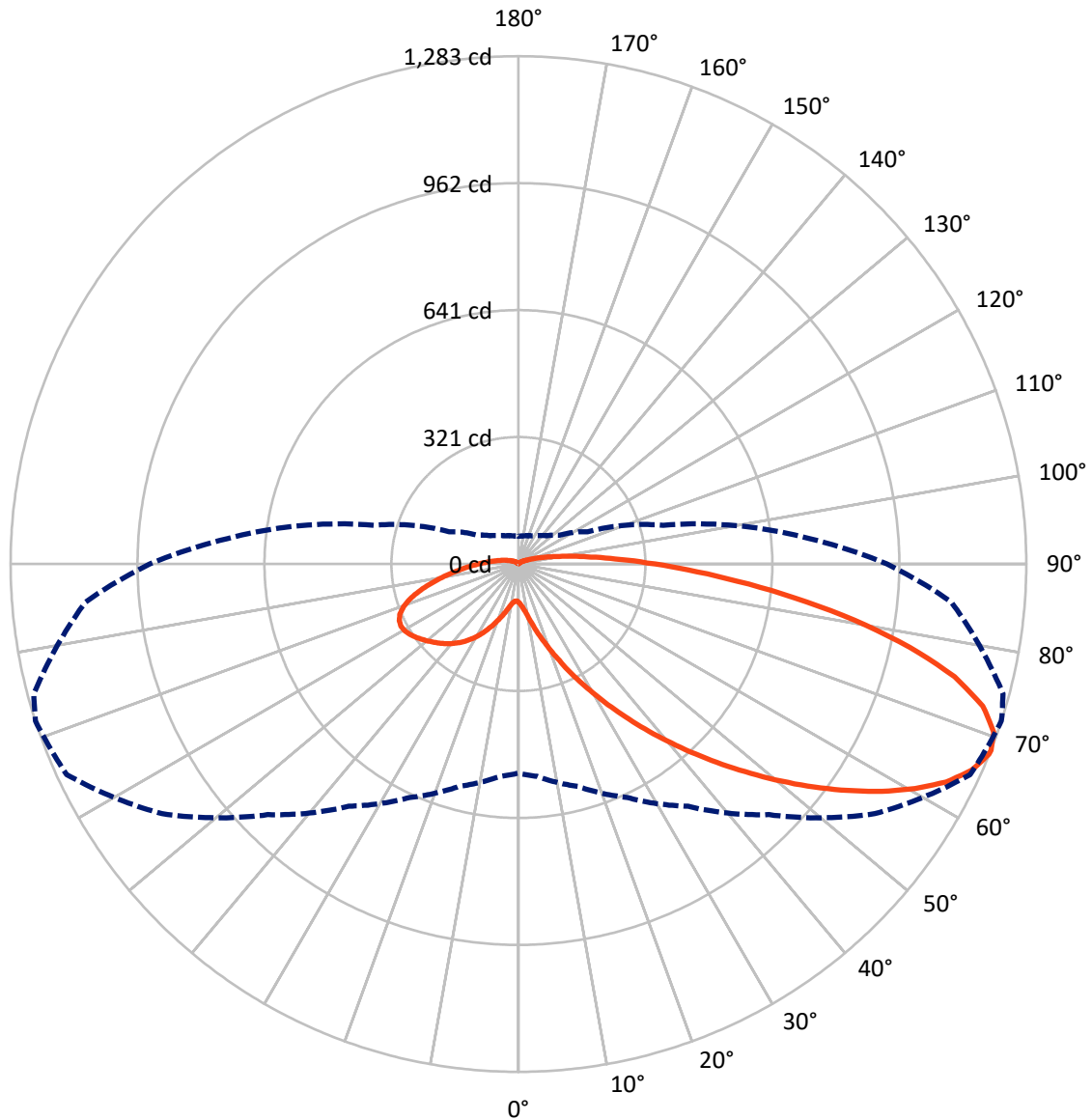


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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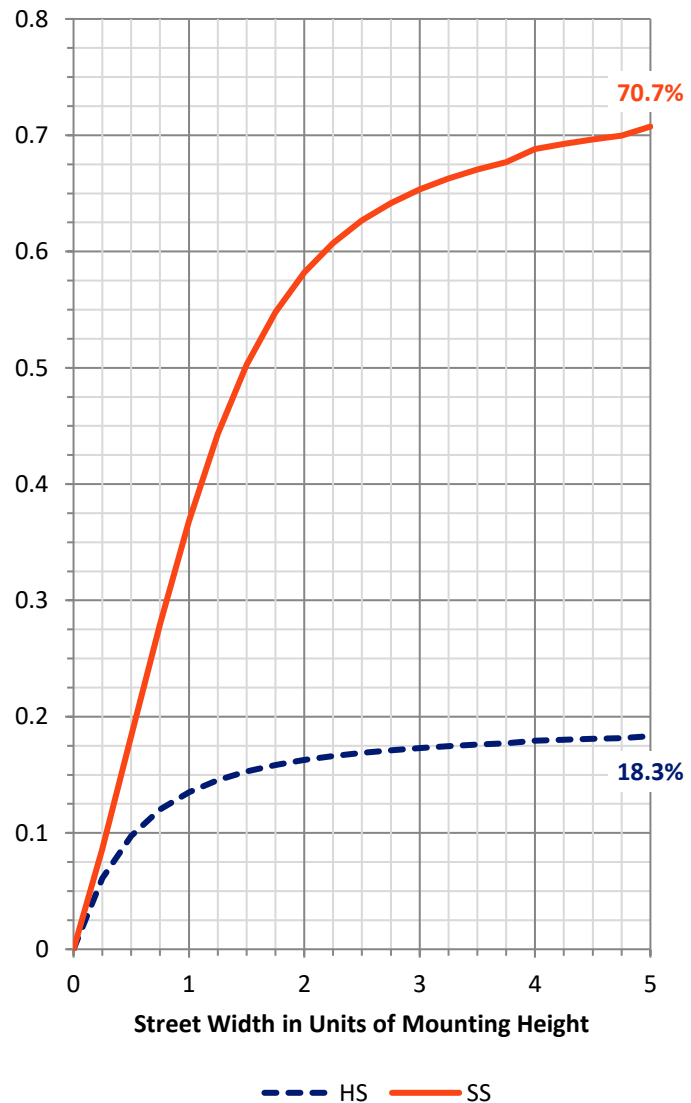
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	511.2	60.9	572.1
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	1962.2	125.5	2087.8
	% Fixture	73.8	4.7	78.5
Total	Lumens	2473.4	186.4	2659.8
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.4
10°-20°	42.2	1.6
20°-30°	104.4	3.9
30°-40°	204.3	7.7
40°-50°	340.5	12.8
50°-60°	485.0	18.2
60°-70°	561.9	21.1
70°-80°	469.3	17.6
80°-90°	255.5	9.6
90°-100°	107.2	4.0
100°-110°	44.7	1.7
110°-120°	20.1	0.8
120°-130°	9.4	0.4
130°-140°	3.9	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2473.4	93.0
0°-180°	2659.8	100.0



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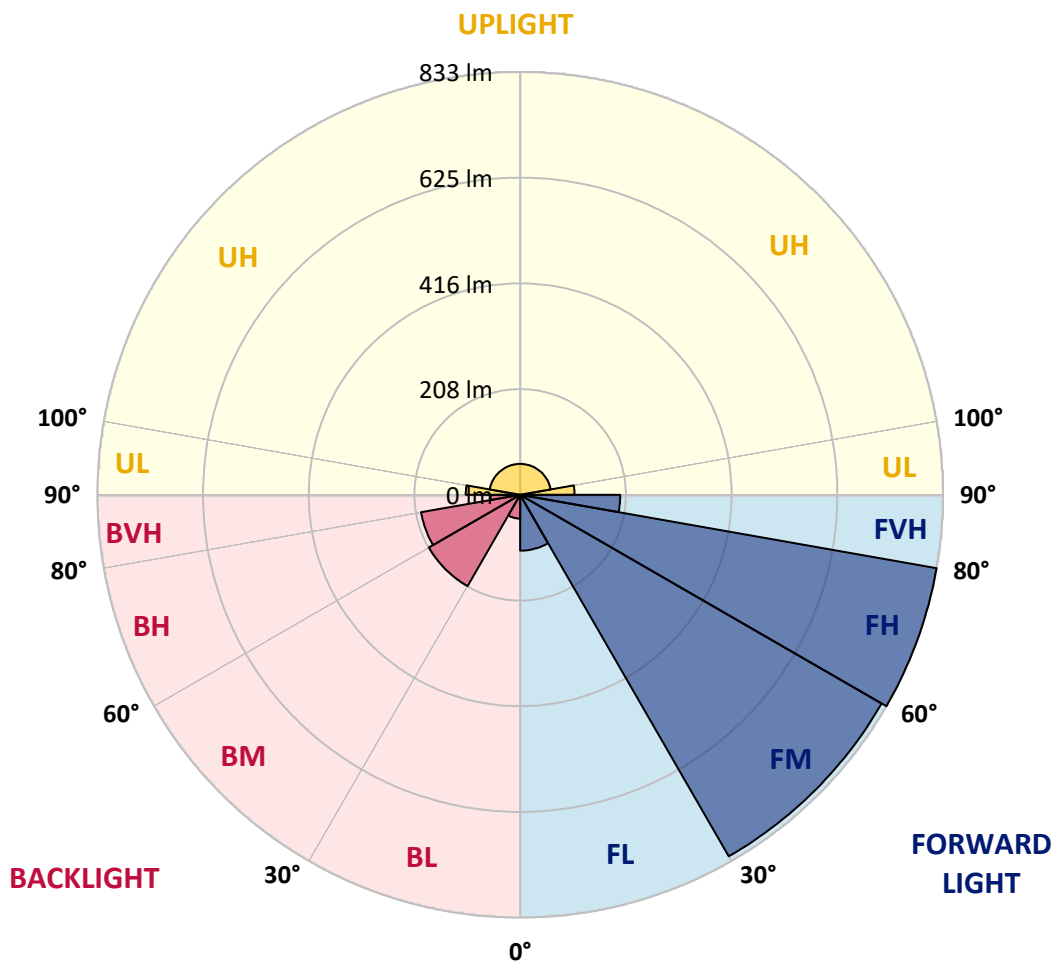
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.0	4.1			
FM	(30°-60°)	822.3	30.9			
FH	(60°-80°)	833.0	31.3			G1/1800
FVH	(80°-90°)	197.0	7.4			G2/225
BL	(0°-30°)	46.8	1.8	B0/110		
BM	(30°-60°)	207.6	7.8	B0/220		
BH	(60°-80°)	198.2	7.5	B1/500		G1/500
BVH	(80°-90°)	58.5	2.2			G1/100
UL	(90°-100°)	107.2	4.0		U3/500	
UH	(100°-180°)	60.9	2.3		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°	75°	85°
0°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2.5°	110.8	110.8	111.0	110.0	109.1	107.9	105.6	103.7	102.0	100.9	99.0
5°	125.9	126.1	125.5	124.4	122.8	120.5	117.0	113.0	109.7	109.1	104.4
7.5°	143.6	143.6	143.0	141.4	139.2	136.0	130.9	125.5	120.7	119.7	112.6
10°	164.2	164.2	163.9	161.2	158.1	154.1	148.0	142.3	136.0	133.8	124.4
12.5°	188.4	188.0	187.0	183.7	180.0	174.9	168.3	161.2	155.0	152.7	141.4
15°	214.7	214.7	213.3	208.9	204.5	198.4	192.4	186.4	178.7	176.0	161.4
17.5°	243.6	243.3	240.6	236.6	230.4	225.7	220.1	213.0	204.5	201.2	184.3
20°	276.1	275.2	271.5	266.1	260.7	254.7	248.9	239.2	232.1	230.1	210.7
22.5°	313.1	311.5	306.9	299.3	292.9	285.7	279.6	271.2	264.7	261.0	241.9
25°	354.7	353.9	348.2	336.1	327.1	318.5	312.5	308.5	302.8	297.3	275.2
27.5°	399.7	397.9	388.5	376.4	362.2	352.9	347.1	344.1	340.7	337.8	311.8
30°	448.1	447.0	434.6	419.5	400.6	388.5	384.6	384.8	384.1	381.2	352.6
32.5°	500.5	499.8	484.5	465.2	441.6	425.5	424.5	429.6	430.6	428.6	396.3
35°	556.8	556.1	538.3	514.4	484.7	466.0	467.3	477.0	481.4	479.8	443.0
37.5°	613.9	613.3	594.8	565.6	529.1	507.6	511.7	527.8	536.2	534.9	492.8
40°	676.9	670.8	651.6	616.6	575.3	551.4	560.5	582.0	594.4	589.6	545.0
42.5°	731.3	727.0	706.1	667.1	621.9	600.2	611.2	639.6	656.3	655.0	600.8
45°	779.5	777.5	756.9	715.2	668.8	646.9	664.7	701.0	721.9	718.3	659.6
47.5°	822.8	819.4	800.7	758.6	711.8	696.0	720.3	764.3	790.1	787.9	720.6
50°	852.1	850.8	834.3	794.2	751.9	738.3	778.4	833.0	862.3	859.5	783.9
52.5°	865.5	865.2	854.1	820.5	786.1	788.3	837.7	903.2	935.6	934.5	849.3
55°	861.1	860.8	856.9	834.6	813.1	829.6	896.9	974.9	1009.9	1009.2	912.9
57.5°	835.3	836.6	842.0	833.9	830.9	867.7	954.0	1044.9	1083.3	1081.2	975.2
60°	785.8	788.9	806.0	816.1	836.0	894.5	1006.9	1113.9	1151.4	1148.2	1031.8
62.5°	717.8	724.9	750.5	781.2	825.9	912.7	1053.9	1175.1	1212.4	1205.3	1071.0
65°	636.8	645.0	679.6	730.1	800.7	915.4	1087.6	1225.2	1257.4	1248.5	1098.4
67.5°	546.7	556.8	598.8	665.0	757.9	900.9	1099.7	1256.1	1281.7	1267.1	1101.1
68°	528.2	538.3	581.7	650.6	746.9	895.3	1099.3	1258.9	1282.7	1267.1	1097.0
70°	456.2	466.8	514.4	590.7	702.7	866.5	1086.2	1255.8	1273.6	1254.8	1070.2
72.5°	374.1	384.8	432.7	513.7	635.1	807.7	1040.1	1218.1	1226.5	1204.4	1005.2
75°	300.5	311.5	357.5	439.4	561.8	737.8	963.8	1139.4	1137.8	1111.8	907.3
77.5°	237.8	247.9	291.7	369.1	486.4	652.3	865.5	1022.0	1011.0	983.6	782.9
80°	187.0	196.1	235.9	306.9	413.8	562.8	748.2	879.0	860.5	832.5	648.9
82.5°	146.1	154.4	189.5	252.3	346.8	475.7	621.9	727.9	702.5	676.9	520.4
85°	114.1	120.7	151.8	205.9	286.6	393.3	511.7	581.4	554.4	532.2	405.8
87.5°	89.1	95.0	121.1	167.2	236.6	319.5	408.1	452.7	427.6	409.4	311.2
90°	70.0	74.0	97.6	135.6	190.7	257.6	320.5	347.6	324.9	310.9	237.5
92.5°	55.5	58.5	77.8	110.0	153.7	204.5	248.3	263.5	244.6	234.2	180.3
95°	44.3	46.7	62.9	89.8	125.1	161.9	191.1	198.9	184.1	176.0	136.9
97.5°	36.3	38.0	51.8	73.0	100.3	128.5	148.0	151.1	139.0	132.9	104.7
100°	30.3	31.4	42.7	60.5	81.3	102.2	115.4	115.7	105.6	100.6	79.7
102.5°	25.5	26.2	35.7	50.5	67.4	82.0	90.8	89.1	80.0	76.0	61.3
105°	21.9	22.5	30.0	42.4	56.1	66.7	71.7	69.0	61.3	58.2	47.4
107.5°	19.1	19.6	25.2	35.7	47.2	54.8	57.9	54.2	47.4	44.7	37.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	16.8	17.2	21.5	30.6	39.6	46.2	47.2	42.7	37.0	34.9	30.0
112.5°	14.8	15.1	18.9	26.0	34.0	38.6	39.0	34.3	29.3	27.6	24.3
115°	13.5	13.8	16.4	22.2	28.9	32.6	32.2	27.6	23.1	21.9	19.9
117.5°	12.4	12.8	14.8	19.1	25.0	27.6	26.9	22.5	18.9	17.8	16.8
120°	11.5	11.8	13.1	16.4	21.2	23.5	22.2	18.1	15.5	14.8	14.2
122.5°	10.8	10.8	11.8	14.5	18.1	19.9	18.5	15.1	12.8	12.0	12.0
125°	9.7	10.2	10.8	12.4	15.5	16.8	15.5	12.4	10.4	10.4	10.4
127.5°	9.4	9.4	9.7	11.0	13.1	14.2	12.8	10.2	8.8	8.8	9.2
130°	8.8	8.8	8.8	9.7	11.0	11.5	10.2	8.1	7.4	7.4	7.7
132.5°	8.1	8.1	8.1	8.4	9.2	9.2	8.1	6.7	6.4	6.4	6.7
135°	7.4	7.4	7.0	7.0	7.4	7.0	6.4	5.4	5.0	5.4	5.7
137.5°	6.4	6.4	6.4	6.1	5.7	5.4	4.4	4.0	4.0	4.4	4.8
140°	5.4	5.4	5.4	4.8	4.4	3.8	3.1	2.6	3.1	3.4	3.8
142.5°	4.4	4.4	4.4	3.8	3.1	2.3	1.6	1.6	2.1	2.3	2.6
145°	3.4	3.4	3.4	2.6	2.1	1.3	1.0	1.3	1.6	1.6	2.1
147.5°	2.3	2.3	2.3	1.6	1.0	0.3	0.3	1.0	1.3	1.3	1.6
150°	1.3	1.3	1.3	0.7	0.3	0.0	0.0	0.7	1.0	1.0	1.3
152.5°	0.3	0.3	0.7	0.3	0.0	0.0	0.0	0.3	0.7	0.7	1.0
155°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2.5°	97.6	96.6	94.2	91.8	89.8	88.2	86.7	86.1	85.5	85.1	84.4
5°	102.0	99.6	95.0	90.5	86.4	83.2	79.7	77.8	76.4	75.4	75.0
7.5°	109.4	105.6	98.5	91.8	85.5	79.4	75.4	72.7	70.2	69.0	68.6
10°	120.2	115.4	104.9	95.2	86.4	78.7	73.0	69.0	66.3	64.9	64.9
12.5°	135.6	128.5	114.8	101.2	89.1	79.4	72.4	68.6	66.7	65.5	65.5
15°	154.8	145.3	127.5	110.0	94.5	82.5	75.4	71.3	69.3	68.4	68.4
17.5°	176.0	163.9	141.7	119.5	99.9	87.9	78.7	74.0	71.7	70.6	70.6
20°	200.1	186.4	156.8	128.8	107.0	92.9	82.5	76.4	74.0	73.3	73.0
22.5°	227.7	209.9	173.3	138.6	114.1	96.8	85.5	78.4	76.4	75.6	75.6
25°	258.4	236.9	191.1	148.9	119.7	99.9	87.9	80.8	78.4	78.1	77.8
27.5°	290.6	265.4	208.9	159.1	124.1	101.6	89.1	82.7	80.0	80.0	79.7
30°	328.3	295.4	226.1	167.5	126.8	102.2	89.6	83.7	81.3	81.7	82.0
32.5°	366.0	327.1	243.3	174.9	128.8	102.5	89.6	84.1	81.7	82.7	82.7
35°	406.0	359.6	259.7	181.0	129.8	102.2	89.6	84.8	82.0	83.2	83.5
37.5°	448.1	392.9	275.5	185.7	130.6	102.0	89.6	84.8	82.5	83.5	83.5
40°	491.2	426.2	290.6	189.1	130.6	101.6	89.1	84.8	83.2	83.2	83.5
42.5°	537.5	460.9	304.4	191.8	130.6	100.9	89.1	84.8	82.5	82.7	83.2
45°	586.8	496.6	317.6	193.8	130.2	100.9	88.8	84.4	82.0	81.7	82.0
47.5°	634.8	533.6	330.3	195.8	129.8	101.2	88.8	84.1	81.3	80.0	80.4
50°	687.9	572.0	343.4	197.2	130.2	101.2	89.1	83.7	80.4	78.7	79.1
52.5°	740.5	610.3	356.3	198.9	130.2	101.6	89.1	83.2	79.4	77.1	77.3
55°	796.0	648.2	368.8	200.5	130.6	102.0	89.6	82.5	78.4	75.6	76.0
57.5°	844.3	684.6	379.9	201.5	130.6	102.5	89.6	82.0	77.3	74.3	74.3
60°	888.9	718.3	388.8	201.8	130.6	102.5	89.6	81.3	76.6	73.0	73.0
62.5°	922.4	740.7	393.3	201.2	129.8	102.5	89.1	80.8	76.0	72.0	72.0
65°	939.5	750.5	391.2	198.9	129.1	102.2	88.8	79.7	75.0	71.3	71.0
67.5°	935.2	743.1	381.5	194.2	127.5	101.2	87.9	78.4	74.3	70.6	70.0
68°	930.9	737.4	378.5	192.7	126.5	100.9	87.5	78.4	74.0	70.6	70.0
70°	901.2	712.9	362.6	187.0	124.9	99.6	86.4	77.1	73.0	70.0	69.3
72.5°	838.7	659.6	336.1	177.2	120.7	97.2	84.1	75.4	71.7	69.0	67.9
75°	748.8	588.7	302.8	165.8	115.7	94.2	81.0	73.0	69.6	67.4	66.3
77.5°	646.6	505.2	266.1	152.1	109.7	90.5	77.8	70.2	67.4	65.2	63.6
80°	534.9	419.5	229.1	137.6	102.9	85.8	74.0	67.0	64.3	62.0	60.5
82.5°	428.9	339.7	194.2	123.7	95.0	79.7	69.6	62.9	60.2	58.2	56.6
85°	336.1	270.7	162.5	109.7	87.5	74.3	64.9	58.5	56.1	53.8	52.1
87.5°	260.4	213.0	136.3	96.6	79.1	68.4	60.2	54.2	51.5	48.8	47.4
90°	201.2	167.5	112.6	84.1	71.7	62.6	55.2	49.4	46.4	44.0	42.7
92.5°	155.0	132.2	93.6	73.8	63.9	56.6	50.1	45.0	41.7	38.6	37.6
95°	120.2	104.7	77.8	63.9	56.9	50.8	45.5	40.3	36.7	33.6	32.6
97.5°	93.6	82.7	64.6	55.2	50.1	45.0	40.3	36.0	32.2	28.6	27.8
100°	72.4	65.5	54.2	47.8	44.0	39.6	35.7	32.0	27.6	24.3	23.9
102.5°	56.9	52.6	45.5	41.4	38.4	34.9	31.6	27.8	23.5	20.2	19.9
105°	45.0	42.4	38.0	35.4	33.2	30.6	27.8	24.3	19.6	16.8	16.8
107.5°	36.0	34.3	32.0	30.3	28.9	26.6	24.3	20.5	16.2	13.8	14.2



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.3	28.2	26.9	26.2	25.2	23.1	20.9	17.4	13.5	11.5	11.8
112.5°	23.9	23.5	22.8	22.5	21.9	20.2	17.8	14.5	10.8	9.7	9.7
115°	19.9	19.6	19.6	19.1	18.9	17.4	15.1	12.0	8.8	8.1	8.1
117.5°	16.8	16.8	16.4	16.4	16.2	14.8	12.8	10.2	7.0	6.7	6.7
120°	14.2	14.2	14.2	14.2	13.8	12.4	10.8	8.1	5.7	5.7	5.7
122.5°	12.0	12.4	12.0	12.0	11.8	10.8	8.8	6.4	4.8	4.8	5.0
125°	10.4	10.4	10.4	10.2	9.7	8.8	7.0	5.0	4.0	4.0	4.0
127.5°	9.2	9.2	9.2	8.8	8.1	7.4	5.7	4.0	3.4	3.4	3.4
130°	8.1	7.7	7.7	7.4	6.7	5.7	4.4	3.1	2.6	2.6	2.6
132.5°	6.7	6.7	6.4	6.1	5.4	4.4	3.4	2.1	2.1	2.3	2.3
135°	5.7	5.7	5.4	4.8	4.0	3.4	2.3	1.6	1.6	1.6	1.6
137.5°	4.8	4.8	4.4	3.8	3.1	2.1	1.3	1.0	1.0	1.3	1.3
140°	3.8	3.8	3.4	2.6	2.1	1.3	0.7	0.3	0.7	0.7	0.7
142.5°	2.6	2.6	2.3	1.6	1.0	0.7	0.0	0.3	0.3	0.3	0.3
145°	2.1	2.1	1.6	1.3	0.7	0.3	0.0	0.0	0.3	0.0	0.0
147.5°	1.6	1.6	1.3	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.0	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)