

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: P266002

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266002
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-AF24-20-D-U-SL3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA 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: 1949.1 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

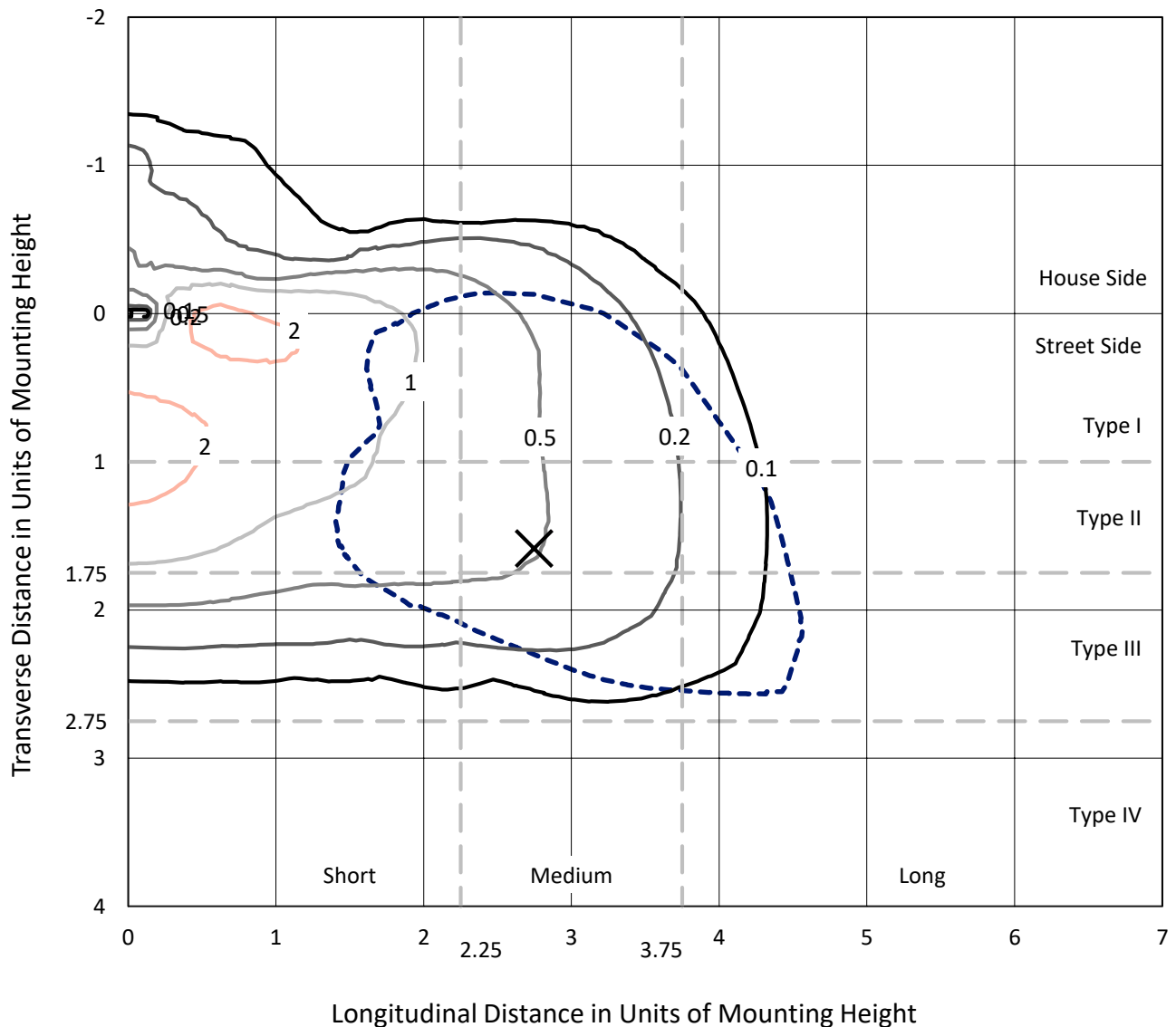


REPORT NUMBER: P266002

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

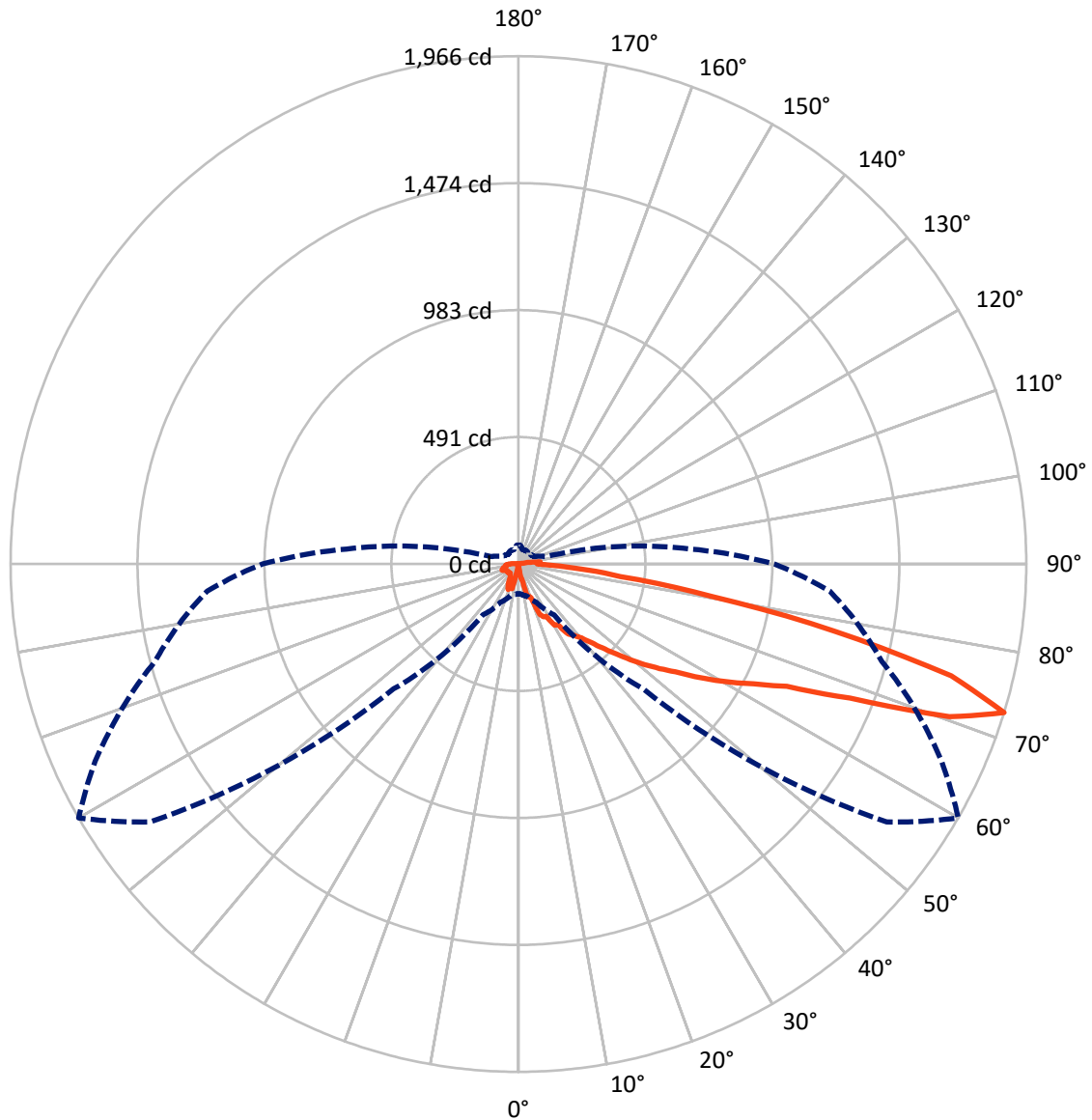


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P266002

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7027

Luminous Intensity Polar Plot



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



REPORT NUMBER: P266002

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7027

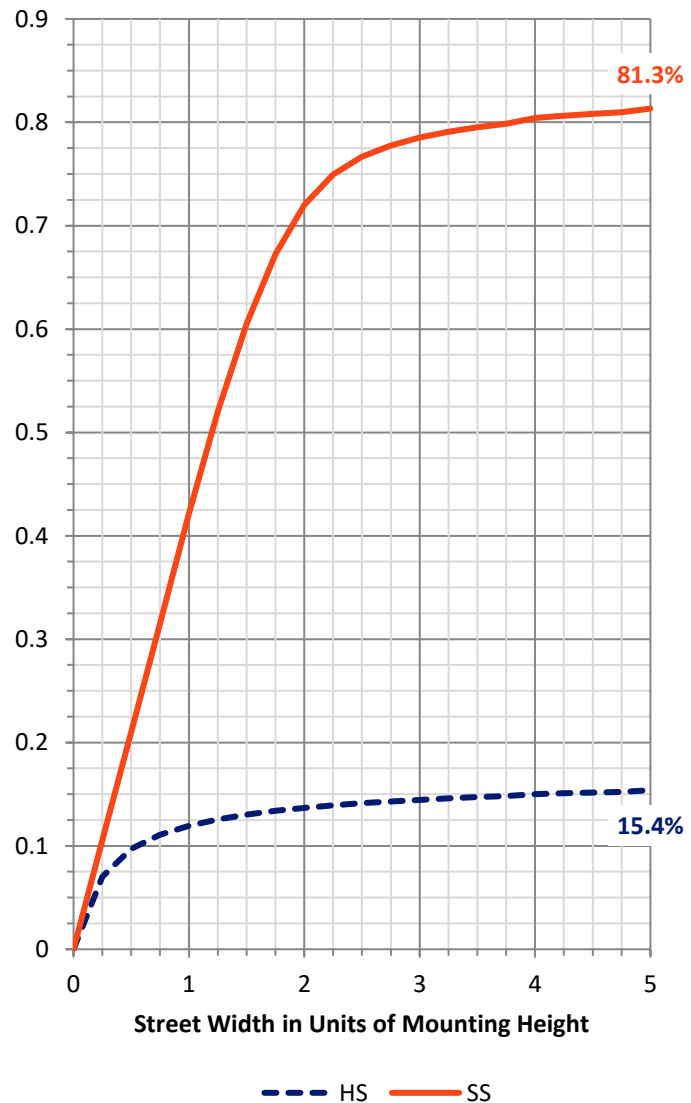
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	316.3	12.7	328.9
	% Fixture	16.2	0.6	16.9
Street Side	Lumens	1604.0	16.2	1620.2
	% Fixture	82.3	0.8	83.1
Total	Lumens	1920.3	28.9	1949.1
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	26.1	1.3
20°-30°	76.6	3.9
30°-40°	152.7	7.8
40°-50°	262.5	13.5
50°-60°	401.6	20.6
60°-70°	506.2	26.0
70°-80°	402.9	20.7
80°-90°	89.6	4.6
90°-100°	25.2	1.3
100°-110°	2.5	0.1
110°-120°	0.5	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1920.3	98.5
0°-180°	1949.1	100.0



REPORT NUMBER: P266002

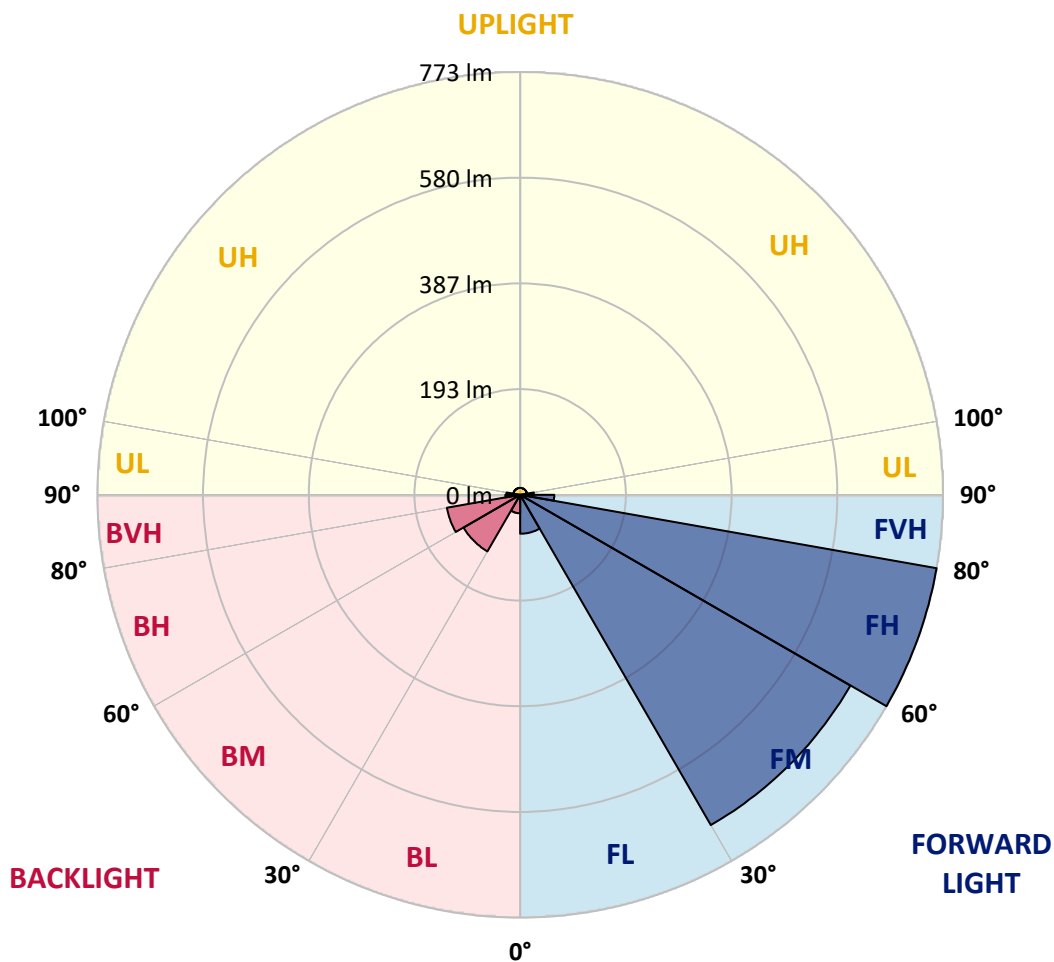
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.2	3.7			
FM	(30°-60°)	697.3	35.8			
FH	(60°-80°)	773.2	39.7			G1/1800
FVH	(80°-90°)	62.3	3.2			G1/100
BL	(0°-30°)	33.7	1.7	B0/110		
BM	(30°-60°)	119.4	6.1	B0/220		
BH	(60°-80°)	135.9	7.0	B1/500		G1/500
BVH	(80°-90°)	27.3	1.4			G1/100
UL	(90°-100°)	25.2	1.3		U2/50	
UH	(100°-180°)	12.7	0.6		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





REPORT NUMBER: P266002

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.0	1.2	1.0	1.2	1.2	1.0	0.7	1.0	1.0	1.0	0.7
5°	59.6	60.5	54.0	42.2	8.2	5.7	1.9	1.2	1.2	1.0	1.0
7.5°	60.1	60.6	63.3	62.3	63.5	60.6	21.1	6.3	2.6	1.2	1.0
10°	64.8	64.5	63.8	65.2	64.9	61.9	59.6	57.0	12.9	1.6	1.4
12.5°	125.0	125.5	122.3	98.9	68.8	63.8	61.7	59.6	48.7	34.8	80.8
15°	125.9	125.1	121.8	127.1	125.1	73.1	102.3	130.8	131.6	97.8	112.5
17.5°	132.4	130.8	126.7	123.0	122.3	146.1	137.4	130.3	132.6	113.9	121.8
20°	180.1	178.5	176.2	171.9	131.0	166.6	166.1	138.9	140.0	227.4	221.5
22.5°	183.0	180.1	178.5	176.0	195.9	163.9	197.1	211.2	212.0	241.3	233.7
25°	243.1	242.3	227.1	183.0	195.4	186.3	226.2	226.6	221.8	253.7	278.7
27.5°	269.3	261.6	247.8	239.6	201.2	222.5	225.7	229.2	288.3	344.0	335.4
30°	361.8	351.7	276.5	269.3	238.4	225.8	260.4	274.2	298.1	345.3	347.5
32.5°	417.7	404.1	366.1	335.4	282.7	248.4	278.7	280.6	300.3	430.5	439.4
35°	516.3	498.3	410.3	373.5	330.1	295.9	288.7	333.8	360.7	449.4	454.9
37.5°	535.5	535.5	510.2	445.3	378.8	332.2	339.7	350.6	378.1	483.8	481.5
40°	554.4	556.6	561.4	506.3	431.6	385.2	374.1	375.8	401.6	523.4	513.1
42.5°	601.3	599.7	607.7	553.1	502.6	444.1	425.8	416.8	435.5	574.6	553.1
45°	682.7	682.7	676.8	602.7	556.3	503.1	485.9	469.0	475.7	624.6	608.2
47.5°	783.4	772.2	740.3	660.2	603.3	558.2	543.8	528.3	531.6	684.1	673.5
50°	858.9	846.9	786.0	701.8	641.8	615.8	608.8	597.4	592.5	740.7	745.1
52.5°	875.3	860.7	806.9	727.5	674.3	675.3	682.4	666.0	650.4	801.6	817.2
55°	855.4	847.2	813.7	747.0	704.8	725.7	757.4	736.4	729.5	868.3	887.3
57.5°	815.8	812.3	810.5	763.3	725.4	780.7	853.4	830.2	812.0	929.9	937.8
60°	732.1	733.2	755.1	763.0	762.5	838.7	943.0	924.1	889.1	989.5	997.7
62.5°	584.5	593.1	650.4	706.2	782.5	927.5	1028.5	1022.0	984.4	1057.2	1056.0
65°	369.1	385.4	470.5	596.8	755.4	1049.1	1166.9	1141.4	1092.2	1135.6	1153.7
67.5°	199.6	205.3	252.6	393.3	654.0	1106.2	1466.8	1383.6	1269.9	1261.3	1264.6
70°	144.1	145.7	158.0	217.3	408.9	1014.0	1731.6	1769.9	1551.3	1396.5	1307.7
72.5°	114.2	117.3	128.9	163.3	240.7	683.4	1740.5	1965.6	1807.3	1456.1	1209.3
75°	78.6	83.5	104.1	140.6	217.0	341.3	1415.8	1730.1	1744.8	1335.9	961.0
77.5°	42.0	42.7	47.5	108.9	205.7	246.2	914.6	1251.7	1248.9	939.3	520.6
80°	34.0	34.6	36.4	47.0	176.2	251.3	490.8	758.0	694.4	365.0	189.7
82.5°	22.3	23.7	29.0	31.9	79.1	242.5	291.6	397.1	316.7	132.0	118.9
85°	13.1	14.6	21.1	23.4	37.6	283.0	261.6	239.0	183.0	93.2	89.4
87.5°	4.5	4.5	6.3	8.2	12.4	81.0	136.7	109.4	83.9	61.9	73.7
90°	2.3	2.6	1.4	1.4	5.5	25.0	73.1	72.7	57.0	60.6	78.6
92.5°	2.6	2.6	1.4	1.4	5.7	14.8	78.0	83.5	67.5	68.1	85.1
95°	2.9	3.1	1.2	1.2	5.5	10.3	68.6	84.9	65.9	61.7	74.1
97.5°	3.1	3.4	1.2	1.0	3.7	7.9	34.6	48.5	38.1	29.0	32.3
100°	2.9	3.1	0.7	0.7	1.6	5.3	13.1	18.0	16.3	6.6	3.9
102.5°	2.9	3.1	0.7	0.4	0.7	2.9	2.9	6.6	4.1	2.2	3.1
105°	2.9	3.1	0.7	0.4	0.2	1.4	1.0	1.2	1.4	1.9	3.7
107.5°	1.6	1.9	0.4	0.4	0.2	0.2	0.4	0.4	1.0	1.4	3.1
110°	0.7	0.7	0.2	0.2	0.0	0.2	0.2	0.4	1.0	1.2	1.6



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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	0.2	0.4	0.7	1.0	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	1.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.7
140°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
142.5°	0.4	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.4	0.7	0.7
145°	0.7	0.4	0.4	0.2	0.0	0.0	0.2	0.4	0.7	0.7	0.7
147.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.2	0.4	0.7	1.0	1.0
150°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.2	0.2	0.4
7.5°	0.7	0.7	0.7	0.4	0.4	0.2	44.3	51.6	59.2	58.0	56.4
10°	1.2	1.2	1.2	1.0	2.9	53.2	59.6	57.0	55.9	55.3	56.1
12.5°	81.7	96.4	32.1	4.9	47.3	52.0	53.2	50.3	52.0	52.6	51.1
15°	112.2	110.0	101.1	104.1	92.5	50.1	47.7	71.0	70.7	70.4	70.4
17.5°	121.4	115.3	100.0	105.7	92.5	75.9	59.0	56.4	54.4	54.6	54.2
20°	218.5	204.4	158.0	102.9	81.0	81.2	50.1	43.4	54.4	63.5	64.8
22.5°	220.2	206.5	165.5	133.3	81.0	64.3	49.1	51.4	61.7	67.5	68.4
25°	276.9	250.4	162.6	112.6	81.2	52.3	52.3	49.3	56.1	64.0	65.2
27.5°	316.1	285.1	198.3	110.5	61.2	51.1	46.7	47.3	59.9	65.4	65.7
30°	316.6	280.1	186.6	92.9	50.8	44.3	42.2	49.3	52.6	56.1	56.4
32.5°	411.5	357.0	209.6	74.6	45.4	40.1	42.4	47.0	53.0	61.9	62.8
35°	411.5	351.1	182.4	68.6	42.8	40.2	43.7	50.3	50.7	57.3	58.7
37.5°	423.0	350.6	154.1	57.3	44.8	40.2	45.5	47.3	49.3	56.4	56.7
40°	441.0	355.5	126.1	52.3	44.3	43.8	44.3	46.5	46.1	50.7	50.8
42.5°	470.7	366.9	104.8	50.7	44.1	46.1	44.8	44.1	41.5	54.4	54.6
45°	514.4	392.5	89.2	50.7	44.3	49.1	46.4	42.7	40.1	65.7	67.6
47.5°	565.7	424.7	82.0	51.8	45.4	49.9	44.1	42.7	42.7	71.2	72.1
50°	627.0	461.5	78.6	52.7	48.5	49.3	45.5	45.4	47.3	66.1	65.9
52.5°	692.1	507.2	78.2	54.2	50.7	47.5	51.6	48.5	42.2	48.5	48.5
55°	756.6	563.2	77.4	54.6	49.3	48.7	52.7	43.2	35.9	39.3	39.9
57.5°	818.6	616.7	80.3	52.7	49.1	48.7	50.3	43.2	37.2	40.2	41.2
60°	882.0	676.5	97.3	49.9	50.1	47.5	50.1	46.7	41.1	48.7	49.6
62.5°	958.8	758.7	132.6	52.6	50.8	48.1	49.9	49.6	42.7	46.5	47.5
65°	1068.5	850.3	153.5	61.9	53.0	50.3	49.9	53.7	47.7	45.4	45.5
67.5°	1143.8	883.7	148.8	69.8	58.3	51.8	54.0	57.9	51.1	51.6	51.4
70°	1130.2	824.5	129.4	73.7	61.7	53.2	58.3	57.5	53.7	61.2	60.6
72.5°	990.3	668.2	109.9	67.6	60.6	53.7	59.2	59.0	58.3	73.4	73.4
75°	737.6	448.4	95.2	62.2	58.0	53.2	58.0	58.5	58.0	75.1	75.5
77.5°	362.0	223.9	80.8	55.9	53.7	54.4	57.3	57.5	56.9	72.9	72.9
80°	161.9	122.8	61.7	47.0	51.8	57.3	57.5	55.3	56.4	69.1	68.8
82.5°	112.2	88.3	40.2	41.2	58.0	62.2	58.7	54.2	53.4	63.2	62.2
85°	81.6	64.9	24.8	35.0	63.5	58.7	55.7	48.9	46.7	53.4	52.3
87.5°	65.7	51.8	15.1	29.3	58.0	51.6	46.4	40.2	37.4	41.2	39.3
90°	71.0	55.9	15.1	25.4	47.7	38.5	34.0	30.0	27.0	27.4	26.1
92.5°	76.4	59.5	16.1	21.1	35.3	22.3	22.7	20.9	16.6	14.8	13.5
95°	59.0	44.6	14.2	17.4	21.1	13.7	17.4	15.8	11.3	7.9	6.6
97.5°	26.1	21.1	12.7	14.0	14.8	11.3	14.8	12.7	6.6	3.9	3.4
100°	3.1	5.3	11.0	13.5	10.8	7.6	9.8	7.6	2.9	1.0	0.7
102.5°	3.4	2.3	4.9	11.9	6.3	2.3	2.9	2.9	1.2	0.4	0.4
105°	3.7	2.6	1.9	6.3	1.4	0.4	0.2	0.2	0.2	0.4	0.4
107.5°	3.4	2.3	1.2	1.0	0.7	0.4	0.0	0.0	0.0	0.4	0.7
110°	1.9	1.6	1.2	1.0	0.7	0.4	0.0	0.0	0.0	0.7	1.0



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.0	0.7	0.4	0.2	0.0	0.0	0.0	1.0	1.2
115°	1.6	1.4	1.0	0.7	0.4	0.2	0.0	0.0	0.0	1.2	1.4
117.5°	1.9	1.6	1.0	0.7	0.4	0.0	0.0	0.0	0.0	1.4	1.4
120°	1.9	1.6	1.0	0.7	0.2	0.0	0.0	0.0	0.0	1.2	1.4
122.5°	1.9	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.2	1.4
125°	1.6	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.2	1.2
127.5°	1.6	1.4	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.0	1.2
130°	1.4	1.4	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.7	1.0
132.5°	1.2	1.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.4
135°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	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)