

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: P254572

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3179.4 lumens
Efficiency: N/A
Efficacy: 102.6 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): 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

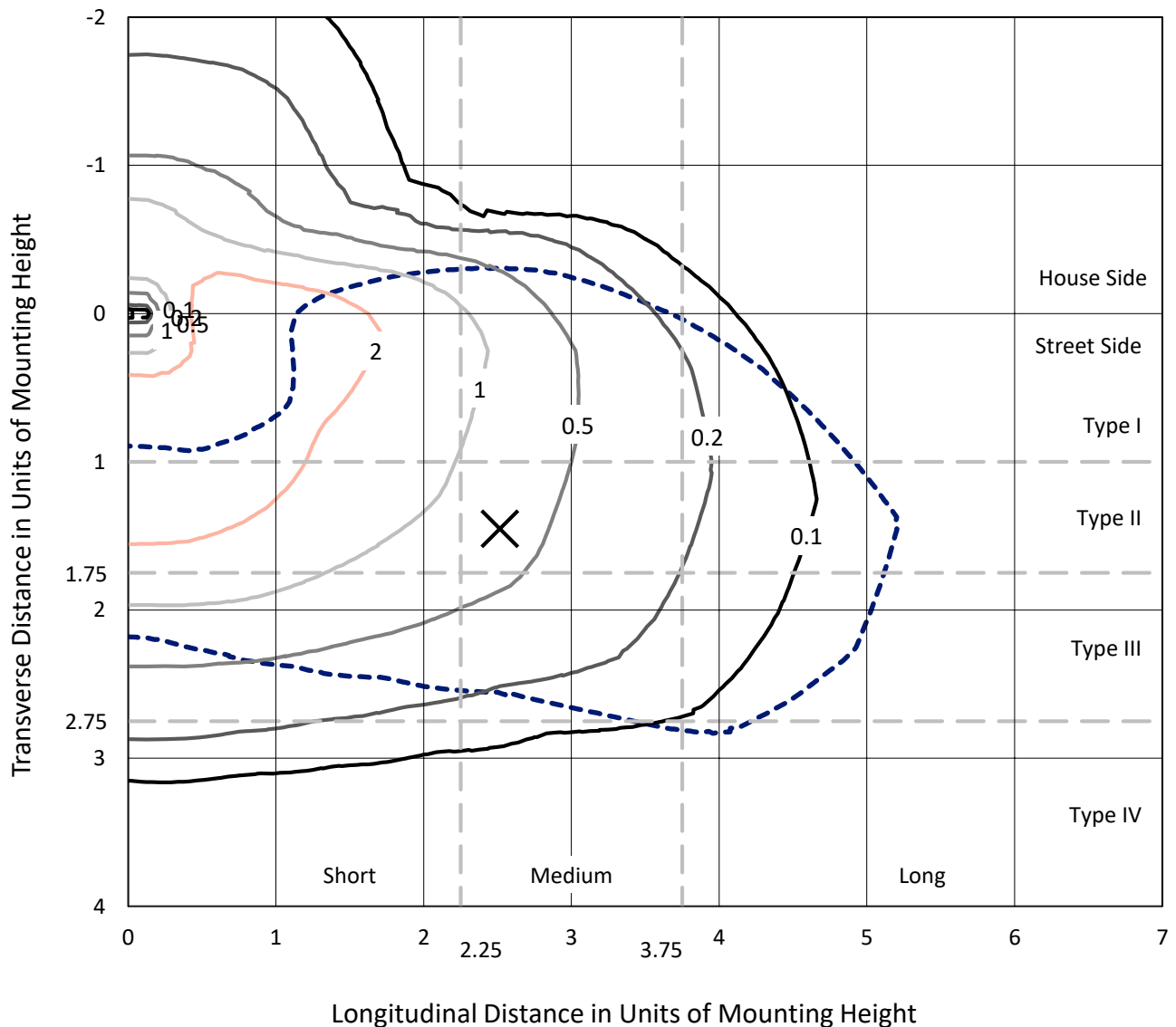


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

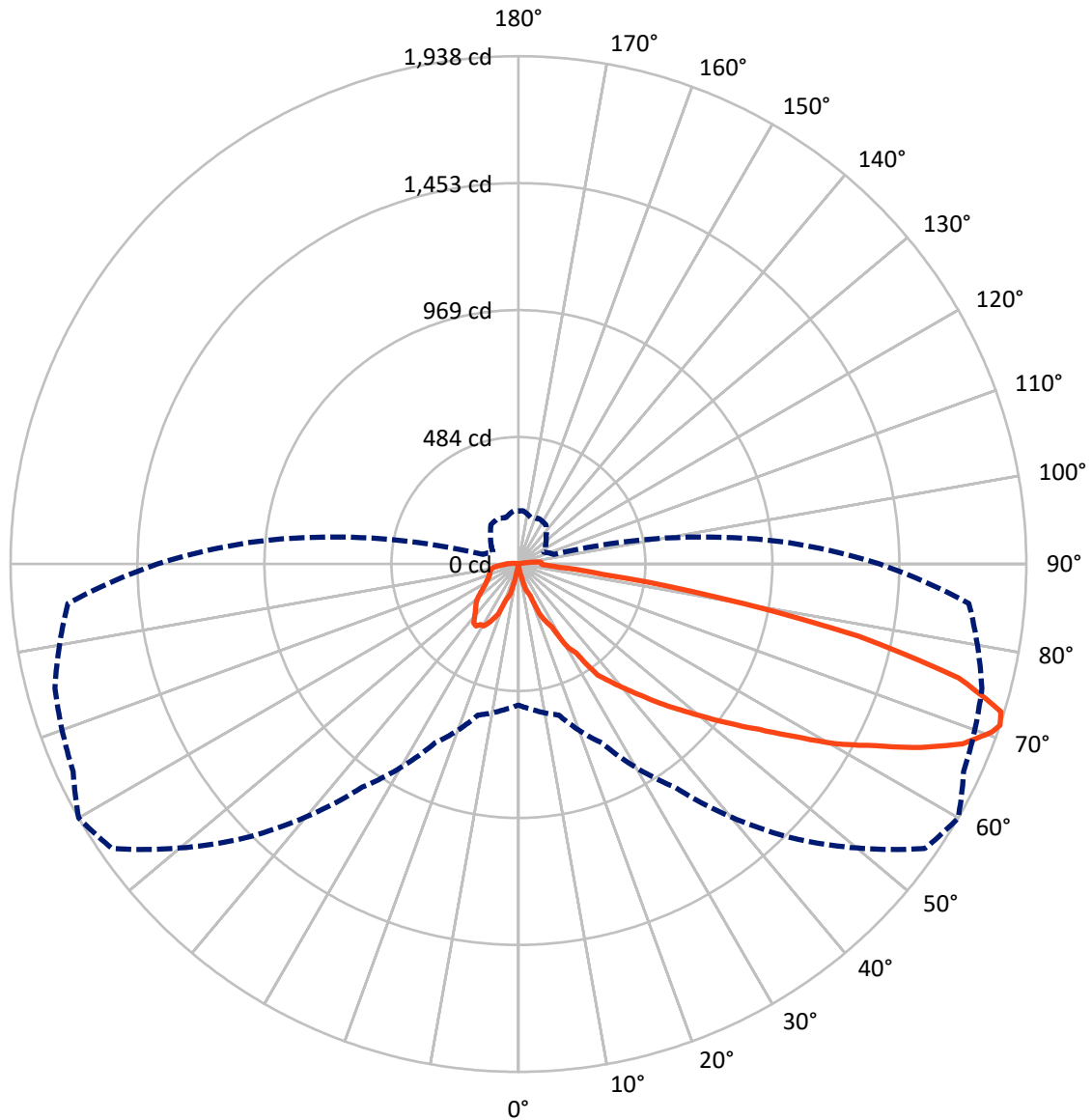


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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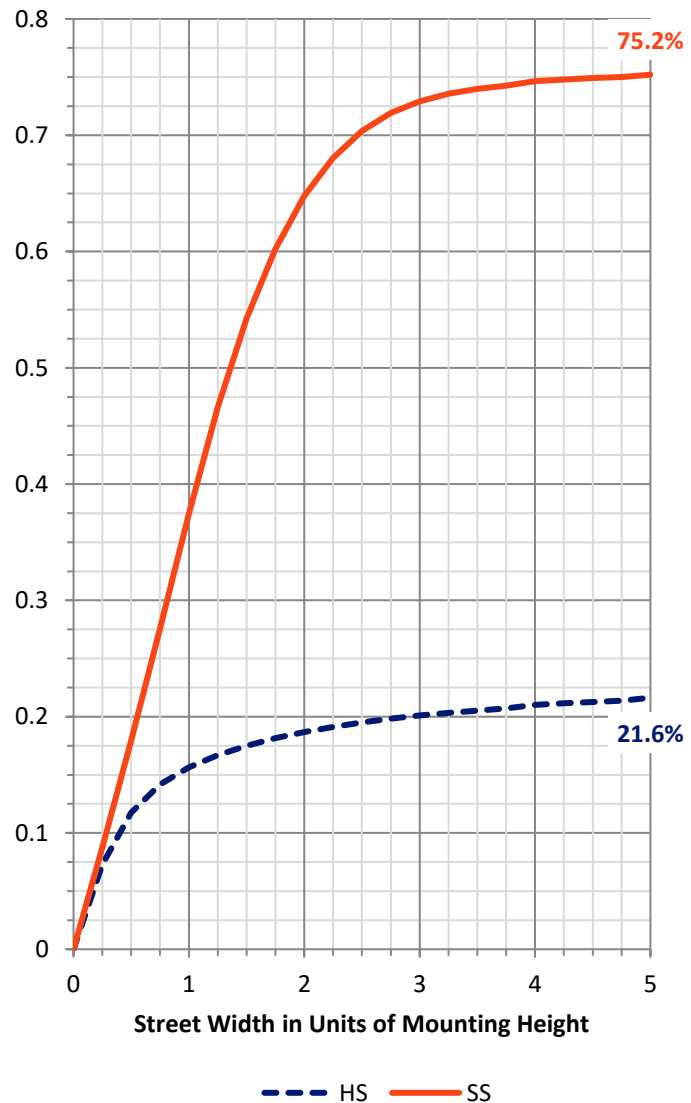
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.3	23.4	745.7
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	2410.9	22.8	2433.7
	% Fixture	75.8	0.7	76.5
Total	Lumens	3133.2	46.3	3179.4
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	28.6	0.9
20°-30°	117.2	3.7
30°-40°	263.6	8.3
40°-50°	457.6	14.4
50°-60°	693.4	21.8
60°-70°	854.6	26.9
70°-80°	582.4	18.3
80°-90°	134.0	4.2
90°-100°	40.9	1.3
100°-110°	3.8	0.1
110°-120°	0.6	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°	3133.2	98.5
0°-180°	3179.4	100.0



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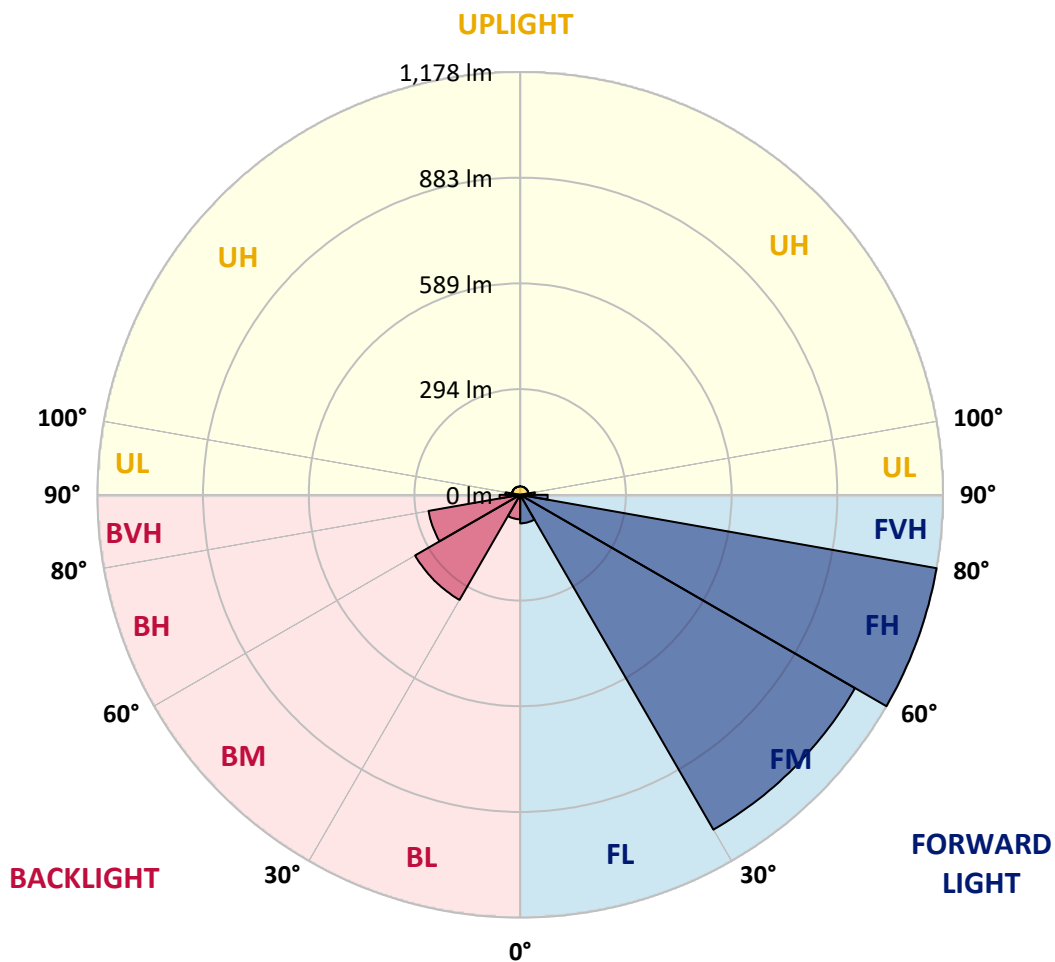
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.4	2.5			
FM	(30°-60°)	1076.9	33.9			
FH	(60°-80°)	1177.7	37.0			G1/1800
FVH	(80°-90°)	76.8	2.4			G1/100
BL	(0°-30°)	68.1	2.1	B0/110		
BM	(30°-60°)	337.8	10.6	B1/1000		
BH	(60°-80°)	259.2	8.2	B1/500		G1/500
BVH	(80°-90°)	57.2	1.8			G1/100
UL	(90°-100°)	40.9	1.3		U2/50	
UH	(100°-180°)	23.4	0.7		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.8	2.3	1.5	1.8	1.8	1.5	1.1	1.1	1.5	1.5	1.1
5°	34.1	34.4	35.9	37.0	12.8	9.0	3.4	2.3	1.8	1.5	1.5
7.5°	43.0	42.3	41.6	39.4	40.4	37.8	22.5	9.4	4.5	1.8	1.5
10°	49.8	49.8	46.4	43.8	43.4	42.7	40.4	37.0	17.6	3.8	2.6
12.5°	91.0	88.4	84.2	69.3	52.8	47.5	46.4	47.5	39.0	38.6	51.7
15°	104.2	104.9	102.6	97.0	94.0	60.6	79.8	99.2	99.7	79.8	89.9
17.5°	135.3	134.5	122.8	112.0	109.0	116.2	116.5	111.7	112.0	99.7	106.0
20°	201.1	203.0	193.3	163.7	132.6	153.2	148.7	129.3	131.8	188.0	194.1
22.5°	236.0	239.8	228.2	215.8	213.8	170.0	192.2	205.3	199.3	221.7	223.2
25°	350.1	340.2	296.3	253.6	259.2	226.6	248.7	241.9	231.5	247.9	287.0
27.5°	381.4	383.9	372.7	350.9	297.4	309.4	282.0	270.8	312.1	348.0	358.5
30°	452.2	452.2	412.0	403.7	380.1	345.7	369.0	365.6	372.7	378.2	397.8
32.5°	549.0	542.7	524.8	462.6	436.7	395.5	425.4	405.0	417.3	494.1	526.6
35°	649.1	648.7	587.3	541.6	488.8	482.4	468.1	521.3	535.9	539.3	571.5
37.5°	776.4	777.6	744.2	610.1	555.8	526.6	564.1	567.4	584.6	614.2	624.3
40°	876.8	870.8	828.0	728.1	639.7	598.2	630.8	625.1	654.7	678.3	692.9
42.5°	1002.2	998.5	939.7	824.1	755.8	689.5	698.5	684.0	705.3	764.0	770.1
45°	1120.2	1113.2	1058.8	935.3	863.7	790.7	771.2	757.7	762.5	829.3	852.1
47.5°	1199.2	1191.0	1170.3	1049.1	992.9	897.3	857.3	830.4	836.4	910.9	948.7
50°	1298.1	1270.8	1252.4	1143.8	1103.7	1026.6	941.6	915.4	928.8	997.0	1055.9
52.5°	1351.0	1313.9	1314.3	1236.7	1198.9	1144.3	1035.6	1010.1	1028.1	1093.2	1178.7
55°	1311.2	1307.5	1340.1	1296.0	1274.5	1227.4	1137.1	1113.9	1143.5	1219.6	1313.9
57.5°	1254.8	1260.3	1327.4	1348.4	1348.4	1310.6	1249.8	1240.1	1271.9	1349.2	1443.9
60°	1190.0	1203.8	1289.6	1349.9	1394.3	1392.2	1371.5	1391.8	1401.1	1474.6	1602.3
62.5°	1094.8	1101.2	1201.6	1323.6	1396.7	1468.2	1499.7	1525.5	1561.1	1621.4	1737.9
65°	985.7	993.6	1094.0	1253.2	1384.4	1518.0	1625.1	1687.7	1698.6	1746.8	1835.7
67.5°	845.0	853.6	941.3	1121.0	1335.5	1558.5	1752.8	1829.2	1810.9	1804.2	1858.8
70°	654.7	654.4	716.0	881.2	1157.7	1542.7	1865.6	1917.6	1870.1	1833.1	1794.5
71°	537.9	556.2	596.7	752.8	1038.9	1478.8	1892.6	1937.5	1874.3	1830.7	1725.1
72.5°	342.7	364.1	398.5	537.1	829.3	1313.2	1869.0	1924.4	1860.6	1803.5	1585.8
75°	135.3	140.1	165.5	248.7	449.8	884.4	1650.3	1734.5	1709.4	1657.7	1271.2
77.5°	81.6	84.2	94.0	124.3	206.4	408.9	1205.2	1327.7	1372.0	1347.9	874.9
80°	61.4	64.0	72.6	87.6	137.8	170.0	636.8	762.9	871.9	870.8	491.0
82.5°	46.8	48.3	56.6	61.8	102.6	117.6	240.1	324.7	422.5	422.5	243.4
85°	43.4	43.4	46.1	41.6	68.2	84.2	142.7	156.1	165.2	175.3	141.9
87.5°	17.3	16.8	22.1	21.3	29.9	55.4	90.2	94.4	88.4	107.1	122.5
90°	11.6	12.0	9.4	9.4	16.5	51.0	82.4	86.6	81.3	96.5	125.8
92.5°	11.3	11.6	8.6	8.6	12.3	42.3	86.1	87.6	83.5	99.7	128.1
95°	10.2	10.5	7.1	7.1	9.8	25.9	80.2	82.4	71.6	80.6	102.6
97.5°	7.8	8.2	4.9	5.3	7.5	9.8	48.0	51.4	40.1	37.8	44.6
100°	5.3	5.6	2.9	3.8	4.5	4.5	18.3	19.8	18.0	9.8	5.6
102.5°	4.9	5.3	2.3	2.3	2.3	1.5	3.8	6.0	3.4	4.2	4.9
105°	4.5	5.3	1.5	1.1	0.8	0.8	1.1	1.5	1.8	2.6	5.3
107.5°	2.9	3.4	0.8	0.8	0.3	0.8	0.8	0.8	1.1	1.8	4.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.5	1.5	0.3	0.3	0.0	0.3	0.3	0.8	1.1	1.5	2.3
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.1	1.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.1	1.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.1	1.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	1.1	1.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.8
125°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.8
127.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.5
130°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.8
140°	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8
142.5°	0.8	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.8	0.8
145°	0.8	0.8	0.3	0.3	0.0	0.0	0.3	0.3	0.8	0.8	0.8
147.5°	1.1	1.1	0.3	0.0	0.0	0.0	0.3	0.3	0.8	0.8	1.1
150°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.1	1.1	1.1	1.1	0.8	0.3	0.3	0.3	0.3	0.3	0.3
5°	1.1	1.1	1.1	1.1	1.1	0.8	1.5	2.3	2.6	2.9	2.9
7.5°	1.5	1.5	1.5	1.5	1.5	2.9	18.7	41.6	47.5	51.0	49.8
10°	2.6	2.6	2.3	2.6	9.4	46.4	56.6	60.6	61.4	64.0	66.3
12.5°	55.4	47.5	22.5	12.8	48.0	60.3	65.1	68.5	72.3	89.9	80.6
15°	91.8	93.6	91.8	101.2	113.1	68.2	80.9	123.6	134.1	137.1	136.3
17.5°	108.6	106.4	106.4	129.6	134.1	133.3	128.8	137.8	140.4	145.0	143.4
20°	202.2	203.0	190.6	150.6	143.0	179.4	144.2	143.7	171.5	197.0	197.8
22.5°	225.5	227.4	221.4	223.2	187.3	185.4	181.0	189.9	200.7	205.6	204.1
25°	306.0	285.0	246.8	230.0	226.9	189.6	213.5	195.9	197.4	200.1	201.9
27.5°	370.8	368.2	343.4	280.6	226.9	230.0	205.6	202.2	224.7	226.9	227.4
30°	401.5	394.8	367.0	295.1	249.1	220.2	200.4	216.2	212.7	215.0	215.0
32.5°	535.3	532.2	471.1	302.9	241.3	203.8	205.3	204.9	224.3	230.7	229.2
35°	571.2	565.5	475.3	344.1	228.9	205.6	193.3	207.9	207.9	210.6	209.8
37.5°	615.7	606.4	482.1	329.6	236.3	193.3	189.1	193.3	203.8	206.7	204.9
40°	677.2	655.8	476.4	305.3	220.6	191.4	182.0	189.6	188.8	184.9	183.1
42.5°	741.3	715.7	476.8	282.8	208.2	188.8	179.7	178.3	176.0	170.0	169.0
45°	824.4	774.2	482.4	267.0	197.8	187.3	177.5	170.8	167.3	161.3	160.3
47.5°	919.1	836.7	480.5	254.3	187.3	182.8	170.8	164.4	162.6	154.3	153.2
50°	1014.6	897.3	482.1	237.1	175.3	177.9	169.0	159.9	156.6	147.2	146.9
52.5°	1126.3	960.7	472.3	212.4	161.3	171.5	170.0	161.0	161.0	147.2	146.1
55°	1236.7	1038.2	464.1	186.2	152.1	166.3	172.3	169.0	168.2	149.0	147.9
57.5°	1345.7	1104.9	437.5	163.4	146.1	161.8	177.5	174.2	171.9	156.6	153.2
60°	1463.3	1192.1	387.4	145.4	142.7	158.1	179.0	178.6	166.0	164.4	162.6
62.5°	1551.7	1242.8	322.6	133.3	137.8	156.9	178.3	178.3	167.3	167.0	166.3
65°	1593.6	1249.1	243.8	124.0	133.0	155.0	175.7	182.8	174.2	175.3	173.8
67.5°	1572.4	1200.8	183.5	115.7	128.5	153.5	176.0	188.0	180.2	191.7	189.9
70°	1459.6	1076.4	150.9	110.2	127.0	150.9	181.3	189.6	184.3	203.0	200.7
71°	1377.5	996.2	140.8	106.7	127.0	149.4	182.4	189.9	183.5	204.1	202.2
72.5°	1238.6	855.1	130.0	101.8	126.2	148.7	182.4	189.6	185.7	209.0	205.6
75°	933.4	586.9	116.5	99.2	125.4	146.4	178.6	186.2	182.8	200.4	199.6
77.5°	598.2	343.1	104.2	98.9	122.5	145.4	173.8	179.4	173.4	188.4	187.6
80°	329.2	197.0	92.6	92.6	116.5	142.7	166.3	167.3	161.3	173.0	168.2
82.5°	195.5	139.8	76.8	81.3	107.8	135.6	158.1	152.9	146.4	167.8	142.7
85°	131.8	108.6	52.8	62.5	97.0	117.6	140.8	132.6	121.8	122.5	116.9
87.5°	109.4	86.6	27.8	40.9	75.3	86.1	104.5	96.2	85.0	83.5	78.6
90°	108.6	84.2	22.1	36.7	60.3	66.6	80.9	72.9	66.6	69.3	65.5
92.5°	109.4	83.5	22.8	31.4	49.3	50.1	66.3	63.3	57.7	58.8	55.0
95°	87.6	65.5	22.1	25.1	28.1	26.6	40.9	40.9	35.2	33.4	31.1
97.5°	36.7	32.6	20.6	20.2	19.8	14.6	23.6	27.0	18.3	12.3	10.8
100°	5.6	9.4	17.3	19.1	13.8	8.6	15.0	17.3	9.8	1.8	1.5
102.5°	5.6	4.9	7.1	14.2	8.2	2.3	6.0	9.8	4.9	1.1	1.5
105°	6.0	4.9	2.9	7.5	1.8	0.8	0.3	2.6	0.8	1.1	1.1
107.5°	5.6	4.5	1.8	1.5	1.1	0.3	0.0	0.0	0.0	1.1	1.5



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.9	2.6	1.8	1.1	0.8	0.3	0.0	0.0	0.0	1.1	1.5
112.5°	1.8	2.3	1.5	1.1	0.3	0.3	0.0	0.0	0.0	1.5	1.8
115°	2.3	2.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.5	1.8
117.5°	2.3	2.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.5	1.8
120°	2.3	2.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.5	1.8
122.5°	2.3	2.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0	1.1	1.5
125°	1.8	1.8	1.5	0.8	0.0	0.0	0.0	0.0	0.0	1.1	1.5
127.5°	1.8	1.8	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.1
130°	1.8	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8
132.5°	1.5	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	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)