

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: P254743

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3369.6 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U2 - G1

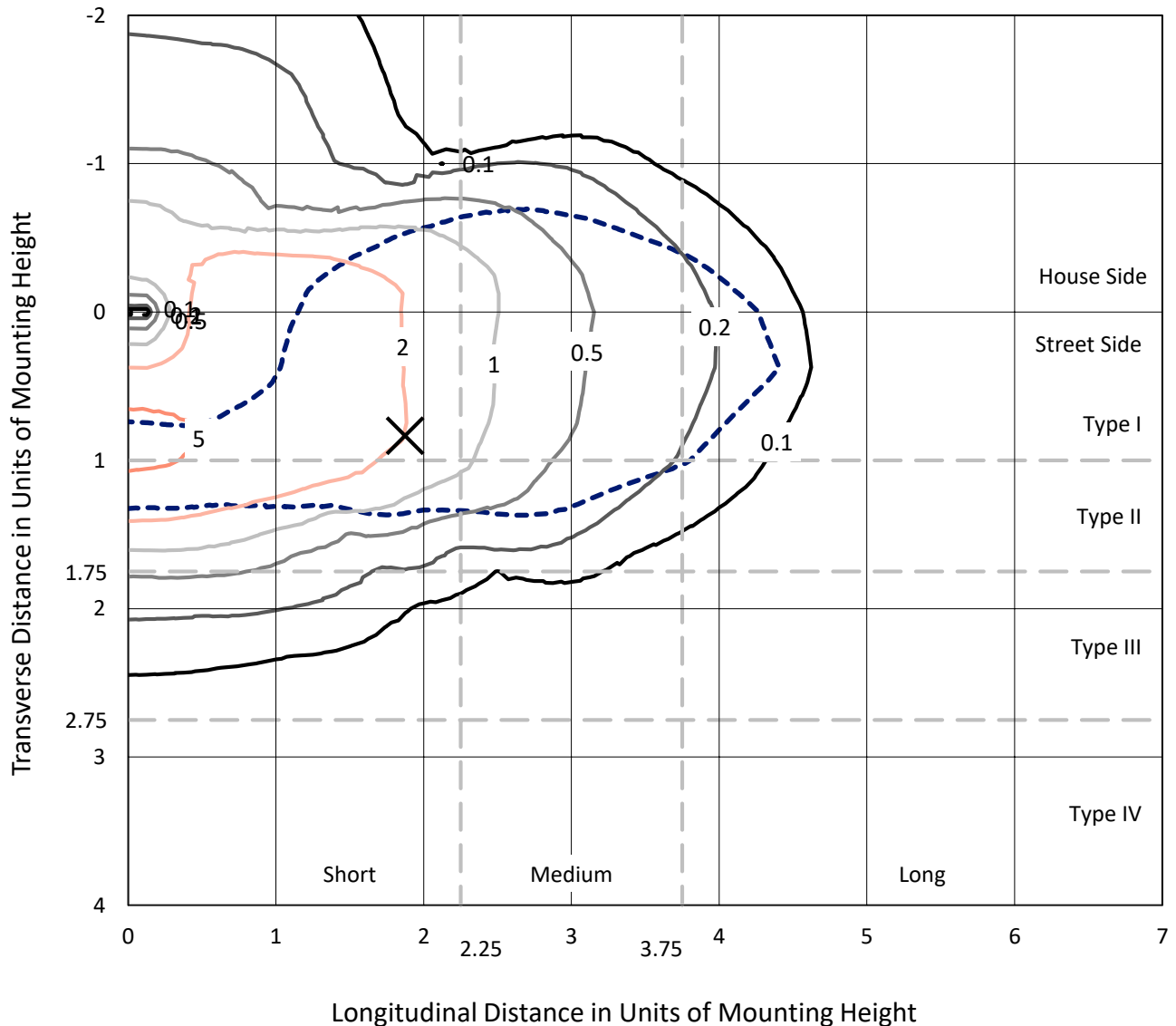
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

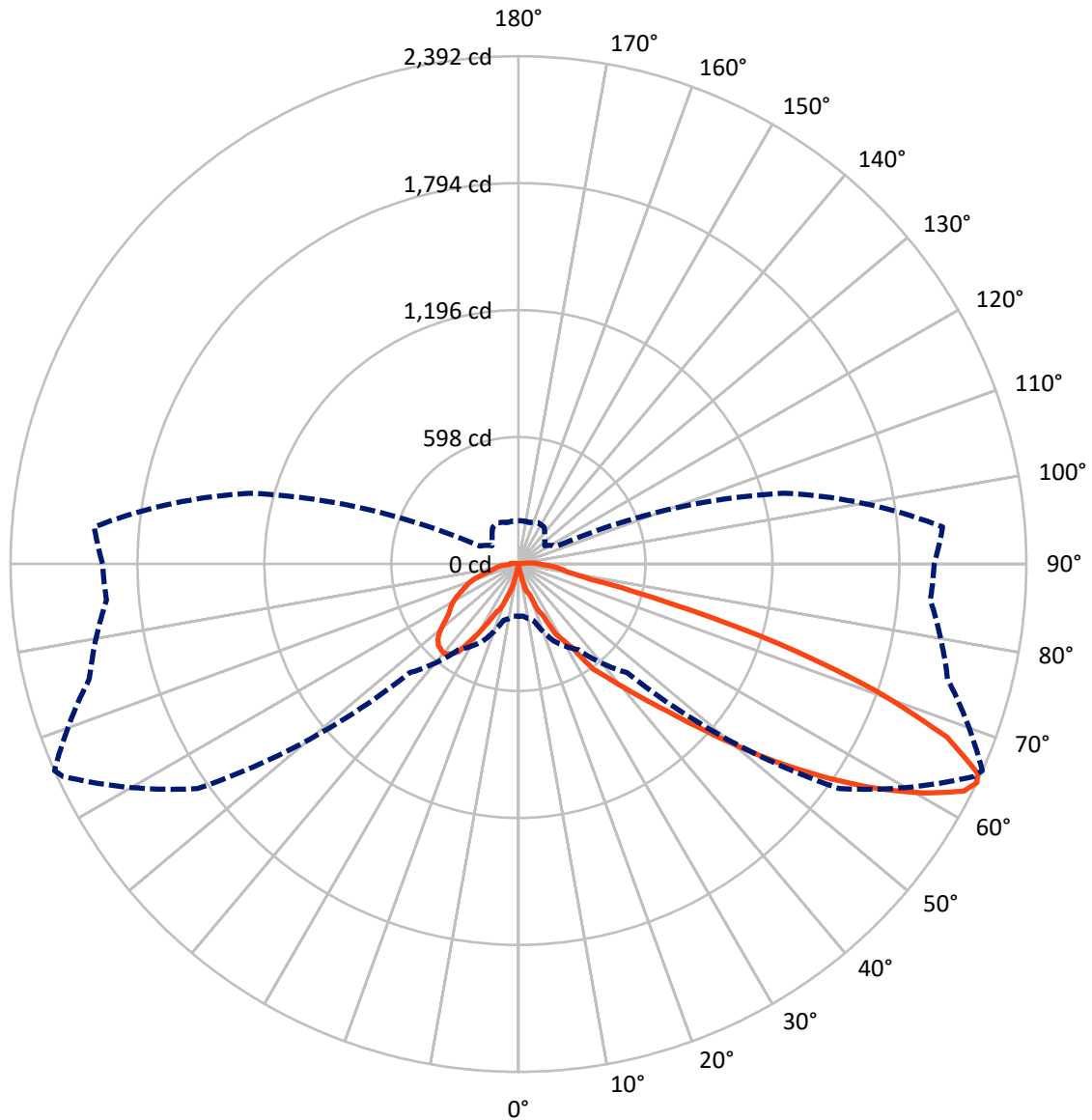
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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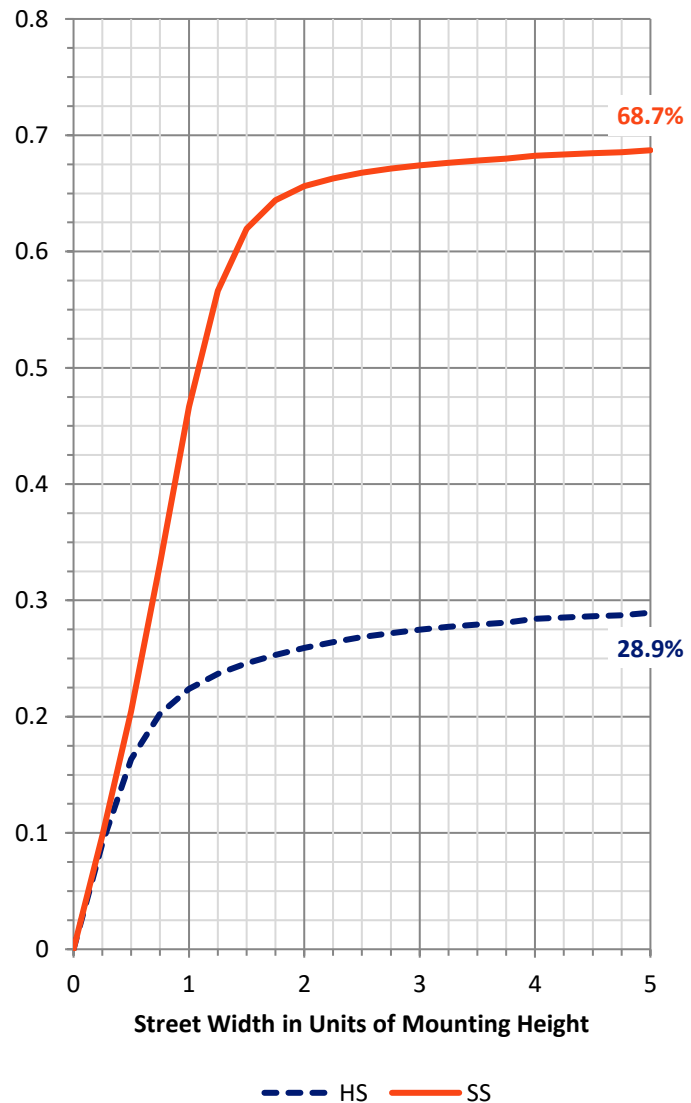
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	997.2	20.6	1017.8
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	2333.1	18.7	2351.8
	% Fixture	69.2	0.6	69.8
Total	Lumens	3330.2	39.3	3369.6
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	32.7	1.0
20°-30°	131.7	3.9
30°-40°	333.4	9.9
40°-50°	635.6	18.9
50°-60°	852.6	25.3
60°-70°	789.5	23.4
70°-80°	444.0	13.2
80°-90°	108.7	3.2
90°-100°	33.1	1.0
100°-110°	3.9	0.1
110°-120°	1.1	0.0
120°-130°	0.6	0.0
130°-140°	0.2	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3330.2	98.8
0°-180°	3369.6	100.0



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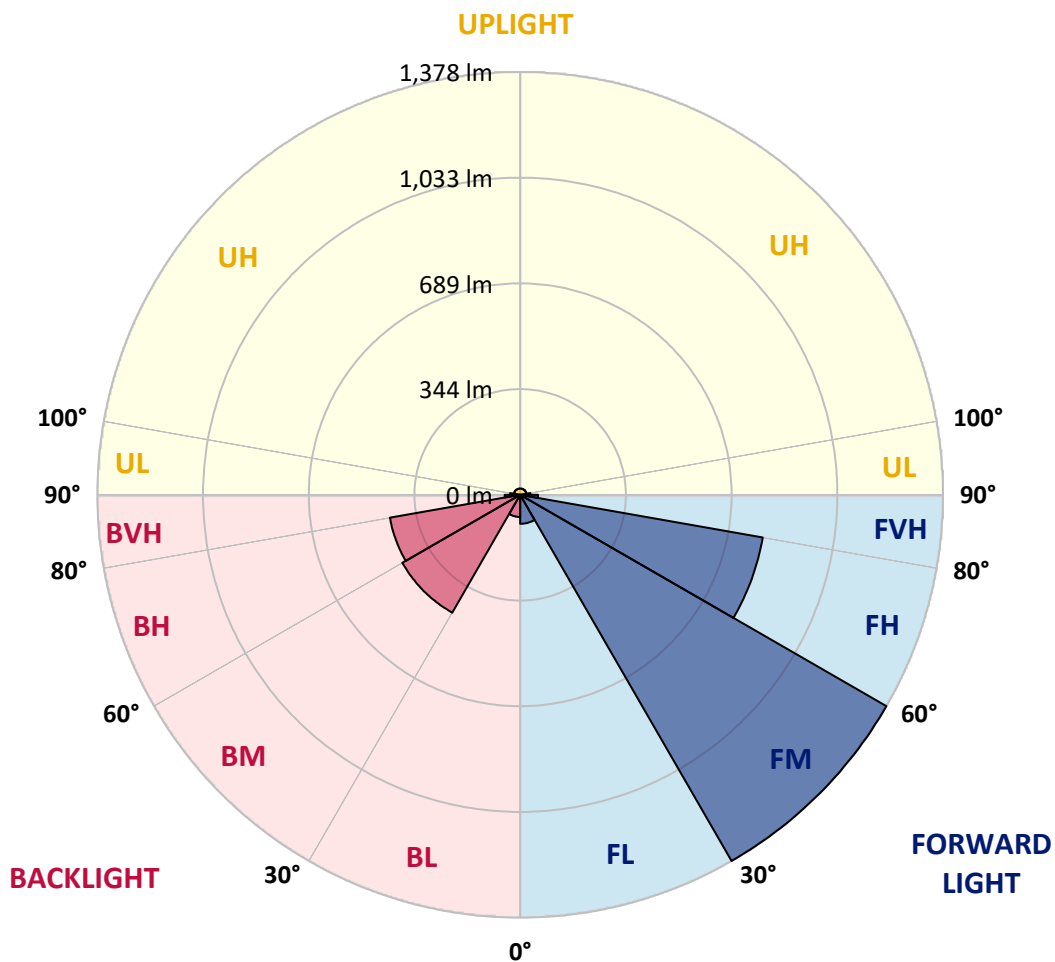
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.4	2.8			
FM	(30°-60°)	1377.9	40.9			
FH	(60°-80°)	802.6	23.8			G1/1800
FVH	(80°-90°)	58.1	1.7			G1/100
BL	(0°-30°)	72.2	2.1	B0/110		
BM	(30°-60°)	443.6	13.2	B1/1000		
BH	(60°-80°)	430.8	12.8	B1/500		G1/500
BVH	(80°-90°)	50.5	1.5			G1/100
UL	(90°-100°)	33.1	1.0		U2/50	
UH	(100°-180°)	20.6	0.6		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	4.0	4.0	4.0	4.4	4.0	3.6	3.2	2.4	1.9	1.2	1.2
5°	51.9	51.9	51.5	49.9	15.4	7.9	5.1	3.2	3.2	1.9	1.2
7.5°	58.2	57.8	57.8	56.3	55.9	51.5	26.2	5.1	4.7	2.8	1.5
10°	64.5	63.0	62.2	61.0	61.4	57.8	53.9	25.4	14.6	5.5	4.4
12.5°	119.7	118.9	115.3	97.1	67.3	61.8	60.7	50.7	49.1	42.4	49.5
15°	132.3	129.9	127.6	127.2	120.4	75.3	95.4	124.8	126.0	97.1	105.0
17.5°	154.5	150.6	142.6	136.7	133.1	154.5	142.2	137.9	139.0	118.9	118.5
20°	234.2	233.7	229.8	202.9	152.1	191.0	183.8	157.6	156.9	214.7	209.6
22.5°	276.1	269.3	264.2	255.5	261.5	209.2	223.4	229.8	235.0	246.4	235.7
25°	415.2	381.2	364.1	295.9	311.4	264.6	294.3	269.3	267.0	275.4	296.8
27.5°	478.9	480.9	467.5	443.3	359.7	371.2	328.4	377.6	374.4	381.2	365.7
30°	637.8	627.2	553.8	530.1	465.1	423.1	452.9	424.7	415.5	407.6	404.1
32.5°	786.3	786.0	766.2	667.9	585.5	495.2	515.1	471.8	474.6	526.1	538.8
35°	1017.3	1002.3	883.4	823.6	699.6	632.3	578.4	613.7	608.9	601.8	606.9
37.5°	1284.3	1265.4	1164.3	977.3	848.2	725.4	718.6	693.3	675.9	683.7	689.0
40°	1440.8	1425.0	1336.7	1177.8	990.0	887.8	822.0	784.4	763.0	794.3	793.1
42.5°	1552.1	1538.3	1487.6	1323.6	1190.5	1081.6	944.8	891.0	868.8	916.8	898.0
45°	1608.8	1584.7	1578.7	1455.1	1365.5	1316.8	1114.8	1021.7	994.0	1045.0	1022.8
47.5°	1579.8	1553.4	1576.4	1497.9	1523.3	1521.2	1325.9	1173.8	1155.6	1198.4	1165.1
50°	1445.6	1430.2	1479.7	1490.3	1604.1	1686.8	1560.9	1335.1	1358.1	1337.4	1314.9
52.5°	1224.6	1218.2	1297.4	1386.6	1591.8	1795.4	1777.2	1519.7	1571.2	1479.3	1449.1
55°	989.6	990.8	1077.2	1182.5	1463.8	1810.8	1965.4	1739.9	1783.9	1622.3	1580.3
57.5°	722.6	754.3	852.9	942.4	1220.6	1709.5	2081.8	1960.2	1996.7	1770.0	1699.9
60°	468.6	480.2	599.0	741.2	900.1	1402.1	2127.0	2161.8	2189.9	1923.4	1814.0
62.5°	309.4	310.6	359.7	523.8	622.4	978.6	2016.8	2328.2	2355.1	2041.4	1911.1
64°	246.4	246.0	275.0	402.1	494.0	724.1	1844.5	2366.7	2392.1	2092.5	1947.5
65°	217.5	217.1	238.1	323.3	422.3	578.8	1672.6	2352.8	2377.3	2115.5	1957.4
67.5°	184.6	185.4	193.7	222.3	305.9	348.2	1023.3	2155.9	2176.1	2097.7	1922.9
70°	170.3	171.1	181.1	186.6	241.2	258.7	444.9	1760.9	1784.3	2016.4	1843.8
72.5°	150.2	151.3	164.4	178.7	191.4	214.7	283.3	1211.9	1278.8	1748.6	1737.2
75°	125.6	126.7	139.0	157.6	166.7	175.1	245.2	642.9	726.2	1316.0	1548.2
77.5°	102.6	103.4	113.6	126.3	151.7	135.8	214.7	328.8	348.6	832.7	1144.9
80°	75.7	76.4	87.6	101.4	117.6	118.5	177.1	236.9	238.1	455.6	618.0
82.5°	51.9	52.3	63.4	71.3	83.2	109.8	141.8	195.3	205.2	270.6	284.1
85°	35.7	36.0	42.8	45.5	52.3	60.7	102.6	153.3	168.4	194.2	170.3
87.5°	17.1	17.8	18.6	19.8	20.6	21.4	44.0	112.9	118.9	129.5	134.7
90°	14.2	14.2	11.0	10.7	12.3	12.7	20.3	96.3	94.3	124.0	133.9
92.5°	14.2	14.2	10.3	9.9	11.0	10.7	14.6	79.3	76.8	122.0	132.3
95°	12.3	12.7	8.3	7.9	9.5	8.7	11.5	46.3	49.1	85.9	97.9
97.5°	10.3	10.3	6.3	6.3	6.8	6.3	7.6	17.1	19.0	36.4	43.2
100°	7.6	7.9	4.0	4.4	4.4	4.0	4.0	7.2	7.9	9.9	9.5
102.5°	6.3	7.2	2.8	3.2	2.4	2.4	1.9	3.2	3.2	5.1	7.6
105°	4.7	5.5	1.9	1.9	1.5	1.5	0.8	2.4	2.4	4.4	7.9
107.5°	2.8	3.2	1.2	1.2	1.2	1.5	0.8	1.5	1.9	3.6	6.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.2	1.2	0.4	0.8	0.4	1.2	0.8	1.5	1.9	1.5	3.6
112.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.2	0.8	1.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4	0.8	1.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.9
120°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.9
122.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	1.5
125°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5
127.5°	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
135°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.4
147.5°	1.9	1.9	1.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4
150°	1.5	1.5	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.2	1.5	1.5	1.9	1.9	2.4	2.4	2.4	2.4	1.9	1.9
5°	1.2	1.5	1.5	1.9	2.4	3.2	3.6	4.4	4.4	4.7	4.7
7.5°	1.5	1.5	1.9	2.4	3.6	5.9	17.8	56.7	58.6	63.8	64.1
10°	4.0	4.4	4.4	4.7	11.5	58.2	65.4	68.1	71.7	72.1	71.7
12.5°	52.3	50.3	48.3	15.0	57.5	70.1	72.1	76.1	78.1	84.0	84.0
15°	105.8	105.8	102.2	112.5	101.8	78.1	84.0	132.0	136.7	140.2	138.3
17.5°	120.0	120.0	117.6	142.6	153.3	123.6	135.1	145.4	148.5	149.4	148.9
20°	215.9	213.5	192.5	175.1	160.1	196.1	165.6	149.8	178.3	206.4	208.0
22.5°	235.0	231.8	226.6	229.8	210.3	202.0	189.8	199.3	205.6	206.8	207.1
25°	296.3	294.3	255.9	244.8	264.2	225.5	228.2	195.3	198.9	203.3	202.9
27.5°	367.2	360.9	341.5	293.2	276.5	265.9	215.5	206.4	228.2	229.3	228.6
30°	407.6	389.8	354.1	362.1	298.7	254.3	213.9	216.4	206.8	207.1	208.0
32.5°	543.5	522.1	476.2	421.1	319.0	239.3	207.1	194.2	209.6	212.4	213.5
35°	594.2	575.2	535.6	498.4	324.9	228.2	184.2	190.2	190.6	191.4	192.1
37.5°	664.7	638.2	605.4	522.1	322.8	200.8	179.4	180.2	192.9	195.3	196.5
40°	751.6	717.8	681.0	532.9	291.1	190.6	175.5	181.5	185.8	184.6	185.4
42.5°	854.2	808.5	757.1	520.2	246.8	185.8	175.5	179.4	180.2	176.7	176.7
45°	972.2	921.5	821.6	505.8	212.8	187.4	179.4	177.1	173.1	168.0	166.7
47.5°	1101.3	1042.3	881.1	478.1	188.9	186.2	181.9	173.1	168.8	164.4	164.4
50°	1239.6	1177.4	931.8	435.4	177.9	184.2	180.7	175.5	170.7	162.9	162.4
52.5°	1371.9	1321.2	994.7	377.2	167.2	185.8	189.8	178.3	171.5	160.8	160.8
55°	1499.9	1470.6	1051.4	331.2	162.9	181.1	194.9	185.1	170.7	162.4	162.9
57.5°	1627.4	1623.8	1116.3	300.3	157.6	178.3	201.6	190.2	178.3	169.9	169.9
60°	1772.5	1788.6	1200.0	265.9	156.9	175.1	204.4	198.9	185.1	183.4	183.8
62.5°	1897.3	1939.6	1263.8	225.8	151.7	172.8	209.2	207.1	193.3	191.7	194.2
64°	1958.6	2005.8	1288.7	200.8	150.6	174.3	211.1	215.5	202.4	204.0	204.0
65°	1980.8	2027.2	1295.9	184.2	149.4	175.1	211.5	218.3	204.4	204.0	204.0
67.5°	1981.6	2017.3	1270.9	158.0	144.2	174.7	213.5	225.8	212.4	221.5	217.9
70°	1934.8	1888.5	1174.2	139.8	143.4	175.1	212.0	221.9	210.0	230.6	228.6
72.5°	1806.1	1639.7	932.9	123.2	145.0	172.8	203.7	211.5	202.9	232.9	231.0
75°	1526.0	1278.0	574.4	115.3	143.0	164.4	193.7	192.5	188.2	207.1	206.0
77.5°	1048.6	841.1	275.0	112.5	140.2	152.9	172.0	169.9	165.2	173.1	170.7
80°	542.8	444.5	166.0	103.0	130.3	132.7	140.2	141.8	136.7	138.6	135.4
82.5°	256.8	234.6	139.4	93.9	111.7	98.2	108.9	114.1	105.0	105.4	94.3
85°	160.4	163.6	114.9	72.9	75.3	59.8	75.7	81.2	69.8	59.4	56.7
87.5°	133.1	139.0	84.8	40.8	34.9	30.5	42.8	44.8	32.1	26.9	25.0
90°	137.5	141.8	83.6	32.5	27.7	23.0	31.3	27.7	19.8	17.4	15.9
92.5°	136.3	138.3	82.8	31.3	26.2	21.0	26.5	21.4	15.4	13.5	12.3
95°	102.6	110.2	66.9	30.5	23.0	17.1	19.8	16.7	10.7	9.5	8.7
97.5°	42.4	49.9	39.6	28.9	17.8	12.7	13.1	11.5	6.3	5.5	5.1
100°	8.3	13.1	21.0	21.0	8.7	6.8	6.8	6.3	3.2	2.8	2.4
102.5°	8.3	7.9	9.5	11.5	4.0	1.9	2.4	3.2	1.9	2.8	2.8
105°	8.7	8.3	5.1	3.2	2.4	1.2	0.8	0.8	1.5	3.2	3.6
107.5°	7.9	7.9	3.6	2.4	1.9	1.5	0.4	0.4	1.2	3.6	4.0



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.0	4.4	2.8	1.9	1.9	1.5	0.4	0.0	1.2	4.0	4.4
112.5°	2.4	2.4	2.4	1.5	1.2	1.2	0.4	0.0	1.2	4.4	4.7
115°	2.4	2.4	1.9	1.5	1.2	0.8	0.0	0.0	1.2	4.7	5.1
117.5°	2.4	2.4	1.9	1.2	0.8	0.4	0.0	0.0	1.2	4.7	5.1
120°	2.4	2.4	1.9	1.2	0.8	0.4	0.0	0.0	1.2	4.4	4.7
122.5°	2.4	2.4	1.9	1.2	0.8	0.4	0.0	0.0	1.2	3.6	4.0
125°	1.9	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.8	3.2	3.2
127.5°	1.5	1.9	1.5	1.2	0.8	0.4	0.0	0.0	0.8	2.4	2.8
130°	1.5	1.5	1.2	1.2	0.8	0.4	0.0	0.0	0.4	1.9	2.4
132.5°	1.2	1.2	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.8	1.2
135°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
142.5°	0.4	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0
145°	0.4	0.8	0.8	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.4	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)