

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: P254626

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)
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-T4W-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3155.4 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - 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

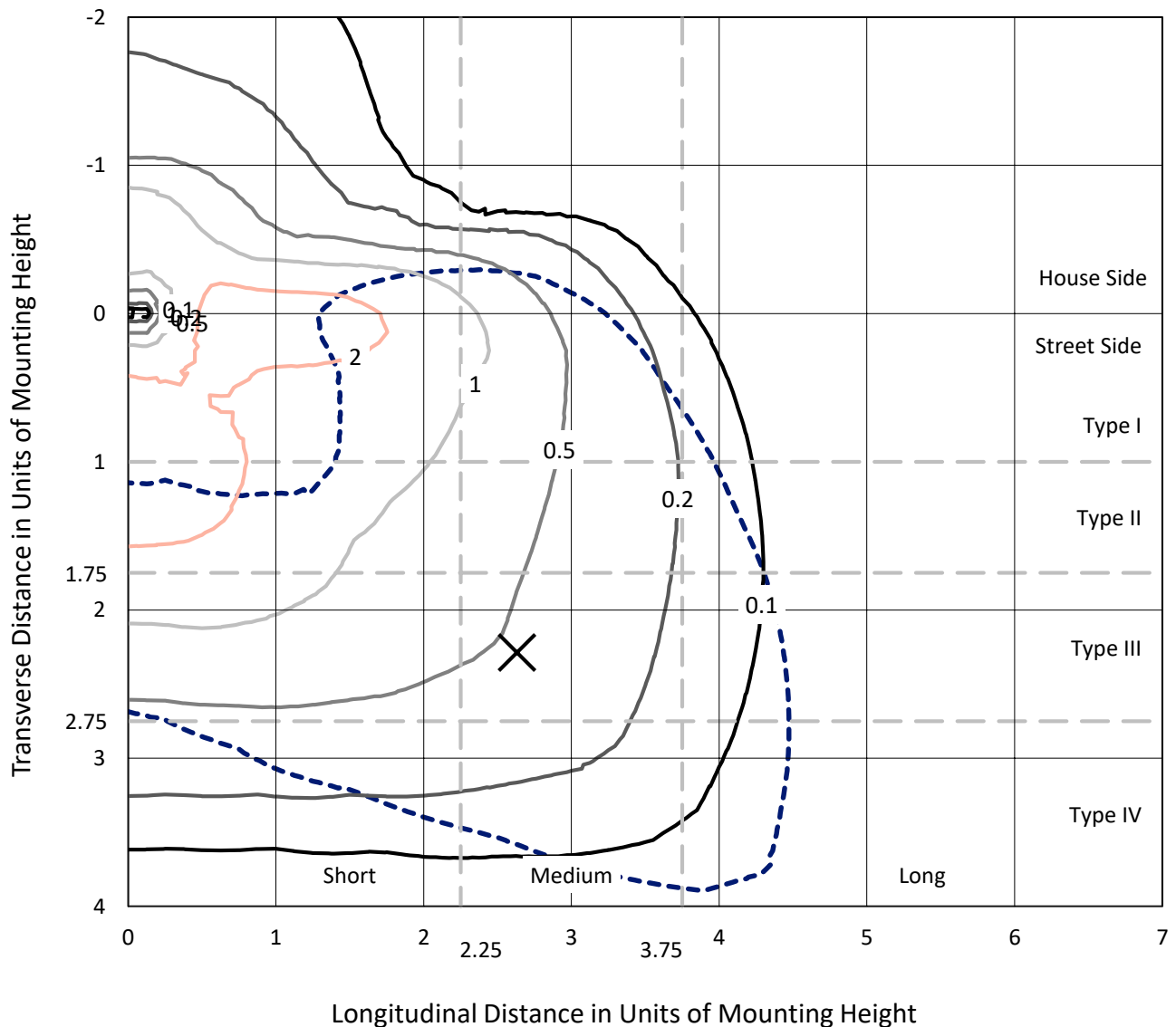


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Iso-Footcandle Lines of Horizontal Illumination

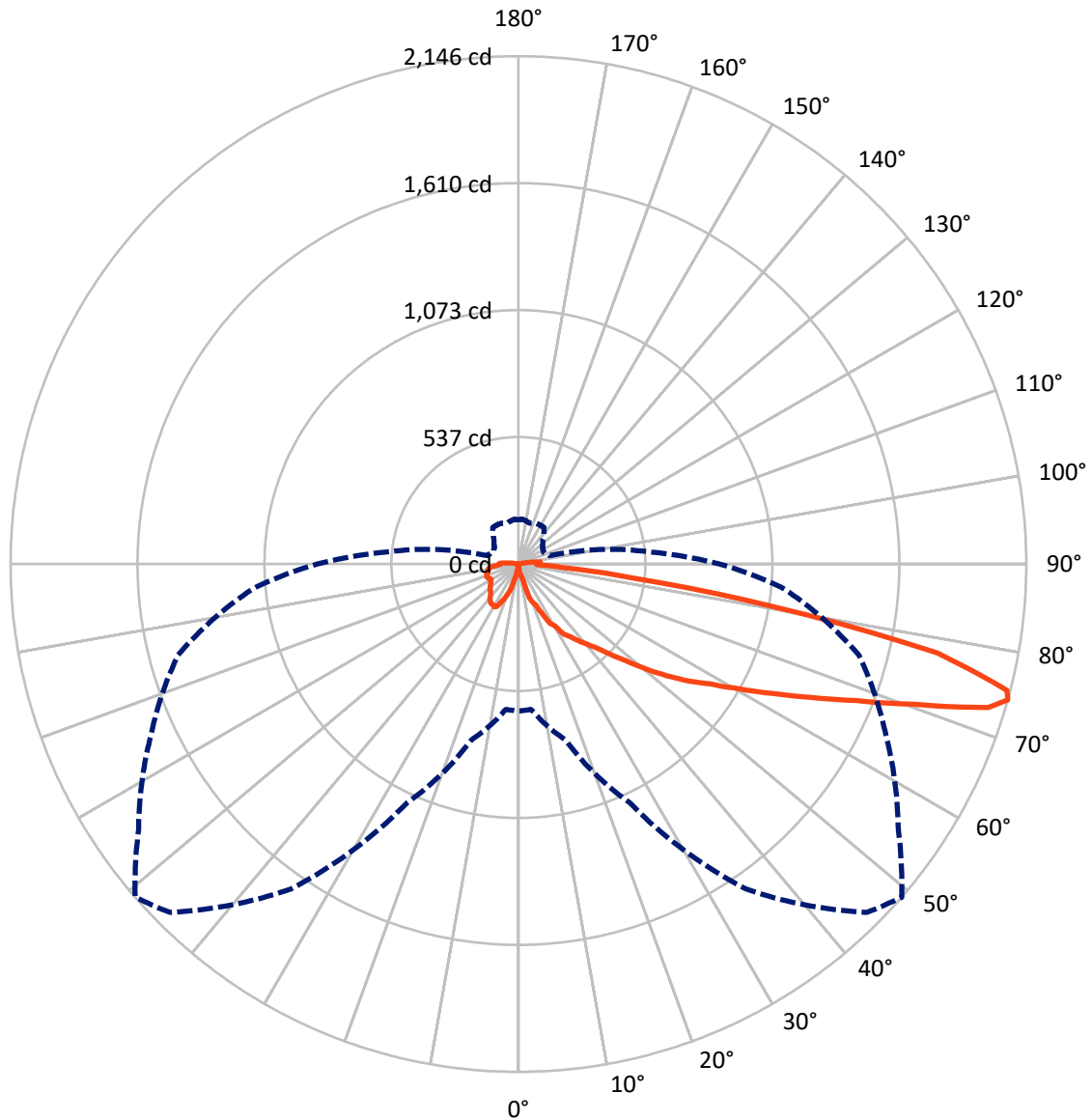
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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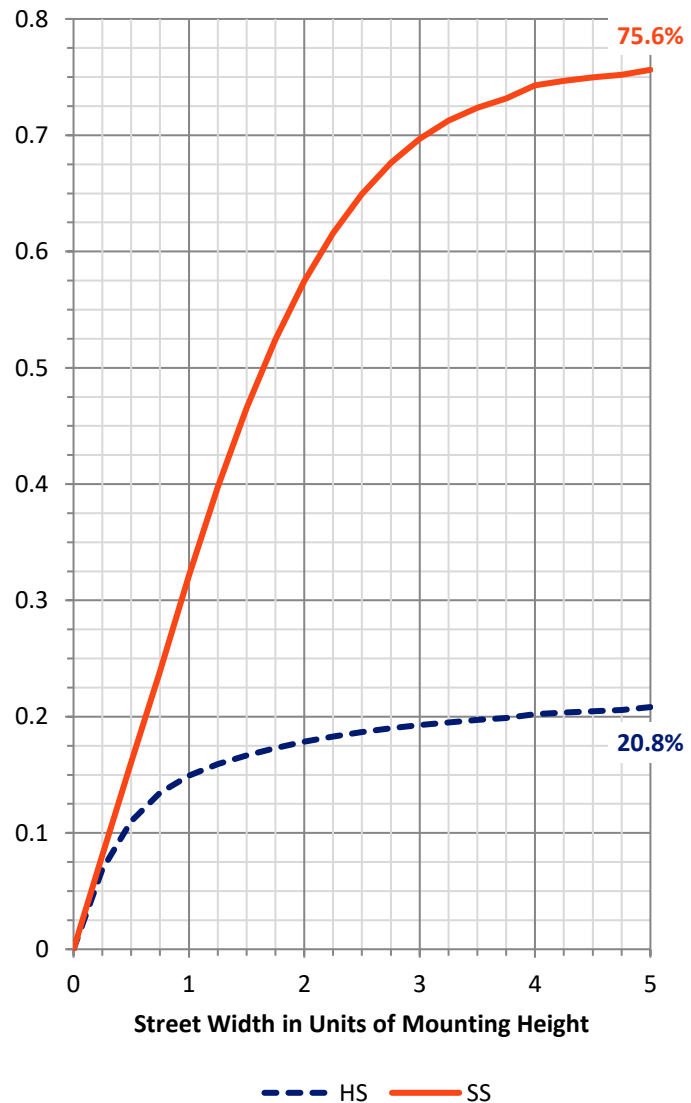
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	695.9	29.9	725.8
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	2404.6	25.0	2429.6
	% Fixture	76.2	0.8	77.0
Total	Lumens	3100.4	54.9	3155.4
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	28.4	0.9
20°-30°	107.7	3.4
30°-40°	228.9	7.3
40°-50°	376.2	11.9
50°-60°	606.8	19.2
60°-70°	876.7	27.8
70°-80°	719.7	22.8
80°-90°	154.4	4.9
90°-100°	49.7	1.6
100°-110°	3.9	0.1
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3100.4	98.3
0°-180°	3155.4	100.0

Coefficient of Utilization



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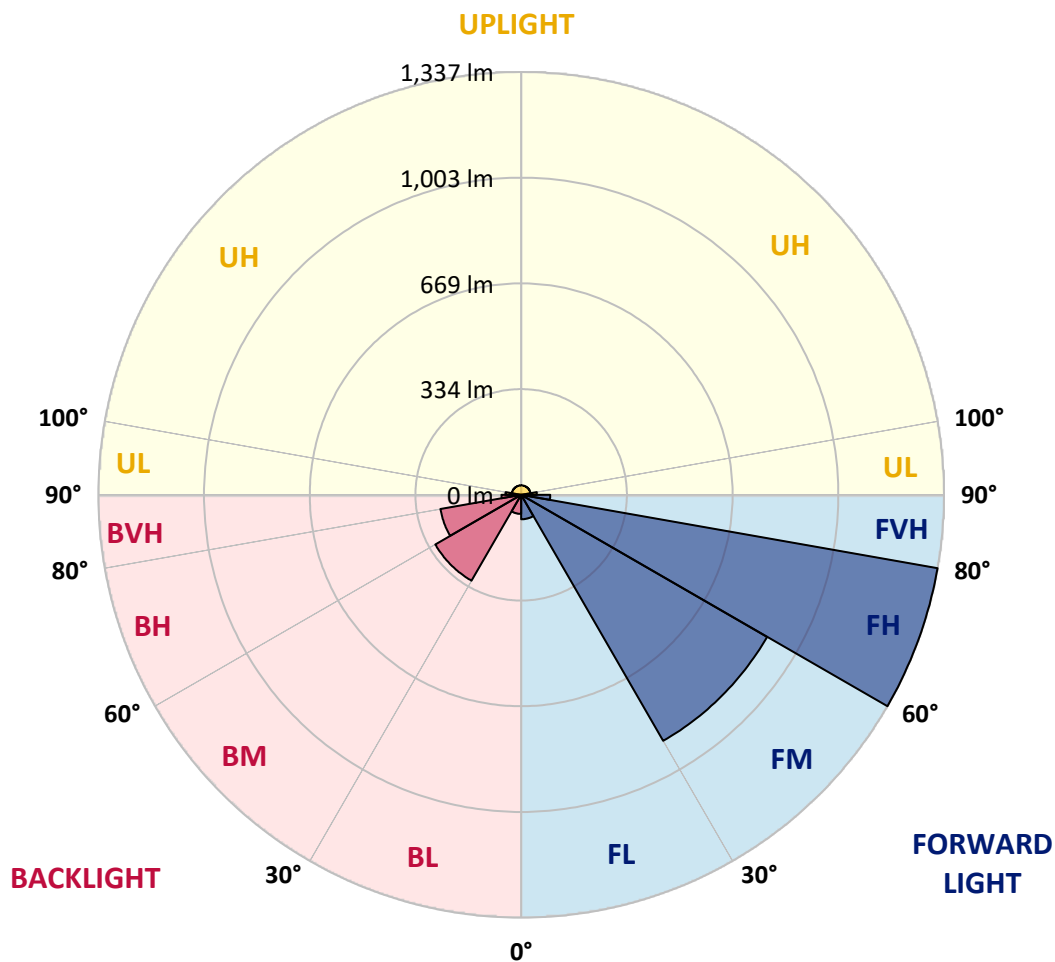
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.3	2.5			
FM	(30°-60°)	898.2	28.5			
FH	(60°-80°)	1337.1	42.4			G1/1800
FVH	(80°-90°)	91.9	2.9			G1/100
BL	(0°-30°)	60.5	1.9	B0/110		
BM	(30°-60°)	313.6	9.9	B1/1000		
BH	(60°-80°)	259.3	8.2	B1/500		G1/500
BVH	(80°-90°)	62.5	2.0			G1/100
UL	(90°-100°)	49.7	1.6		U2/50	
UH	(100°-180°)	29.9	0.9		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	2.6	2.3	1.8	1.5	1.5	1.1	1.1	1.1	1.5	1.5	1.5
5°	41.9	41.5	37.8	35.9	14.6	9.0	7.8	4.9	1.8	1.5	1.5
7.5°	49.8	49.0	48.0	50.1	46.8	40.9	37.4	21.8	6.0	1.8	1.5
10°	65.9	65.1	59.5	58.0	52.8	48.3	45.7	42.7	18.0	3.8	2.6
12.5°	124.7	120.6	117.2	99.2	67.0	54.3	54.0	50.6	42.3	38.2	46.4
15°	140.8	137.0	131.4	130.3	119.1	71.9	65.9	91.0	107.8	80.9	82.7
17.5°	159.5	161.3	153.9	138.2	128.5	137.4	151.4	133.8	118.3	98.5	100.0
20°	224.6	223.2	217.2	199.2	162.9	177.1	172.3	169.3	138.2	182.0	176.8
22.5°	233.3	232.9	229.9	219.1	234.1	188.7	187.3	208.5	205.6	209.3	201.8
25°	305.9	308.9	299.3	234.8	246.4	241.1	232.5	253.5	229.9	231.8	258.4
27.5°	320.5	319.0	313.8	300.7	260.7	285.7	283.5	268.9	298.5	314.5	316.5
30°	403.2	392.8	339.2	326.9	314.5	299.3	303.3	320.1	333.2	328.8	347.1
32.5°	443.4	440.8	432.1	383.5	340.5	331.4	353.1	359.1	351.6	416.4	448.3
35°	577.1	565.1	496.1	425.0	379.3	374.4	376.7	376.4	427.6	439.2	483.0
37.5°	744.5	728.8	674.4	521.2	414.2	392.1	410.9	429.9	447.5	481.2	514.9
40°	842.6	834.3	790.9	644.5	483.0	426.5	444.9	454.3	477.5	505.3	561.7
42.5°	917.9	917.1	889.8	731.4	577.1	481.2	484.6	485.6	502.9	547.8	614.9
45°	969.1	968.4	973.3	813.0	666.9	543.3	543.8	530.2	542.6	601.0	688.7
47.5°	1032.8	1021.6	1032.8	899.5	744.8	617.1	610.4	579.0	604.8	674.7	791.2
50°	1096.5	1086.0	1090.5	967.3	821.9	707.0	695.0	653.2	688.7	767.6	918.3
52.5°	1179.7	1166.2	1145.9	1038.8	926.5	800.7	783.8	749.7	782.7	884.6	1078.5
55°	1240.6	1231.0	1224.1	1140.3	1000.3	883.8	872.2	833.6	922.7	1015.2	1249.6
57.5°	1288.2	1292.0	1312.5	1264.6	1138.8	975.1	956.4	940.2	1054.9	1169.8	1433.2
60°	1338.4	1331.4	1381.8	1380.4	1256.1	1066.9	1070.6	1068.4	1189.8	1317.4	1646.2
62.5°	1335.3	1341.0	1432.1	1462.3	1356.8	1189.4	1203.9	1199.8	1327.9	1464.2	1804.3
65°	1214.4	1231.0	1429.0	1498.3	1481.4	1334.3	1358.6	1355.3	1487.8	1589.2	1904.3
67.5°	1135.1	1156.1	1342.9	1527.6	1599.8	1520.1	1539.5	1527.1	1602.1	1659.0	1904.6
70°	1051.9	1066.5	1232.8	1539.1	1727.5	1762.4	1774.7	1698.3	1697.2	1698.7	1748.4
72.5°	856.0	857.9	1008.5	1360.9	1782.9	2024.8	2074.7	1906.9	1746.6	1624.1	1404.6
74°	621.2	616.4	769.9	1113.4	1676.6	2082.2	2146.2	1960.0	1713.6	1489.3	1113.4
75°	448.3	461.0	574.8	900.7	1512.9	2066.4	2131.9	1949.1	1645.5	1352.6	905.5
77.5°	142.7	147.5	187.3	379.3	926.5	1693.4	1809.6	1638.1	1252.9	854.5	468.0
80°	76.4	79.8	100.0	149.0	388.8	983.0	1095.8	951.5	695.8	429.5	256.1
82.5°	45.7	48.0	65.5	89.9	201.5	408.2	483.0	395.8	338.9	247.2	178.9
85°	29.6	30.4	38.2	55.4	130.7	160.6	188.4	193.9	193.3	173.4	143.7
87.5°	16.5	16.8	18.0	23.6	59.9	84.2	76.8	94.0	112.3	111.6	127.3
90°	11.6	11.6	9.8	10.5	33.0	84.6	77.1	82.7	74.6	87.6	131.4
92.5°	10.8	11.3	9.0	9.4	26.2	83.1	92.9	92.6	76.4	91.8	132.2
95°	9.0	9.8	7.1	7.8	16.5	71.1	92.1	91.8	67.4	72.6	94.0
97.5°	7.1	7.5	4.9	6.0	9.8	36.3	55.4	52.8	35.6	30.7	36.7
100°	4.5	4.9	2.6	4.2	6.0	12.0	19.8	21.0	16.5	7.5	4.5
102.5°	4.5	4.9	1.8	2.6	2.6	3.4	4.5	3.8	5.3	2.6	3.8
105°	4.5	4.9	1.5	1.1	0.8	1.1	0.8	1.1	1.8	2.3	4.5
107.5°	3.4	3.8	0.8	0.8	0.3	0.8	0.8	0.8	1.1	1.8	4.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	2.3	2.3	0.3	0.3	0.0	0.8	0.8	0.8	1.1	1.5	2.3
112.5°	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	1.1	1.1	1.5
115°	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.8	1.1	1.8
117.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	1.8
120°	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.8
122.5°	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.8
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.8
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.5
130°	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	1.5
132.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8
142.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.8	0.8
145°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.1
147.5°	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.8	1.1	1.1
150°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.1	1.1	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.1	1.1	0.8	0.8	0.3	0.3	0.8	1.1	1.8	2.6	2.6
7.5°	1.5	1.1	1.1	1.1	1.1	5.3	19.1	33.4	41.9	44.9	44.1
10°	2.6	2.3	2.3	2.3	11.3	36.7	49.0	50.1	54.0	54.6	54.3
12.5°	56.2	48.0	29.9	14.2	39.4	51.4	53.5	57.3	59.9	78.6	82.4
15°	83.1	82.1	79.8	84.2	91.3	58.8	72.3	96.5	109.4	114.1	115.7
17.5°	99.7	98.2	91.8	106.3	112.7	111.6	107.8	115.7	117.6	122.1	121.8
20°	180.9	177.1	158.0	125.4	118.0	148.3	121.8	122.1	151.7	169.3	167.8
22.5°	199.6	197.8	187.3	184.2	158.8	156.9	162.9	167.0	180.2	186.5	185.7
25°	259.2	256.9	208.2	190.9	193.6	166.3	194.4	181.6	187.3	204.1	201.8
27.5°	321.3	316.1	277.8	232.9	193.9	206.7	195.9	214.2	233.3	243.4	244.5
30°	351.3	341.9	297.3	245.0	212.7	204.5	206.0	233.7	237.1	245.7	247.6
32.5°	464.1	456.1	379.0	251.7	213.0	195.5	216.5	228.5	264.4	283.1	284.6
35°	495.8	489.1	382.3	282.3	205.6	202.5	204.9	237.7	256.1	269.7	271.8
37.5°	530.2	518.7	388.8	265.2	211.6	188.7	198.1	216.2	247.9	271.1	277.1
40°	579.0	558.0	384.9	247.2	196.5	184.2	183.4	204.9	218.7	229.9	231.8
42.5°	641.2	605.2	387.3	230.3	183.1	171.5	174.5	184.2	189.1	189.9	189.9
45°	717.5	664.0	396.9	216.5	171.9	165.5	166.6	169.3	170.0	161.0	159.9
47.5°	820.5	739.5	405.3	205.6	163.7	161.3	158.0	159.5	156.6	144.5	143.0
50°	942.6	829.9	412.4	192.9	156.1	155.8	155.0	149.4	144.2	133.0	131.4
52.5°	1073.3	936.6	416.1	178.9	150.1	151.4	152.1	142.7	135.2	126.5	125.8
55°	1244.0	1060.9	425.0	166.3	143.0	145.4	149.4	140.1	133.0	127.3	130.7
57.5°	1412.5	1198.7	417.6	154.7	137.7	139.7	146.1	142.2	139.0	139.0	139.7
60°	1575.8	1318.2	371.2	145.4	133.0	135.2	148.7	155.3	155.0	162.1	164.0
62.5°	1685.6	1380.4	302.5	137.0	128.8	137.4	161.0	176.8	174.2	177.1	178.6
65°	1730.1	1376.5	230.6	131.1	126.2	147.2	175.3	190.6	180.9	174.2	172.6
67.5°	1682.9	1293.8	187.3	126.2	126.2	156.1	187.3	191.3	180.9	181.3	178.6
70°	1491.6	1101.0	161.0	121.4	128.1	154.7	193.3	190.2	181.3	187.6	183.9
72.5°	1119.4	784.6	144.5	118.0	127.3	148.7	189.9	189.9	182.4	194.7	190.9
74°	849.0	568.4	137.4	116.8	123.6	145.7	188.7	188.0	179.4	190.2	186.5
75°	668.7	434.5	133.0	115.4	121.4	143.7	186.9	186.1	177.9	189.4	186.5
77.5°	341.9	226.9	122.5	112.7	115.7	141.2	182.0	182.4	171.9	182.8	180.5
80°	218.0	171.9	108.9	104.2	111.6	141.6	178.9	177.1	165.2	177.1	171.9
82.5°	173.7	141.9	88.4	90.2	106.3	139.3	177.1	168.5	156.6	174.5	156.6
85°	139.3	119.4	61.0	66.6	94.4	128.1	169.0	150.9	138.5	141.2	139.0
87.5°	117.6	96.5	28.9	43.4	73.8	98.2	125.4	116.8	107.5	112.0	107.1
90°	119.1	92.9	20.6	33.4	66.6	81.6	100.0	87.6	82.4	83.9	80.9
92.5°	115.7	88.7	21.0	27.8	65.1	89.5	105.7	89.5	79.0	76.1	73.4
95°	78.2	61.4	19.4	21.8	41.5	70.4	85.3	67.7	55.0	48.7	46.8
97.5°	29.9	27.0	16.8	18.0	21.8	37.4	49.3	43.4	29.6	21.3	20.2
100°	4.5	7.5	13.8	16.8	12.8	14.2	20.6	23.3	15.0	1.5	1.1
102.5°	4.9	4.2	5.6	12.8	7.5	2.9	6.3	12.8	8.2	0.8	0.8
105°	5.6	4.5	2.3	5.6	1.8	0.3	0.3	2.6	1.8	0.3	0.8
107.5°	4.9	4.2	1.5	1.1	0.3	0.3	0.0	0.0	0.0	0.3	0.8



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.6	2.6	1.5	0.8	0.3	0.3	0.0	0.0	0.0	0.8	0.8
112.5°	1.8	1.8	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.8	1.1
115°	2.3	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	1.1	1.1
117.5°	2.3	2.3	1.1	0.3	0.0	0.0	0.0	0.0	0.0	1.1	1.5
120°	2.3	2.3	1.1	0.3	0.0	0.0	0.0	0.0	0.0	1.1	1.1
122.5°	2.3	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.8	1.1
125°	1.8	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.8
127.5°	1.8	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8
130°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
132.5°	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	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

(END OF REPORT)