

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: P254627

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254627
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-AF24-40-D-U-T4W-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 4087.3 lumens
Efficiency: N/A
Efficacy: 102.2 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 - U3 - G2

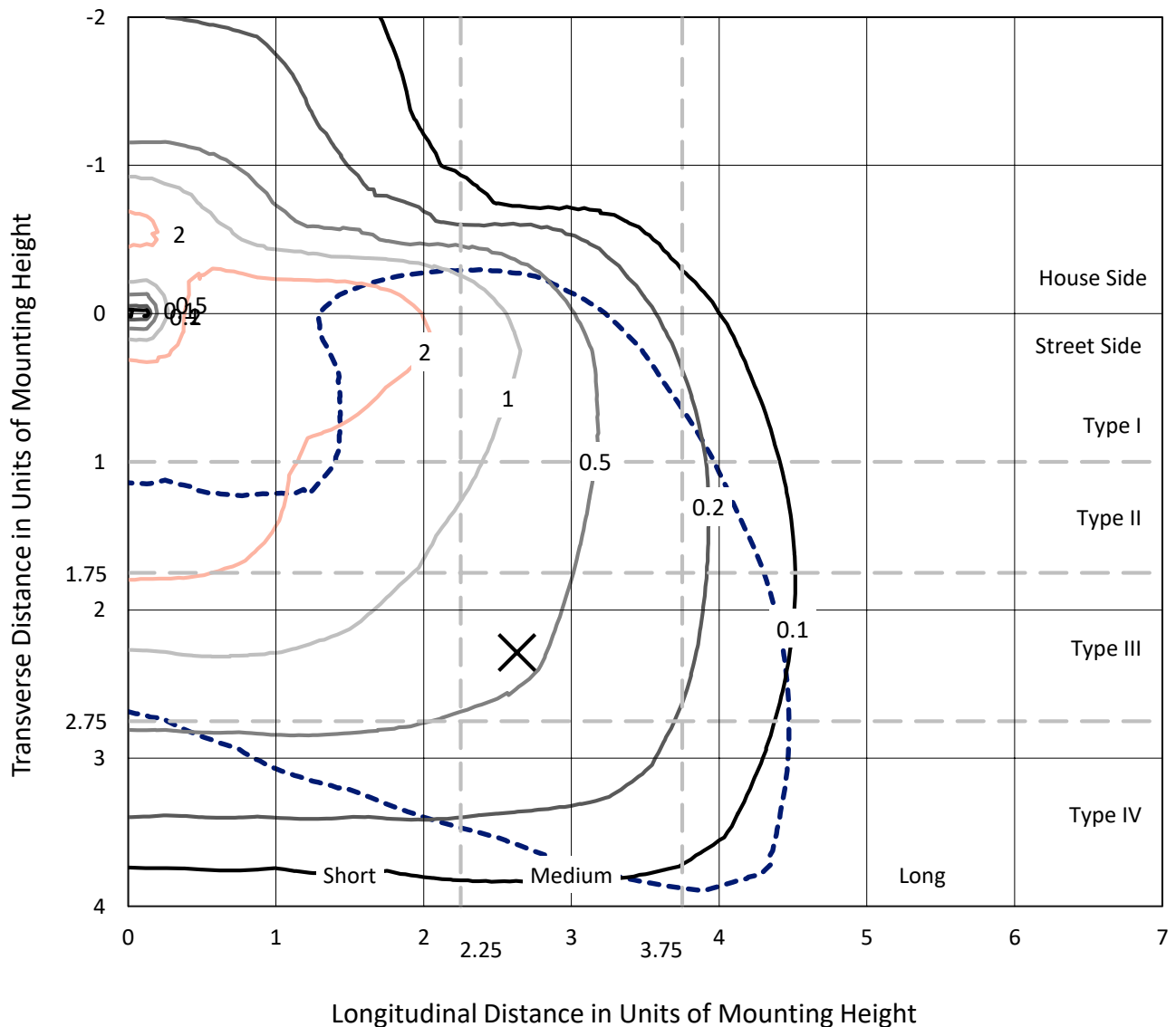
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

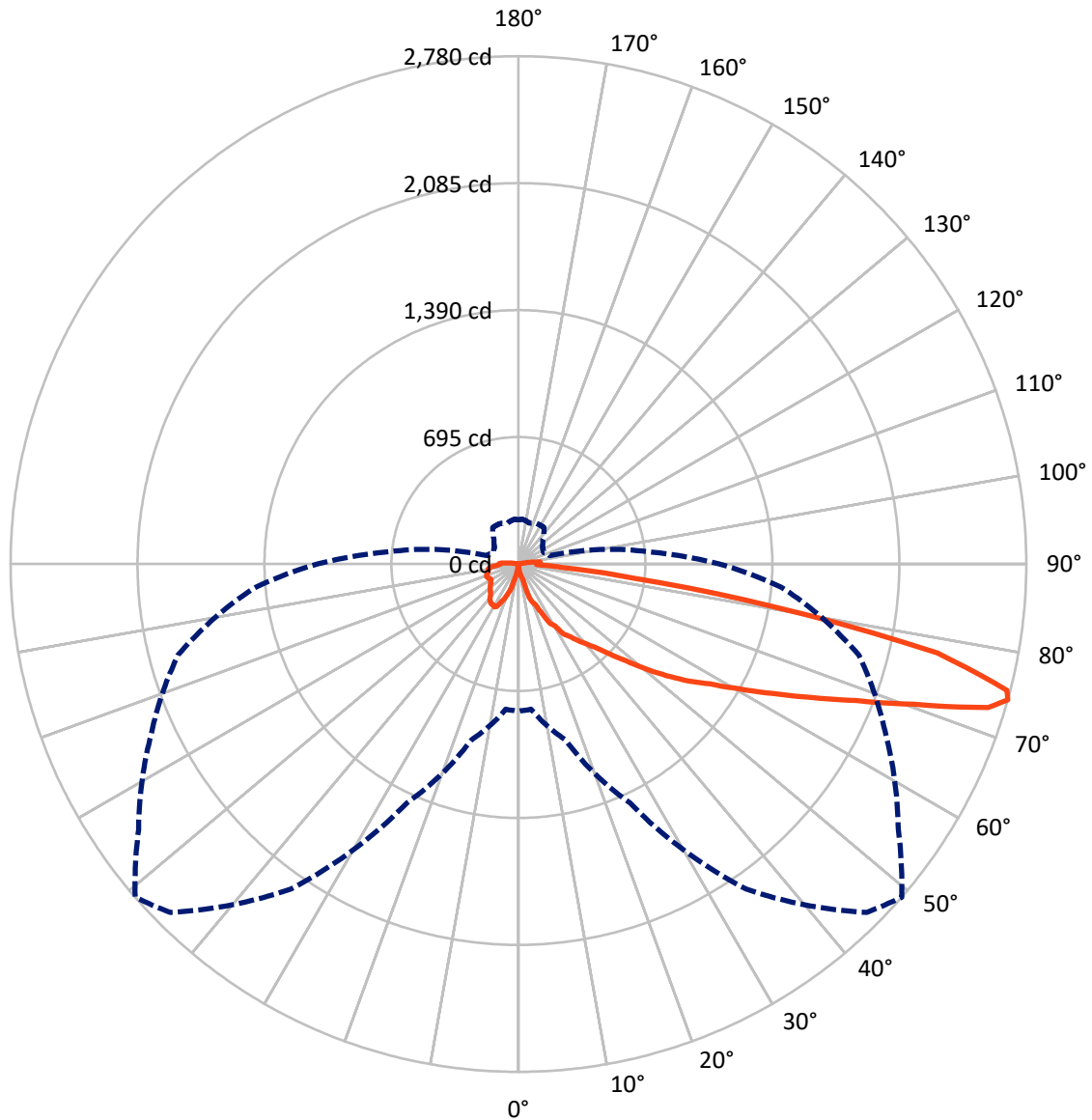
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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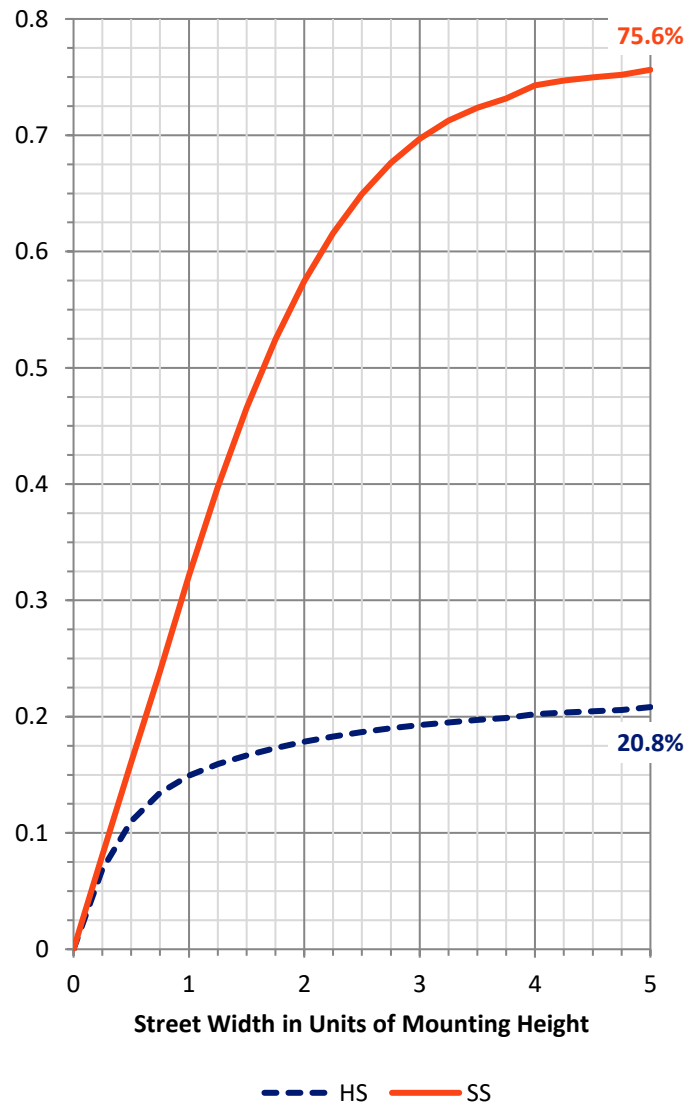
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.4	38.7	940.1
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	3114.8	32.4	3147.2
	% Fixture	76.2	0.8	77.0
Total	Lumens	4016.2	71.1	4087.3
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	36.8	0.9
20°-30°	139.5	3.4
30°-40°	296.5	7.3
40°-50°	487.3	11.9
50°-60°	786.0	19.2
60°-70°	1135.6	27.8
70°-80°	932.3	22.8
80°-90°	200.0	4.9
90°-100°	64.4	1.6
100°-110°	5.1	0.1
110°-120°	0.7	0.0
120°-130°	0.5	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°	4016.2	98.3
0°-180°	4087.3	100.0



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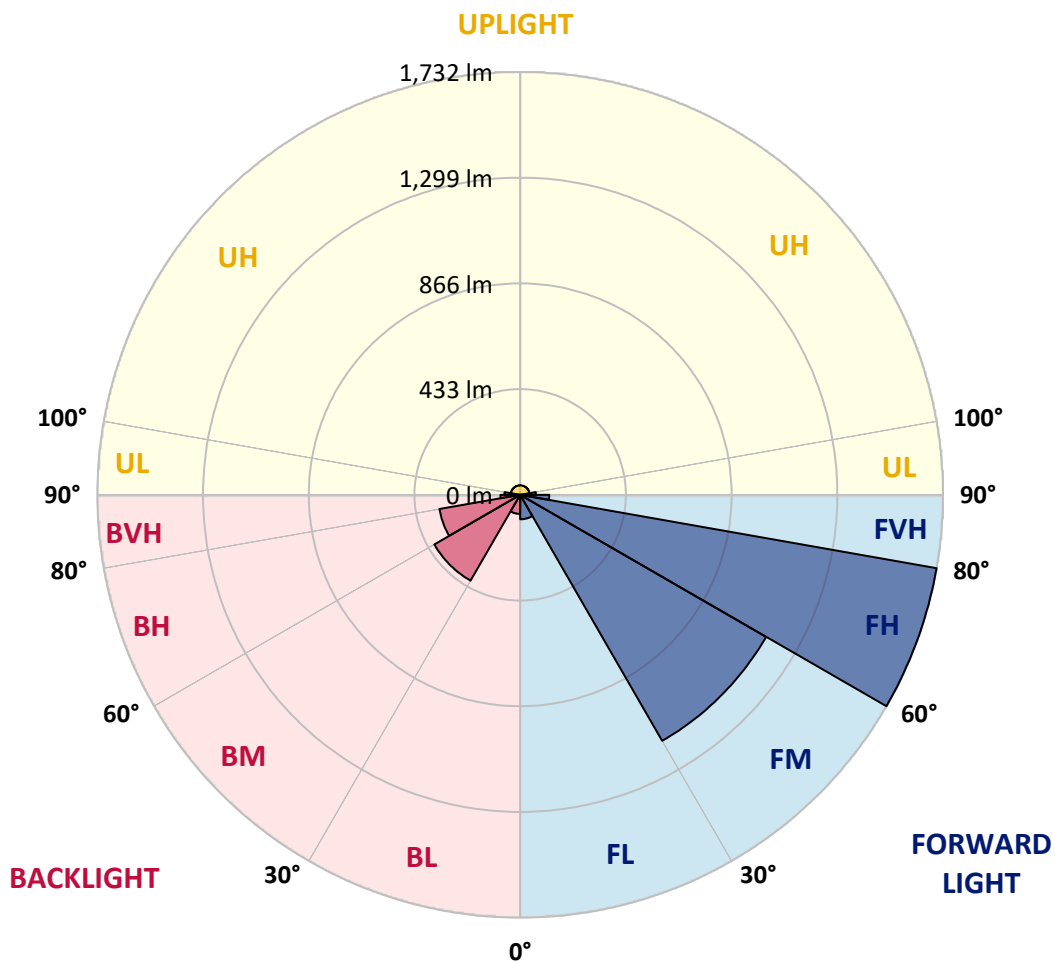
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.2	2.5			
FM (30°-60°)	1163.5	28.5			
FH (60°-80°)	1732.1	42.4			G1/1800
FVH (80°-90°)	119.0	2.9			G2/225
BL (0°-30°)	78.4	1.9	B0/110		
BM (30°-60°)	406.2	9.9	B1/1000		
BH (60°-80°)	335.9	8.2	B1/500		G1/500
BVH (80°-90°)	80.9	2.0			G1/100
UL (90°-100°)	64.4	1.6		U3/500	
UH (100°-180°)	38.7	0.9		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	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°	3.4	2.9	2.4	1.9	1.9	1.4	1.4	1.4	1.9	1.9	1.9
5°	54.3	53.9	48.9	46.6	18.9	11.7	10.2	6.3	2.4	1.9	1.9
7.5°	64.5	63.6	62.1	65.0	60.6	52.9	48.5	28.2	7.7	2.4	1.9
10°	85.3	84.4	77.1	75.2	68.4	62.6	59.2	55.2	23.3	4.8	3.4
12.5°	161.4	156.2	151.9	128.6	86.9	70.4	69.8	65.4	54.8	49.5	60.2
15°	182.4	177.5	170.2	168.8	154.3	93.1	85.3	117.9	139.8	104.8	107.2
17.5°	206.6	209.1	199.4	178.9	166.4	178.0	196.0	173.1	153.3	127.7	129.5
20°	291.0	289.1	281.4	258.1	211.0	229.5	223.1	219.3	178.9	235.8	229.0
22.5°	302.2	301.8	297.8	283.7	303.2	244.5	242.5	270.2	266.3	271.2	261.4
25°	396.3	400.2	387.6	304.2	319.1	312.4	301.2	328.5	297.8	300.3	334.7
27.5°	415.1	413.3	406.6	389.5	337.6	370.2	367.2	348.3	386.7	407.4	409.9
30°	522.5	508.8	439.4	423.5	407.4	387.6	392.9	414.7	431.7	425.9	449.7
32.5°	574.3	571.0	559.9	496.7	441.0	429.3	457.5	465.2	455.5	539.4	580.6
35°	747.6	732.0	642.8	550.5	491.4	485.1	488.0	487.6	554.0	569.0	625.7
37.5°	964.3	944.0	873.6	675.2	536.5	507.8	532.1	556.9	579.7	623.4	667.0
40°	1091.5	1080.8	1024.6	834.8	625.7	552.6	576.3	588.4	618.5	654.4	727.6
42.5°	1189.0	1187.9	1152.5	947.4	747.6	623.4	627.7	629.2	651.5	709.6	796.5
45°	1255.4	1254.4	1260.8	1053.1	863.9	703.8	704.4	686.9	702.9	778.6	892.1
47.5°	1337.9	1323.3	1337.9	1165.1	964.9	799.4	790.7	749.9	783.4	874.2	1025.0
50°	1420.4	1406.7	1412.6	1252.9	1064.7	915.8	900.3	846.0	892.1	994.5	1189.4
52.5°	1528.0	1510.6	1484.4	1345.6	1200.1	1037.1	1015.3	971.2	1013.8	1145.8	1397.1
55°	1607.1	1594.5	1585.8	1477.0	1295.7	1144.8	1129.7	1079.8	1195.3	1315.1	1618.7
57.5°	1668.7	1673.6	1700.3	1638.2	1475.1	1263.1	1238.9	1218.0	1366.5	1515.4	1856.5
60°	1733.7	1724.5	1790.0	1788.0	1627.0	1382.0	1386.8	1384.0	1541.1	1706.5	2132.4
62.5°	1729.8	1737.1	1855.0	1894.2	1757.4	1540.7	1559.5	1554.2	1720.2	1896.7	2337.2
65°	1573.2	1594.5	1851.1	1940.9	1919.0	1728.4	1759.9	1755.6	1927.3	2058.8	2466.6
67.5°	1470.3	1497.5	1739.5	1978.6	2072.3	1969.0	1994.2	1978.2	2075.3	2148.9	2467.2
70°	1362.6	1381.6	1597.0	1993.8	2237.7	2282.9	2298.9	2199.9	2198.4	2200.4	2264.8
72.5°	1108.9	1111.3	1306.3	1762.8	2309.5	2622.9	2687.4	2470.2	2262.4	2103.8	1819.6
74°	804.8	798.4	997.3	1442.2	2171.7	2697.1	2780.1	2538.9	2219.8	1929.2	1442.2
75°	580.6	597.1	744.6	1166.7	1959.8	2676.8	2761.6	2524.9	2131.5	1752.2	1172.9
77.5°	184.8	191.1	242.5	491.4	1200.1	2193.6	2343.9	2121.9	1623.1	1107.1	606.4
80°	99.0	103.4	129.5	193.1	503.5	1273.4	1419.4	1232.7	901.3	556.3	331.8
82.5°	59.2	62.1	84.9	116.5	261.0	528.7	625.7	512.8	439.0	320.1	231.8
85°	38.4	39.4	49.5	71.8	169.3	208.1	243.9	251.3	250.3	224.6	186.3
87.5°	21.3	21.9	23.3	30.6	77.6	109.2	99.4	121.8	145.6	144.5	165.0
90°	15.1	15.1	12.6	13.5	42.7	109.6	100.0	107.2	96.5	113.5	170.2
92.5°	14.1	14.5	11.7	12.1	34.0	107.7	120.3	119.8	99.0	118.9	171.2
95°	11.7	12.6	9.2	10.2	21.3	92.3	119.3	118.9	87.3	94.1	121.8
97.5°	9.2	9.8	6.3	7.7	12.6	47.1	71.8	68.4	46.1	39.8	47.5
100°	5.8	6.3	3.4	5.4	7.7	15.6	25.6	27.2	21.3	9.8	5.8
102.5°	5.8	6.3	2.4	3.4	3.4	4.4	5.8	4.8	6.8	3.4	4.8
105°	5.8	6.3	1.9	1.4	1.0	1.4	1.0	1.4	2.4	2.9	5.8
107.5°	4.4	4.8	1.0	1.0	0.4	1.0	1.0	1.0	1.4	2.4	5.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	2.9	2.9	0.4	0.4	0.0	1.0	1.0	1.0	1.4	1.9	2.9
112.5°	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	1.4	1.4	1.9
115°	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	1.0	1.4	2.4
117.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4	2.4
120°	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	2.4
122.5°	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	2.4
125°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	2.4
127.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	1.9
130°	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	1.9
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
142.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	1.0
145°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.4
147.5°	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	1.0	1.4	1.4
150°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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°	1.4	1.4	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.4	1.4	1.0	1.0	0.4	0.4	1.0	1.4	2.4	3.4	3.4
7.5°	1.9	1.4	1.4	1.4	1.4	6.8	24.7	43.1	54.3	58.2	57.3
10°	3.4	2.9	2.9	2.9	14.5	47.5	63.6	65.0	69.8	70.8	70.4
12.5°	72.7	62.1	38.8	18.5	51.0	66.4	69.4	74.2	77.6	101.8	106.7
15°	107.7	106.2	103.4	109.2	118.3	76.2	93.6	125.1	141.6	147.9	149.9
17.5°	129.0	127.1	118.9	137.7	146.0	144.5	139.8	149.9	152.3	158.1	157.7
20°	234.3	229.5	204.8	162.5	152.9	192.1	157.7	158.1	196.4	219.3	217.3
22.5°	258.5	256.1	242.5	238.6	205.6	203.2	211.0	216.4	233.4	241.6	240.6
25°	335.7	332.8	269.8	247.4	250.7	215.3	251.8	235.2	242.5	264.4	261.4
27.5°	416.2	409.4	359.9	301.8	251.3	267.8	253.7	277.5	302.2	315.3	316.8
30°	455.1	442.9	385.1	317.3	275.6	264.9	266.8	302.6	307.0	318.3	320.6
32.5°	601.0	590.9	490.9	326.0	276.0	253.3	280.4	295.9	342.5	366.7	368.6
35°	642.2	633.4	495.3	365.8	266.3	262.4	265.4	308.0	331.8	349.3	352.2
37.5°	686.9	671.8	503.5	343.4	274.0	244.5	256.6	279.9	321.1	351.2	358.9
40°	749.9	722.8	498.7	320.1	254.7	238.6	237.7	265.4	283.3	297.8	300.3
42.5°	830.5	783.9	501.6	298.3	237.2	222.2	226.0	238.6	245.0	246.0	246.0
45°	929.5	860.1	514.2	280.4	222.7	214.3	215.9	219.3	220.2	208.5	207.1
47.5°	1062.9	958.1	524.9	266.3	212.0	209.1	204.8	206.6	202.7	187.3	185.3
50°	1221.0	1075.0	534.1	249.8	202.2	201.8	200.8	193.5	186.8	172.2	170.2
52.5°	1390.3	1213.3	538.9	231.8	194.5	196.0	197.0	184.8	175.2	164.0	163.1
55°	1611.5	1374.3	550.5	215.3	185.3	188.3	193.5	181.4	172.2	165.0	169.3
57.5°	1829.8	1552.8	540.9	200.4	178.5	181.0	189.2	184.3	180.0	180.0	181.0
60°	2041.3	1707.5	480.7	188.3	172.2	175.2	192.7	201.4	200.8	210.0	212.5
62.5°	2183.4	1788.0	391.9	177.5	166.8	178.0	208.5	229.0	225.6	229.5	231.4
65°	2241.1	1783.2	298.9	169.8	163.5	190.6	227.0	246.9	234.3	225.6	223.7
67.5°	2180.0	1676.0	242.5	163.5	163.5	202.2	242.5	247.9	234.3	234.8	231.4
70°	1932.1	1426.2	208.5	157.2	165.8	200.4	250.3	246.4	234.8	243.0	238.1
72.5°	1450.0	1016.2	187.3	152.9	165.0	192.7	246.0	246.0	236.2	252.3	247.4
74°	1099.7	736.4	178.0	151.4	160.1	188.7	244.5	243.5	232.4	246.4	241.6
75°	866.4	562.6	172.2	149.3	157.2	186.3	242.0	241.1	230.4	245.5	241.6
77.5°	442.9	294.0	158.7	146.0	149.9	182.9	235.8	236.2	222.7	236.8	233.9
80°	282.3	222.7	141.2	134.8	144.5	183.3	231.8	229.5	213.9	229.5	222.7
82.5°	225.1	183.9	114.5	116.9	137.7	180.5	229.5	218.3	202.7	226.0	202.7
85°	180.5	154.7	79.1	86.4	122.3	165.8	218.7	195.5	179.5	182.9	180.0
87.5°	152.3	125.1	37.3	56.3	95.6	127.1	162.5	151.4	139.2	145.1	138.8
90°	154.3	120.3	26.7	43.1	86.4	105.8	129.5	113.5	106.7	108.7	104.8
92.5°	149.9	114.9	27.2	35.9	84.4	116.0	136.8	116.0	102.3	98.5	95.0
95°	101.4	79.5	25.2	28.2	53.9	91.2	110.6	87.9	71.3	63.1	60.6
97.5°	38.8	35.0	21.9	23.3	28.2	48.5	64.0	56.3	38.4	27.7	26.2
100°	5.8	9.8	17.9	21.9	16.5	18.5	26.7	30.0	19.4	1.9	1.4
102.5°	6.3	5.4	7.3	16.5	9.8	4.0	8.2	16.5	10.7	1.0	1.0
105°	7.3	5.8	2.9	7.3	2.4	0.4	0.4	3.4	2.4	0.4	1.0
107.5°	6.3	5.4	1.9	1.4	0.4	0.4	0.0	0.0	0.0	0.4	1.0



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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	3.4	3.4	1.9	1.0	0.4	0.4	0.0	0.0	0.0	1.0	1.0
112.5°	2.4	2.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	1.0	1.4
115°	2.9	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4
117.5°	2.9	2.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	1.4	1.9
120°	2.9	2.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4
122.5°	2.9	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	1.0	1.4
125°	2.4	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	1.0	1.0
127.5°	2.4	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	1.0
130°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
132.5°	1.4	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	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)