

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: P254686

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254686
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-AF24-90-D-U-SL3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 7763.9 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 94
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

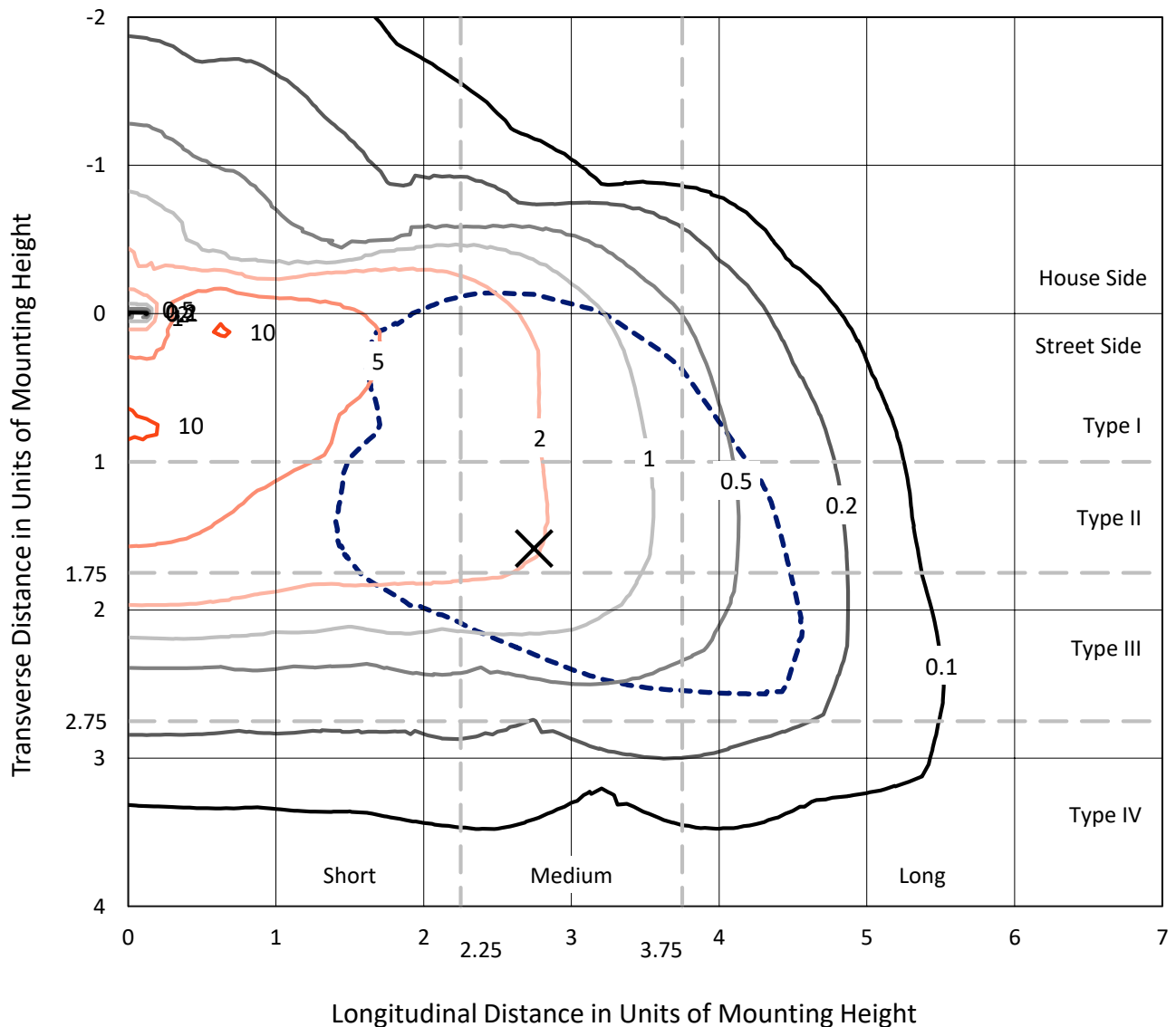


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Iso-Footcandle Lines of Horizontal Illumination

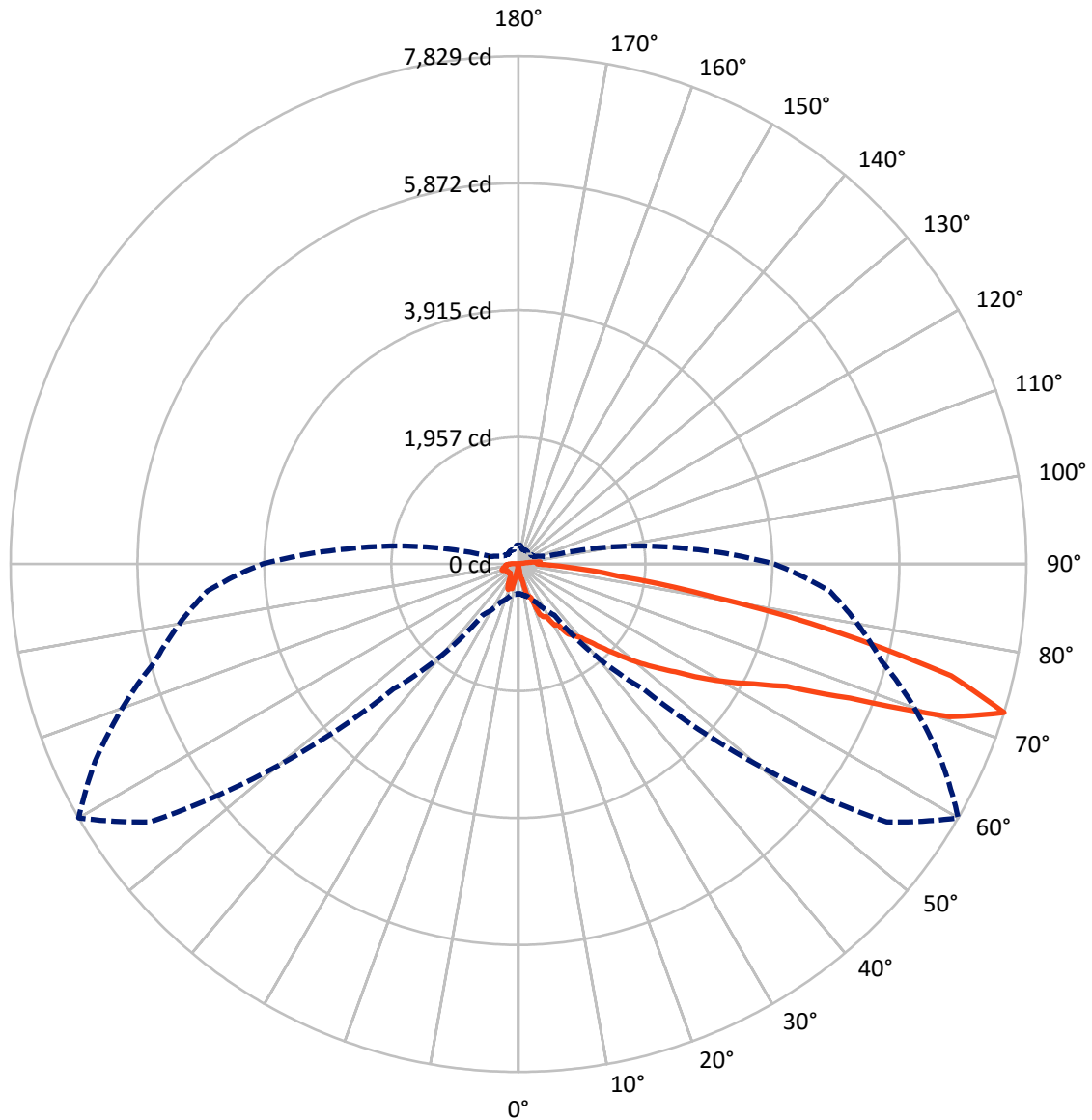
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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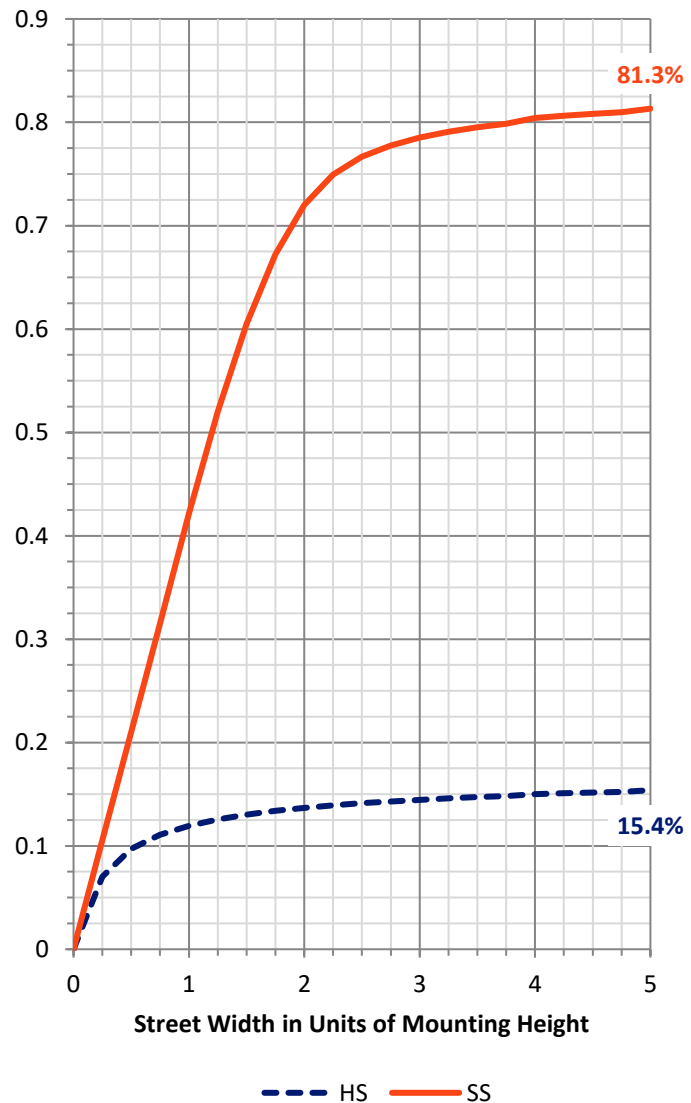
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1259.9	50.5	1310.4
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	6388.8	64.7	6453.5
	% Fixture	82.3	0.8	83.1
Total	Lumens	7648.7	115.2	7763.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	104.1	1.3
20°-30°	305.3	3.9
30°-40°	608.1	7.8
40°-50°	1045.4	13.5
50°-60°	1599.5	20.6
60°-70°	2016.1	26.0
70°-80°	1604.8	20.7
80°-90°	357.0	4.6
90°-100°	100.3	1.3
100°-110°	9.9	0.1
110°-120°	1.9	0.0
120°-130°	1.5	0.0
130°-140°	0.7	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7648.7	98.5
0°-180°	7763.9	100.0

Coefficient of Utilization



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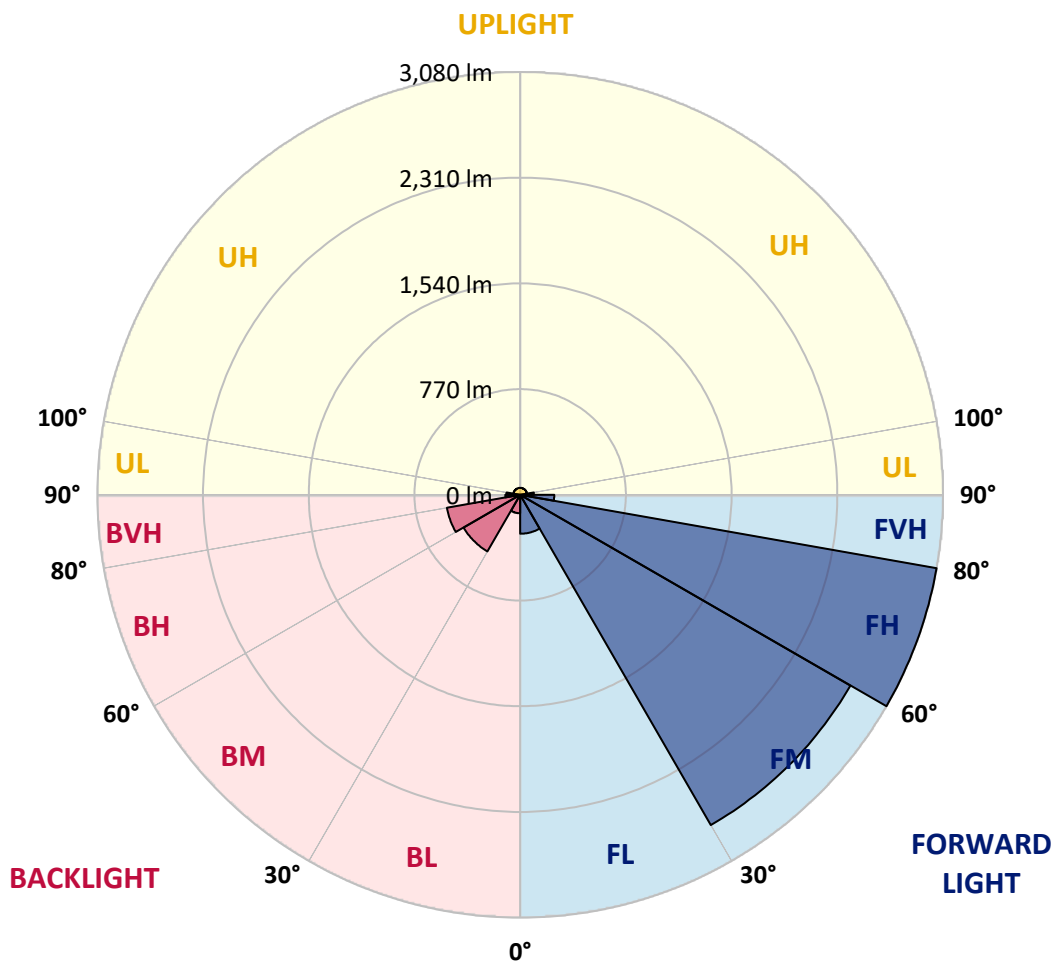
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.6	3.7			
FM (30°-60°)	2777.4	35.8			
FH (60°-80°)	3079.5	39.7			G2/5000
FVH (80°-90°)	248.3	3.2			G3/500
BL (0°-30°)	134.3	1.7	B1/500		
BM (30°-60°)	475.6	6.1	B1/1000		
BH (60°-80°)	541.3	7.0	B2/1000		G2/1000
BVH (80°-90°)	108.7	1.4			G2/225
UL (90°-100°)	100.3	1.3		U3/500	
UH (100°-180°)	50.5	0.7		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.9	4.8	3.9	4.8	4.8	3.9	2.8	3.9	3.9	3.9	2.8
5°	237.8	240.7	214.9	168.2	32.4	23.0	7.6	4.8	4.8	3.9	3.9
7.5°	239.8	241.7	252.2	248.3	253.2	241.7	84.0	24.8	10.5	4.8	3.9
10°	257.9	257.0	254.0	259.8	258.8	246.4	237.8	227.4	51.6	6.7	5.7
12.5°	497.5	499.6	487.1	393.6	274.1	254.0	245.5	237.8	193.9	138.5	321.9
15°	501.4	498.6	485.2	506.2	498.6	291.2	407.9	520.5	524.3	389.7	448.0
17.5°	527.1	520.5	504.3	490.0	487.1	581.7	547.3	518.7	528.2	453.7	485.2
20°	717.3	710.6	702.0	684.8	521.5	663.9	661.9	553.1	557.8	905.4	882.5
22.5°	728.8	717.3	710.6	701.0	780.3	652.4	785.1	841.6	844.3	960.8	931.2
25°	968.5	964.6	904.4	728.8	778.5	742.1	900.8	902.6	883.5	1010.5	1109.8
27.5°	1072.6	1042.0	986.6	954.2	801.3	886.3	898.7	913.1	1148.1	1369.7	1336.2
30°	1441.2	1401.1	1101.3	1072.6	949.4	899.7	1037.3	1091.7	1187.2	1375.3	1384.0
32.5°	1663.8	1609.4	1458.5	1336.2	1126.1	989.6	1109.8	1117.5	1195.9	1714.5	1749.8
35°	2056.4	1984.7	1634.2	1488.1	1315.2	1178.6	1150.0	1329.5	1436.5	1789.8	1811.8
37.5°	2132.7	2132.7	2032.5	1773.8	1509.1	1322.8	1353.4	1396.5	1506.2	1927.5	1917.9
40°	2208.2	2216.9	2236.0	2016.3	1719.2	1533.9	1490.0	1496.7	1599.9	2085.0	2043.9
42.5°	2395.4	2388.7	2420.3	2203.4	2001.9	1768.9	1696.2	1659.9	1734.5	2288.4	2203.4
45°	2719.3	2719.3	2695.3	2400.2	2215.9	2003.9	1935.1	1868.3	1895.0	2488.1	2422.2
47.5°	3120.3	3075.5	2948.5	2629.5	2403.0	2223.5	2166.2	2104.2	2117.6	2724.9	2683.0
50°	3421.2	3373.5	3131.0	2795.6	2556.8	2452.8	2425.0	2379.2	2360.1	2950.3	2967.6
52.5°	3486.3	3427.9	3214.0	2897.9	2685.8	2689.6	2718.3	2652.4	2590.3	3193.0	3255.1
55°	3406.9	3374.5	3240.7	2975.2	2807.1	2890.2	3016.3	2933.2	2905.5	3458.5	3534.0
57.5°	3249.4	3235.9	3228.3	3040.1	2889.3	3109.8	3399.3	3306.6	3234.1	3704.0	3735.5
60°	2916.0	2920.7	3007.7	3039.1	3037.3	3341.0	3755.6	3681.1	3541.6	3940.9	3974.3
62.5°	2328.7	2361.9	2590.3	2812.9	3116.6	3694.4	4096.5	4070.8	3920.8	4211.2	4206.4
65°	1470.0	1534.9	1873.9	2377.3	3008.7	4178.6	4647.7	4546.4	4350.6	4523.5	4595.1
67.5°	794.7	817.6	1005.7	1566.4	2604.6	4406.0	5842.5	5511.0	5058.3	5024.0	5037.3
70°	574.0	580.7	629.5	865.4	1628.5	4039.2	6897.0	7049.7	6178.7	5562.6	5208.3
72.5°	454.6	467.1	513.8	650.4	959.0	2722.0	6932.3	7829.2	7198.8	5799.5	4816.7
75°	313.2	332.3	414.5	559.7	864.4	1359.1	5639.1	6891.2	6949.4	5321.0	3828.1
77.5°	167.1	170.0	189.1	433.6	819.5	980.9	3642.8	4985.7	4974.2	3741.2	2073.5
80°	135.6	137.5	145.2	187.2	702.0	1001.0	1955.0	3019.2	2766.0	1453.7	755.5
82.5°	88.8	94.5	115.6	127.1	315.2	965.7	1161.4	1581.6	1261.7	525.3	473.7
85°	52.6	58.2	84.0	93.6	149.9	1127.0	1042.0	952.3	728.8	371.6	356.3
87.5°	18.1	18.1	24.8	32.4	49.7	322.9	544.4	435.5	334.4	246.4	293.3
90°	9.5	10.5	5.7	5.7	22.0	99.3	291.2	289.4	227.4	241.7	313.2
92.5°	10.5	10.5	5.7	5.7	23.0	59.2	310.4	332.3	268.3	271.3	339.0
95°	11.5	12.4	4.8	4.8	22.0	41.1	273.1	338.1	262.7	245.5	295.1
97.5°	12.4	13.3	4.8	3.9	14.3	31.4	137.5	193.0	151.9	115.6	128.9
100°	11.5	12.4	2.8	2.8	6.7	21.0	52.6	71.7	64.9	26.8	15.3
102.5°	11.5	12.4	2.8	1.8	2.8	11.5	11.5	26.8	16.3	8.6	12.4
105°	11.5	12.4	2.8	1.8	1.0	5.7	3.9	4.8	5.7	7.6	14.3
107.5°	6.7	7.6	1.8	1.8	1.0	1.0	1.8	1.8	3.9	5.7	12.4
110°	2.8	2.8	1.0	1.0	0.0	1.0	1.0	1.8	3.9	4.8	6.7



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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	1.0	1.8	2.8	3.9	5.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	6.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	6.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	6.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	6.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	6.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9	5.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.9	5.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.8	3.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.8	2.8
140°	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8
142.5°	1.8	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.8	2.8	2.8
145°	2.8	1.8	1.8	1.0	0.0	0.0	1.0	1.8	2.8	2.8	2.8
147.5°	2.8	2.8	1.8	1.0	0.0	0.0	1.0	1.8	2.8	3.9	3.9
150°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	1.0	1.8	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.8	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.8	2.8	2.8	1.8	1.0	0.0	0.0	0.0	1.0	1.0	1.8
7.5°	2.8	2.8	2.8	1.8	1.8	1.0	176.7	205.3	235.9	231.2	224.4
10°	4.8	4.8	4.8	3.9	11.5	212.1	237.8	227.4	222.6	220.6	223.6
12.5°	325.7	383.9	128.0	19.1	188.2	207.3	212.1	200.6	207.3	209.1	203.4
15°	447.0	438.3	403.0	414.5	368.6	199.6	190.1	282.8	281.8	280.8	280.8
17.5°	483.3	459.4	398.2	421.2	368.6	302.7	234.9	224.4	216.8	217.8	215.9
20°	870.1	813.8	629.5	409.7	322.9	323.7	199.6	172.8	216.8	253.2	257.9
22.5°	876.8	822.4	659.1	531.0	322.9	256.0	195.8	204.5	245.5	268.3	272.2
25°	1103.2	997.1	647.6	448.9	323.7	208.2	208.2	196.7	223.6	255.0	259.8
27.5°	1258.8	1135.6	789.8	440.4	243.5	203.4	186.3	188.2	238.7	260.8	261.6
30°	1260.8	1115.5	743.1	369.7	202.4	176.7	168.2	196.7	209.1	223.6	224.4
32.5°	1639.0	1422.2	834.7	297.0	180.5	159.5	169.1	187.2	211.1	246.4	250.2
35°	1639.0	1398.3	726.9	273.1	171.0	160.5	173.8	200.6	201.6	228.3	234.1
37.5°	1684.9	1396.5	614.1	228.3	178.6	160.5	181.5	188.2	196.7	224.4	225.4
40°	1756.5	1416.4	502.4	208.2	176.7	174.9	176.7	185.3	183.3	201.6	202.4
42.5°	1874.9	1461.4	417.4	201.6	175.7	183.3	178.6	175.7	165.2	216.8	217.8
45°	2048.7	1563.5	355.3	201.6	176.7	195.8	184.3	170.0	159.5	261.6	269.4
47.5°	2253.2	1691.6	326.6	206.3	180.5	198.7	175.7	170.0	170.0	283.6	287.5
50°	2497.6	1838.7	313.2	210.1	193.0	196.7	181.5	180.5	188.2	263.7	262.7
52.5°	2756.5	2020.1	311.4	215.9	201.6	189.1	205.3	193.0	168.2	193.0	193.0
55°	3013.4	2243.6	308.5	217.8	196.7	193.9	210.1	172.0	143.2	156.7	158.5
57.5°	3260.9	2456.5	320.0	210.1	195.8	193.9	200.6	172.0	148.0	160.5	164.3
60°	3512.9	2694.5	387.8	198.7	199.6	189.1	199.6	186.3	163.4	193.9	197.8
62.5°	3818.6	3022.0	528.2	209.1	202.4	192.0	198.7	197.8	170.0	185.3	189.1
65°	4255.9	3386.8	611.3	246.4	211.1	200.6	198.7	213.9	190.1	180.5	181.5
67.5°	4555.9	3519.7	593.2	277.9	232.0	206.3	214.9	230.2	203.4	205.3	204.5
70°	4501.5	3283.7	515.8	293.3	245.5	212.1	232.0	229.2	213.9	243.5	241.7
72.5°	3944.7	2661.9	437.5	269.4	241.7	213.9	235.9	234.9	232.0	292.3	292.3
75°	2938.0	1786.1	379.1	247.4	231.2	212.1	231.2	233.0	231.2	299.0	300.9
77.5°	1442.2	892.1	321.9	222.6	213.9	216.8	228.3	229.2	226.3	290.4	290.4
80°	644.7	489.1	245.5	187.2	206.3	228.3	229.2	220.6	224.4	275.2	274.1
82.5°	447.0	351.5	160.5	164.3	231.2	247.4	234.1	215.9	212.9	251.2	247.4
85°	324.7	258.8	98.4	139.5	253.2	234.1	221.6	194.8	186.3	212.9	208.2
87.5°	261.6	206.3	60.2	116.6	231.2	205.3	184.3	160.5	149.0	164.3	156.7
90°	282.8	222.6	60.2	101.3	190.1	153.7	135.6	119.4	107.9	108.9	104.2
92.5°	304.8	236.9	64.0	84.0	140.4	88.8	90.6	83.1	65.9	59.2	53.5
95°	234.9	177.6	56.4	69.7	84.0	54.4	69.7	63.1	44.9	31.4	26.8
97.5°	104.2	84.0	50.6	55.4	59.2	44.9	59.2	50.6	26.8	15.3	13.3
100°	12.4	21.0	43.9	53.5	42.9	30.6	39.2	30.6	11.5	3.9	2.8
102.5°	13.3	9.5	19.1	47.7	24.8	9.5	11.5	11.5	4.8	1.8	1.8
105°	14.3	10.5	7.6	24.8	5.7	1.8	1.0	1.0	1.0	1.8	1.8
107.5°	13.3	9.5	4.8	3.9	2.8	1.8	0.0	0.0	0.0	1.8	2.8
110°	7.6	6.7	4.8	3.9	2.8	1.8	0.0	0.0	0.0	2.8	3.9



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.7	5.7	3.9	2.8	1.8	1.0	0.0	0.0	0.0	3.9	4.8
115°	6.7	5.7	3.9	2.8	1.8	1.0	0.0	0.0	0.0	4.8	5.7
117.5°	7.6	6.7	3.9	2.8	1.8	0.0	0.0	0.0	0.0	5.7	5.7
120°	7.6	6.7	3.9	2.8	1.0	0.0	0.0	0.0	0.0	4.8	5.7
122.5°	7.6	6.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	4.8	5.7
125°	6.7	6.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	4.8	4.8
127.5°	6.7	5.7	3.9	1.8	1.0	0.0	0.0	0.0	0.0	3.9	4.8
130°	5.7	5.7	2.8	1.8	1.0	0.0	0.0	0.0	0.0	2.8	3.9
132.5°	4.8	3.9	2.8	1.8	1.0	0.0	0.0	0.0	0.0	1.0	1.8
135°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.9	3.9	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.9	3.9	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)