

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: P255227

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-100-D-U-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7761.8 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G4

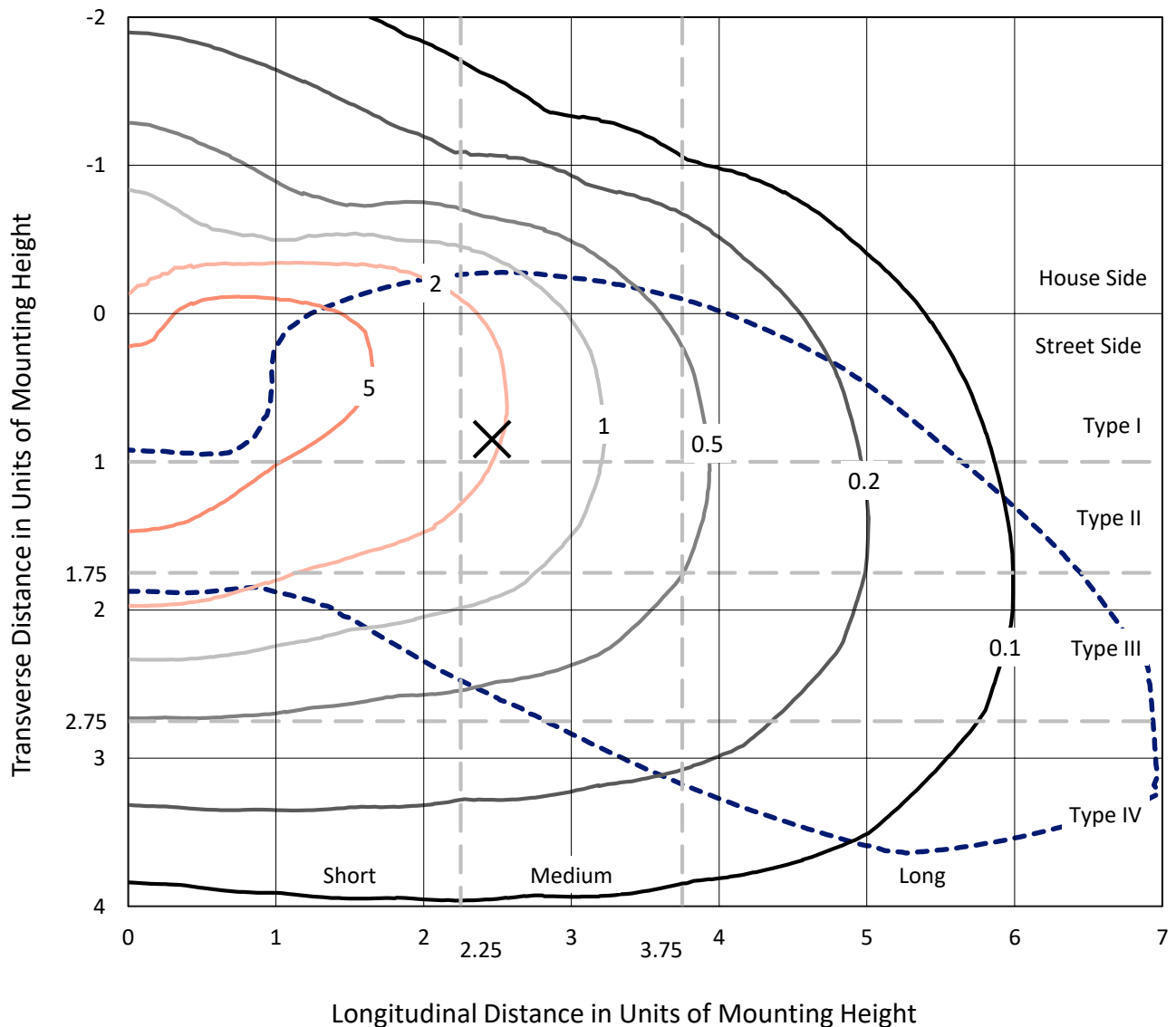
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

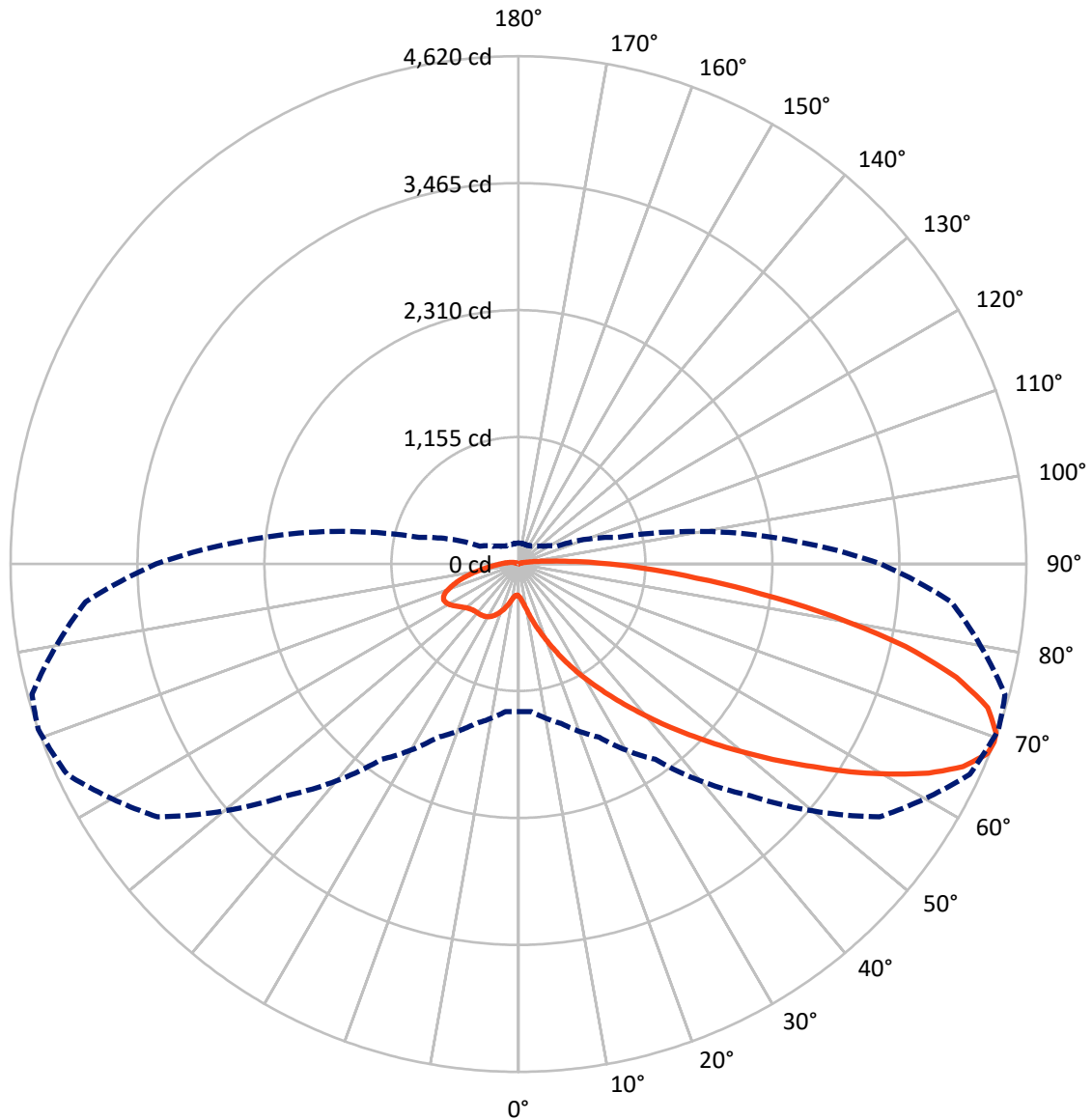


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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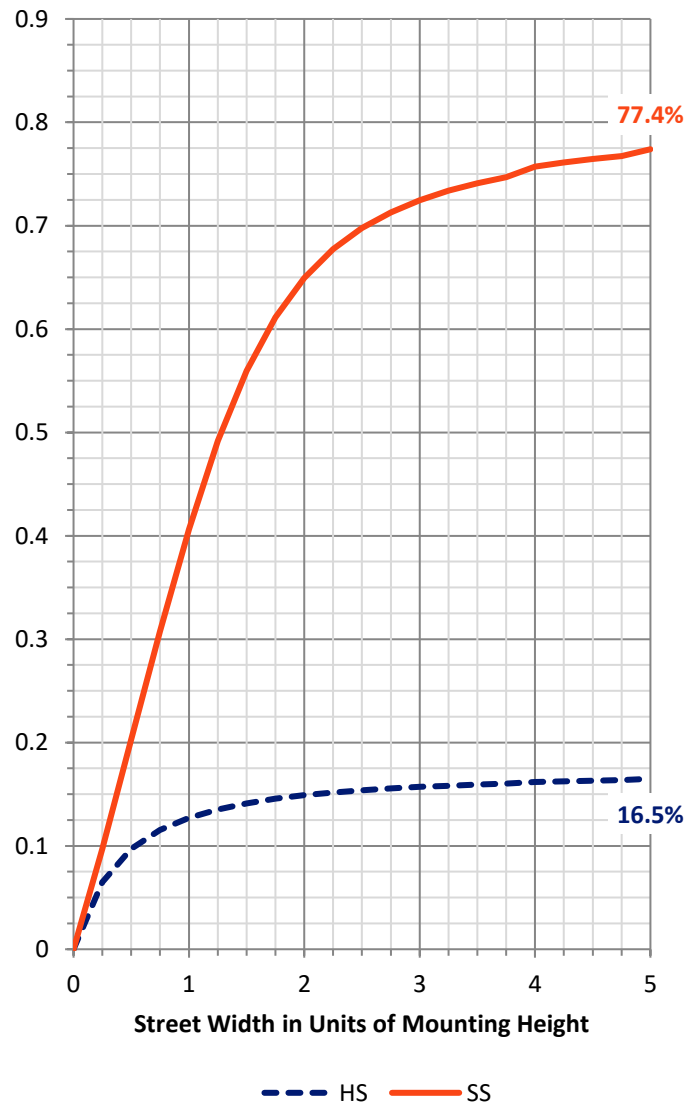
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1333.5	99.1	1432.6
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	6175.8	153.4	6329.2
	% Fixture	79.6	2.0	81.5
Total	Lumens	7509.3	252.5	7761.8
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.4
10°-20°	126.4	1.6
20°-30°	305.3	3.9
30°-40°	594.4	7.7
40°-50°	1017.2	13.1
50°-60°	1518.0	19.6
60°-70°	1825.4	23.5
70°-80°	1460.7	18.8
80°-90°	631.4	8.1
90°-100°	169.6	2.2
100°-110°	52.1	0.7
110°-120°	19.8	0.3
120°-130°	7.3	0.1
130°-140°	2.8	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7509.3	96.7
0°-180°	7761.8	100.0

Coefficient of Utilization



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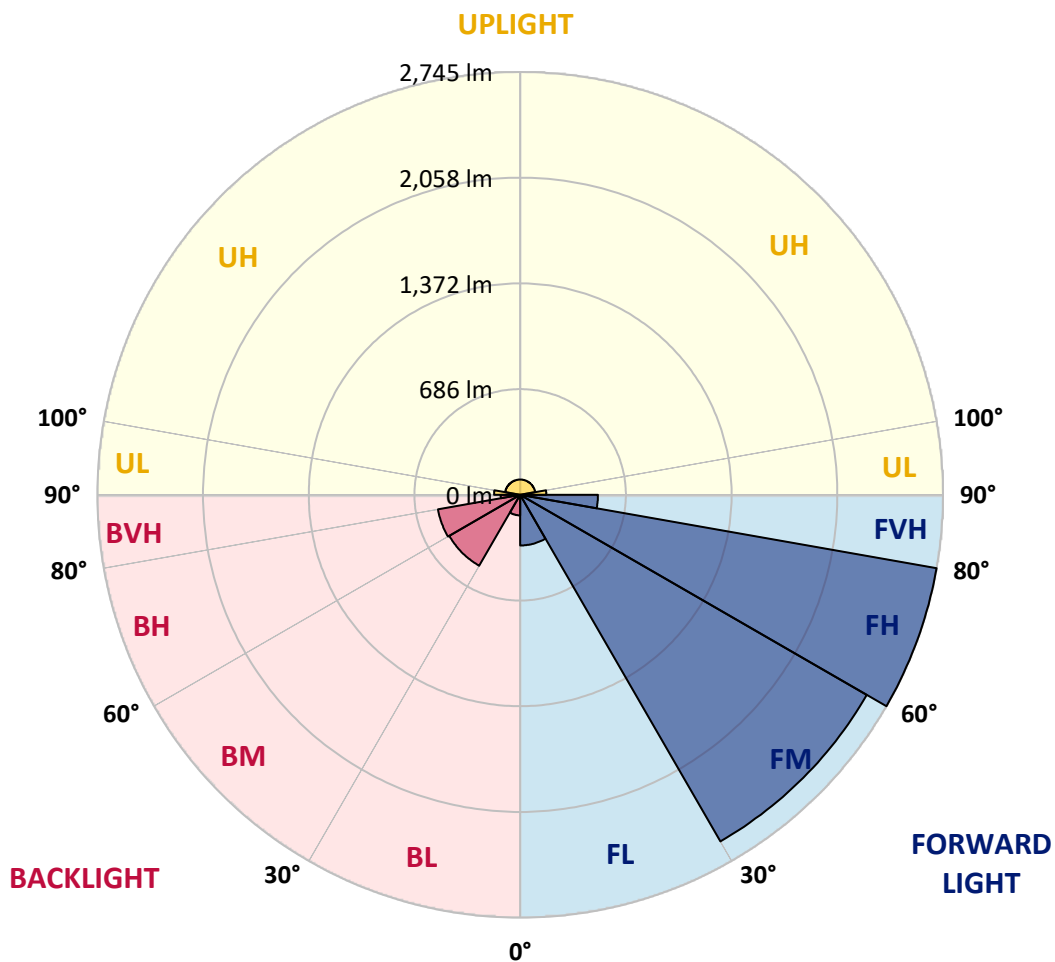
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.8	4.2			
FM (30°-60°)	2597.8	33.5			
FH (60°-80°)	2744.6	35.4			G2/5000
FVH (80°-90°)	504.7	6.5			G4/750
BL (0°-30°)	133.4	1.7	B1/500		
BM (30°-60°)	531.9	6.9	B1/1000		
BH (60°-80°)	541.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	126.7	1.6			G2/225
UL (90°-100°)	169.6	2.2		U3/500	
UH (100°-180°)	99.1	1.3		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0
2.5°	329.9	329.9	328.9	329.9	324.9	323.1	317.2	311.4	307.6	306.6	297.8
5°	368.5	368.5	367.5	367.5	361.7	357.9	350.0	340.5	335.7	331.7	317.2
7.5°	413.0	412.0	411.1	412.0	407.2	398.5	391.7	379.1	374.3	366.6	348.2
10°	467.2	465.2	466.2	463.3	455.5	451.7	444.9	431.3	425.6	419.8	398.5
12.5°	532.8	532.8	531.0	525.2	517.5	515.4	512.7	504.9	497.1	489.4	459.4
15°	606.4	604.5	601.6	593.9	587.0	583.2	587.0	582.3	576.5	566.7	532.0
17.5°	690.5	686.7	681.9	672.2	661.6	663.4	667.3	663.4	655.8	652.9	611.2
20°	783.4	782.4	772.8	756.3	746.7	740.9	751.4	756.3	749.5	746.7	699.3
22.5°	893.6	886.8	874.3	854.0	836.6	826.9	838.6	855.9	854.0	850.1	799.9
25°	1022.3	1011.6	999.0	963.3	934.2	917.9	934.2	958.4	968.1	964.2	905.2
27.5°	1166.5	1151.9	1131.6	1090.0	1042.6	1009.7	1032.9	1064.8	1089.0	1091.0	1019.4
30°	1323.1	1310.4	1283.5	1222.5	1155.8	1115.1	1133.6	1181.8	1215.7	1217.7	1139.3
32.5°	1502.0	1488.4	1434.3	1369.4	1283.5	1227.3	1245.7	1308.6	1349.3	1362.7	1269.9
35°	1694.5	1680.0	1634.5	1532.9	1421.7	1349.3	1369.4	1447.8	1497.2	1517.5	1409.1
37.5°	1899.5	1875.3	1823.1	1709.9	1584.3	1491.4	1501.0	1592.9	1660.6	1686.8	1564.9
40°	2099.8	2090.0	2019.4	1886.9	1735.1	1634.5	1643.3	1750.6	1835.7	1865.7	1731.2
42.5°	2304.8	2282.5	2215.8	2061.9	1894.7	1785.4	1806.7	1927.6	2032.0	2064.9	1905.3
45°	2500.1	2480.7	2395.6	2232.1	2058.1	1948.8	1978.8	2128.7	2237.1	2280.6	2103.6
47.5°	2677.1	2651.9	2565.9	2388.9	2218.7	2120.9	2159.7	2337.6	2464.4	2514.6	2326.0
50°	2804.8	2784.5	2696.4	2523.4	2365.7	2301.9	2373.4	2565.0	2708.1	2775.7	2567.8
52.5°	2860.9	2851.2	2767.1	2611.3	2493.3	2481.8	2613.3	2809.6	2972.1	3045.6	2826.1
55°	2840.5	2826.1	2778.7	2653.9	2591.1	2656.7	2864.8	3089.1	3255.5	3334.8	3103.6
57.5°	2725.5	2715.7	2712.0	2633.5	2648.1	2824.2	3113.4	3402.5	3565.9	3629.8	3381.2
60°	2530.1	2524.3	2564.0	2560.1	2662.6	2960.5	3375.4	3734.3	3879.2	3952.8	3653.0
62.5°	2238.9	2252.5	2343.4	2421.7	2615.2	3051.4	3615.3	4036.9	4188.8	4242.0	3863.9
65°	1898.5	1922.8	2044.6	2204.2	2506.0	3089.1	3831.9	4300.0	4445.1	4464.5	3998.3
67.5°	1520.4	1559.0	1704.1	1925.5	2318.3	3054.4	3968.3	4477.0	4602.8	4578.5	4009.9
69°	1342.5	1347.2	1501.0	1739.0	2169.4	2979.8	4009.9	4529.3	4620.1	4582.5	3952.8
70°	1211.9	1219.6	1371.4	1617.1	2059.1	2907.3	4008.9	4541.8	4610.5	4551.5	3897.8
72.5°	897.6	926.5	1077.4	1330.8	1775.7	2656.7	3879.2	4472.2	4465.4	4359.0	3602.8
75°	651.8	676.1	821.1	1071.7	1495.2	2327.0	3561.1	4184.0	4117.2	3980.9	3152.0
77.5°	465.2	472.0	600.6	842.4	1234.1	1947.9	3074.7	3669.5	3599.8	3395.7	2581.4
80°	314.3	320.1	425.6	637.3	993.2	1600.6	2531.1	3007.9	2915.0	2693.6	1959.4
82.5°	203.1	213.7	296.9	468.0	777.6	1291.1	1999.1	2329.9	2223.5	2025.2	1441.0
85°	142.1	145.1	206.0	338.4	584.2	999.0	1518.4	1734.2	1623.9	1460.5	1005.8
87.5°	94.7	97.7	145.1	245.7	425.6	731.2	1103.5	1230.3	1135.4	1003.9	670.2
90°	60.0	64.8	100.6	175.1	306.6	510.7	763.0	824.1	756.3	649.0	415.8
92.5°	42.5	44.5	70.6	125.7	217.7	350.0	498.1	522.3	464.3	393.7	251.6
95°	29.1	30.9	51.3	89.9	156.7	236.0	317.2	318.2	271.7	232.0	159.6
97.5°	21.3	23.2	38.7	66.7	112.2	161.4	202.1	191.5	163.5	142.1	111.2
100°	17.4	18.3	30.9	51.3	81.3	114.1	132.5	119.9	105.4	94.7	81.3
102.5°	14.5	15.6	26.1	41.6	60.9	81.3	89.9	80.3	71.6	65.8	60.9
105°	12.6	13.5	22.3	34.9	49.2	60.0	63.8	57.1	52.2	48.4	45.5
107.5°	11.6	12.6	19.3	29.9	40.7	48.4	50.3	43.4	38.7	34.9	32.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	10.6	11.6	17.4	26.1	34.9	40.7	39.7	33.9	28.1	24.1	24.1
112.5°	9.8	10.6	15.6	23.2	29.9	33.9	32.9	25.1	20.3	17.4	17.4
115°	8.7	9.8	13.5	20.3	26.1	28.1	26.1	19.3	14.5	11.6	13.5
117.5°	7.7	8.7	11.6	17.4	22.3	23.2	20.3	14.5	10.6	8.7	9.8
120°	7.7	7.7	10.6	14.5	18.3	19.3	16.4	10.6	7.7	6.8	7.7
122.5°	6.8	7.7	9.8	12.6	15.6	15.6	12.6	7.7	5.8	5.8	6.8
125°	6.8	6.8	7.7	10.6	12.6	12.6	9.8	5.8	4.8	5.8	6.8
127.5°	5.8	6.8	7.7	9.8	10.6	10.6	7.7	4.8	4.8	4.8	5.8
130°	5.8	5.8	6.8	7.7	8.7	7.7	5.8	3.9	3.9	4.8	5.8
132.5°	5.8	5.8	5.8	6.8	7.7	5.8	3.9	3.9	3.9	3.9	5.8
135°	4.8	4.8	4.8	5.8	5.8	3.9	2.9	2.9	3.9	3.9	4.8
137.5°	3.9	3.9	3.9	3.9	3.9	2.9	1.9	2.9	2.9	3.9	4.8
140°	2.9	2.9	2.9	2.9	2.9	1.0	1.9	1.9	2.9	2.9	3.9
142.5°	1.9	1.9	1.9	2.9	1.9	1.0	1.0	1.9	2.9	2.9	3.9
145°	1.0	1.0	1.9	1.9	1.0	0.0	1.0	1.9	1.9	2.9	2.9
147.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.9	1.9	2.9
150°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.9	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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°	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0
2.5°	295.0	292.0	285.2	278.5	271.7	266.9	263.1	262.1	259.2	256.3	257.3
5°	310.4	303.7	292.0	277.6	264.1	252.4	243.7	236.0	231.2	225.4	226.2
7.5°	338.4	327.9	307.6	283.4	261.1	242.8	225.4	215.7	207.9	204.1	203.1
10°	381.1	366.6	332.7	297.8	264.1	237.0	215.7	203.1	195.3	190.5	190.5
12.5°	441.1	419.8	371.4	321.1	274.7	237.9	212.7	200.2	192.6	189.6	189.6
15°	506.8	478.8	414.0	345.3	285.2	240.8	213.7	200.2	193.4	190.5	189.6
17.5°	580.2	542.6	455.5	365.6	294.0	246.6	214.7	200.2	193.4	191.5	190.5
20°	659.6	612.2	498.1	384.9	300.8	247.6	213.7	199.3	194.4	193.4	193.4
22.5°	748.5	686.7	538.7	401.4	304.7	244.7	210.9	198.3	195.3	196.3	196.3
25°	841.4	764.0	577.4	411.1	300.8	237.9	207.9	198.3	197.3	200.2	200.2
27.5°	940.0	841.4	611.2	417.8	293.1	228.3	203.1	198.3	199.3	203.1	203.1
30°	1043.5	920.7	640.3	416.9	283.4	220.4	200.2	197.3	201.1	206.9	206.9
32.5°	1152.9	1003.0	664.4	411.1	271.7	214.7	197.3	198.3	204.1	210.9	211.9
35°	1265.0	1080.3	683.8	399.5	261.1	209.9	197.3	200.2	206.9	214.7	215.7
37.5°	1389.8	1167.3	701.2	388.9	253.4	207.9	198.3	201.1	208.9	217.7	219.5
40°	1524.2	1262.2	713.8	375.3	247.6	208.9	200.2	203.1	209.9	219.5	221.5
42.5°	1667.4	1358.8	727.3	364.6	242.8	209.9	203.1	204.1	210.9	221.5	223.4
45°	1829.9	1467.3	742.8	355.0	241.8	213.7	205.1	204.1	209.9	223.4	224.4
47.5°	2015.7	1602.7	766.0	348.2	241.8	216.7	206.9	204.1	208.9	223.4	225.4
50°	2218.7	1744.8	794.1	346.3	244.7	220.4	208.9	204.1	207.9	219.5	221.5
52.5°	2434.4	1905.3	831.8	347.2	248.6	223.4	210.9	203.1	205.1	213.7	214.7
55°	2674.2	2076.5	874.3	353.0	254.3	227.3	211.9	201.1	201.1	206.9	206.9
57.5°	2909.2	2254.4	920.7	359.8	262.1	231.2	211.9	199.3	198.3	202.1	202.1
60°	3126.9	2403.3	966.2	368.5	268.9	233.0	210.9	197.3	195.3	198.3	199.3
62.5°	3308.7	2524.3	994.3	378.1	274.7	234.1	208.9	195.3	193.4	196.3	196.3
65°	3388.0	2582.4	1000.0	384.9	280.5	233.0	206.0	192.6	191.5	193.4	194.4
67.5°	3374.5	2549.4	972.0	385.9	282.4	232.0	203.1	189.6	189.6	191.5	191.5
69°	3297.1	2478.9	936.3	383.9	282.4	229.2	200.2	187.6	188.6	190.5	190.5
70°	3223.5	2403.3	901.4	379.1	281.5	227.3	197.3	185.7	187.6	189.6	189.6
72.5°	2941.2	2156.8	809.5	363.7	273.7	220.4	191.5	179.8	183.8	187.6	186.7
75°	2532.1	1828.9	701.2	339.5	261.1	210.9	183.8	173.1	178.9	183.8	182.8
77.5°	2037.8	1462.3	588.1	311.4	245.7	198.3	174.0	165.4	172.2	178.0	177.0
80°	1550.4	1122.8	477.8	280.5	225.4	184.7	163.5	155.7	164.4	169.3	168.3
82.5°	1133.6	821.1	375.3	249.5	206.0	170.2	150.9	145.1	153.7	158.7	156.7
85°	786.3	573.5	290.2	215.7	184.7	153.7	137.3	133.6	141.2	145.1	143.1
87.5°	519.4	386.9	224.4	186.7	164.4	138.3	124.8	121.0	128.6	130.6	129.6
90°	329.9	259.2	178.0	160.5	145.1	122.8	111.2	109.3	115.0	116.1	113.2
92.5°	210.9	178.0	144.1	138.3	126.7	109.3	99.7	96.7	101.5	101.5	98.7
95°	146.1	132.5	118.0	119.0	110.3	95.7	87.1	86.1	88.1	86.1	85.1
97.5°	105.4	100.6	97.7	101.5	95.7	83.1	76.4	74.6	75.4	72.5	71.6
100°	80.3	79.3	81.3	85.1	81.3	71.6	65.8	64.8	63.8	59.0	59.0
102.5°	62.0	62.0	66.7	72.5	68.7	60.9	57.1	55.1	52.2	47.4	46.4
105°	47.4	48.4	55.1	60.0	58.0	51.3	48.4	45.5	41.6	36.7	36.7
107.5°	35.8	37.7	44.5	49.2	47.4	42.5	39.7	36.7	32.9	28.1	29.1



REPORT NUMBER: P255227

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.1	29.1	35.8	39.7	38.7	35.8	32.9	29.9	25.1	21.3	22.3
112.5°	20.3	22.3	28.1	31.9	31.9	29.1	26.1	23.2	18.3	16.4	16.4
115°	15.6	17.4	22.3	25.1	25.1	22.3	20.3	17.4	13.5	12.6	12.6
117.5°	11.6	13.5	17.4	20.3	19.3	17.4	15.6	13.5	10.6	9.8	9.8
120°	9.8	10.6	13.5	15.6	14.5	13.5	11.6	9.8	7.7	7.7	7.7
122.5°	7.7	8.7	10.6	11.6	10.6	9.8	8.7	6.8	5.8	5.8	5.8
125°	6.8	7.7	8.7	8.7	7.7	6.8	5.8	4.8	3.9	4.8	4.8
127.5°	6.8	6.8	7.7	6.8	5.8	4.8	3.9	2.9	2.9	3.9	3.9
130°	5.8	6.8	6.8	5.8	4.8	2.9	2.9	1.9	1.9	2.9	2.9
132.5°	5.8	5.8	5.8	4.8	3.9	1.9	1.0	1.0	1.9	1.9	1.9
135°	4.8	5.8	4.8	3.9	2.9	1.9	0.0	1.0	1.0	1.0	1.0
137.5°	4.8	4.8	4.8	3.9	1.9	1.0	0.0	0.0	1.0	0.0	0.0
140°	3.9	3.9	3.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.9	3.9	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	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)