

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: P255236

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255236
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 8209.2 lumens
Efficiency: N/A
Efficacy: 85.5 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

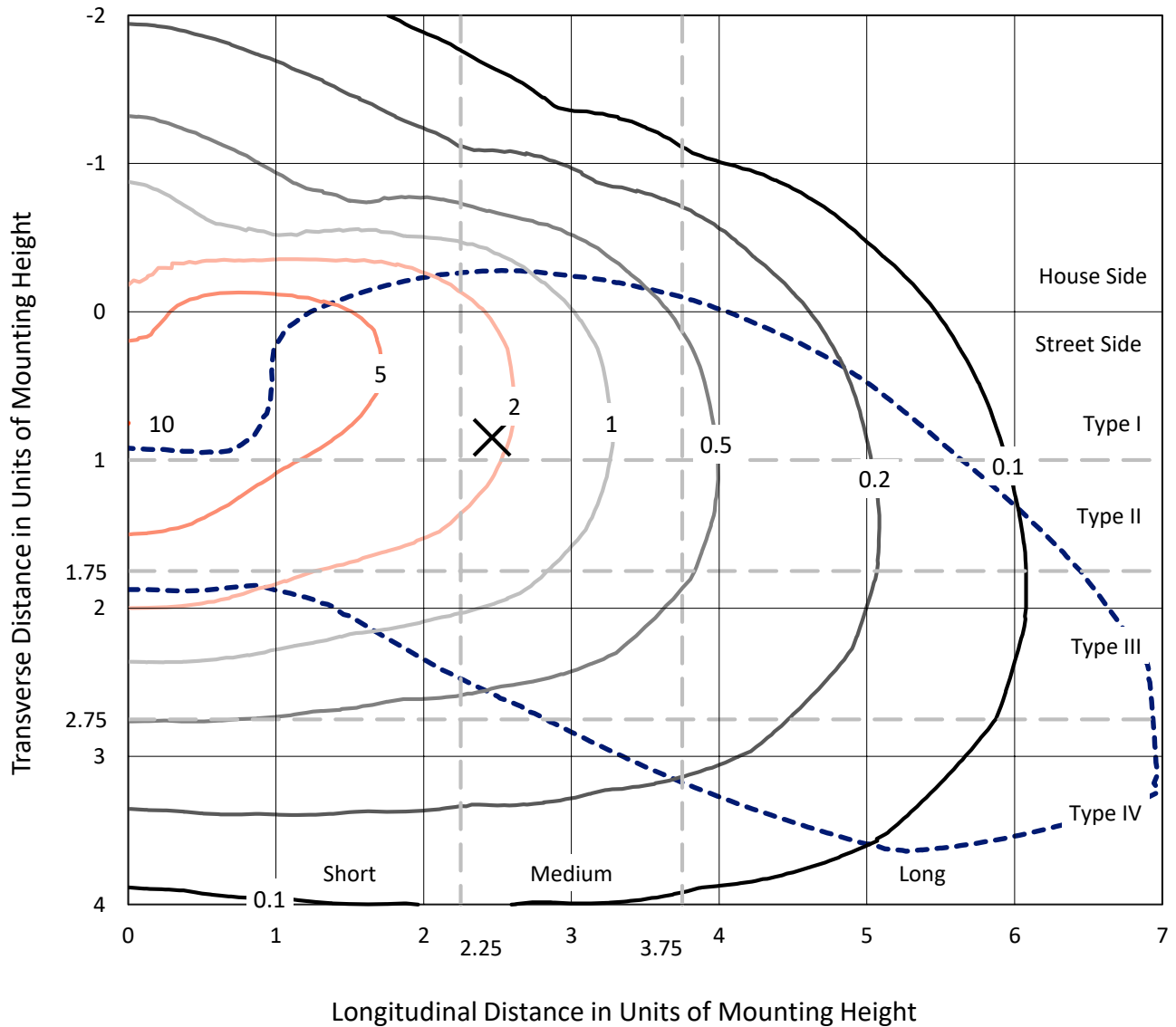
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

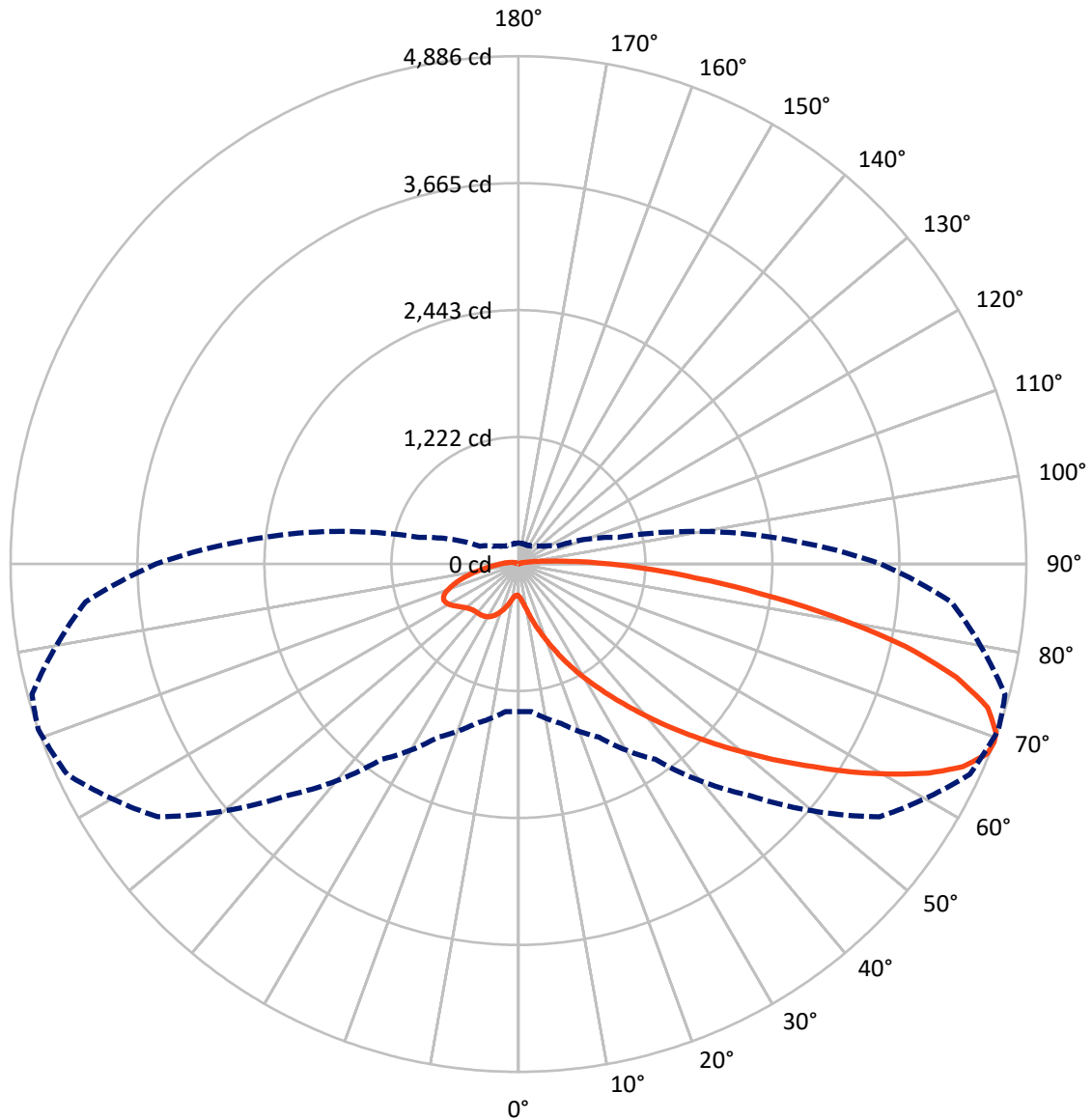


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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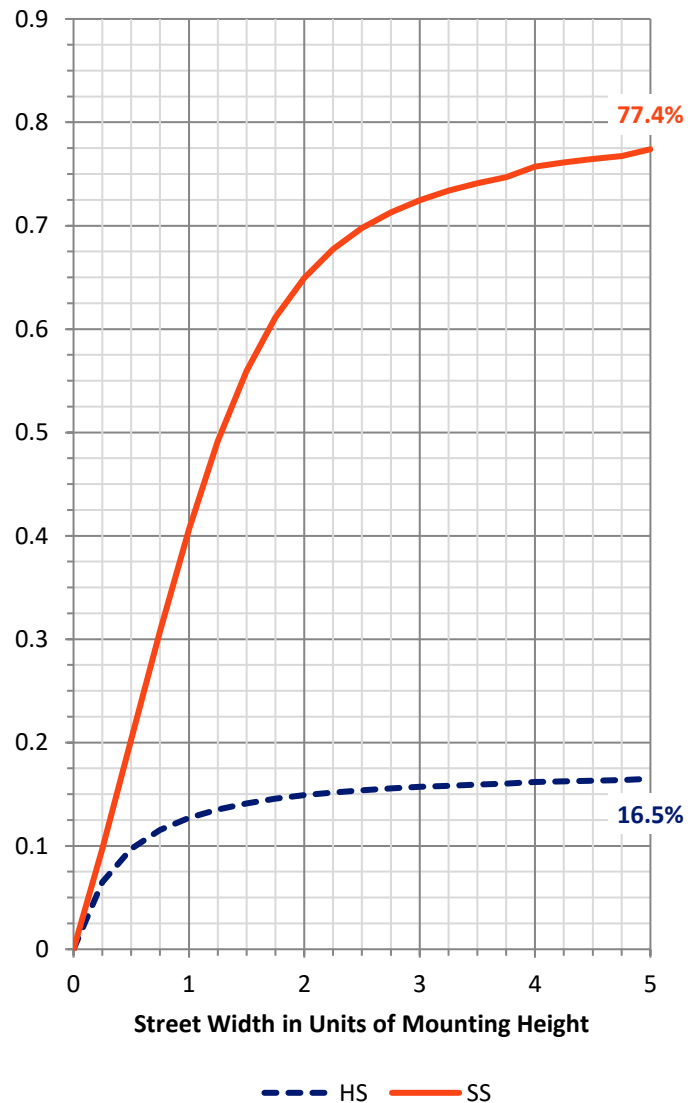
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1410.3	104.8	1515.2
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	6531.8	162.2	6694.0
	% Fixture	79.6	2.0	81.5
Total	Lumens	7942.2	267.0	8209.2
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	0.4
10°-20°	133.7	1.6
20°-30°	322.9	3.9
30°-40°	628.6	7.7
40°-50°	1075.9	13.1
50°-60°	1605.5	19.6
60°-70°	1930.6	23.5
70°-80°	1544.9	18.8
80°-90°	667.8	8.1
90°-100°	179.4	2.2
100°-110°	55.1	0.7
110°-120°	21.0	0.3
120°-130°	7.7	0.1
130°-140°	2.9	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°	7942.2	96.7
0°-180°	8209.2	100.0

Coefficient of Utilization



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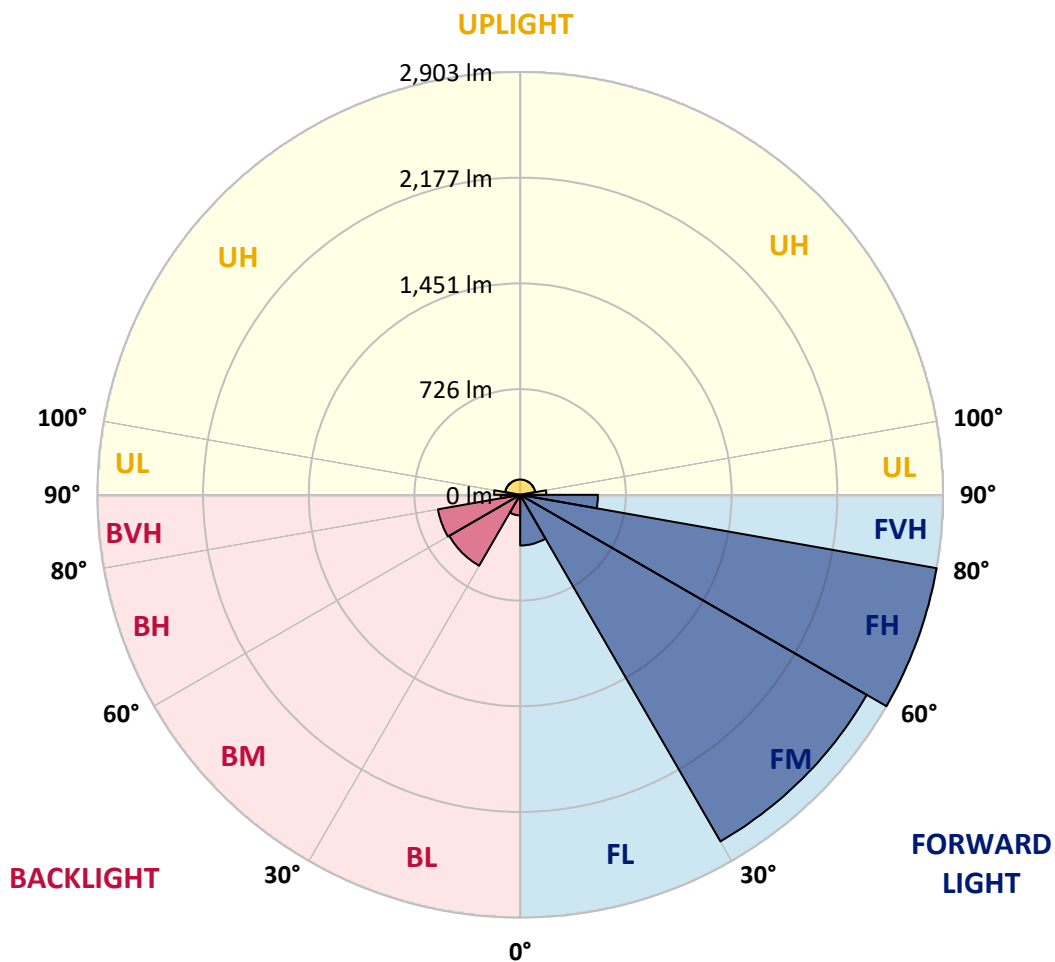
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.7	4.2			
FM	(30°-60°)	2747.5	33.5			
FH	(60°-80°)	2902.8	35.4			G2/5000
FVH	(80°-90°)	533.9	6.5			G4/750
BL	(0°-30°)	141.1	1.7	B1/500		
BM	(30°-60°)	562.5	6.9	B1/1000		
BH	(60°-80°)	572.7	7.0	B2/1000		G2/1000
BVH	(80°-90°)	134.0	1.6			G2/225
UL	(90°-100°)	179.4	2.2		U3/500	
UH	(100°-180°)	104.8	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°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	348.8	348.8	347.8	348.8	343.7	341.7	335.5	329.4	325.3	324.3	315.1
5°	389.7	389.7	388.7	388.7	382.6	378.5	370.3	360.1	355.0	350.9	335.5
7.5°	436.8	435.8	434.8	435.8	430.7	421.5	414.3	401.0	395.9	387.7	368.3
10°	494.1	492.0	493.1	490.0	481.8	477.7	470.6	456.2	450.1	444.0	421.5
12.5°	563.6	563.6	561.6	555.5	547.3	545.2	542.2	534.0	525.8	517.6	485.9
15°	641.4	639.3	636.3	628.1	620.9	616.8	620.9	615.8	609.7	599.4	562.6
17.5°	730.4	726.3	721.2	711.0	699.7	701.7	705.8	701.7	693.6	690.5	646.5
20°	828.6	827.6	817.3	799.9	789.7	783.6	794.8	799.9	792.8	789.7	739.6
22.5°	945.2	938.0	924.7	903.3	884.9	874.6	886.9	905.3	903.3	899.2	846.0
25°	1081.3	1070.0	1056.7	1018.9	988.2	970.8	988.2	1013.7	1024.0	1019.9	957.5
27.5°	1233.7	1218.3	1196.9	1152.9	1102.7	1068.0	1092.5	1126.3	1151.8	1153.9	1078.2
30°	1399.3	1386.1	1357.5	1293.0	1222.4	1179.5	1198.9	1250.0	1285.8	1287.9	1205.0
32.5°	1588.5	1574.2	1516.9	1448.4	1357.5	1298.1	1317.6	1384.1	1426.9	1441.2	1343.1
35°	1792.1	1776.8	1728.7	1621.3	1503.6	1426.9	1448.4	1531.3	1583.4	1604.9	1490.3
37.5°	2009.0	1983.4	1928.2	1808.5	1675.5	1577.3	1587.5	1684.7	1756.3	1783.9	1655.0
40°	2220.7	2210.5	2135.8	1995.7	1835.1	1728.7	1737.9	1851.4	1941.5	1973.2	1831.0
42.5°	2437.6	2414.1	2343.5	2180.8	2003.9	1888.3	1910.8	2038.6	2149.1	2183.9	2015.1
45°	2644.2	2623.8	2533.7	2360.9	2176.7	2061.1	2092.9	2251.4	2366.0	2412.0	2224.8
47.5°	2831.4	2804.8	2713.8	2526.6	2346.5	2243.2	2284.1	2472.4	2606.4	2659.6	2460.1
50°	2966.5	2945.0	2851.9	2668.8	2502.0	2434.5	2510.2	2712.8	2864.2	2935.8	2715.8
52.5°	3025.8	3015.6	2926.6	2761.9	2637.1	2624.8	2763.9	2971.6	3143.4	3221.2	2989.0
55°	3004.3	2989.0	2938.8	2806.9	2740.4	2809.9	3029.9	3267.2	3443.2	3527.0	3282.5
57.5°	2882.6	2872.3	2868.3	2785.4	2800.7	2986.9	3292.8	3598.6	3771.5	3839.0	3576.1
60°	2675.9	2669.8	2711.7	2707.6	2816.1	3131.2	3570.0	3949.5	4103.0	4180.6	3863.6
62.5°	2368.0	2382.4	2478.5	2561.4	2766.0	3227.3	3823.7	4269.6	4430.2	4486.5	4086.6
65°	2008.0	2033.5	2162.4	2331.2	2650.4	3267.2	4052.8	4547.8	4701.3	4721.7	4228.7
67.5°	1608.0	1648.9	1802.3	2036.6	2451.9	3230.4	4197.0	4735.0	4868.0	4842.4	4240.9
69°	1419.8	1424.9	1587.5	1839.2	2294.4	3151.6	4240.9	4790.3	4886.4	4846.5	4180.6
70°	1281.8	1289.9	1450.4	1710.3	2177.8	3074.9	4239.9	4803.6	4876.2	4813.8	4122.4
72.5°	949.3	980.0	1139.6	1407.5	1878.0	2809.9	4103.0	4729.9	4722.8	4610.2	3810.4
75°	689.5	715.0	868.5	1133.4	1581.4	2461.1	3766.4	4425.1	4354.5	4210.3	3333.7
77.5°	492.0	499.2	635.3	891.0	1305.3	2060.1	3251.9	3881.0	3807.3	3591.5	2730.2
80°	332.5	338.6	450.1	674.1	1050.6	1692.9	2677.0	3181.3	3083.1	2848.8	2072.4
82.5°	214.8	226.1	314.0	495.1	822.5	1365.6	2114.3	2464.2	2351.7	2142.0	1524.1
85°	150.4	153.4	217.9	358.0	617.9	1056.7	1605.9	1834.0	1717.4	1544.6	1063.9
87.5°	100.2	103.3	153.4	259.8	450.1	773.4	1167.2	1301.2	1200.9	1061.8	708.9
90°	63.4	68.5	106.4	185.2	324.3	540.1	807.1	871.6	799.9	686.4	439.9
92.5°	45.0	47.1	74.7	133.0	230.2	370.3	526.8	552.4	491.0	416.3	266.0
95°	30.7	32.7	54.2	95.1	165.7	249.6	335.5	336.6	287.4	245.5	168.8
97.5°	22.5	24.6	40.9	70.6	118.7	170.8	213.8	202.5	172.9	150.4	117.6
100°	18.4	19.4	32.7	54.2	85.9	120.7	140.1	126.8	111.5	100.2	85.9
102.5°	15.3	16.4	27.6	44.0	64.4	85.9	95.1	84.9	75.7	69.6	64.4
105°	13.3	14.3	23.5	36.8	52.2	63.4	67.5	60.4	55.2	51.1	48.1
107.5°	12.3	13.3	20.5	31.7	43.0	51.1	53.2	46.0	40.9	36.8	34.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	11.3	12.3	18.4	27.6	36.8	43.0	41.9	35.8	29.7	25.6	25.6
112.5°	10.2	11.3	16.4	24.6	31.7	35.8	34.8	26.6	21.5	18.4	18.4
115°	9.2	10.2	14.3	21.5	27.6	29.7	27.6	20.5	15.3	12.3	14.3
117.5°	8.2	9.2	12.3	18.4	23.5	24.6	21.5	15.3	11.3	9.2	10.2
120°	8.2	8.2	11.3	15.3	19.4	20.5	17.4	11.3	8.2	7.2	8.2
122.5°	7.2	8.2	10.2	13.3	16.4	16.4	13.3	8.2	6.1	6.1	7.2
125°	7.2	7.2	8.2	11.3	13.3	13.3	10.2	6.1	5.1	6.1	7.2
127.5°	6.1	7.2	8.2	10.2	11.3	11.3	8.2	5.1	5.1	5.1	6.1
130°	6.1	6.1	7.2	8.2	9.2	8.2	6.1	4.1	4.1	5.1	6.1
132.5°	6.1	6.1	6.1	7.2	8.2	6.1	4.1	4.1	4.1	4.1	6.1
135°	5.1	5.1	5.1	6.1	6.1	4.1	3.1	3.1	4.1	4.1	5.1
137.5°	4.1	4.1	4.1	4.1	4.1	3.1	2.0	3.1	3.1	4.1	5.1
140°	3.1	3.1	3.1	3.1	3.1	1.0	2.0	2.0	3.1	3.1	4.1
142.5°	2.0	2.0	2.0	3.1	2.0	1.0	1.0	2.0	3.1	3.1	4.1
145°	1.0	1.0	2.0	2.0	1.0	0.0	1.0	2.0	2.0	3.1	3.1
147.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
150°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
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°	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9	307.9
2.5°	312.0	308.9	301.8	294.6	287.4	282.3	278.2	277.2	274.2	271.1	272.1
5°	328.4	321.2	308.9	293.6	279.3	267.0	257.8	249.6	244.5	238.3	239.4
7.5°	358.0	346.8	325.3	299.7	276.2	256.8	238.3	228.1	219.9	215.8	214.8
10°	403.0	387.7	351.9	315.1	279.3	250.6	228.1	214.8	206.6	201.5	201.5
12.5°	466.5	444.0	392.8	339.6	290.5	251.6	225.0	211.8	203.6	200.5	200.5
15°	536.0	506.4	437.8	365.2	301.8	254.7	226.1	211.8	204.6	201.5	200.5
17.5°	613.8	573.9	481.8	386.7	311.0	260.9	227.1	211.8	204.6	202.5	201.5
20°	697.7	647.5	526.8	407.1	318.1	261.9	226.1	210.7	205.6	204.6	204.6
22.5°	791.8	726.3	569.8	424.5	322.2	258.8	223.0	209.7	206.6	207.7	207.7
25°	890.0	808.1	610.7	434.8	318.1	251.6	219.9	209.7	208.7	211.8	211.8
27.5°	994.3	890.0	646.5	441.9	310.0	241.4	214.8	209.7	210.7	214.8	214.8
30°	1103.8	973.8	677.2	440.9	299.7	233.2	211.8	208.7	212.8	218.9	218.9
32.5°	1219.4	1060.8	702.8	434.8	287.4	227.1	208.7	209.7	215.8	223.0	224.0
35°	1338.0	1142.6	723.2	422.5	276.2	222.0	208.7	211.8	218.9	227.1	228.1
37.5°	1469.9	1234.7	741.6	411.2	268.0	219.9	209.7	212.8	221.0	230.2	232.2
40°	1612.1	1335.0	754.9	396.9	261.9	221.0	211.8	214.8	222.0	232.2	234.3
42.5°	1763.5	1437.1	769.3	385.7	256.8	222.0	214.8	215.8	223.0	234.3	236.3
45°	1935.3	1551.7	785.6	375.4	255.7	226.1	216.9	215.8	222.0	236.3	237.3
47.5°	2131.7	1694.9	810.2	368.3	255.7	229.1	218.9	215.8	221.0	236.3	238.3
50°	2346.5	1845.3	839.8	366.2	258.8	233.2	221.0	215.8	219.9	232.2	234.3
52.5°	2574.7	2015.1	879.7	367.2	262.9	236.3	223.0	214.8	216.9	226.1	227.1
55°	2828.4	2196.2	924.7	373.4	269.0	240.4	224.0	212.8	212.8	218.9	218.9
57.5°	3076.9	2384.4	973.8	380.5	277.2	244.5	224.0	210.7	209.7	213.8	213.8
60°	3307.1	2541.9	1021.9	389.7	284.4	246.5	223.0	208.7	206.6	209.7	210.7
62.5°	3499.4	2669.8	1051.6	400.0	290.5	247.6	221.0	206.6	204.6	207.7	207.7
65°	3583.3	2731.2	1057.7	407.1	296.7	246.5	217.9	203.6	202.5	204.6	205.6
67.5°	3569.0	2696.4	1028.1	408.2	298.7	245.5	214.8	200.5	200.5	202.5	202.5
69°	3487.1	2621.7	990.2	406.1	298.7	242.4	211.8	198.5	199.5	201.5	201.5
70°	3409.4	2541.9	953.4	401.0	297.7	240.4	208.7	196.4	198.5	200.5	200.5
72.5°	3110.7	2281.1	856.2	384.6	289.5	233.2	202.5	190.3	194.4	198.5	197.4
75°	2678.0	1934.3	741.6	359.1	276.2	223.0	194.4	183.1	189.2	194.4	193.3
77.5°	2155.3	1546.6	622.0	329.4	259.8	209.7	184.1	174.9	182.1	188.2	187.2
80°	1639.7	1187.6	505.3	296.7	238.3	195.4	172.9	164.7	173.9	179.0	178.0
82.5°	1198.9	868.5	396.9	263.9	217.9	180.0	159.6	153.4	162.6	167.8	165.7
85°	831.7	606.6	306.9	228.1	195.4	162.6	145.3	141.2	149.4	153.4	151.4
87.5°	549.3	409.2	237.3	197.4	173.9	146.3	132.0	127.9	136.1	138.1	137.1
90°	348.8	274.2	188.2	169.8	153.4	129.9	117.6	115.6	121.7	122.8	119.7
92.5°	223.0	188.2	152.4	146.3	134.0	115.6	105.4	102.3	107.4	107.4	104.3
95°	154.5	140.1	124.8	125.8	116.6	101.3	92.1	91.0	93.1	91.0	90.0
97.5°	111.5	106.4	103.3	107.4	101.3	88.0	80.8	78.8	79.8	76.7	75.7
100°	84.9	83.9	85.9	90.0	85.9	75.7	69.6	68.5	67.5	62.4	62.4
102.5°	65.5	65.5	70.6	76.7	72.6	64.4	60.4	58.3	55.2	50.1	49.1
105°	50.1	51.1	58.3	63.4	61.4	54.2	51.1	48.1	44.0	38.9	38.9
107.5°	37.8	39.9	47.1	52.2	50.1	45.0	41.9	38.9	34.8	29.7	30.7



REPORT NUMBER: P255236

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.6	30.7	37.8	41.9	40.9	37.8	34.8	31.7	26.6	22.5	23.5
112.5°	21.5	23.5	29.7	33.8	33.8	30.7	27.6	24.6	19.4	17.4	17.4
115°	16.4	18.4	23.5	26.6	26.6	23.5	21.5	18.4	14.3	13.3	13.3
117.5°	12.3	14.3	18.4	21.5	20.5	18.4	16.4	14.3	11.3	10.2	10.2
120°	10.2	11.3	14.3	16.4	15.3	14.3	12.3	10.2	8.2	8.2	8.2
122.5°	8.2	9.2	11.3	12.3	11.3	10.2	9.2	7.2	6.1	6.1	6.1
125°	7.2	8.2	9.2	9.2	8.2	7.2	6.1	5.1	4.1	5.1	5.1
127.5°	7.2	7.2	8.2	7.2	6.1	5.1	4.1	3.1	3.1	4.1	4.1
130°	6.1	7.2	7.2	6.1	5.1	3.1	3.1	2.0	2.0	3.1	3.1
132.5°	6.1	6.1	6.1	5.1	4.1	2.0	1.0	1.0	2.0	2.0	2.0
135°	5.1	6.1	5.1	4.1	3.1	2.0	0.0	1.0	1.0	1.0	1.0
137.5°	5.1	5.1	5.1	4.1	2.0	1.0	0.0	0.0	1.0	0.0	0.0
140°	4.1	4.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	4.1	4.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	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)