

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: P254421

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5286.6 lumens
Efficiency: N/A
Efficacy: 97.9 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: B1 - U3 - G3

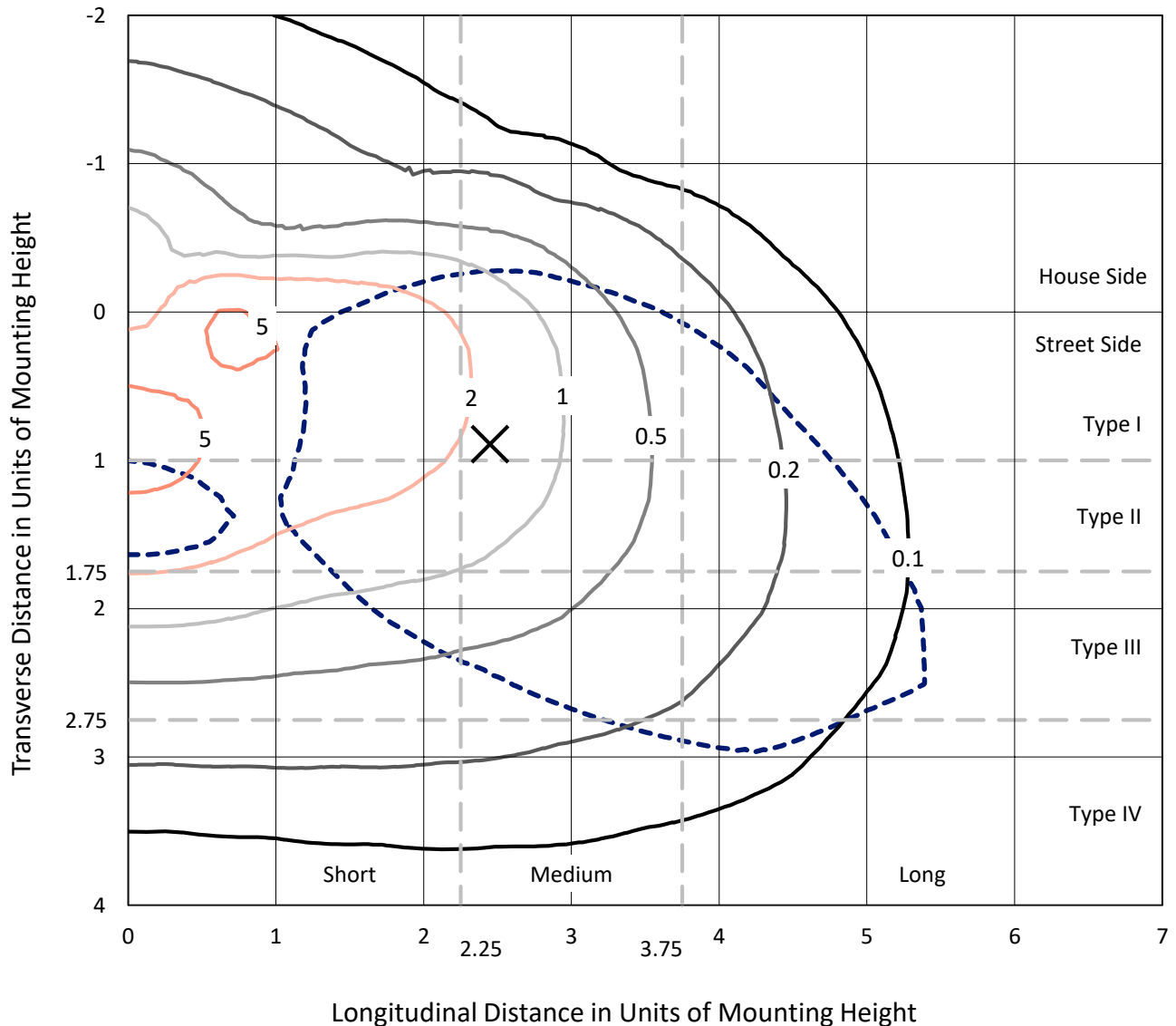
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P254421
 CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

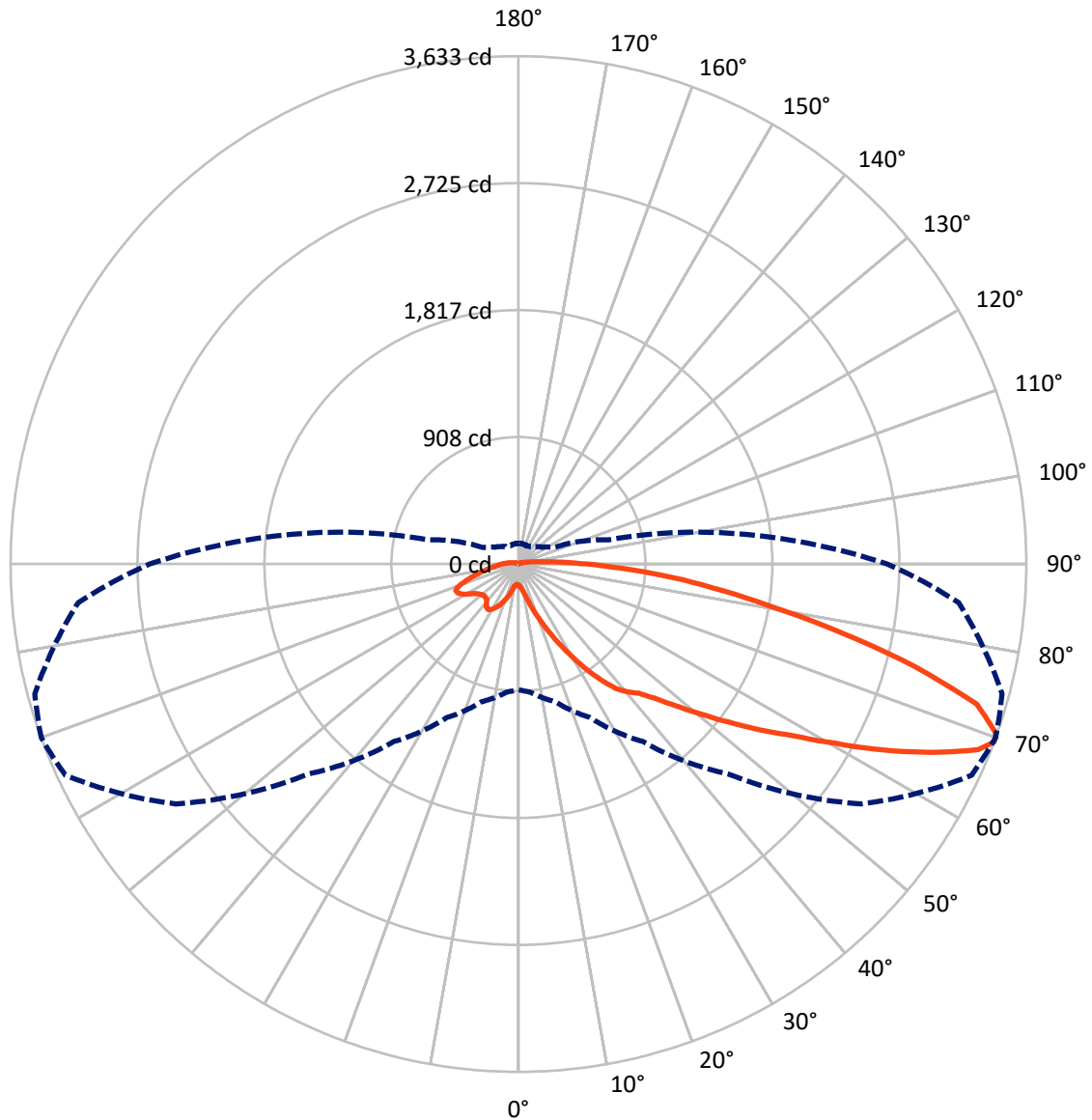


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

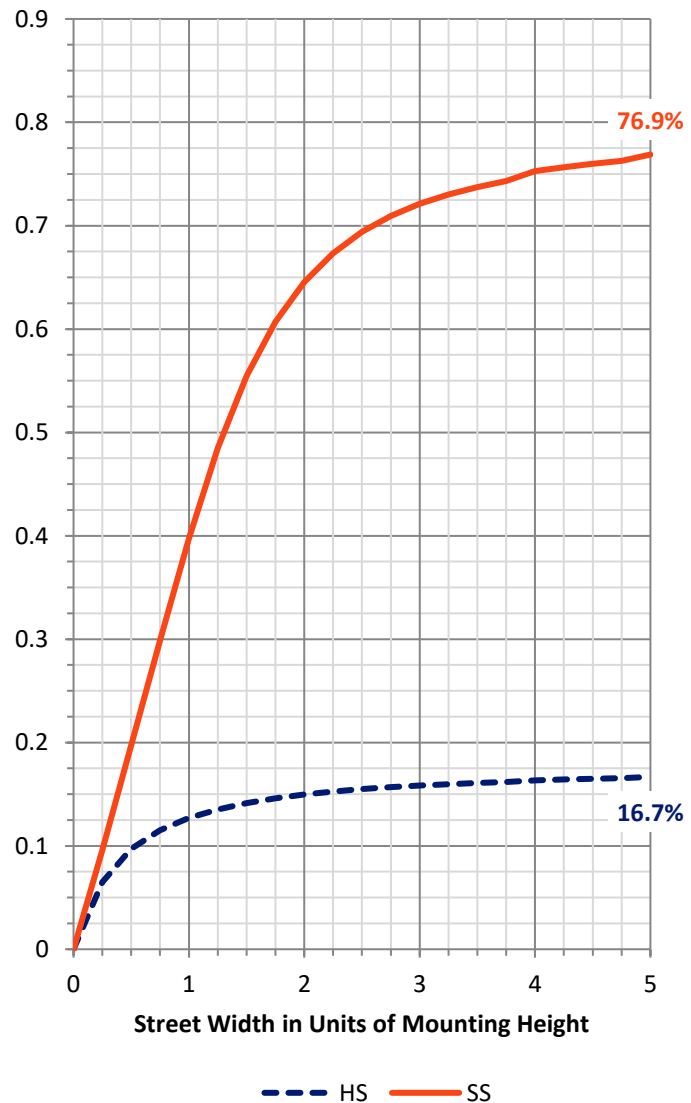
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	919.5	72.6	992.1
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	4174.8	119.6	4294.4
	% Fixture	79.0	2.3	81.2
Total	Lumens	5094.4	192.2	5286.6
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.3
10°-20°	67.9	1.3
20°-30°	188.8	3.6
30°-40°	399.0	7.5
40°-50°	669.4	12.7
50°-60°	1009.2	19.1
60°-70°	1313.1	24.8
70°-80°	1026.8	19.4
80°-90°	404.5	7.7
90°-100°	120.0	2.3
100°-110°	39.3	0.7
110°-120°	16.9	0.3
120°-130°	9.1	0.2
130°-140°	4.9	0.1
140°-150°	1.7	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5094.4	96.4
0°-180°	5286.6	100.0

Coefficient of Utilization



REPORT NUMBER: P254421

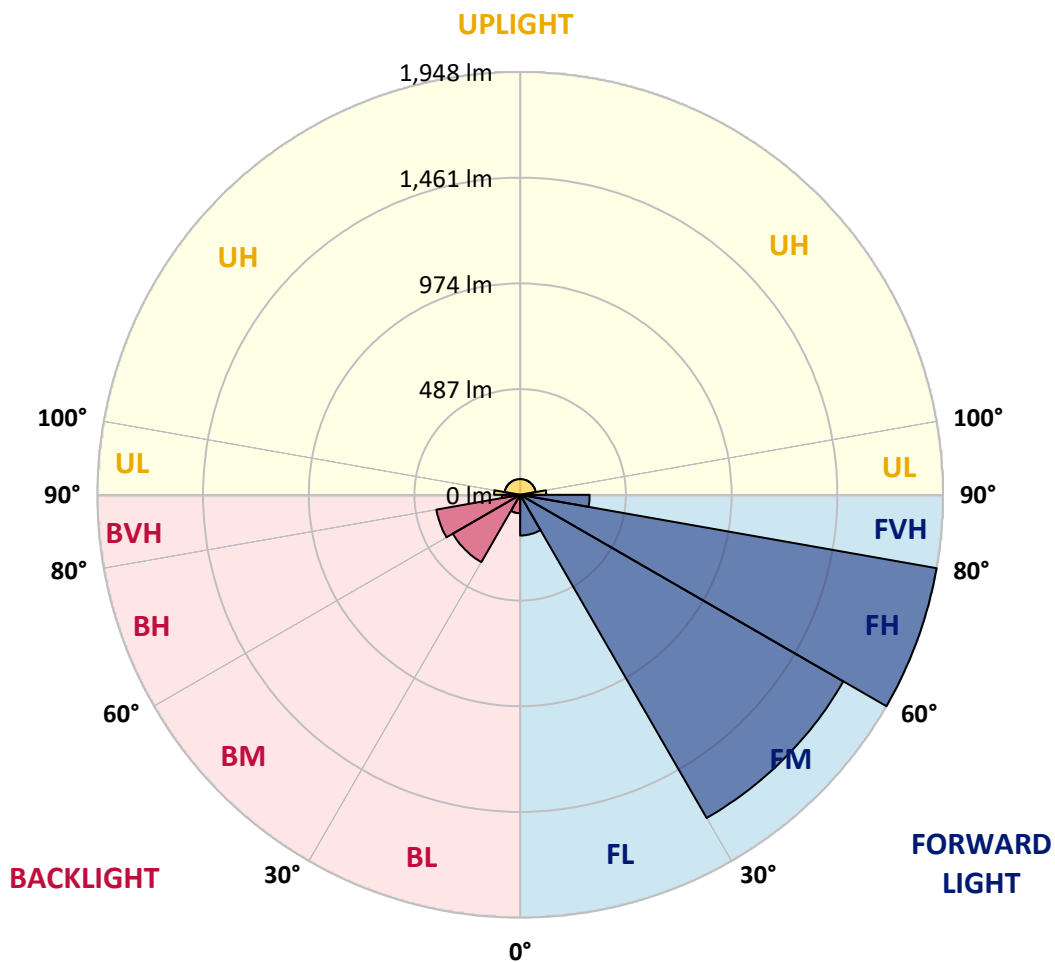
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.4	3.5			
FM (30°-60°)	1719.3	32.5			
FH (60°-80°)	1948.1	36.8			G2/5000
FVH (80°-90°)	320.0	6.1			G3/500
BL (0°-30°)	85.0	1.6	B0/110		
BM (30°-60°)	358.2	6.8	B1/1000		
BH (60°-80°)	391.9	7.4	B1/500		G1/500
BVH (80°-90°)	84.5	1.6			G1/100
UL (90°-100°)	120.0	2.3		U3/500	
UH (100°-180°)	72.6	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8
2.5°	168.7	168.7	169.4	168.7	168.1	165.4	162.8	159.5	158.1	156.8	153.4
5°	187.9	187.9	187.2	185.9	184.5	179.9	175.9	170.7	168.1	165.4	159.5
7.5°	211.0	210.4	209.7	207.0	204.4	198.5	192.5	185.9	181.9	178.6	170.7
10°	238.9	238.1	237.5	232.8	228.9	222.3	216.4	207.8	204.4	199.8	188.5
12.5°	274.6	276.5	272.5	265.3	260.0	250.7	246.7	240.8	236.8	234.9	222.9
15°	319.6	320.9	315.6	303.6	296.3	287.1	288.5	289.1	287.1	287.1	272.5
17.5°	373.8	371.1	367.1	350.0	338.7	334.7	340.7	346.7	348.0	350.0	334.7
20°	441.9	443.2	431.4	406.2	388.3	389.6	396.9	408.2	413.5	418.1	402.2
22.5°	535.2	524.6	510.8	475.0	450.5	445.2	456.4	478.3	486.9	498.8	483.5
25°	635.0	624.5	600.1	559.0	522.0	506.1	524.6	562.3	576.8	596.7	583.5
27.5°	741.6	733.0	695.9	652.3	602.0	574.2	598.7	649.7	672.8	698.0	683.4
30°	856.0	846.1	802.5	750.8	687.3	652.3	671.5	744.9	783.3	817.6	811.1
32.5°	992.4	979.1	925.5	860.0	776.6	735.0	755.4	855.4	903.7	948.0	938.8
35°	1144.5	1137.8	1066.4	983.1	880.6	821.6	850.1	958.6	1019.5	1066.4	1053.8
37.5°	1319.1	1311.2	1229.8	1119.3	989.0	914.9	936.1	1057.8	1128.6	1178.2	1150.4
40°	1481.8	1474.0	1393.3	1263.5	1102.1	1012.8	1030.7	1139.2	1203.4	1243.7	1192.8
42.5°	1655.9	1640.6	1550.7	1401.1	1222.5	1116.7	1112.8	1201.4	1262.9	1315.2	1262.2
45°	1809.3	1805.4	1708.8	1537.5	1343.6	1218.5	1192.8	1291.4	1372.1	1442.2	1387.9
47.5°	1906.0	1900.6	1829.9	1659.1	1449.4	1317.8	1299.2	1419.7	1514.3	1590.4	1527.6
50°	1957.5	1955.6	1905.2	1751.8	1555.3	1427.0	1440.2	1576.5	1683.0	1778.3	1710.8
52.5°	1980.0	1980.0	1940.9	1818.0	1649.2	1552.0	1601.6	1757.7	1877.5	1980.0	1890.0
55°	1977.4	1978.1	1937.7	1833.8	1724.0	1683.0	1785.6	1972.0	2093.2	2203.6	2098.5
57.5°	1894.0	1899.3	1890.7	1823.2	1764.4	1815.9	1997.2	2202.3	2316.1	2420.6	2302.9
60°	1693.6	1707.5	1737.9	1751.1	1773.6	1942.3	2217.6	2462.3	2603.2	2730.9	2634.3
62.5°	1499.7	1511.6	1554.0	1611.6	1748.5	2038.2	2462.3	2818.8	2931.4	3053.7	2874.5
65°	1264.3	1282.8	1365.4	1474.6	1687.7	2105.7	2732.2	3152.9	3249.5	3308.4	3086.1
67.5°	1027.3	1044.6	1143.9	1317.8	1608.3	2144.7	2931.4	3450.6	3546.0	3551.9	3221.8
69°	899.1	918.2	1020.1	1212.0	1549.4	2123.5	2992.2	3576.3	3633.2	3581.7	3160.9
70°	830.2	830.2	943.4	1139.2	1497.7	2084.6	3002.2	3585.6	3622.7	3546.6	3096.7
72.5°	602.0	608.7	727.0	955.2	1333.0	1927.1	2836.0	3407.7	3428.8	3224.4	2668.1
75°	412.8	419.4	524.0	742.3	1120.0	1677.0	2502.0	2947.2	2928.7	2703.8	2157.3
77.5°	285.8	290.4	369.8	541.1	885.8	1387.9	2085.2	2409.4	2363.7	2153.3	1614.2
80°	200.5	205.1	266.0	402.2	672.2	1092.2	1653.2	1887.4	1821.3	1634.1	1185.5
82.5°	140.9	144.8	195.2	304.3	509.4	850.1	1304.0	1467.9	1402.5	1236.4	847.4
85°	100.6	103.2	141.6	231.5	390.4	633.7	989.7	1100.2	1033.4	879.8	562.9
87.5°	72.7	75.4	104.5	174.6	302.3	492.9	731.7	778.7	685.4	557.0	355.9
90°	54.9	56.9	78.8	130.9	235.5	361.8	524.0	507.4	439.3	351.3	237.5
92.5°	41.0	42.4	60.3	99.2	180.7	281.2	363.9	330.8	273.8	222.3	162.0
95°	30.4	31.7	45.6	74.8	133.6	201.7	237.5	204.4	170.7	140.9	110.5
97.5°	23.1	24.4	35.7	56.9	96.6	142.2	153.4	130.3	113.1	96.6	78.8
100°	18.5	19.2	27.8	43.7	69.5	97.3	105.9	90.6	79.4	70.8	59.5
102.5°	14.5	15.9	22.5	34.4	52.9	72.1	76.7	66.2	58.9	52.9	47.0
105°	12.6	13.2	18.5	27.8	41.6	54.2	58.2	49.6	43.7	39.7	36.4
107.5°	11.3	11.3	15.9	23.1	33.8	43.0	45.0	37.0	32.4	29.8	27.8



REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	9.9	9.9	13.9	19.8	28.4	35.7	35.1	27.8	24.4	21.8	21.8
112.5°	9.3	9.3	11.9	17.9	24.4	29.8	27.8	21.8	19.2	16.6	17.9
115°	8.6	8.6	11.3	15.9	21.8	25.2	23.1	17.2	14.5	13.2	14.5
117.5°	8.6	8.6	10.5	14.5	19.8	21.8	19.8	14.5	11.9	11.3	12.6
120°	8.6	8.6	10.5	13.9	17.9	19.2	16.6	11.9	10.5	9.3	11.3
122.5°	8.6	8.6	9.9	13.2	16.6	17.2	14.5	10.5	8.6	8.6	9.9
125°	9.3	9.3	10.5	13.2	15.2	15.2	12.6	9.3	8.0	8.0	9.9
127.5°	9.9	9.9	10.5	12.6	13.9	13.2	11.3	8.6	8.0	8.0	9.3
130°	10.5	10.5	11.3	11.9	12.6	11.3	9.3	8.0	7.3	8.0	9.3
132.5°	10.5	10.5	10.5	11.3	11.3	9.9	8.0	6.6	6.6	7.3	8.6
135°	9.9	9.9	9.9	9.9	9.9	8.0	6.6	5.9	5.9	6.6	8.0
137.5°	8.6	8.6	8.0	8.0	8.0	6.6	5.3	4.6	4.6	5.3	6.6
140°	6.6	6.6	6.6	6.6	6.6	5.3	4.0	3.3	4.0	4.6	5.3
142.5°	5.3	5.3	5.3	5.3	5.3	4.0	2.7	3.3	4.0	4.0	4.6
145°	4.6	4.0	4.0	4.0	4.0	2.7	1.9	2.7	3.3	4.0	4.0
147.5°	3.3	3.3	3.3	3.3	2.7	1.3	1.3	2.7	2.7	3.3	4.0
150°	1.9	1.9	1.9	1.9	1.3	0.6	1.3	1.9	2.7	2.7	3.3
152.5°	0.6	0.6	1.3	1.3	0.6	0.0	0.6	1.3	1.9	1.9	2.7
155°	0.0	0.0	0.6	1.3	0.0	0.0	0.6	1.3	1.3	1.9	1.9
157.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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



REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8	150.8
2.5°	151.5	150.2	147.5	145.6	142.9	140.9	140.9	138.9	138.9	138.3	137.6
5°	156.8	154.8	148.2	143.5	138.9	134.9	132.3	130.3	128.4	127.1	126.3
7.5°	166.7	162.0	152.8	144.8	137.0	130.9	125.7	122.3	119.8	119.1	117.7
10°	183.2	178.0	163.4	150.2	138.3	128.4	121.7	117.1	114.5	113.8	113.1
12.5°	215.6	207.8	186.6	164.7	142.2	127.1	118.5	117.7	118.5	119.8	120.4
15°	262.6	254.0	221.6	187.2	152.8	129.0	124.4	125.7	127.7	129.7	129.7
17.5°	320.2	305.7	262.0	212.4	166.0	140.9	130.3	131.7	135.6	138.9	138.9
20°	384.3	361.2	299.7	230.9	178.6	148.8	136.3	137.0	142.9	146.9	147.5
22.5°	462.4	427.4	339.4	246.1	185.9	152.1	140.2	140.9	150.2	156.8	157.4
25°	550.4	504.7	385.0	262.6	188.5	150.8	142.2	146.9	161.4	172.7	173.3
27.5°	638.4	575.5	420.1	273.8	186.6	146.9	143.5	153.4	171.3	181.9	183.2
30°	752.2	673.5	459.1	278.5	179.9	142.9	143.5	156.1	171.3	181.9	182.6
32.5°	865.3	758.1	490.9	281.8	172.7	139.6	141.6	152.8	167.4	179.3	179.9
35°	961.3	825.6	504.7	275.2	166.0	137.6	138.3	149.6	166.0	180.7	181.3
37.5°	1032.1	869.3	503.4	259.3	158.1	135.6	136.3	148.8	167.4	183.2	185.3
40°	1055.8	872.0	478.3	236.2	152.8	134.9	137.0	148.8	166.0	179.3	181.3
42.5°	1111.4	895.1	461.1	215.6	148.8	136.3	138.9	146.9	159.5	172.0	174.6
45°	1210.7	957.9	465.7	205.7	148.2	139.6	140.2	144.8	153.4	165.4	168.7
47.5°	1317.8	1022.1	467.7	200.5	151.5	142.9	142.2	142.9	147.5	157.4	160.8
50°	1466.0	1118.7	478.3	199.8	156.8	146.9	144.2	141.6	144.8	156.8	160.1
52.5°	1618.8	1221.2	495.5	203.8	164.7	152.1	146.9	142.2	144.8	155.5	160.1
55°	1789.4	1348.9	520.7	211.6	172.7	158.1	150.2	144.2	144.2	153.4	157.4
57.5°	1978.1	1480.5	553.7	222.3	181.3	164.7	152.8	144.8	143.5	149.6	152.8
60°	2271.2	1701.5	611.9	237.5	189.9	170.0	154.8	145.6	144.2	148.8	150.8
62.5°	2465.6	1855.0	662.3	252.7	197.8	174.6	155.5	145.6	145.6	148.2	149.6
65°	2650.2	1989.3	695.9	266.6	205.1	177.3	155.5	144.8	145.6	147.5	147.5
67.5°	2712.4	2023.0	698.0	276.5	209.7	177.3	154.2	144.2	146.2	148.2	147.5
69°	2637.6	1952.9	668.2	277.2	209.7	175.3	152.8	142.9	146.2	148.2	147.5
70°	2566.8	1892.7	643.0	274.6	207.8	173.3	150.8	142.2	145.6	147.5	146.9
72.5°	2167.9	1564.6	544.4	261.4	200.5	166.7	144.8	137.6	142.2	144.8	143.5
75°	1727.4	1233.2	443.9	238.1	187.9	156.1	137.0	130.3	135.6	138.3	136.3
77.5°	1287.4	913.0	355.3	215.0	174.0	146.9	128.4	121.0	125.0	126.3	124.4
80°	934.2	662.9	285.1	193.8	161.4	137.6	119.8	111.8	115.1	115.1	112.4
82.5°	660.2	471.1	230.3	172.7	148.2	129.7	112.4	103.8	108.5	107.8	105.2
85°	442.5	326.8	188.5	149.6	133.0	119.1	104.5	97.9	103.2	102.5	99.9
87.5°	293.1	233.5	158.1	129.7	116.4	105.9	95.2	90.6	96.0	94.6	91.2
90°	207.8	176.7	133.6	111.8	99.9	92.0	84.7	81.3	84.7	82.0	78.8
92.5°	149.6	132.3	109.9	93.9	83.4	78.1	73.4	70.8	72.7	68.8	66.2
95°	105.9	97.3	88.0	77.4	69.5	64.9	62.2	60.9	62.2	56.3	54.2
97.5°	77.4	73.4	69.5	64.1	57.6	54.9	52.9	51.6	51.6	45.6	44.3
100°	60.3	58.2	56.9	53.6	48.3	46.3	45.0	44.3	43.0	37.7	36.4
102.5°	48.3	47.7	47.7	44.3	40.3	39.1	37.7	37.0	35.7	31.1	29.8
105°	38.4	38.4	39.1	36.4	33.8	32.4	31.7	30.4	29.2	25.8	25.8
107.5°	30.4	30.4	31.7	29.8	28.4	27.1	26.5	25.2	23.8	21.8	21.8



REPORT NUMBER: P254421

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.8	24.4	26.5	25.2	23.8	23.1	22.5	20.5	19.2	18.5	18.5
112.5°	19.2	20.5	21.8	21.2	19.8	19.8	18.5	17.2	15.9	15.9	15.9
115°	16.6	17.2	18.5	17.9	17.2	16.6	15.9	13.9	13.2	13.2	13.9
117.5°	13.9	14.5	15.9	15.2	14.5	14.5	13.2	11.9	10.5	11.9	11.9
120°	11.9	12.6	13.2	13.2	12.6	12.6	11.3	9.9	8.6	9.9	9.9
122.5°	11.3	11.3	11.9	11.3	11.3	10.5	9.3	8.0	7.3	8.6	8.6
125°	10.5	10.5	10.5	9.9	9.9	9.3	8.0	6.6	5.9	7.3	7.3
127.5°	9.9	9.9	9.9	9.3	8.0	7.3	6.6	5.3	4.6	5.9	5.9
130°	9.9	9.9	8.6	8.0	7.3	5.9	5.3	4.0	4.0	5.3	5.3
132.5°	9.3	8.6	8.0	6.6	5.9	4.6	4.0	3.3	3.3	4.0	4.6
135°	8.0	8.0	6.6	5.3	4.6	3.3	3.3	1.9	2.7	3.3	3.3
137.5°	6.6	6.6	5.9	4.6	3.3	2.7	1.9	1.3	1.9	2.7	2.7
140°	5.9	5.3	4.6	4.0	2.7	1.3	1.3	0.6	1.3	1.3	1.9
142.5°	5.3	5.3	4.6	3.3	1.9	1.3	0.0	0.6	0.6	0.6	1.3
145°	4.6	4.6	4.0	2.7	1.9	0.6	0.0	0.6	0.6	0.6	0.0
147.5°	4.0	4.0	3.3	2.7	1.3	0.0	0.0	0.0	0.6	0.0	0.0
150°	3.3	3.3	2.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.6	0.6	0.6	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)