

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: P254574

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
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-T3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309.9 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

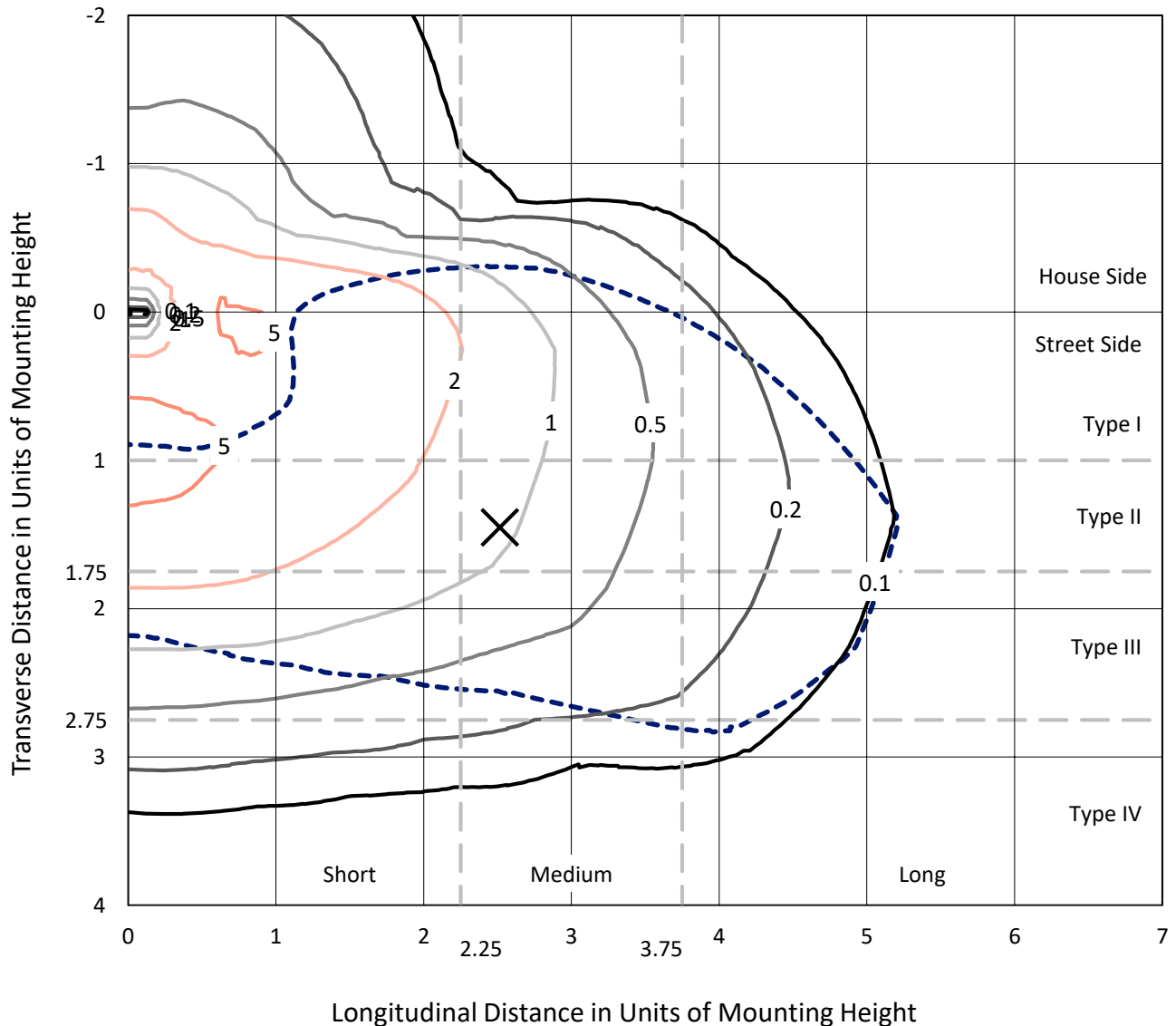
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P254574
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

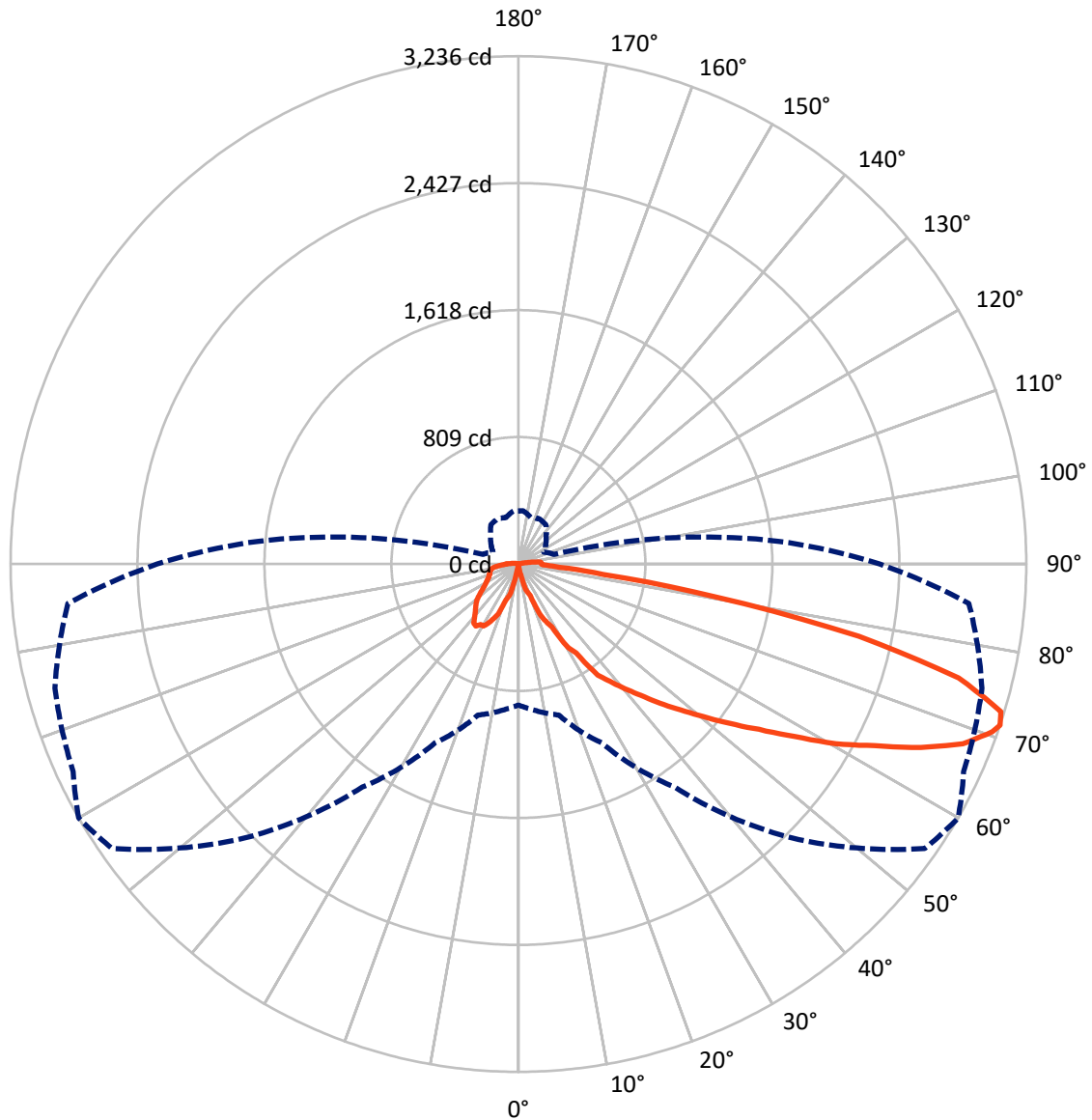


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

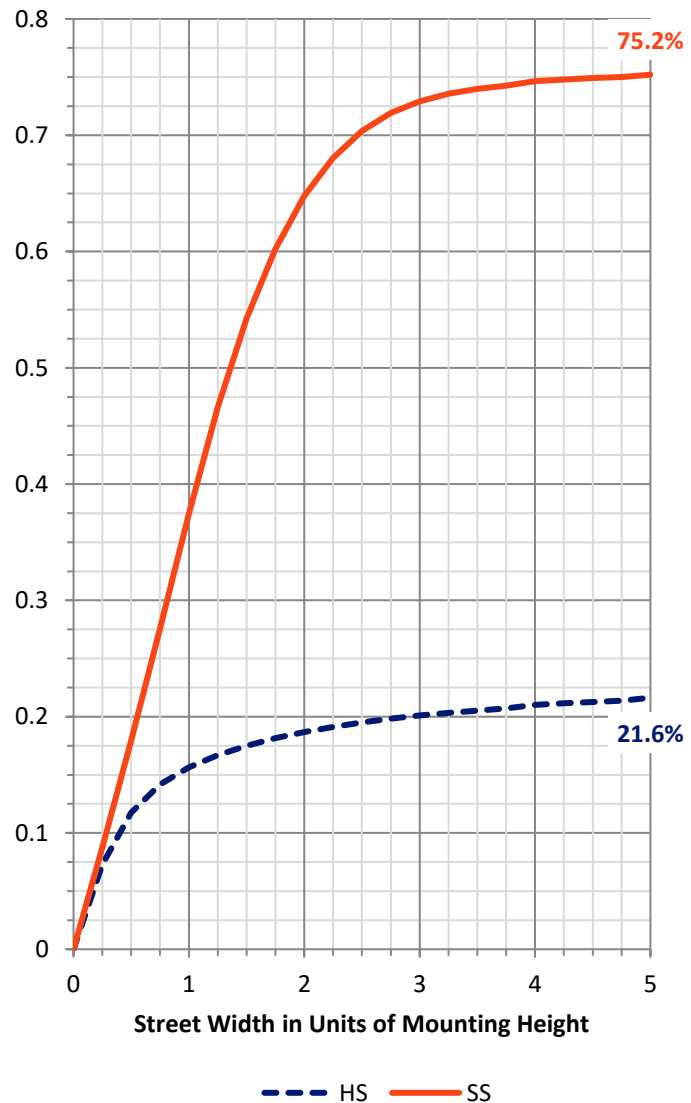
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.3	39.1	1245.4
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	4026.4	38.1	4064.5
	% Fixture	75.8	0.7	76.5
Total	Lumens	5232.7	77.3	5309.9
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	47.7	0.9
20°-30°	195.8	3.7
30°-40°	440.3	8.3
40°-50°	764.3	14.4
50°-60°	1158.1	21.8
60°-70°	1427.2	26.9
70°-80°	972.7	18.3
80°-90°	223.8	4.2
90°-100°	68.4	1.3
100°-110°	6.4	0.1
110°-120°	1.0	0.0
120°-130°	0.7	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5232.7	98.5
0°-180°	5309.9	100.0



REPORT NUMBER: P254574

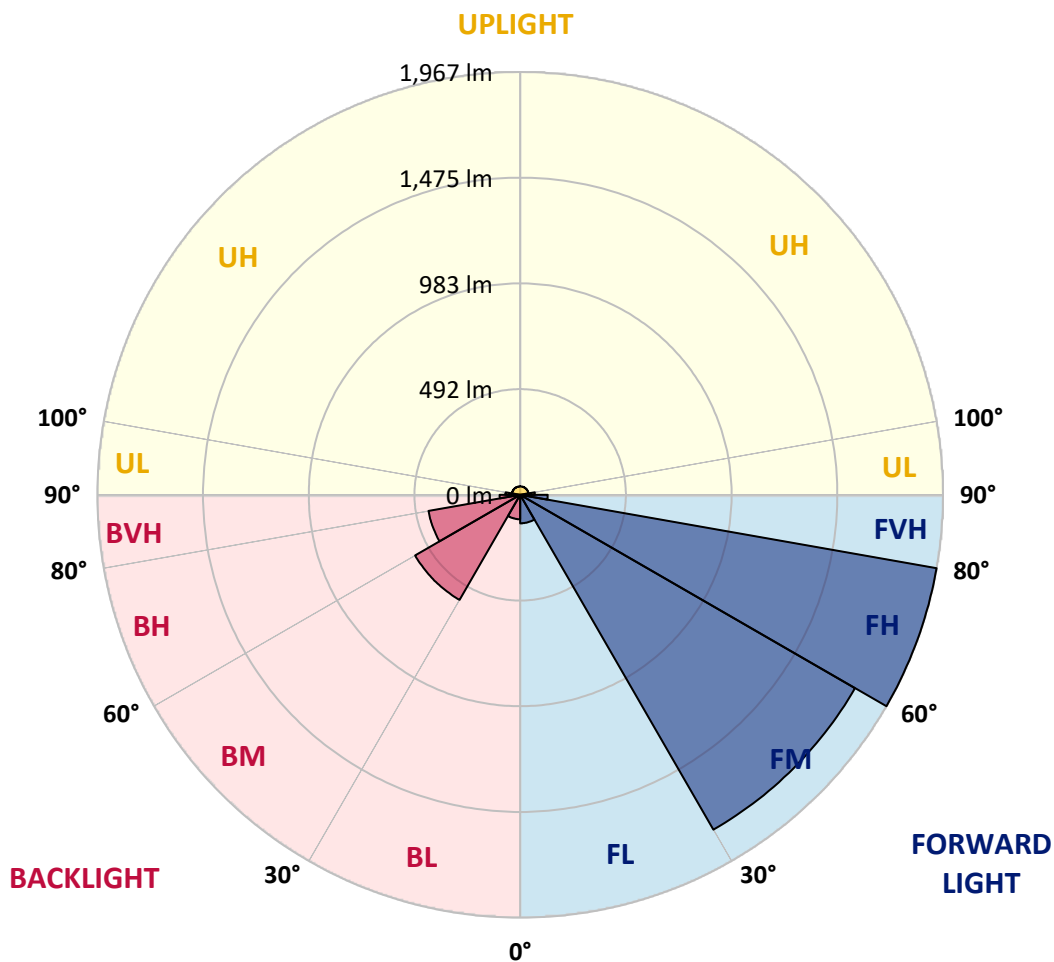
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.6	2.5			
FM	(30°-60°)	1798.5	33.9			
FH	(60°-80°)	1966.9	37.0			G2/5000
FVH	(80°-90°)	128.3	2.4			G2/225
BL	(0°-30°)	113.7	2.1	B1/500		
BM	(30°-60°)	564.1	10.6	B1/1000		
BH	(60°-80°)	432.9	8.2	B1/500		G1/500
BVH	(80°-90°)	95.5	1.8			G1/100
UL	(90°-100°)	68.4	1.3		U3/500	
UH	(100°-180°)	39.1	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	3.2	3.8	2.5	3.2	3.2	2.5	1.8	1.8	2.5	2.5	1.8
5°	57.0	57.6	60.1	62.0	21.3	15.0	5.7	3.8	3.2	2.5	2.5
7.5°	71.9	70.7	69.4	65.7	67.5	63.2	37.5	15.7	7.5	3.2	2.5
10°	83.1	83.1	77.6	73.2	72.5	71.3	67.5	62.0	29.4	6.2	4.4
12.5°	152.0	147.6	140.7	115.7	88.2	79.4	77.6	79.4	65.0	64.5	86.4
15°	173.9	175.2	171.4	162.0	157.0	101.3	133.2	165.7	166.4	133.2	150.1
17.5°	225.8	224.5	205.2	187.1	182.0	193.9	194.6	186.4	187.1	166.4	177.0
20°	335.9	339.0	322.8	273.3	221.5	255.8	248.3	215.8	220.1	314.0	324.1
22.5°	394.1	400.3	381.0	360.3	357.2	284.0	320.9	342.7	332.8	370.3	372.8
25°	584.9	567.9	494.8	423.5	432.8	378.5	415.3	404.0	386.6	414.1	479.1
27.5°	636.8	641.2	622.3	586.0	496.7	516.7	471.0	452.3	521.0	581.1	598.6
30°	755.0	755.0	688.2	674.3	634.9	577.3	616.1	610.5	622.3	631.7	664.3
32.5°	917.0	906.5	876.4	772.6	729.3	660.6	710.6	676.2	696.8	825.0	879.5
35°	1084.1	1083.5	980.8	904.5	816.2	805.7	781.9	870.7	895.2	900.8	954.6
37.5°	1296.7	1298.5	1243.0	1019.0	928.2	879.5	942.1	947.8	976.4	1025.8	1042.8
40°	1464.3	1454.4	1383.0	1216.0	1068.3	998.9	1053.4	1044.0	1093.3	1132.8	1157.2
42.5°	1673.9	1667.7	1569.4	1376.1	1262.3	1151.6	1166.6	1142.2	1177.9	1276.0	1286.1
45°	1870.9	1859.0	1768.4	1562.0	1442.4	1320.5	1287.9	1265.4	1273.5	1384.9	1423.1
47.5°	2002.9	1989.2	1954.7	1752.1	1658.2	1498.7	1431.9	1386.8	1396.8	1521.2	1584.5
50°	2168.0	2122.4	2091.8	1910.3	1843.4	1714.6	1572.6	1528.7	1551.3	1665.1	1763.3
52.5°	2256.2	2194.4	2194.9	2065.4	2002.2	1911.0	1729.6	1687.1	1717.0	1825.9	1968.6
55°	2190.0	2183.6	2238.0	2164.3	2128.7	2049.8	1899.0	1860.2	1909.8	2036.7	2194.4
57.5°	2095.5	2104.9	2216.9	2251.9	2251.9	2188.7	2087.4	2071.1	2124.2	2253.2	2411.4
60°	1987.3	2010.4	2153.7	2254.3	2328.9	2325.0	2290.6	2324.5	2340.2	2462.7	2676.0
62.5°	1828.4	1839.1	2006.6	2210.7	2332.5	2452.0	2504.5	2547.7	2607.2	2707.9	2902.5
65°	1646.3	1659.5	1827.2	2093.0	2311.9	2535.3	2714.1	2818.6	2836.7	2917.4	3065.7
67.5°	1411.2	1425.7	1571.9	1872.1	2230.6	2602.8	2927.5	3055.0	3024.4	3013.2	3104.5
70°	1093.3	1092.8	1196.0	1471.8	1933.5	2576.6	3115.7	3202.7	3123.1	3061.3	2996.9
71°	898.2	928.9	996.5	1257.2	1735.1	2469.6	3160.8	3235.8	3130.1	3057.5	2881.1
72.5°	572.3	608.0	665.6	897.0	1384.9	2193.1	3121.3	3214.0	3107.6	3011.8	2648.5
75°	225.8	234.0	276.4	415.3	751.2	1476.8	2756.1	2896.8	2854.8	2768.5	2123.0
77.5°	136.3	140.7	157.0	207.7	344.7	683.1	2012.9	2217.5	2291.2	2251.3	1461.3
80°	102.6	107.0	121.4	146.4	230.2	284.0	1063.4	1274.2	1456.2	1454.4	820.1
82.5°	78.2	80.8	94.4	103.2	171.4	196.4	401.0	542.4	705.6	705.6	406.6
85°	72.5	72.5	76.9	69.4	113.8	140.7	238.3	260.8	275.9	292.7	237.1
87.5°	28.7	28.2	36.9	35.6	50.0	92.6	150.8	157.7	147.6	178.8	204.6
90°	19.3	20.0	15.7	15.7	27.6	85.1	137.6	144.4	135.7	161.3	210.3
92.5°	18.8	19.3	14.4	14.4	20.6	70.7	143.9	146.4	139.6	166.4	213.9
95°	16.9	17.5	11.9	11.9	16.3	43.1	133.9	137.6	119.4	134.5	171.4
97.5°	13.1	13.7	8.0	8.7	12.6	16.3	80.1	85.7	66.9	63.2	74.4
100°	8.7	9.4	5.0	6.2	7.5	7.5	30.7	33.1	30.0	16.3	9.4
102.5°	8.0	8.7	3.8	3.8	3.8	2.5	6.2	10.1	5.7	6.9	8.0
105°	7.5	8.7	2.5	1.8	1.2	1.2	1.8	2.5	3.2	4.4	8.7
107.5°	5.0	5.7	1.2	1.2	0.6	1.2	1.2	1.2	1.8	3.2	8.0



REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.5	2.5	0.6	0.6	0.0	0.6	0.6	1.2	1.8	2.5	3.8
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.8	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.8	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.8	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.8	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	3.2
125°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	3.2
127.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.5
130°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5
132.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
140°	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
142.5°	1.2	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	1.2	1.2
145°	1.2	1.2	0.6	0.6	0.0	0.0	0.6	0.6	1.2	1.2	1.2
147.5°	1.8	1.8	0.6	0.0	0.0	0.0	0.6	0.6	1.2	1.2	1.8
150°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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



REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6	0.6
5°	1.8	1.8	1.8	1.8	1.8	1.2	2.5	3.8	4.4	5.0	5.0
7.5°	2.5	2.5	2.5	2.5	2.5	5.0	31.2	69.4	79.4	85.1	83.1
10°	4.4	4.4	3.8	4.4	15.7	77.6	94.4	101.3	102.6	107.0	110.7
12.5°	92.6	79.4	37.5	21.3	80.1	100.7	108.8	114.5	120.7	150.1	134.5
15°	153.3	156.3	153.3	169.0	188.9	113.8	135.2	206.4	224.0	228.9	227.7
17.5°	181.4	177.6	177.6	216.5	224.0	222.7	215.1	230.2	234.6	242.1	239.6
20°	337.8	339.0	318.4	251.4	239.0	299.6	240.8	240.2	286.5	329.0	330.3
22.5°	376.6	379.6	369.8	372.8	312.8	309.6	302.1	317.2	335.3	343.4	340.9
25°	511.0	476.1	412.2	384.0	379.0	316.6	356.5	327.1	329.6	334.0	337.2
27.5°	619.3	614.9	573.6	468.5	379.0	384.0	343.4	337.8	375.3	379.0	379.6
30°	670.6	659.3	613.1	492.9	415.9	367.7	334.7	360.9	355.3	359.0	359.0
32.5°	893.8	888.9	786.8	506.1	402.8	340.3	342.7	342.2	374.6	385.3	382.9
35°	954.0	944.5	793.8	574.8	382.2	343.4	322.8	347.1	347.1	351.6	350.2
37.5°	1028.3	1012.8	805.0	550.4	394.8	322.8	315.9	322.8	340.3	345.3	342.2
40°	1131.0	1095.4	795.6	509.8	368.4	319.7	304.0	316.6	315.2	308.9	305.9
42.5°	1237.9	1195.4	796.3	472.2	347.8	315.2	300.3	297.7	294.0	284.0	282.1
45°	1376.7	1293.0	805.7	446.0	330.3	312.8	296.5	285.2	279.6	269.7	267.6
47.5°	1535.0	1397.4	802.5	424.7	312.8	305.3	285.2	274.6	271.5	257.8	255.8
50°	1694.5	1498.7	805.0	395.9	292.7	297.0	282.1	267.1	261.4	245.9	245.2
52.5°	1880.9	1604.5	788.8	354.6	269.7	286.5	284.0	269.0	269.0	245.9	243.9
55°	2065.4	1734.0	774.9	310.9	253.9	277.7	287.8	282.1	280.9	249.0	247.0
57.5°	2247.5	1845.3	730.6	272.7	243.9	270.2	296.5	290.8	287.2	261.4	255.8
60°	2443.9	1991.0	646.9	242.7	238.3	264.0	299.1	298.4	277.1	274.6	271.5
62.5°	2591.5	2075.5	538.5	222.7	230.2	262.1	297.7	297.7	279.6	278.9	277.7
65°	2661.5	2086.1	407.2	207.0	222.1	259.0	293.4	305.3	290.8	292.7	290.2
67.5°	2625.9	2005.5	306.5	193.3	214.5	256.4	294.0	314.0	300.9	320.2	317.2
70°	2437.7	1797.8	252.1	183.9	212.1	252.1	302.7	316.6	307.8	339.0	335.3
71°	2300.7	1663.9	235.2	178.3	212.1	249.5	304.7	317.2	306.5	340.9	337.8
72.5°	2068.6	1428.0	217.1	170.1	210.8	248.3	304.7	316.6	310.3	349.1	343.4
75°	1558.8	980.2	194.6	165.7	209.6	244.6	298.4	310.9	305.3	334.7	333.3
77.5°	998.9	572.9	173.9	165.1	204.6	242.7	290.2	299.6	289.6	314.6	313.3
80°	549.8	329.0	154.5	154.5	194.6	238.3	277.7	279.6	269.7	289.0	280.9
82.5°	326.5	233.3	128.3	135.7	180.2	226.3	264.0	255.2	244.6	280.2	238.3
85°	220.1	181.4	88.2	104.5	162.0	196.4	235.2	221.5	203.3	204.6	195.1
87.5°	182.7	144.4	46.3	68.2	125.7	143.9	174.5	160.7	142.0	139.6	131.3
90°	181.4	140.7	36.9	61.3	100.7	111.3	135.2	122.0	111.3	115.7	109.5
92.5°	182.7	139.6	38.1	52.6	82.6	83.8	110.7	105.8	96.3	98.3	92.0
95°	146.4	109.5	36.9	41.9	46.9	44.4	68.2	68.2	58.8	55.7	51.9
97.5°	61.3	54.4	34.4	33.8	33.1	24.4	39.5	45.1	30.7	20.6	18.1
100°	9.4	15.7	28.7	31.9	23.2	14.4	25.0	28.7	16.3	3.2	2.5
102.5°	9.4	8.0	11.9	23.8	13.7	3.8	10.1	16.3	8.0	1.8	2.5
105°	10.1	8.0	5.0	12.6	3.2	1.2	0.6	4.4	1.2	1.8	1.8
107.5°	9.4	7.5	3.2	2.5	1.8	0.6	0.0	0.0	0.0	1.8	2.5



REPORT NUMBER: P254574

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.0	4.4	3.2	1.8	1.2	0.6	0.0	0.0	0.0	1.8	2.5
112.5°	3.2	3.8	2.5	1.8	0.6	0.6	0.0	0.0	0.0	2.5	3.2
115°	3.8	3.8	2.5	1.2	0.6	0.0	0.0	0.0	0.0	2.5	3.2
117.5°	3.8	3.8	2.5	1.2	0.6	0.0	0.0	0.0	0.0	2.5	3.2
120°	3.8	3.8	2.5	1.2	0.6	0.0	0.0	0.0	0.0	2.5	3.2
122.5°	3.8	3.8	2.5	1.2	0.6	0.0	0.0	0.0	0.0	1.8	2.5
125°	3.2	3.2	2.5	1.2	0.0	0.0	0.0	0.0	0.0	1.8	2.5
127.5°	3.2	3.2	1.8	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.8
130°	3.2	3.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2
132.5°	2.5	2.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	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)