

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: P254584

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254584
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-AF24-60-D-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6489.5 lumens
Efficiency: N/A
Efficacy: 101.4 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 - G2

Input Watts (W): 64
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

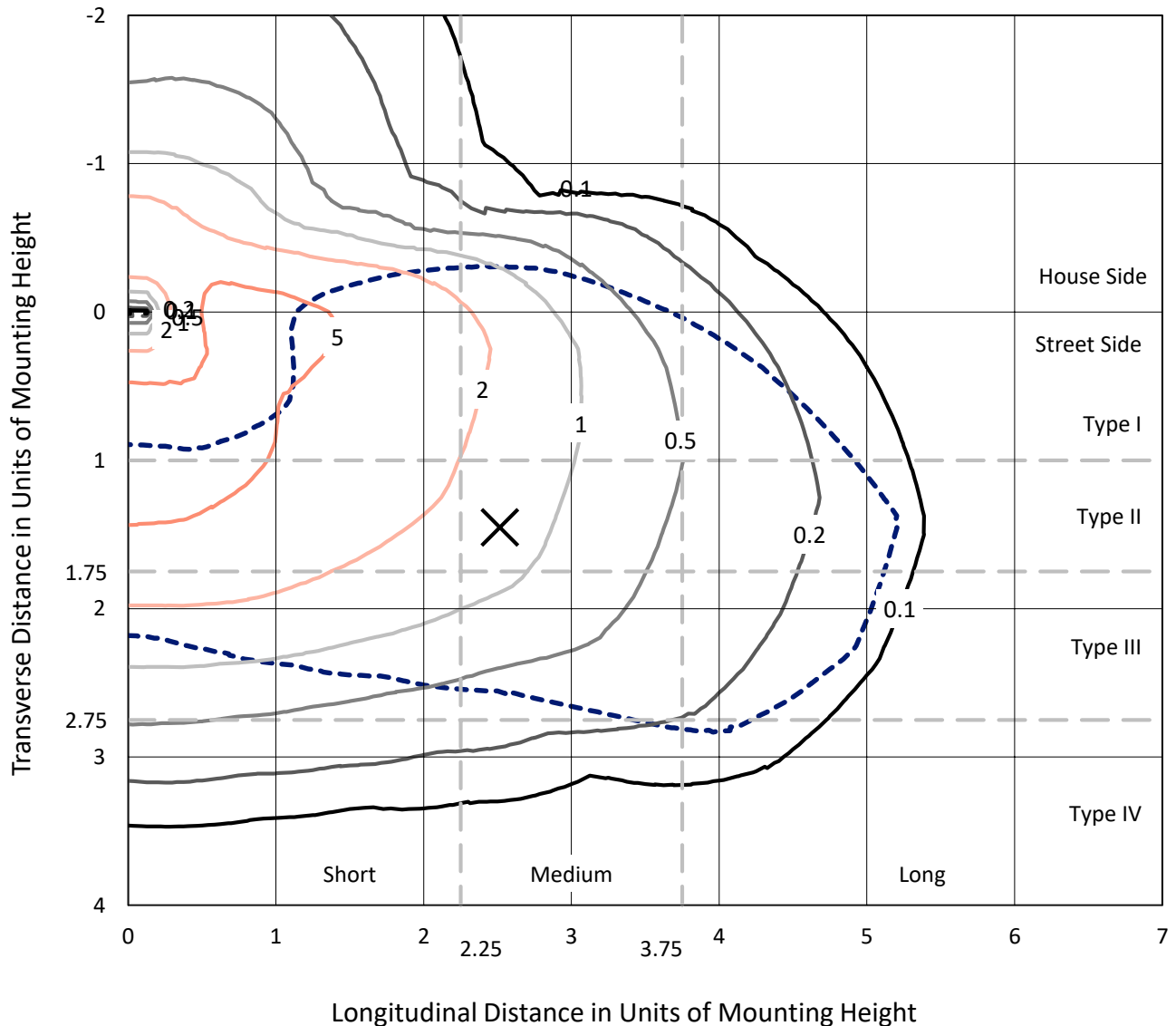


REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

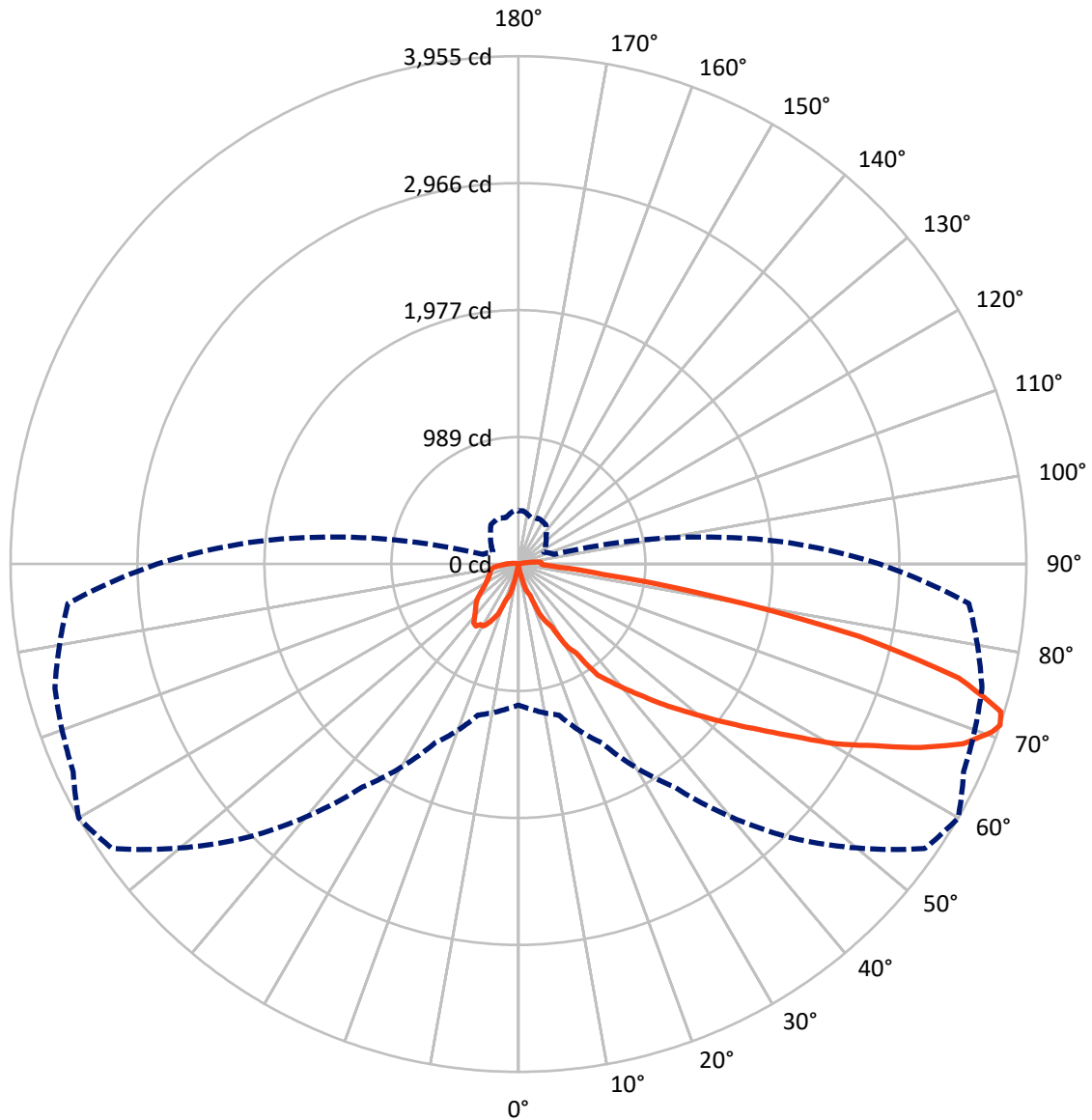


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

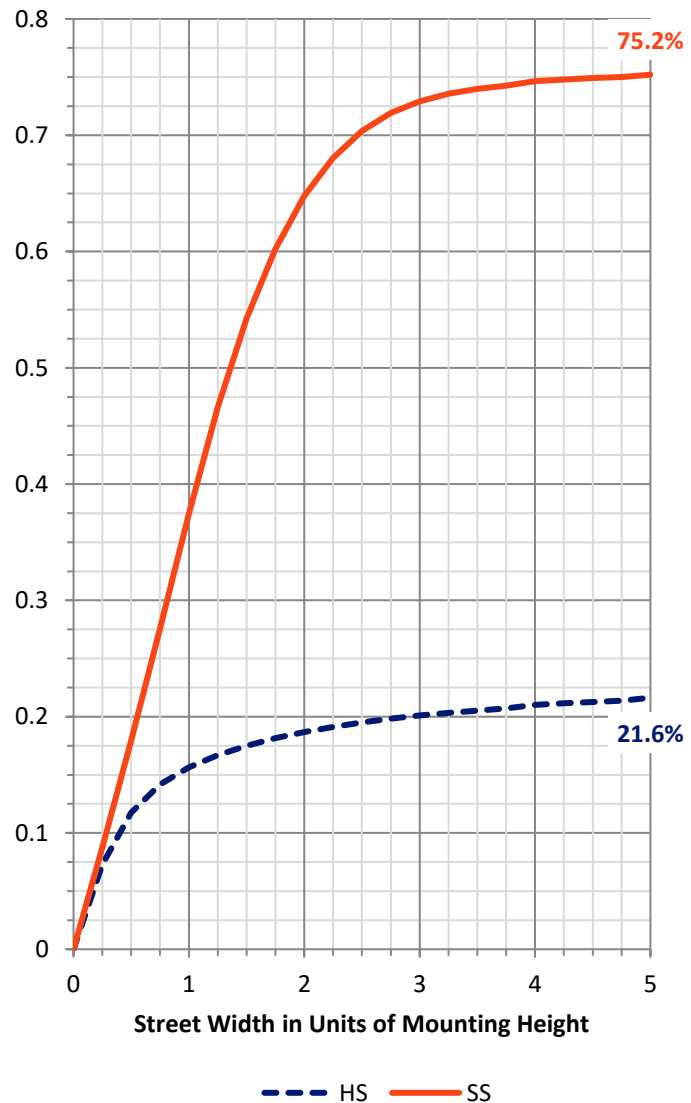
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1474.2	47.8	1522.1
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	4920.9	46.6	4967.5
	% Fixture	75.8	0.7	76.5
Total	Lumens	6395.1	94.4	6489.5
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	58.3	0.9
20°-30°	239.3	3.7
30°-40°	538.1	8.3
40°-50°	934.1	14.4
50°-60°	1415.3	21.8
60°-70°	1744.2	26.9
70°-80°	1188.8	18.3
80°-90°	273.6	4.2
90°-100°	83.6	1.3
100°-110°	7.8	0.1
110°-120°	1.3	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6395.1	98.5
0°-180°	6489.5	100.0



REPORT NUMBER: P254584

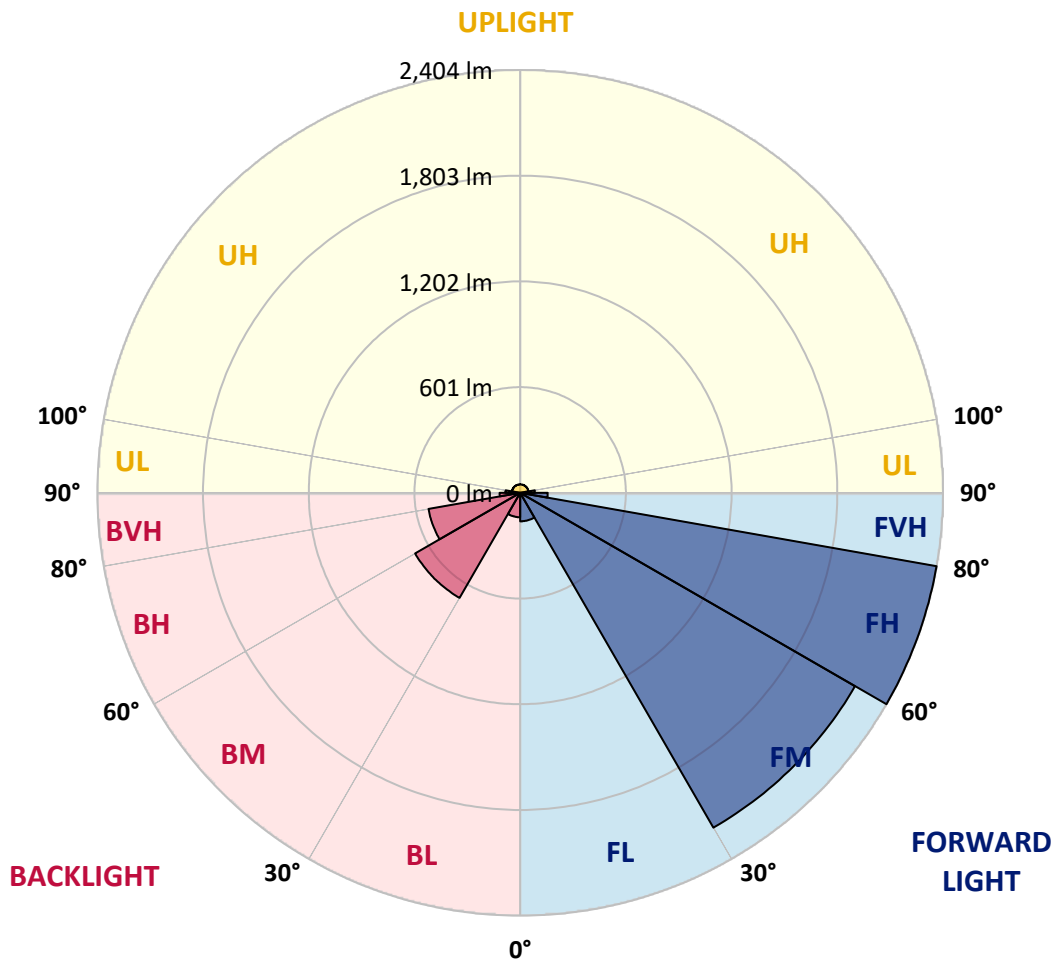
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.1	2.5			
FM	(30°-60°)	2198.0	33.9			
FH	(60°-80°)	2403.9	37.0			G2/5000
FVH	(80°-90°)	156.8	2.4			G2/225
BL	(0°-30°)	139.0	2.1	B1/500		
BM	(30°-60°)	689.4	10.6	B1/1000		
BH	(60°-80°)	529.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	116.7	1.8			G2/225
UL	(90°-100°)	83.6	1.3		U3/500	
UH	(100°-180°)	47.8	0.7		U2/50	

BUG Rating: B2-U3-G2

Type III Medium





REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.8	4.6	3.1	3.8	3.8	3.1	2.3	2.3	3.1	3.1	2.3
5°	69.6	70.4	73.3	75.7	26.0	18.3	6.9	4.6	3.8	3.1	3.1
7.5°	87.9	86.3	84.9	80.3	82.6	77.2	45.8	19.1	9.2	3.8	3.1
10°	101.7	101.7	94.8	89.4	88.7	87.2	82.6	75.7	35.9	7.7	5.3
12.5°	185.8	180.4	172.0	141.5	107.8	97.1	94.8	97.1	79.5	78.8	105.5
15°	212.6	214.1	209.5	198.0	191.9	123.9	162.9	202.5	203.4	162.9	183.5
17.5°	276.0	274.5	250.7	228.6	222.5	237.0	237.7	227.8	228.6	203.4	216.4
20°	410.5	414.4	394.4	334.1	270.7	312.7	303.5	263.7	269.1	383.8	396.0
22.5°	481.6	489.3	465.5	440.4	436.5	347.1	392.2	418.9	406.7	452.6	455.6
25°	714.8	694.2	604.7	517.5	529.1	462.5	507.6	493.9	472.4	506.1	585.6
27.5°	778.3	783.6	760.7	716.3	607.0	631.5	575.6	552.7	636.8	710.2	731.6
30°	922.7	922.7	841.0	824.1	775.9	705.6	753.0	746.1	760.7	772.1	811.9
32.5°	1120.7	1107.8	1071.0	944.1	891.4	807.3	868.5	826.4	851.6	1008.3	1074.8
35°	1324.8	1324.1	1198.7	1105.4	997.7	984.7	955.6	1064.2	1093.9	1100.9	1166.6
37.5°	1584.8	1587.1	1519.0	1245.3	1134.5	1074.8	1151.3	1158.2	1193.4	1253.7	1274.4
40°	1789.7	1777.4	1690.2	1486.1	1305.7	1220.9	1287.4	1275.9	1336.3	1384.5	1414.3
42.5°	2045.7	2038.1	1918.0	1681.8	1542.7	1407.4	1425.8	1395.9	1439.5	1559.5	1571.8
45°	2286.6	2272.1	2161.2	1908.9	1762.9	1613.8	1574.0	1546.5	1556.5	1692.6	1739.2
47.5°	2447.8	2431.0	2389.0	2141.3	2026.7	1831.7	1749.9	1694.8	1707.1	1859.2	1936.4
50°	2649.6	2593.9	2556.5	2334.7	2252.9	2095.4	1921.9	1868.4	1895.9	2035.1	2155.1
52.5°	2757.5	2681.8	2682.6	2524.3	2447.1	2335.5	2113.8	2061.8	2098.5	2231.5	2405.8
55°	2676.4	2668.8	2735.3	2645.1	2601.6	2505.2	2321.0	2273.6	2334.0	2489.1	2681.8
57.5°	2561.0	2572.5	2709.3	2752.1	2752.1	2674.9	2551.0	2531.2	2596.1	2753.7	2947.0
60°	2428.8	2457.0	2632.1	2755.2	2846.2	2841.6	2799.5	2840.8	2859.9	3009.7	3270.5
62.5°	2234.5	2247.5	2452.4	2701.7	2850.8	2996.7	3061.0	3113.8	3186.4	3309.5	3547.2
65°	2012.1	2028.2	2233.0	2558.0	2825.5	3098.4	3317.1	3444.8	3466.9	3565.5	3746.7
67.5°	1724.7	1742.3	1921.1	2288.0	2726.2	3181.0	3577.8	3733.7	3696.2	3682.5	3794.1
70°	1336.3	1335.6	1461.7	1798.9	2363.0	3148.8	3807.8	3914.1	3817.0	3741.3	3662.6
71°	1097.8	1135.3	1217.8	1536.6	2120.7	3018.1	3862.9	3954.6	3825.4	3736.7	3521.2
72.5°	699.5	743.1	813.5	1096.3	1692.6	2680.2	3814.8	3927.9	3797.9	3681.0	3236.8
75°	276.0	285.9	337.9	507.6	918.1	1804.9	3368.3	3540.3	3489.1	3383.6	2594.6
77.5°	166.6	172.0	191.9	253.8	421.3	834.8	2460.1	2710.1	2800.3	2751.3	1785.9
80°	125.4	130.7	148.3	178.9	281.3	347.1	1299.7	1557.2	1779.7	1777.4	1002.2
82.5°	95.5	98.6	115.4	126.1	209.5	240.1	490.0	662.8	862.3	862.3	496.9
85°	88.7	88.7	94.0	84.9	139.1	172.0	291.2	318.8	337.2	357.7	289.7
87.5°	35.2	34.4	45.1	43.6	61.2	113.1	184.2	192.6	180.4	218.6	250.0
90°	23.7	24.4	19.1	19.1	33.7	103.9	168.2	176.6	165.9	197.2	256.9
92.5°	22.9	23.7	17.6	17.6	25.3	86.3	175.8	178.9	170.5	203.4	261.5
95°	20.7	21.4	14.5	14.5	19.8	52.8	163.6	168.2	146.0	164.4	209.5
97.5°	16.1	16.8	9.9	10.7	15.2	19.8	97.9	104.8	81.8	77.2	90.9
100°	10.7	11.5	6.1	7.7	9.2	9.2	37.4	40.5	36.7	19.8	11.5
102.5°	9.9	10.7	4.6	4.6	4.6	3.1	7.7	12.3	6.9	8.4	9.9
105°	9.2	10.7	3.1	2.3	1.5	1.5	2.3	3.1	3.8	5.3	10.7
107.5°	6.1	6.9	1.5	1.5	0.7	1.5	1.5	1.5	2.3	3.8	9.9



REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.1	3.1	0.7	0.7	0.0	0.7	0.7	1.5	2.3	3.1	4.6
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	2.3	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	2.3	3.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.3	3.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.3	3.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	3.8
125°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.8
127.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.1
130°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.1
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
140°	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
142.5°	1.5	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	1.5	1.5
145°	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	1.5	1.5	1.5
147.5°	2.3	2.3	0.7	0.0	0.0	0.0	0.7	0.7	1.5	1.5	2.3
150°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.7	1.5	1.5	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.3	2.3	2.3	2.3	1.5	0.7	0.7	0.7	0.7	0.7	0.7
5°	2.3	2.3	2.3	2.3	2.3	1.5	3.1	4.6	5.3	6.1	6.1
7.5°	3.1	3.1	3.1	3.1	3.1	6.1	38.3	84.9	97.1	103.9	101.7
10°	5.3	5.3	4.6	5.3	19.1	94.8	115.4	123.9	125.4	130.7	135.3
12.5°	113.1	97.1	45.8	26.0	97.9	123.1	133.0	139.9	147.5	183.5	164.4
15°	187.3	191.1	187.3	206.4	230.9	139.1	165.1	252.3	273.6	279.8	278.2
17.5°	221.7	217.1	217.1	264.5	273.6	272.1	263.0	281.3	286.6	295.8	292.8
20°	412.9	414.4	389.1	307.3	292.1	366.2	294.3	293.6	350.2	402.1	403.7
22.5°	460.2	464.0	451.8	455.6	382.3	378.4	369.3	387.6	409.8	419.7	416.6
25°	624.6	581.8	503.8	469.4	463.3	386.8	435.8	399.9	402.8	408.3	412.0
27.5°	756.9	751.5	701.0	572.5	463.3	469.4	419.7	412.9	458.7	463.3	464.0
30°	819.5	805.8	749.2	602.4	508.4	449.5	409.0	441.1	434.2	438.8	438.8
32.5°	1092.4	1086.4	961.7	618.5	492.3	415.8	418.9	418.2	457.9	471.0	467.9
35°	1165.9	1154.4	970.2	702.6	467.1	419.7	394.4	424.3	424.3	429.6	428.1
37.5°	1256.8	1237.7	983.9	672.7	482.4	394.4	386.1	394.4	415.8	422.0	418.2
40°	1382.2	1338.6	972.4	623.1	450.3	390.7	371.5	386.8	385.3	377.7	373.8
42.5°	1512.9	1460.9	973.1	577.1	425.0	385.3	366.9	363.9	359.3	347.1	344.7
45°	1682.7	1580.2	984.7	545.0	403.7	382.3	362.3	348.6	341.8	329.5	327.2
47.5°	1876.0	1707.8	980.8	519.0	382.3	373.1	348.6	335.6	331.7	315.0	312.7
50°	2071.0	1831.7	983.9	484.0	357.7	363.1	344.7	326.4	319.6	300.4	299.7
52.5°	2298.8	1960.9	964.0	433.4	329.5	350.2	347.1	328.8	328.8	300.4	298.2
55°	2524.3	2119.1	947.2	379.9	310.4	339.4	351.7	344.7	343.2	304.2	302.0
57.5°	2746.7	2255.2	892.9	333.3	298.2	330.2	362.3	355.5	350.9	319.6	312.7
60°	2986.8	2433.3	790.4	296.7	291.2	322.6	365.4	364.7	338.7	335.6	331.7
62.5°	3167.3	2536.5	658.2	272.1	281.3	320.3	363.9	363.9	341.8	340.9	339.4
65°	3252.9	2549.5	497.7	253.1	271.4	316.5	358.5	373.1	355.5	357.7	354.8
67.5°	3209.3	2450.9	374.6	236.2	262.2	313.4	359.3	383.8	367.8	391.4	387.6
70°	2979.1	2197.1	308.1	224.7	259.1	308.1	370.0	386.8	376.1	414.4	409.8
71°	2811.8	2033.5	287.4	217.9	259.1	305.0	372.3	387.6	374.6	416.6	412.9
72.5°	2528.1	1745.3	265.3	208.0	257.6	303.5	372.3	386.8	379.2	426.6	419.7
75°	1905.0	1198.0	237.7	202.5	256.1	298.9	364.7	379.9	373.1	409.0	407.4
77.5°	1220.9	700.3	212.6	201.8	250.0	296.7	354.8	366.2	353.9	384.5	383.0
80°	672.0	402.1	188.8	188.8	237.7	291.2	339.4	341.8	329.5	353.2	343.2
82.5°	399.1	285.2	156.7	165.9	220.1	276.7	322.6	311.9	298.9	342.5	291.2
85°	269.1	221.7	107.8	127.7	198.0	240.1	287.4	270.7	248.5	250.0	238.6
87.5°	223.2	176.6	56.6	83.4	153.6	175.8	213.3	196.5	173.5	170.5	160.5
90°	221.7	172.0	45.1	74.9	123.1	136.1	165.1	149.0	136.1	141.5	133.8
92.5°	223.2	170.5	46.6	64.2	100.9	102.4	135.3	129.2	117.7	120.0	112.4
95°	178.9	133.8	45.1	51.2	57.3	54.3	83.4	83.4	71.8	68.0	63.4
97.5°	74.9	66.5	42.0	41.3	40.5	29.8	48.2	55.0	37.4	25.3	22.2
100°	11.5	19.1	35.2	39.0	28.3	17.6	30.6	35.2	19.8	3.8	3.1
102.5°	11.5	9.9	14.5	29.1	16.8	4.6	12.3	19.8	9.9	2.3	3.1
105°	12.3	9.9	6.1	15.2	3.8	1.5	0.7	5.3	1.5	2.3	2.3
107.5°	11.5	9.2	3.8	3.1	2.3	0.7	0.0	0.0	0.0	2.3	3.1



REPORT NUMBER: P254584

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.1	5.3	3.8	2.3	1.5	0.7	0.0	0.0	0.0	2.3	3.1
112.5°	3.8	4.6	3.1	2.3	0.7	0.7	0.0	0.0	0.0	3.1	3.8
115°	4.6	4.6	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.1	3.8
117.5°	4.6	4.6	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.1	3.8
120°	4.6	4.6	3.1	1.5	0.7	0.0	0.0	0.0	0.0	3.1	3.8
122.5°	4.6	4.6	3.1	1.5	0.7	0.0	0.0	0.0	0.0	2.3	3.1
125°	3.8	3.8	3.1	1.5	0.0	0.0	0.0	0.0	0.0	2.3	3.1
127.5°	3.8	3.8	2.3	1.5	0.0	0.0	0.0	0.0	0.0	1.5	2.3
130°	3.8	3.8	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.5
132.5°	3.1	3.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)