

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: P254466

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)
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-T2U-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5206.2 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): 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

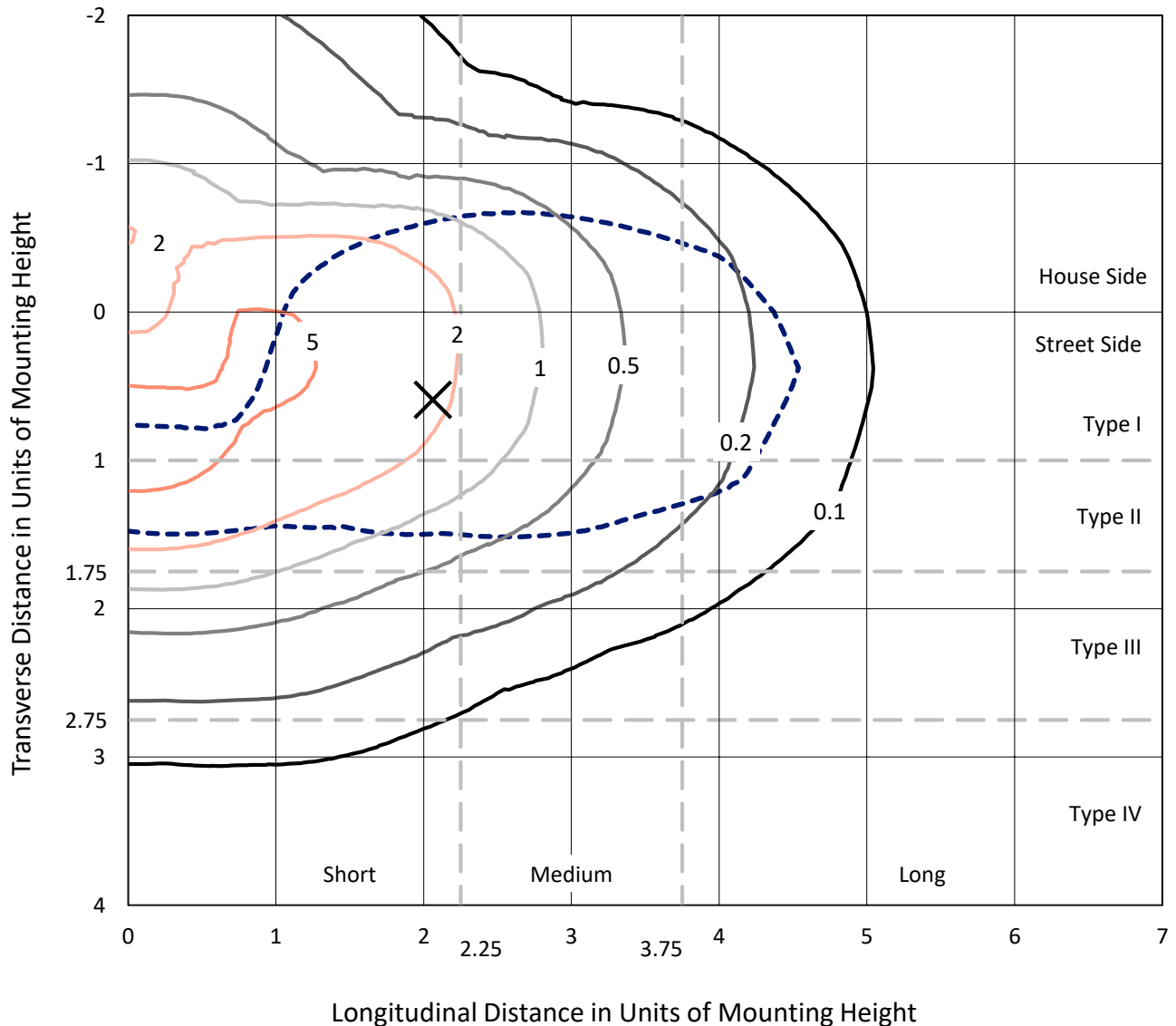


REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

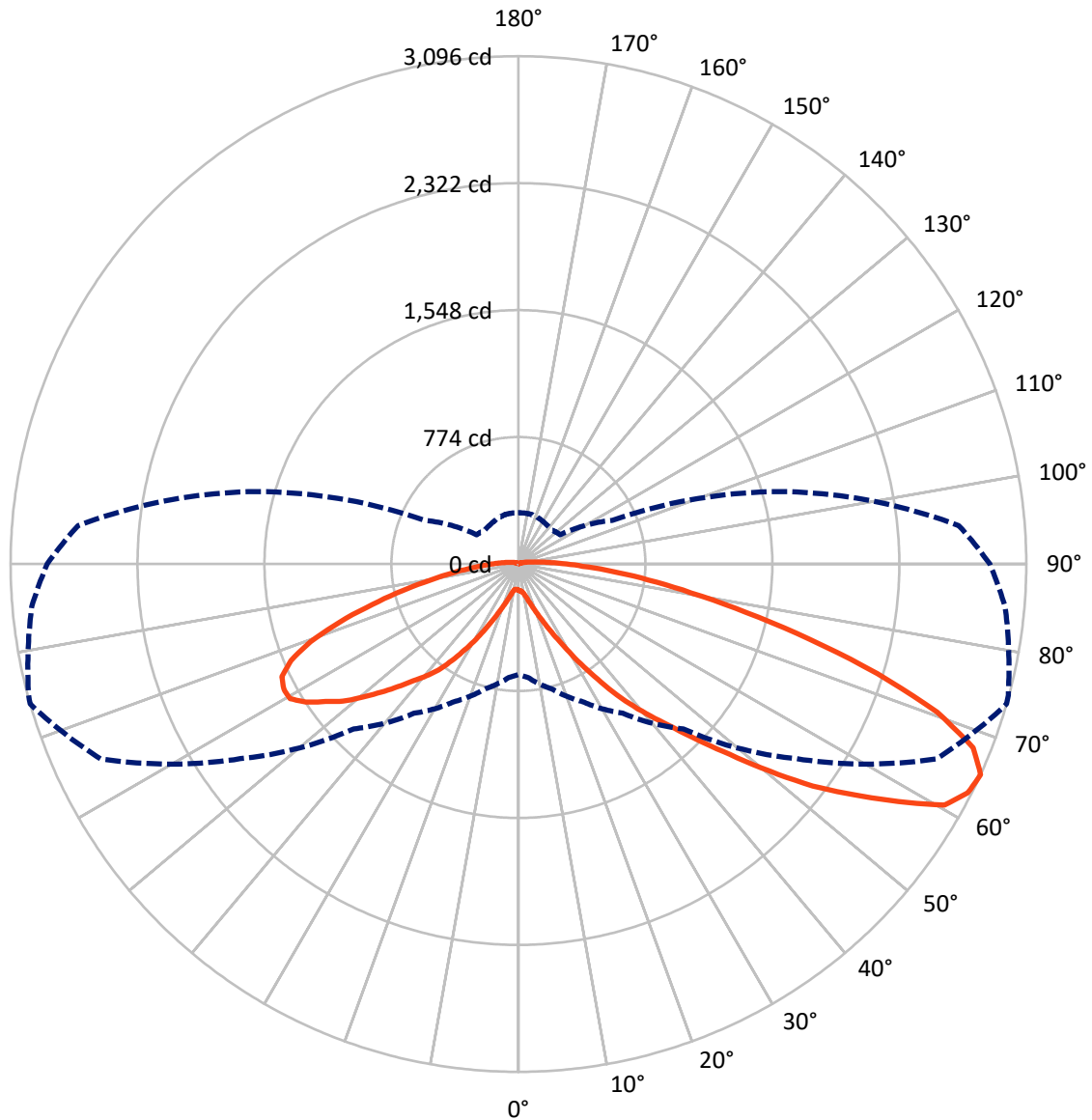


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

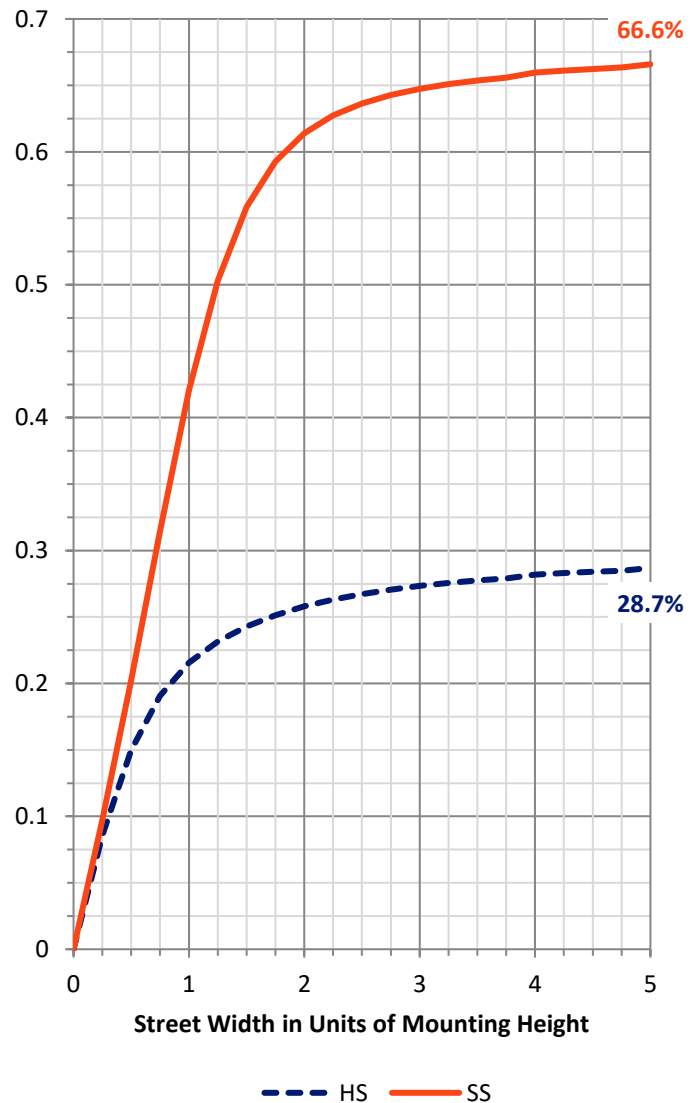
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1539.5	75.3	1614.8
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	3514.8	76.6	3591.4
	% Fixture	67.5	1.5	69.0
Total	Lumens	5054.3	151.9	5206.2
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.3
10°-20°	65.3	1.3
20°-30°	192.6	3.7
30°-40°	469.8	9.0
40°-50°	857.6	16.5
50°-60°	1220.3	23.4
60°-70°	1228.6	23.6
70°-80°	727.4	14.0
80°-90°	276.8	5.3
90°-100°	87.3	1.7
100°-110°	33.0	0.6
110°-120°	15.8	0.3
120°-130°	9.0	0.2
130°-140°	5.0	0.1
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5054.3	97.1
0°-180°	5206.2	100.0

Coefficient of Utilization



REPORT NUMBER: P254466

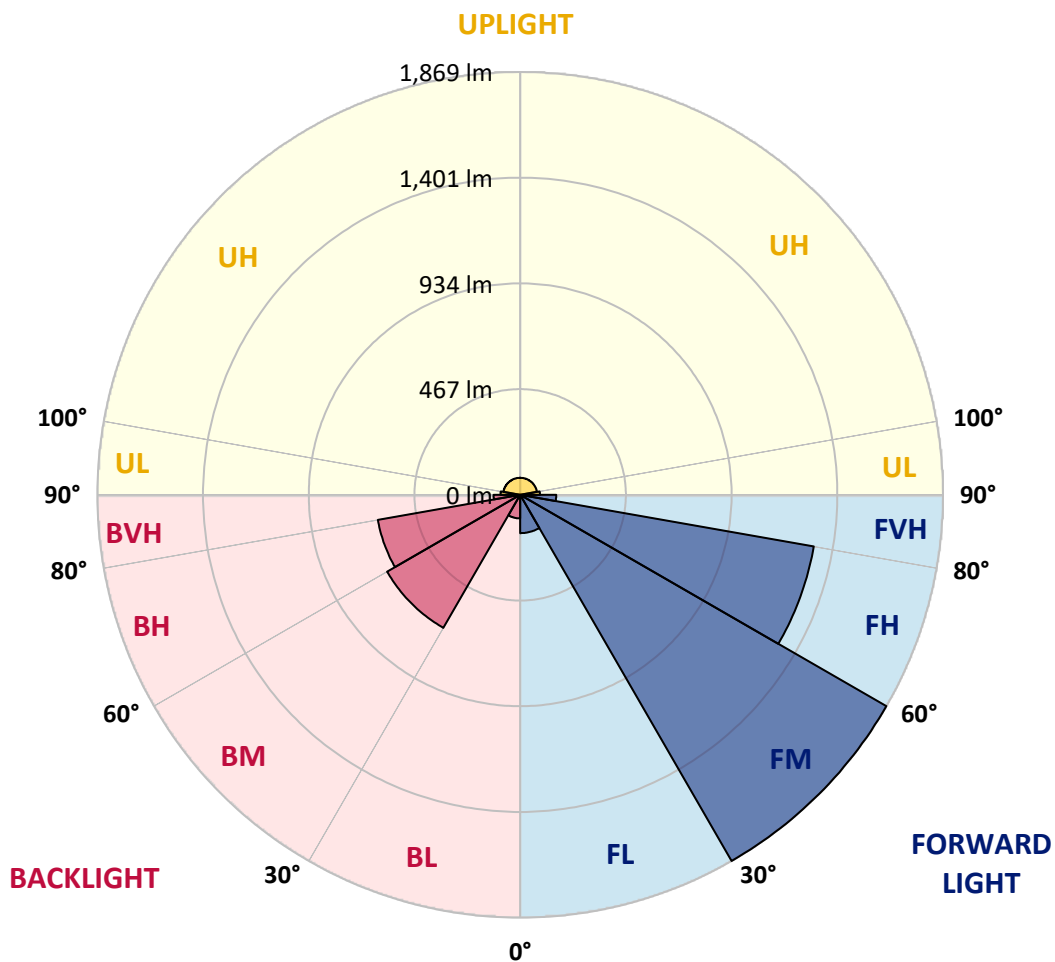
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.5	3.3			
FM (30°-60°)	1868.5	35.9			
FH (60°-80°)	1317.5	25.3			G1/1800
FVH (80°-90°)	159.3	3.1			G2/225
BL (0°-30°)	104.3	2.0	B0/110		
BM (30°-60°)	679.1	13.0	B1/1000		
BH (60°-80°)	638.5	12.3	B2/1000		G2/1000
BVH (80°-90°)	117.6	2.3			G2/225
UL (90°-100°)	87.3	1.7		U3/500	
UH (100°-180°)	75.3	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	171.4	170.8	171.4	170.8	170.8	169.5	167.6	165.1	162.6	162.0	160.2
5°	183.2	183.2	183.2	182.0	180.8	178.8	175.2	170.8	166.4	165.7	162.0
7.5°	199.5	200.2	199.0	196.4	193.9	188.9	184.5	178.3	172.6	172.0	166.4
10°	223.9	223.3	221.5	218.3	211.4	205.7	198.3	189.6	183.2	182.0	175.2
12.5°	257.8	257.1	253.9	245.2	235.8	225.2	217.7	209.6	203.3	202.6	196.4
15°	301.4	300.3	294.0	282.8	267.6	253.9	247.7	239.6	233.3	232.7	226.3
17.5°	355.3	354.0	345.3	329.0	308.3	292.7	285.8	276.4	269.6	270.2	260.8
20°	422.9	419.7	407.9	385.9	360.9	342.1	331.5	322.1	316.6	315.9	308.9
22.5°	509.8	505.5	484.1	457.9	426.5	401.0	387.3	377.2	373.4	374.0	367.7
25°	621.1	613.0	586.0	549.8	511.0	471.7	455.4	444.1	446.0	447.2	441.0
27.5°	753.2	749.3	708.1	664.3	606.7	556.0	541.1	529.8	533.5	536.7	531.6
30°	917.0	904.4	856.3	790.6	716.2	654.3	634.9	631.1	641.2	645.5	642.3
32.5°	1105.2	1094.6	1028.9	945.7	837.6	764.4	741.9	751.8	768.1	773.1	769.4
35°	1328.6	1319.2	1231.0	1117.1	979.5	901.3	871.4	888.2	908.8	913.2	907.6
37.5°	1559.3	1554.3	1458.1	1308.5	1140.2	1038.9	1013.3	1037.8	1059.6	1063.3	1044.5
40°	1757.0	1761.4	1665.1	1499.2	1305.4	1185.4	1170.2	1192.2	1198.5	1200.3	1164.7
42.5°	1917.7	1920.2	1836.4	1668.8	1460.6	1337.9	1329.8	1341.0	1342.9	1342.9	1301.6
45°	1960.3	1974.1	1925.9	1798.3	1608.2	1486.2	1486.2	1511.8	1524.2	1528.1	1474.9
47.5°	1979.7	1989.7	1962.2	1870.2	1727.0	1629.4	1662.0	1721.4	1733.8	1740.7	1672.5
50°	1962.2	1976.0	1970.9	1911.5	1808.4	1760.7	1855.9	1959.7	1982.8	1989.7	1906.5
52.5°	1824.5	1852.1	1893.4	1904.0	1857.7	1870.2	2052.2	2227.4	2248.0	2251.8	2128.6
55°	1625.7	1658.2	1728.3	1802.7	1847.0	1942.7	2243.0	2486.3	2481.3	2483.8	2342.5
57.5°	1375.5	1407.4	1501.8	1619.4	1748.2	1959.0	2357.5	2696.5	2730.9	2737.8	2603.9
60°	1145.2	1158.3	1259.8	1392.9	1563.7	1876.5	2357.5	2871.7	2983.7	2970.4	2789.1
62.5°	880.1	907.0	1012.8	1157.8	1343.6	1674.4	2271.8	2927.3	3073.7	3055.6	2885.4
65°	673.7	695.6	788.8	925.8	1110.8	1421.1	2068.5	2810.3	3095.6	3091.2	2978.0
67.5°	525.4	528.5	608.6	725.6	878.8	1146.5	1735.7	2583.3	2989.9	2989.3	2921.7
70°	397.1	400.3	465.3	573.6	678.6	877.0	1386.1	2213.6	2709.0	2700.9	2732.1
72.5°	303.4	307.1	358.4	444.6	521.7	654.9	1056.4	1780.2	2287.5	2299.4	2345.6
75°	234.6	238.3	278.4	345.3	399.7	480.4	763.0	1340.4	1833.9	1853.4	1950.3
77.5°	180.8	184.5	216.5	267.1	307.1	352.2	531.6	983.3	1418.6	1443.7	1551.8
80°	138.9	142.6	170.8	207.0	239.6	267.1	374.6	704.2	1067.7	1095.9	1221.6
82.5°	107.6	111.3	135.2	164.6	192.1	210.8	272.7	501.6	796.3	819.5	950.1
85°	83.1	86.4	106.3	129.5	155.7	172.6	208.9	355.3	571.8	591.1	694.4
87.5°	64.5	66.9	83.1	101.9	126.3	143.2	166.4	258.3	392.1	407.2	476.1
90°	48.8	51.3	64.5	78.7	100.1	118.2	133.2	185.7	269.6	278.4	313.3
92.5°	35.6	37.4	48.2	58.8	76.3	93.9	106.3	137.5	183.2	187.6	202.6
95°	26.9	28.2	35.6	43.8	57.6	72.5	82.6	101.3	123.3	125.7	130.7
97.5°	21.3	21.9	27.6	33.8	44.4	56.3	63.8	74.4	87.0	88.2	90.6
100°	18.1	18.8	23.2	28.2	35.6	45.1	50.7	57.6	64.5	65.0	66.9
102.5°	15.7	16.3	19.3	23.2	30.0	37.4	41.3	45.7	49.3	48.8	50.7
105°	13.7	13.7	16.9	20.0	25.6	31.2	33.8	36.3	37.4	37.4	38.8
107.5°	11.9	12.4	14.4	17.5	22.5	26.9	28.2	28.7	28.7	28.7	30.0
110°	10.6	10.6	12.4	15.0	19.3	23.2	23.8	23.2	22.5	22.5	23.8



REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.4	9.4	10.6	13.7	17.5	20.6	20.6	19.3	17.5	17.5	18.8
115°	8.0	8.7	9.4	12.4	16.3	18.8	18.1	16.3	14.4	14.4	15.7
117.5°	7.5	7.5	8.7	11.3	15.0	16.9	16.3	13.7	11.9	11.9	13.1
120°	7.5	7.5	8.0	10.6	13.7	15.7	14.4	11.9	10.1	10.1	11.9
122.5°	7.5	7.5	8.0	10.1	12.4	13.7	13.1	10.6	8.7	8.7	10.1
125°	8.0	8.0	8.0	10.1	11.9	13.1	11.9	10.1	8.0	8.0	8.7
127.5°	8.7	8.7	8.7	10.1	11.3	11.9	10.6	8.7	7.5	7.5	8.0
130°	9.4	9.4	8.7	9.4	10.6	10.6	10.1	8.0	6.9	6.9	8.0
132.5°	9.4	9.4	8.7	8.7	9.4	9.4	8.7	6.9	6.2	6.2	7.5
135°	8.7	8.7	8.0	8.0	8.0	8.0	6.9	5.7	5.7	5.7	6.2
137.5°	8.0	8.0	7.5	7.5	7.5	6.9	5.7	4.4	4.4	4.4	5.7
140°	6.9	6.9	6.9	6.2	6.2	5.7	4.4	3.8	3.8	3.8	4.4
142.5°	6.2	5.7	5.7	5.0	5.0	4.4	3.2	2.5	2.5	2.5	3.2
145°	5.0	5.0	4.4	3.8	3.8	3.2	1.8	1.2	1.8	1.8	2.5
147.5°	3.8	3.8	3.2	3.2	2.5	1.8	0.6	1.2	1.2	1.2	1.8
150°	2.5	2.5	2.5	1.8	1.2	0.6	0.6	0.6	0.6	1.2	1.2
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.6	0.6	0.6	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
157.5°	0.0	0.0	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



REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	158.9	158.2	157.0	154.5	153.8	152.6	150.8	150.1	148.9	149.4	148.9
5°	160.2	158.9	154.5	152.0	148.9	147.0	145.1	143.9	142.6	142.0	141.4
7.5°	163.3	161.3	156.3	151.4	147.0	143.9	141.4	139.6	138.2	137.5	137.0
10°	171.4	169.0	161.3	154.5	147.6	143.2	140.1	138.2	137.0	137.0	137.0
12.5°	191.4	188.3	177.0	165.1	153.8	147.0	143.2	145.8	148.9	152.0	153.8
15°	220.1	216.5	202.6	185.7	169.0	158.9	159.5	164.6	168.3	172.0	172.6
17.5°	256.4	251.4	234.0	211.4	188.9	180.8	178.3	183.2	189.6	193.3	195.1
20°	301.4	295.2	272.7	241.5	218.9	207.0	201.4	203.3	210.3	216.5	217.1
22.5°	359.0	347.8	321.6	278.4	250.2	232.0	223.9	223.9	233.3	241.5	242.7
25°	432.2	421.6	379.6	325.3	284.0	256.4	247.0	248.9	261.4	272.0	273.3
27.5°	522.3	507.3	452.3	380.9	319.0	277.7	267.6	272.7	285.2	296.5	297.7
30°	629.9	606.1	536.0	441.0	353.5	299.0	283.3	289.6	300.9	312.7	312.7
32.5°	751.8	723.8	630.5	504.8	385.9	314.0	292.2	300.3	311.5	323.4	322.8
35°	883.8	851.3	728.6	569.2	415.3	324.6	296.5	305.8	319.0	333.3	333.3
37.5°	1017.6	984.5	827.5	626.7	436.0	325.9	297.7	311.5	329.0	342.1	340.9
40°	1127.8	1082.8	907.6	668.0	444.6	322.8	299.6	314.6	327.8	333.3	332.1
42.5°	1259.8	1202.2	987.0	689.3	439.1	317.1	300.3	310.9	317.1	317.1	314.6
45°	1419.3	1353.6	1085.8	711.9	424.7	310.9	297.0	303.4	303.4	298.4	294.6
47.5°	1612.5	1523.7	1190.3	731.8	410.3	305.3	294.0	296.5	289.6	282.1	279.6
50°	1837.7	1730.1	1305.4	746.2	396.6	300.9	292.7	291.5	286.5	278.9	276.4
52.5°	2045.4	1924.6	1424.8	757.5	382.2	299.0	292.7	292.7	287.7	277.1	274.6
55°	2249.8	2121.0	1520.6	751.2	366.6	299.6	295.2	296.5	289.6	278.9	276.4
57.5°	2507.6	2368.7	1634.4	739.9	350.2	300.9	297.7	299.0	292.7	282.8	280.2
60°	2686.4	2532.6	1715.7	722.4	335.3	300.9	299.0	300.9	299.0	294.0	292.2
62.5°	2792.7	2621.4	1724.4	682.5	324.0	298.4	297.7	304.0	308.3	306.5	304.7
65°	2872.9	2694.0	1705.1	630.5	310.9	291.5	294.6	304.7	312.2	312.7	312.2
67.5°	2810.9	2626.5	1611.2	569.8	295.2	282.8	289.0	300.3	311.5	315.2	314.6
70°	2620.8	2439.4	1449.9	495.4	277.1	269.0	277.7	292.7	304.7	308.9	307.8
72.5°	2229.9	2067.8	1227.8	424.0	255.7	250.9	260.2	277.7	287.7	290.2	288.3
75°	1845.8	1703.3	985.7	349.6	232.7	228.4	237.1	250.9	257.8	257.8	254.6
77.5°	1475.5	1342.9	776.3	290.2	208.9	203.9	212.1	220.1	221.5	217.1	213.9
80°	1159.0	1033.9	588.0	240.2	184.5	179.5	182.0	187.1	188.9	180.8	176.4
82.5°	898.8	786.8	441.6	199.0	160.7	154.5	156.3	158.9	159.5	149.4	144.4
85°	648.0	563.6	324.0	167.6	138.2	132.6	131.9	132.6	133.2	124.4	120.0
87.5°	444.6	385.9	237.1	140.7	119.4	113.8	112.5	112.0	112.0	102.6	98.3
90°	292.7	259.0	176.4	118.9	101.3	95.7	93.2	92.6	91.3	81.3	77.6
92.5°	190.1	173.9	130.7	97.6	83.8	78.7	75.7	73.9	71.9	62.5	58.8
95°	124.4	117.6	98.9	78.2	67.5	63.2	60.6	58.1	55.7	47.5	45.1
97.5°	88.2	85.7	76.9	63.2	53.7	50.7	48.8	46.9	45.1	38.1	36.9
100°	66.3	65.7	62.0	51.9	43.8	41.9	40.0	38.8	37.4	32.6	31.2
102.5°	51.3	51.9	50.7	42.5	36.9	35.1	33.8	32.6	31.9	28.2	27.6
105°	40.0	41.3	40.7	35.6	31.2	30.0	28.7	27.6	26.9	24.4	24.4
107.5°	31.2	32.6	33.1	29.4	26.9	25.6	24.4	23.2	23.2	21.9	21.9
110°	25.0	26.2	27.6	25.0	23.2	22.5	21.3	20.0	19.3	19.3	19.3



REPORT NUMBER: P254466

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	21.3	22.5	21.3	20.0	19.3	18.1	16.9	16.9	16.9	17.5
115°	16.9	18.1	18.8	18.1	17.5	17.5	15.7	14.4	13.7	15.0	15.0
117.5°	14.4	15.7	16.3	15.7	15.7	15.7	13.7	12.4	11.9	12.4	13.1
120°	12.4	13.1	13.7	13.7	13.7	13.7	12.4	10.6	10.1	11.3	11.3
122.5°	10.6	11.3	11.9	12.4	12.4	11.9	10.6	9.4	8.7	10.1	10.1
125°	9.4	10.1	10.6	11.3	11.3	10.6	9.4	8.0	7.5	8.7	8.7
127.5°	8.7	9.4	10.1	10.1	10.1	9.4	8.0	6.9	6.9	7.5	8.0
130°	8.7	8.7	9.4	9.4	8.7	8.0	6.9	5.7	5.7	6.9	6.9
132.5°	8.0	8.0	8.0	8.0	7.5	6.9	5.7	5.0	5.0	6.2	6.2
135°	6.9	6.9	6.9	6.9	6.2	5.7	5.0	3.8	4.4	5.0	5.0
137.5°	5.7	5.7	5.7	5.7	5.0	4.4	3.8	3.2	3.2	3.8	4.4
140°	4.4	5.0	5.0	4.4	3.8	3.8	2.5	1.8	2.5	3.2	3.2
142.5°	3.8	3.8	3.8	3.2	3.2	2.5	1.8	1.2	1.8	2.5	2.5
145°	3.2	3.2	3.2	3.2	2.5	1.2	0.6	0.6	1.2	1.2	1.2
147.5°	2.5	2.5	2.5	2.5	1.8	1.2	0.0	0.0	0.6	0.6	0.6
150°	1.8	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	0.6	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)