

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: P254844

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5146.1 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - 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

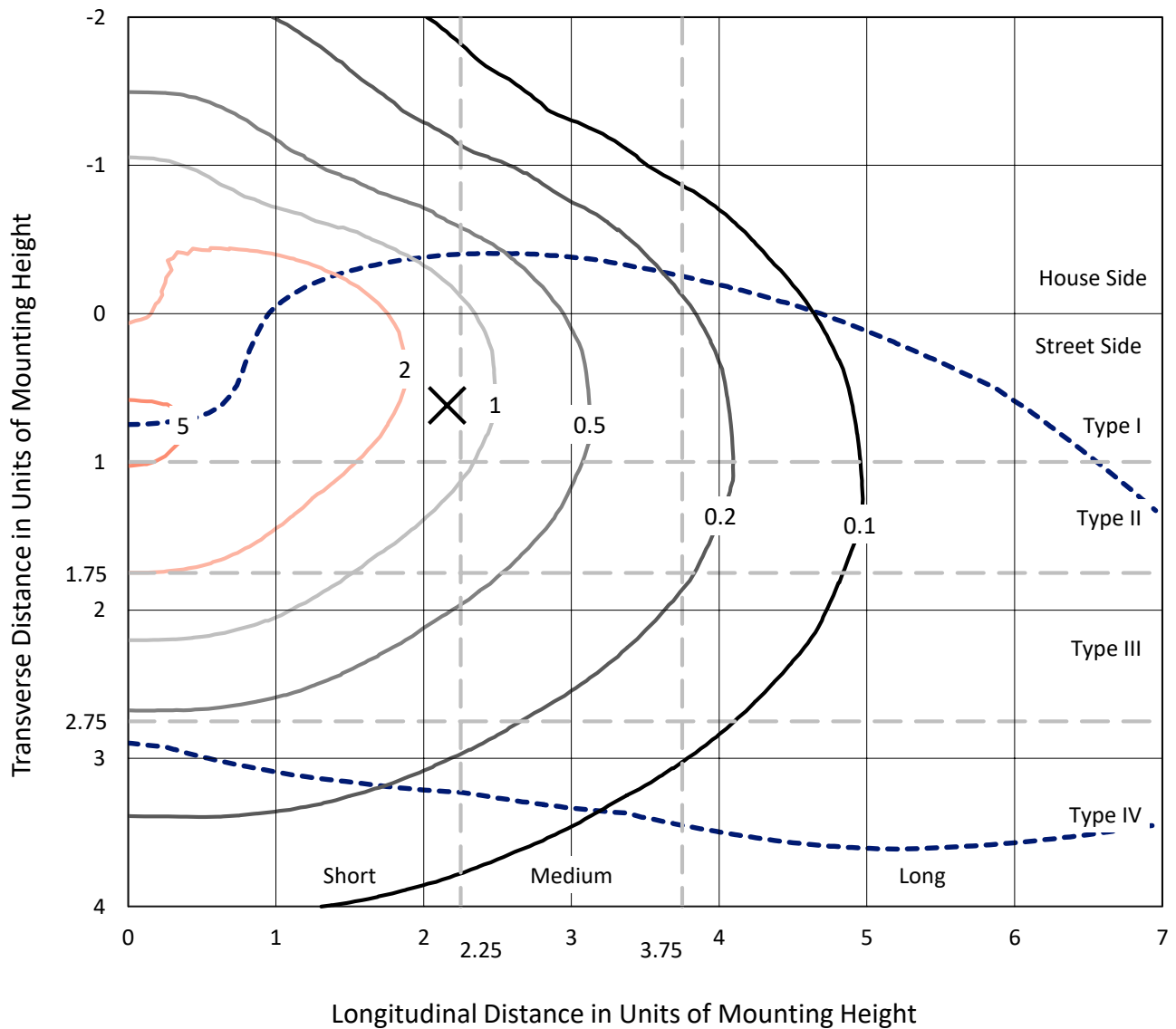


REPORT NUMBER: P254844

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

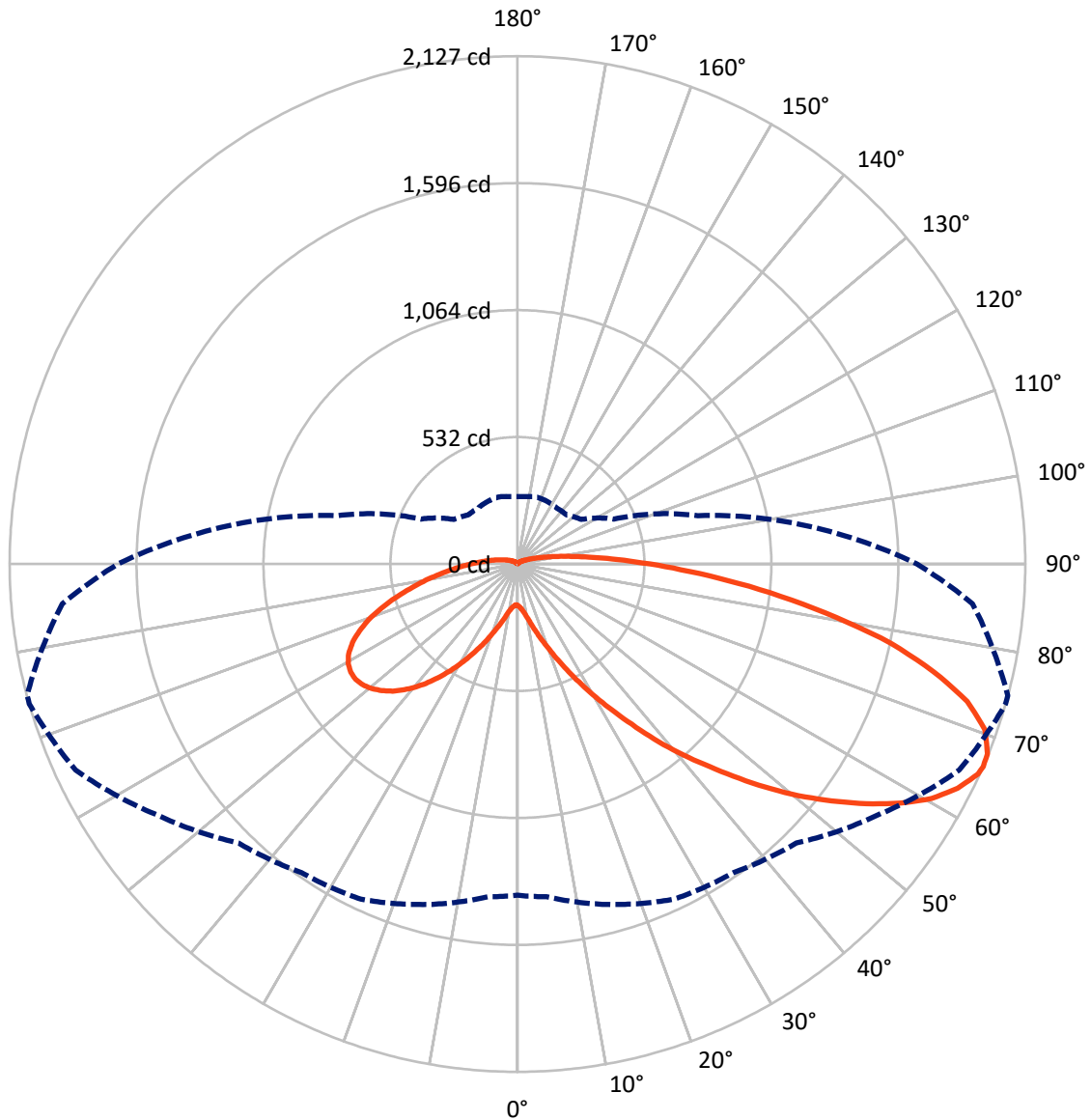


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254844

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

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P254844

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

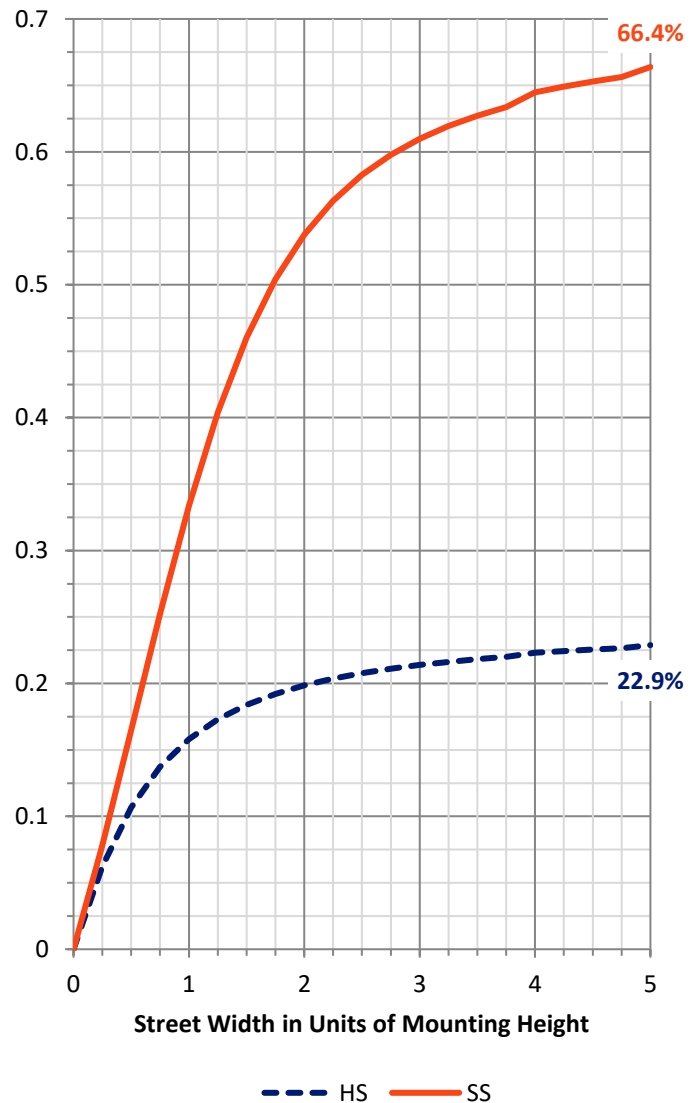
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1237.7	128.0	1365.7
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	3561.0	219.4	3780.4
	% Fixture	69.2	4.3	73.5
Total	Lumens	4798.8	347.3	5146.1
	% Fixture	93.3	6.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.4
10°-20°	77.9	1.5
20°-30°	199.9	3.9
30°-40°	404.8	7.9
40°-50°	685.3	13.3
50°-60°	971.8	18.9
60°-70°	1097.2	21.3
70°-80°	877.4	17.0
80°-90°	466.1	9.1
90°-100°	196.5	3.8
100°-110°	83.6	1.6
110°-120°	38.6	0.7
120°-130°	18.4	0.4
130°-140°	8.0	0.2
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4798.8	93.3
0°-180°	5146.1	100.0

Coefficient of Utilization



REPORT NUMBER: P254844

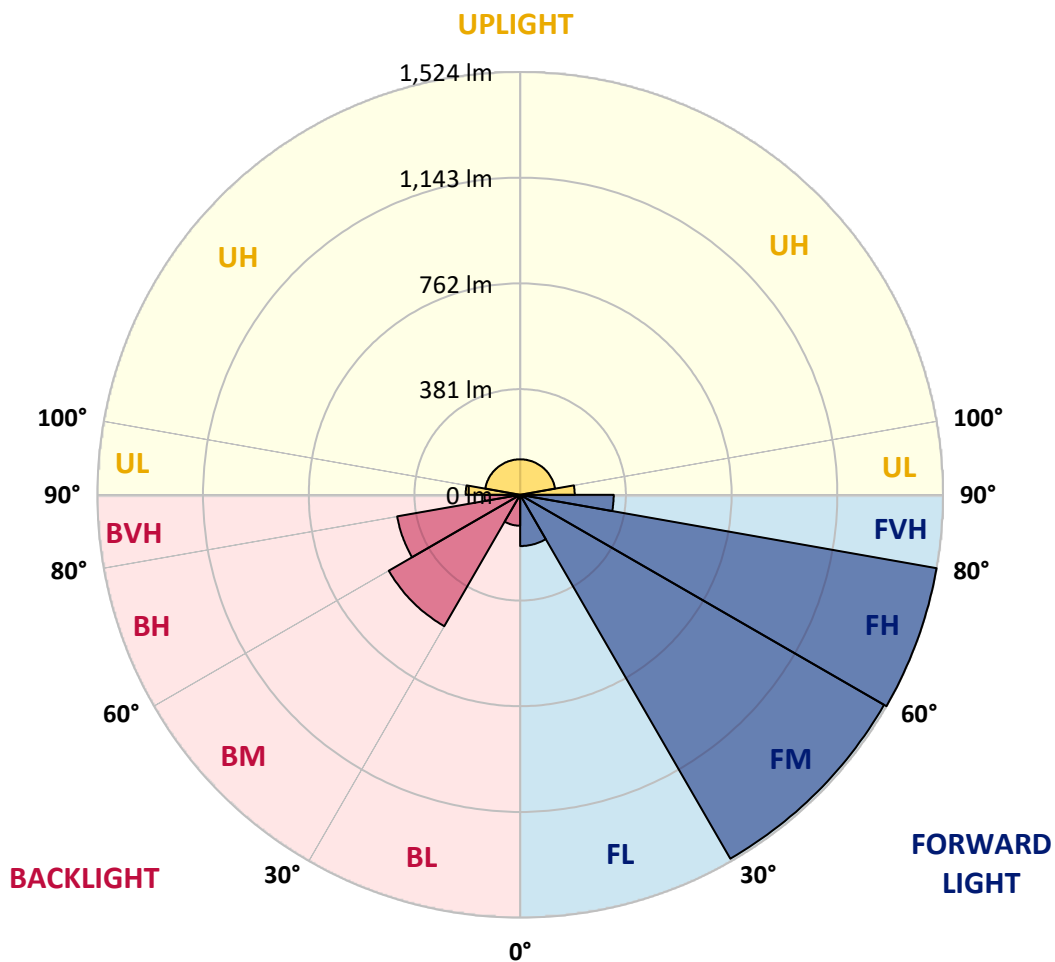
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.6	3.6			
FM	(30°-60°)	1514.7	29.4			
FH	(60°-80°)	1524.4	29.6			G1/1800
FVH	(80°-90°)	337.2	6.6			G3/500
BL	(0°-30°)	111.6	2.2	B1/500		
BM	(30°-60°)	547.2	10.6	B1/1000		
BH	(60°-80°)	450.2	8.7	B1/500		G1/500
BVH	(80°-90°)	128.9	2.5			G2/225
UL	(90°-100°)	196.5	3.8		U3/500	
UH	(100°-180°)	128.0	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P254844

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9
2.5°	189.6	190.7	189.6	188.9	187.6	187.1	184.5	181.4	179.5	178.8	176.4
5°	208.9	210.8	209.6	207.7	205.9	203.3	199.5	194.5	190.7	190.1	185.2
7.5°	232.7	235.2	233.3	230.9	227.7	224.0	218.3	212.1	206.4	205.2	199.0
10°	266.5	265.8	263.4	259.6	255.2	251.4	244.5	235.2	228.4	227.0	218.3
12.5°	304.7	304.7	300.9	295.2	289.0	283.3	276.4	265.8	258.3	256.4	245.9
15°	347.8	349.6	344.0	337.7	329.0	320.9	314.6	303.4	294.6	292.7	279.6
17.5°	398.5	399.2	392.8	384.7	374.6	367.2	357.9	346.0	335.9	334.0	317.7
20°	456.6	456.0	448.5	437.2	426.0	419.1	407.2	394.1	382.9	381.6	362.2
22.5°	523.0	517.9	512.3	497.9	488.5	475.4	462.8	447.9	437.2	435.4	414.7
25°	597.3	590.4	584.9	566.1	552.3	536.7	523.6	510.5	501.6	497.9	473.5
27.5°	681.2	676.8	665.5	642.5	621.1	601.7	591.7	579.2	569.8	567.9	542.9
30°	774.9	764.4	752.5	724.4	695.6	669.3	659.3	654.3	647.4	644.8	616.8
32.5°	868.2	867.6	850.0	814.4	776.9	747.5	738.0	735.7	729.3	730.0	696.2
35°	978.3	977.7	955.8	912.0	865.2	828.8	822.5	825.7	823.9	823.2	785.0
37.5°	1095.3	1092.8	1068.3	1015.2	957.0	915.7	911.3	922.0	930.2	924.6	880.1
40°	1215.9	1217.9	1184.7	1122.2	1054.1	1007.1	1004.5	1029.0	1037.8	1032.1	979.5
42.5°	1333.0	1331.7	1300.4	1236.0	1152.1	1102.1	1104.1	1136.0	1146.5	1144.1	1085.9
45°	1446.1	1445.0	1416.8	1341.7	1252.8	1198.5	1207.9	1246.6	1267.3	1267.3	1197.8
47.5°	1545.6	1544.4	1520.1	1443.7	1349.9	1294.8	1309.8	1362.4	1396.8	1392.4	1310.4
50°	1627.0	1625.1	1608.2	1538.2	1441.7	1389.2	1414.9	1483.0	1525.0	1515.7	1425.5
52.5°	1678.9	1681.4	1673.2	1614.5	1524.3	1476.8	1516.2	1602.0	1648.1	1644.5	1542.5
55°	1703.9	1705.1	1715.2	1669.5	1590.7	1554.4	1612.5	1716.4	1773.3	1768.4	1655.1
57.5°	1692.0	1695.7	1722.7	1698.9	1636.3	1618.2	1698.9	1822.1	1890.3	1891.0	1754.6
60°	1641.9	1652.0	1693.3	1698.9	1658.9	1659.4	1770.2	1916.0	1994.1	1989.7	1837.0
62.5°	1558.1	1570.6	1630.7	1661.4	1647.6	1678.2	1817.1	1989.1	2069.2	2072.3	1896.5
65°	1442.4	1454.4	1526.9	1588.2	1604.5	1667.7	1837.7	2035.4	2120.5	2119.8	1917.2
66°	1387.4	1399.3	1476.8	1549.4	1578.1	1652.5	1836.5	2042.3	2127.4	2126.7	1914.0
67.5°	1296.7	1309.8	1390.6	1478.8	1526.3	1619.4	1822.1	2038.6	2123.6	2122.4	1893.5
70°	1129.0	1144.1	1234.1	1331.7	1411.2	1533.8	1764.5	1995.9	2077.3	2071.0	1817.1
72.5°	954.0	969.5	1059.6	1163.4	1275.4	1420.5	1661.4	1897.9	1970.9	1962.9	1689.4
75°	782.6	797.5	886.3	992.1	1113.4	1271.7	1516.2	1742.6	1800.8	1800.3	1517.5
77.5°	626.2	639.2	718.7	823.9	946.4	1106.6	1338.0	1555.0	1602.5	1590.0	1313.0
80°	491.0	503.5	571.8	666.2	785.7	935.1	1142.9	1327.9	1353.6	1346.1	1097.2
82.5°	381.0	392.2	451.6	533.5	641.2	772.5	937.7	1099.0	1110.9	1102.8	888.2
85°	294.6	304.7	355.3	426.0	517.4	626.2	758.1	872.6	883.8	878.2	701.8
87.5°	228.4	235.2	277.7	337.2	414.1	502.3	601.2	689.3	684.9	679.3	542.9
90°	176.4	183.2	218.3	267.6	330.9	399.7	472.2	531.6	523.6	517.4	416.6
92.5°	137.0	142.0	172.6	213.9	265.2	317.7	369.1	407.2	396.6	392.2	317.7
95°	108.1	112.0	136.3	174.5	213.9	253.9	289.0	315.9	300.3	296.5	242.1
97.5°	87.0	89.5	110.2	140.7	173.9	204.6	228.4	239.6	227.7	224.5	184.5
100°	71.3	72.5	90.0	114.5	141.4	166.4	181.4	186.4	173.9	171.4	140.7
102.5°	58.8	60.1	74.4	96.3	117.6	135.2	144.4	147.6	131.9	130.1	108.8
105°	49.3	50.0	62.0	81.3	98.9	111.3	117.6	114.5	101.9	100.1	85.1
107.5°	42.5	43.1	51.9	69.4	83.8	93.2	96.9	92.6	79.4	77.6	66.9



REPORT NUMBER: P254844

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	36.9	36.9	44.4	58.8	71.3	79.4	80.8	73.9	62.5	61.3	53.7
112.5°	32.6	32.6	38.8	50.7	61.3	67.5	67.5	60.1	49.3	48.8	43.8
115°	29.4	29.4	33.8	43.8	53.2	58.1	57.0	48.8	40.0	39.5	36.3
117.5°	26.2	26.2	29.4	37.4	45.7	50.0	48.2	40.0	32.6	31.9	30.7
120°	23.8	23.8	26.2	31.9	39.5	42.5	40.7	33.1	26.9	26.2	25.6
122.5°	21.9	21.9	23.2	28.2	33.8	36.3	34.4	27.6	22.5	22.5	21.9
125°	20.0	20.0	21.3	24.4	28.7	31.2	28.7	22.5	18.8	18.8	19.3
127.5°	18.8	18.8	19.3	21.3	25.0	26.2	23.8	18.8	16.3	16.3	16.9
130°	16.9	16.9	17.5	18.8	20.6	21.9	19.3	15.7	14.4	13.7	14.4
132.5°	15.7	15.7	15.7	16.3	16.9	17.5	15.7	12.4	11.9	11.9	12.4
135°	13.7	14.4	13.7	13.7	13.7	13.7	11.9	10.1	10.1	10.1	10.6
137.5°	12.4	12.4	11.9	11.3	11.3	10.6	9.4	8.0	8.0	8.0	8.7
140°	10.6	10.6	10.6	9.4	8.0	7.5	6.2	6.2	6.9	6.9	7.5
142.5°	8.7	8.7	8.0	7.5	5.7	5.0	4.4	4.4	5.0	5.0	5.7
145°	6.9	6.9	6.2	5.0	3.8	2.5	2.5	2.5	3.2	3.2	3.8
147.5°	5.0	5.0	4.4	3.2	1.8	1.2	1.2	1.8	2.5	2.5	3.2
150°	3.2	3.2	2.5	1.8	0.6	0.0	0.6	1.2	1.8	1.8	2.5
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.8
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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: P254844

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9	173.9
2.5°	175.2	173.9	171.4	169.5	167.0	165.7	165.1	163.9	163.3	162.6	162.6
5°	182.7	180.2	175.8	171.4	167.6	163.9	162.0	160.2	158.2	157.0	157.0
7.5°	195.1	191.4	184.5	177.6	171.4	166.4	162.6	160.2	157.7	156.3	155.8
10°	212.6	207.7	198.3	188.9	180.2	172.6	167.6	164.6	162.0	160.2	159.5
12.5°	240.2	232.7	218.9	205.2	191.4	183.2	176.4	174.5	173.2	172.0	173.2
15°	272.0	262.7	245.9	227.7	210.8	197.6	192.1	190.7	189.6	188.9	188.9
17.5°	307.8	297.7	275.3	251.4	230.9	217.7	209.6	207.0	205.2	204.6	203.9
20°	350.9	337.7	308.9	278.4	253.9	239.6	228.4	224.0	222.1	222.1	222.1
22.5°	401.0	383.4	347.8	307.8	279.6	259.6	247.7	240.8	239.6	240.2	239.6
25°	457.2	436.0	390.3	340.9	304.0	278.9	264.0	257.8	255.8	257.1	257.1
27.5°	521.0	496.7	436.0	376.0	327.1	295.9	278.9	273.3	271.5	273.3	273.3
30°	588.0	560.5	483.5	409.0	347.1	309.6	290.8	286.5	284.6	286.5	287.2
32.5°	668.0	626.7	533.5	441.0	365.9	320.9	300.9	297.0	295.2	297.7	297.7
35°	750.6	700.0	583.6	470.4	381.0	329.0	307.8	304.7	303.4	305.9	305.9
37.5°	834.4	779.3	634.9	496.7	392.2	334.7	312.7	310.3	309.6	309.6	310.3
40°	926.4	857.5	683.6	517.9	400.3	337.7	315.9	312.7	312.2	311.5	311.5
42.5°	1021.5	933.3	727.4	534.2	404.0	338.3	315.9	314.0	313.3	310.9	310.3
45°	1119.1	1013.9	768.7	545.4	405.4	337.2	315.2	313.3	312.7	308.3	307.8
47.5°	1218.5	1091.5	802.5	550.4	402.2	334.7	313.3	311.5	310.3	303.4	303.4
50°	1316.7	1167.9	831.4	551.1	397.1	330.3	310.9	310.3	307.8	299.6	298.4
52.5°	1413.0	1239.8	852.6	546.8	389.1	325.9	308.3	308.3	305.3	296.5	295.2
55°	1503.7	1304.2	865.2	536.7	379.6	320.2	305.3	305.9	302.7	293.4	292.2
57.5°	1582.5	1357.3	867.0	521.7	369.1	314.6	302.1	303.4	301.4	290.8	289.6
60°	1645.7	1391.1	858.2	503.5	356.5	307.8	298.4	300.9	299.1	289.0	288.3
62.5°	1680.1	1404.3	836.3	481.1	344.0	301.4	293.4	297.7	296.5	286.5	285.8
65°	1682.6	1388.0	800.0	455.4	330.9	294.0	289.0	292.7	292.7	284.0	283.3
66°	1673.2	1371.8	781.9	445.3	325.3	290.8	286.5	290.8	291.5	283.3	282.1
67.5°	1643.8	1338.0	750.6	427.9	316.6	285.8	282.1	287.2	287.7	280.9	278.9
70°	1561.9	1255.4	693.7	399.2	302.1	275.9	274.0	278.9	280.2	274.6	272.7
72.5°	1436.2	1147.2	626.7	367.7	285.8	264.6	264.0	269.0	270.2	265.2	263.4
75°	1277.2	1005.1	553.0	337.2	268.3	252.1	251.4	255.2	257.1	253.4	250.2
77.5°	1095.9	859.5	480.4	305.9	250.9	237.6	237.6	240.8	241.5	237.6	234.6
80°	910.1	715.5	414.7	274.6	232.7	221.5	221.5	222.7	223.3	219.5	215.8
82.5°	735.7	583.6	351.5	244.5	212.1	203.3	202.6	202.6	202.0	199.0	194.5
85°	581.7	468.5	294.0	216.5	192.1	185.2	183.2	181.4	180.2	176.4	172.6
87.5°	454.7	372.8	247.7	190.1	172.0	166.4	163.9	161.3	158.2	153.8	148.9
90°	353.5	295.2	206.4	165.7	152.0	147.0	143.2	139.6	135.7	130.8	128.3
92.5°	274.0	233.3	172.6	142.6	133.2	129.5	125.7	120.7	115.7	110.7	108.1
95°	213.3	185.7	143.2	123.3	116.4	113.2	109.5	103.8	97.6	92.6	90.6
97.5°	166.4	147.6	119.4	106.3	101.9	98.3	94.4	88.8	82.0	76.3	75.1
100°	129.5	117.6	100.1	92.0	88.2	85.7	82.0	76.3	68.2	62.5	62.0
102.5°	102.6	94.4	83.8	79.4	76.9	74.4	70.7	65.0	57.0	50.7	50.7
105°	81.3	76.3	70.7	68.2	66.3	64.5	60.6	55.0	46.3	41.3	41.3
107.5°	65.7	62.0	59.4	58.1	57.6	55.7	52.6	46.3	38.1	33.8	33.8



REPORT NUMBER: P254844

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	53.2	51.3	50.0	50.0	49.3	48.8	45.1	38.8	31.2	27.6	28.2
112.5°	43.8	42.5	42.5	43.1	43.1	41.9	38.1	32.6	25.6	23.2	23.2
115°	36.3	35.6	36.3	36.9	37.4	36.3	32.6	26.9	20.6	19.3	19.3
117.5°	30.7	30.7	31.2	31.9	31.9	30.7	27.6	22.5	16.9	16.3	16.3
120°	26.2	26.2	26.2	26.9	27.6	26.2	23.2	18.1	13.7	13.7	13.7
122.5°	22.5	22.5	22.5	23.2	23.2	22.5	19.3	15.0	11.9	11.9	11.9
125°	19.3	19.3	19.3	20.0	20.0	18.8	15.7	12.4	10.1	10.1	10.1
127.5°	16.9	16.9	16.9	16.9	16.9	15.7	13.1	10.1	8.0	8.7	8.7
130°	15.0	15.0	14.4	14.4	13.7	13.1	10.6	8.0	6.9	7.5	7.5
132.5°	12.4	13.1	12.4	11.9	11.3	10.1	8.0	6.2	5.7	6.2	6.2
135°	10.6	11.3	10.6	9.4	8.7	8.0	6.2	5.0	5.0	5.0	5.0
137.5°	9.4	9.4	8.7	7.5	6.9	5.7	4.4	3.8	3.8	4.4	4.4
140°	7.5	7.5	6.9	5.7	5.0	3.8	2.5	2.5	3.2	3.2	3.2
142.5°	5.7	5.7	5.0	3.8	2.5	1.8	1.2	1.2	1.8	2.5	2.5
145°	3.8	3.8	3.8	2.5	1.8	0.6	0.0	0.6	1.2	1.2	1.2
147.5°	3.2	3.2	2.5	1.8	0.6	0.0	0.0	0.0	0.6	0.6	0.6
150°	2.5	2.5	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	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	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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)