

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: P266131

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266131
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-AF24-60-D-U-T3-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5341.2 lumens
Efficiency: N/A
Efficacy: 83.5 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): 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

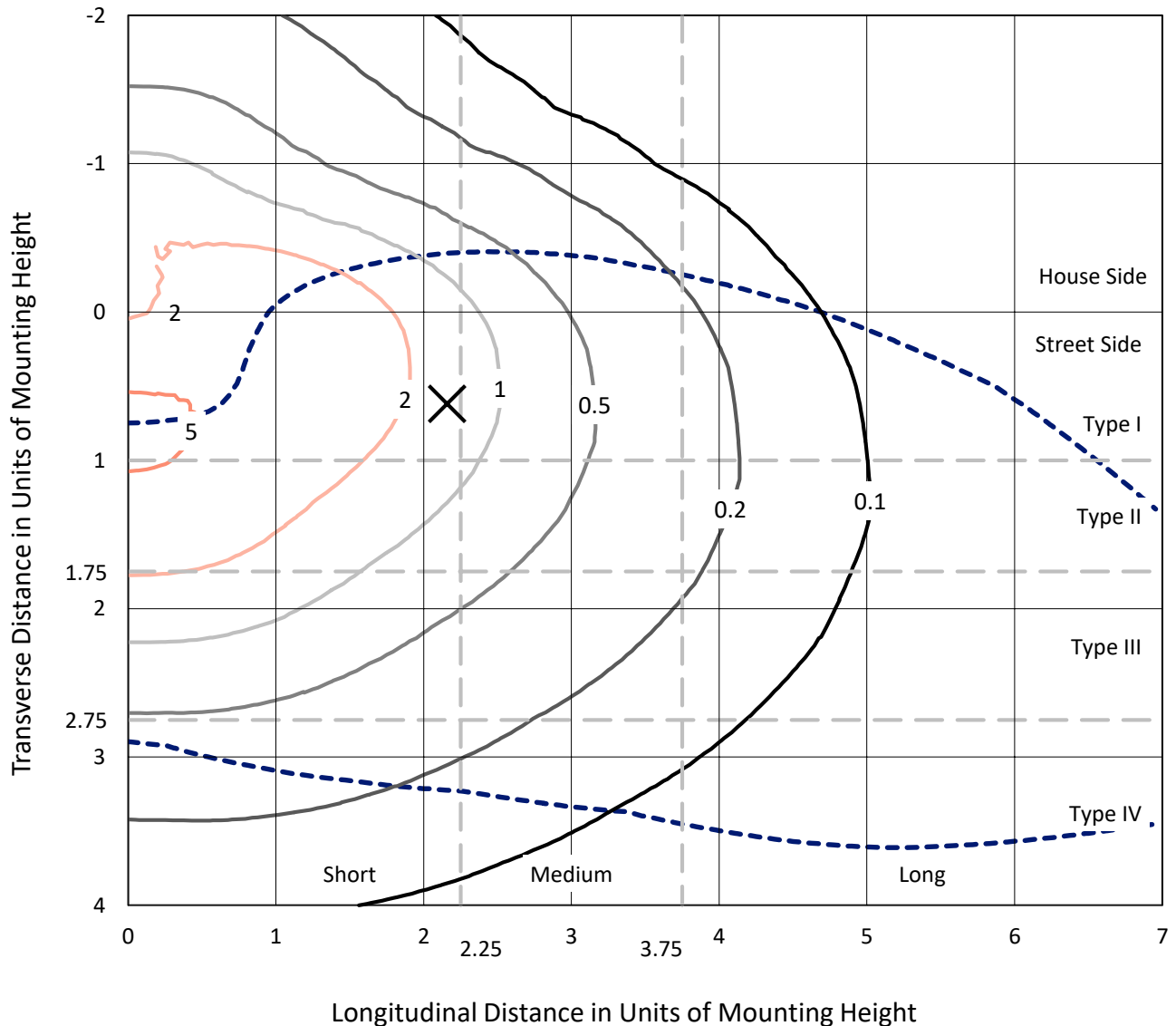


REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

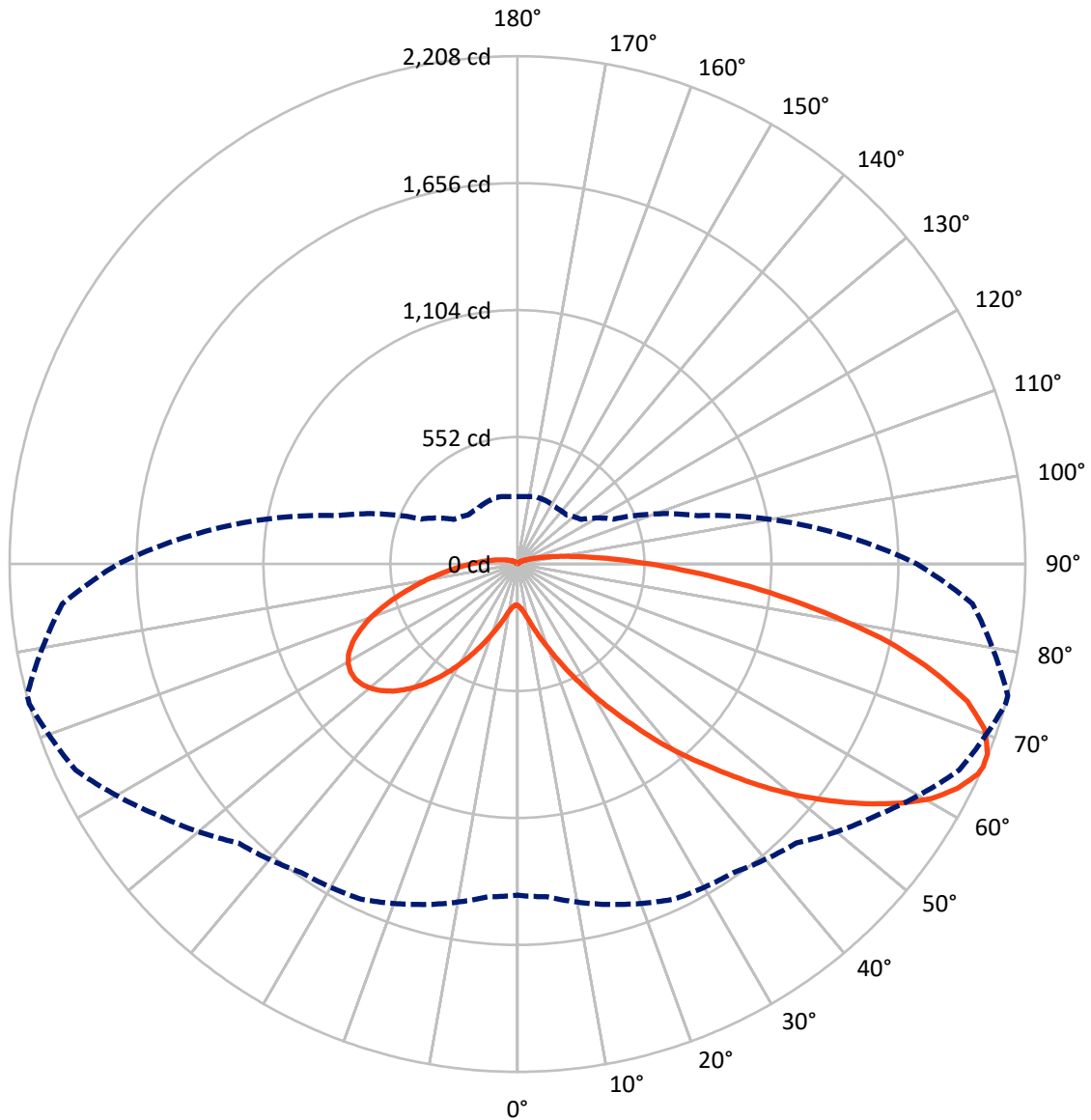


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

Luminous Intensity Polar Plot



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



REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

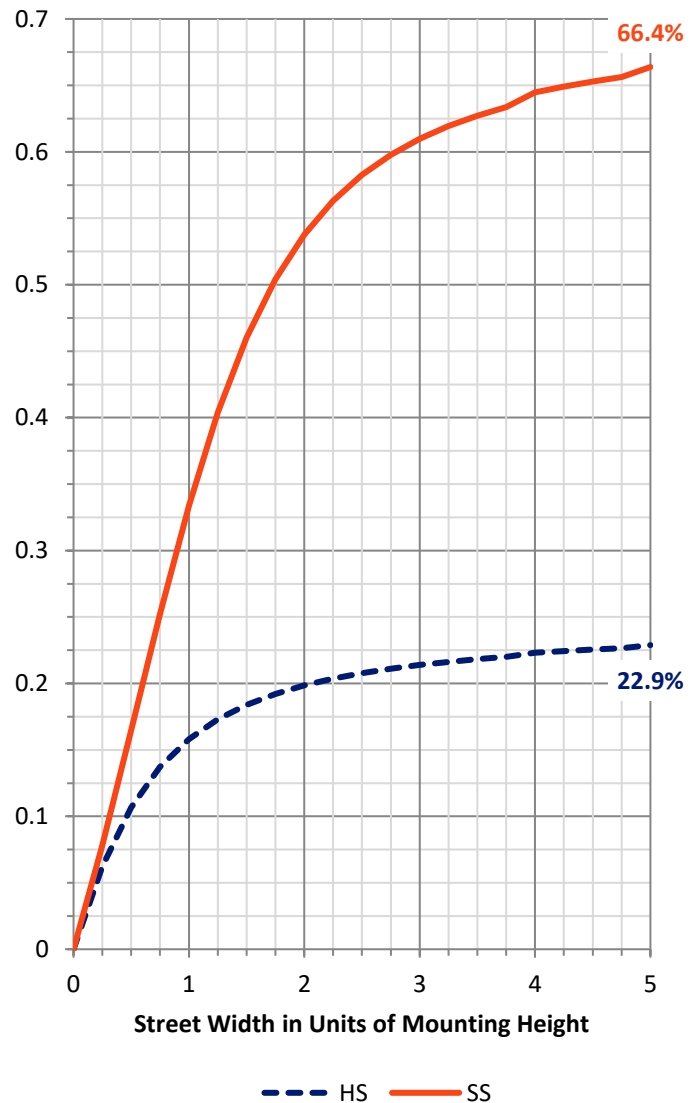
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1284.7	132.8	1417.5
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	3696.0	227.7	3923.7
	% Fixture	69.2	4.3	73.5
Total	Lumens	4980.7	360.5	5341.2
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.4
10°-20°	80.9	1.5
20°-30°	207.5	3.9
30°-40°	420.1	7.9
40°-50°	711.3	13.3
50°-60°	1008.6	18.9
60°-70°	1138.8	21.3
70°-80°	910.6	17.0
80°-90°	483.7	9.1
90°-100°	204.0	3.8
100°-110°	86.7	1.6
110°-120°	40.0	0.7
120°-130°	19.1	0.4
130°-140°	8.3	0.2
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4980.7	93.2
0°-180°	5341.2	100.0

Coefficient of Utilization



REPORT NUMBER: P266131

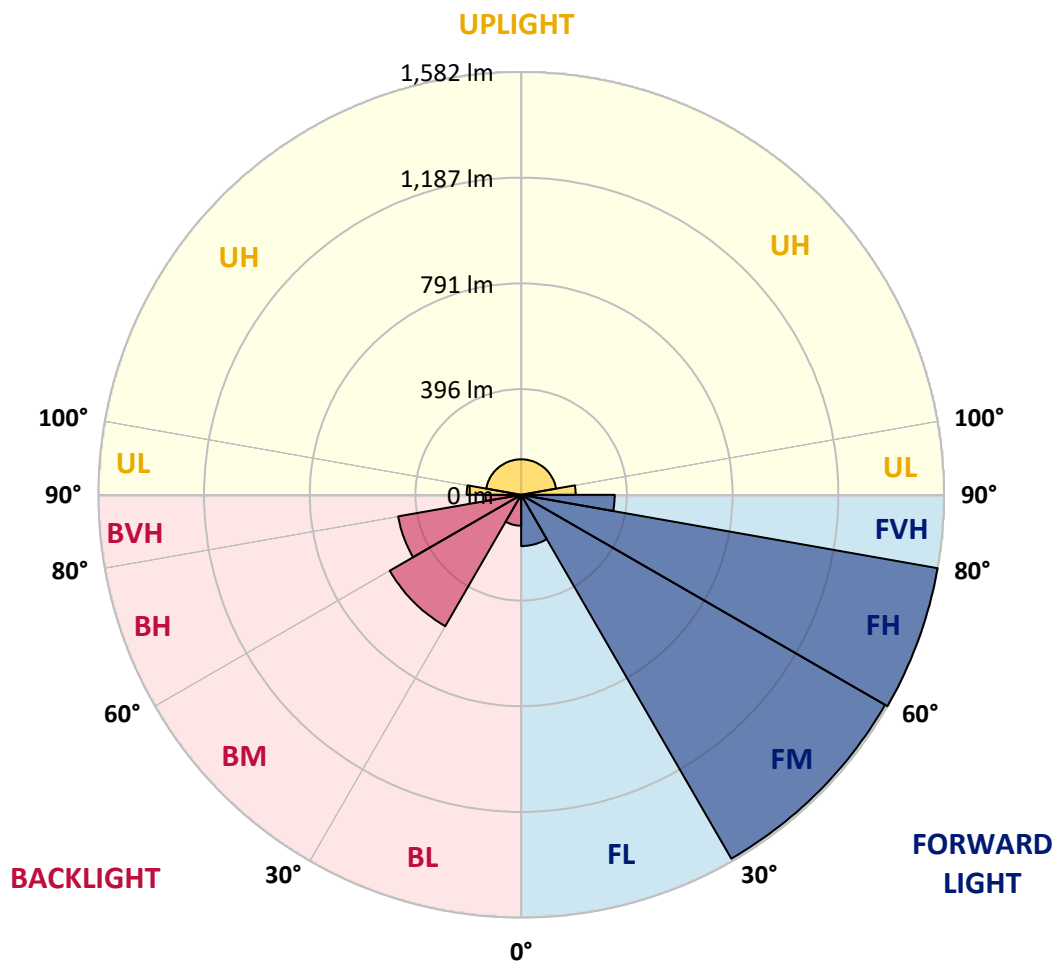
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.6	3.6			
FM	(30°-60°)	1572.2	29.4			
FH	(60°-80°)	1582.2	29.6			G1/1800
FVH	(80°-90°)	350.0	6.6			G3/500
BL	(0°-30°)	115.8	2.2	B1/500		
BM	(30°-60°)	567.9	10.6	B1/1000		
BH	(60°-80°)	467.2	8.7	B1/500		G1/500
BVH	(80°-90°)	133.8	2.5			G2/225
UL	(90°-100°)	204.0	3.8		U3/500	
UH	(100°-180°)	132.8	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5
2.5°	196.6	197.9	196.6	196.1	194.8	194.2	191.5	188.3	186.3	185.7	183.1
5°	216.9	218.7	217.5	215.6	213.5	211.0	207.1	201.8	197.9	197.4	192.1
7.5°	241.6	244.1	242.2	239.6	236.3	232.4	226.6	220.1	214.2	213.0	206.4
10°	276.6	275.9	273.4	269.4	264.9	261.0	253.9	244.1	237.0	235.6	226.6
12.5°	316.2	316.2	312.3	306.4	299.9	294.0	287.0	275.9	268.1	266.2	255.2
15°	360.9	362.9	357.0	350.6	341.4	333.0	326.5	314.9	305.9	303.8	290.2
17.5°	413.6	414.2	407.7	399.2	388.8	381.2	371.4	359.1	348.6	346.7	329.8
20°	473.9	473.2	465.5	453.9	442.1	435.0	422.7	409.0	397.3	396.1	375.9
22.5°	542.8	537.5	531.6	516.7	507.1	493.3	480.5	464.9	453.9	451.8	430.5
25°	620.0	612.9	607.1	587.5	573.3	556.9	543.5	529.8	520.7	516.7	491.5
27.5°	707.0	702.5	690.7	666.7	644.7	624.5	614.3	601.1	591.4	589.5	563.5
30°	804.4	793.4	781.0	751.8	722.0	694.7	684.2	679.1	671.9	669.3	640.1
32.5°	901.1	900.6	882.2	845.2	806.3	775.9	766.1	763.5	757.0	757.6	722.5
35°	1015.4	1014.7	992.0	946.5	897.9	860.2	853.7	857.0	855.0	854.4	814.8
37.5°	1136.7	1134.2	1108.9	1053.7	993.3	950.4	945.9	957.0	965.4	959.6	913.4
40°	1262.1	1264.0	1229.6	1164.7	1094.0	1045.3	1042.7	1067.9	1077.1	1071.1	1016.7
42.5°	1383.5	1382.2	1349.8	1282.9	1195.9	1143.9	1145.9	1178.9	1190.1	1187.4	1127.1
45°	1501.0	1499.7	1470.4	1392.6	1300.3	1244.0	1253.7	1293.9	1315.3	1315.3	1243.3
47.5°	1604.3	1602.9	1577.7	1498.5	1401.0	1343.9	1359.5	1414.0	1449.8	1445.2	1360.2
50°	1688.6	1686.7	1669.1	1596.5	1496.4	1441.9	1468.5	1539.3	1582.9	1573.0	1479.6
52.5°	1742.5	1745.0	1736.7	1675.7	1582.2	1532.8	1573.7	1662.7	1710.7	1706.8	1601.0
55°	1768.6	1769.8	1780.3	1732.8	1650.9	1613.4	1673.7	1781.5	1840.5	1835.3	1717.9
57.5°	1756.1	1760.0	1787.9	1763.4	1698.3	1679.6	1763.4	1891.2	1962.0	1962.5	1821.0
60°	1704.3	1714.7	1757.4	1763.4	1721.7	1722.4	1837.4	1988.6	2069.8	2065.2	1906.7
62.5°	1617.2	1630.2	1692.5	1724.3	1710.1	1741.9	1886.0	2064.6	2147.7	2150.9	1968.5
65°	1497.1	1509.4	1584.8	1648.4	1665.3	1730.9	1907.5	2112.5	2200.8	2200.2	1989.8
66°	1440.0	1452.3	1532.8	1608.1	1638.0	1715.3	1906.2	2119.7	2208.0	2207.3	1986.6
67.5°	1345.8	1359.5	1443.2	1534.8	1584.2	1680.9	1891.2	2115.8	2204.1	2202.9	1965.2
70°	1171.8	1187.4	1281.0	1382.2	1464.6	1591.8	1831.5	2071.8	2156.1	2149.6	1886.0
72.5°	990.0	1006.3	1099.7	1207.5	1323.7	1474.4	1724.3	1969.8	2045.7	2037.3	1753.5
75°	812.2	827.8	920.0	1029.6	1155.6	1319.9	1573.7	1808.7	1869.2	1868.5	1575.0
77.5°	649.8	663.5	746.0	855.0	982.2	1148.5	1388.7	1614.0	1663.3	1650.4	1362.6
80°	509.7	522.6	593.4	691.4	815.4	970.6	1186.1	1378.3	1404.9	1397.1	1138.7
82.5°	395.3	407.0	468.7	553.7	665.5	801.7	973.1	1140.7	1153.1	1144.6	921.9
85°	305.9	316.2	368.8	442.1	536.8	649.8	786.8	905.8	917.3	911.5	728.4
87.5°	237.0	244.1	288.3	349.9	429.7	521.3	624.0	715.4	710.9	705.1	563.5
90°	183.1	190.3	226.6	277.8	343.4	414.8	490.1	551.9	543.5	536.8	432.4
92.5°	142.2	147.4	179.2	222.1	275.3	329.8	383.0	422.7	411.7	407.0	329.8
95°	112.3	116.2	141.6	181.2	222.1	263.7	299.9	327.8	311.6	307.7	251.3
97.5°	90.2	92.9	114.3	146.1	180.5	212.3	237.0	248.7	236.3	233.1	191.5
100°	74.0	75.3	93.6	118.8	146.8	172.7	188.3	193.4	180.5	177.9	146.1
102.5°	61.1	62.3	77.3	100.0	122.1	140.2	149.9	153.3	137.0	135.0	112.9
105°	51.4	51.9	64.3	84.4	102.5	115.5	122.1	118.8	105.8	103.8	88.4
107.5°	44.1	44.7	53.9	72.0	87.0	96.7	100.6	96.1	82.5	80.5	69.4



REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	38.3	38.3	46.2	61.1	74.0	82.5	83.7	76.6	64.9	63.6	55.9
112.5°	33.7	33.7	40.2	52.6	63.6	70.1	70.1	62.3	51.4	50.7	45.5
115°	30.5	30.5	35.0	45.5	55.2	60.4	59.1	50.7	41.5	41.0	37.6
117.5°	27.3	27.3	30.5	38.9	47.4	51.9	49.9	41.5	33.7	33.1	31.8
120°	24.7	24.7	27.3	33.1	41.0	44.1	42.2	34.5	27.8	27.3	26.6
122.5°	22.7	22.7	24.1	29.3	35.0	37.6	35.8	28.6	23.4	23.4	22.7
125°	20.8	20.8	22.1	25.3	29.9	32.5	29.9	23.4	19.5	19.5	20.1
127.5°	19.5	19.5	20.1	22.1	26.1	27.3	24.7	19.5	16.9	16.9	17.5
130°	17.5	17.5	18.1	19.5	21.4	22.7	20.1	16.2	14.9	14.4	14.9
132.5°	16.2	16.2	16.2	16.9	17.5	18.1	16.2	12.9	12.3	12.3	12.9
135°	14.4	14.9	14.4	14.4	14.4	14.4	12.3	10.4	10.4	10.4	11.0
137.5°	12.9	12.9	12.3	11.7	11.7	11.0	9.7	8.4	8.4	8.4	9.2
140°	11.0	11.0	11.0	9.7	8.4	7.7	6.5	6.5	7.1	7.1	7.7
142.5°	9.2	9.2	8.4	7.7	5.8	5.2	4.5	4.5	5.2	5.2	5.8
145°	7.1	7.1	6.5	5.2	4.0	2.5	2.5	2.5	3.2	3.2	4.0
147.5°	5.2	5.2	4.5	3.2	1.9	1.3	1.3	1.9	2.5	2.5	3.2
150°	3.2	3.2	2.5	1.9	0.7	0.0	0.7	1.3	1.9	1.9	2.5
152.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.7	1.3	1.3	1.9
155°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5	180.5
2.5°	181.7	180.5	177.9	176.0	173.4	172.0	171.3	170.0	169.4	168.8	168.8
5°	189.6	186.9	182.4	177.9	174.0	170.0	168.2	166.1	164.3	163.0	163.0
7.5°	202.6	198.6	191.5	184.4	177.9	172.7	168.8	166.1	163.6	162.4	161.7
10°	220.8	215.6	205.8	196.1	186.9	179.2	174.0	170.8	168.2	166.1	165.6
12.5°	249.3	241.6	227.2	213.0	198.6	190.3	183.1	181.2	179.8	178.6	179.8
15°	282.3	272.6	255.2	236.3	218.7	205.2	199.3	197.9	196.6	196.1	196.1
17.5°	319.3	309.0	285.7	261.0	239.6	226.0	217.5	214.9	213.0	212.3	211.6
20°	364.3	350.6	320.8	289.0	263.7	248.7	237.0	232.4	230.4	230.4	230.4
22.5°	416.2	397.9	360.9	319.3	290.2	269.4	257.1	250.0	248.7	249.3	248.7
25°	474.6	452.4	405.1	353.8	315.6	289.6	274.0	267.4	265.4	266.8	266.8
27.5°	540.8	515.4	452.4	390.1	339.6	307.1	289.6	283.8	281.8	283.8	283.8
30°	610.3	581.7	501.9	424.5	360.3	321.4	301.9	297.3	295.5	297.3	298.0
32.5°	693.4	650.6	553.7	457.6	379.9	333.0	312.3	308.4	306.4	309.0	309.0
35°	779.1	726.5	605.7	488.1	395.3	341.4	319.3	316.2	314.9	317.6	317.6
37.5°	866.1	809.0	658.9	515.4	407.0	347.4	324.6	322.0	321.4	321.4	322.0
40°	961.5	890.1	709.7	537.5	415.5	350.6	327.8	324.6	324.0	323.3	323.3
42.5°	1060.2	968.6	755.0	554.4	419.4	351.2	327.8	325.9	325.2	322.8	322.0
45°	1161.5	1052.4	798.0	566.1	420.6	349.9	327.3	325.2	324.6	320.1	319.3
47.5°	1264.6	1132.9	833.0	571.3	417.4	347.4	325.2	323.3	322.0	314.9	314.9
50°	1366.6	1212.2	862.8	572.0	412.2	342.9	322.8	322.0	319.3	311.0	309.6
52.5°	1466.7	1286.7	884.9	567.4	403.8	338.2	320.1	320.1	316.8	307.7	306.4
55°	1560.7	1353.7	897.9	556.9	394.0	332.5	316.8	317.6	314.2	304.4	303.2
57.5°	1642.6	1408.8	899.8	541.5	383.0	326.5	313.6	314.9	312.9	301.9	300.7
60°	1708.0	1443.8	890.7	522.6	370.0	319.3	309.6	312.3	310.4	299.9	299.2
62.5°	1743.8	1457.5	868.0	499.3	357.0	312.9	304.4	309.0	307.7	297.3	296.7
65°	1746.5	1440.6	830.4	472.7	343.4	305.2	299.9	303.8	303.8	294.7	294.0
66°	1736.7	1423.8	811.4	462.3	337.7	301.9	297.3	301.9	302.5	294.0	292.8
67.5°	1706.2	1388.7	779.1	444.0	328.5	296.7	292.8	298.0	298.6	291.5	289.6
70°	1621.1	1303.0	720.0	414.2	313.6	286.3	284.4	289.6	290.8	285.0	283.1
72.5°	1490.6	1190.7	650.6	381.7	296.7	274.6	274.0	279.2	280.5	275.3	273.4
75°	1325.7	1043.3	573.8	349.9	278.6	261.6	261.0	264.9	266.8	262.9	259.7
77.5°	1137.4	892.0	498.6	317.6	260.4	246.8	246.8	250.0	250.5	246.8	243.5
80°	944.6	742.7	430.5	285.0	241.6	229.8	229.8	231.1	231.8	227.9	223.9
82.5°	763.5	605.7	364.8	253.9	220.1	211.0	210.4	210.4	209.8	206.4	201.8
85°	603.8	486.3	305.2	224.7	199.3	192.1	190.3	188.3	186.9	183.1	179.2
87.5°	472.0	386.9	257.1	197.4	178.6	172.7	170.0	167.5	164.3	159.7	154.5
90°	366.8	306.4	214.2	172.0	157.7	152.5	148.7	144.7	140.9	135.6	133.0
92.5°	284.4	242.2	179.2	148.0	138.2	134.3	130.6	125.4	120.2	115.0	112.3
95°	221.4	192.9	148.7	127.9	120.7	117.5	113.6	107.7	101.2	96.1	94.1
97.5°	172.7	153.3	124.0	110.4	105.8	102.0	98.1	92.2	85.1	79.2	78.0
100°	134.3	122.1	103.8	95.4	91.5	88.9	85.1	79.2	70.7	64.9	64.3
102.5°	106.4	98.1	87.0	82.5	79.9	77.3	73.3	67.6	59.1	52.6	52.6
105°	84.4	79.2	73.3	70.7	68.8	66.8	63.1	57.1	48.0	42.8	42.8
107.5°	68.2	64.3	61.7	60.4	59.7	57.9	54.5	48.0	39.5	35.0	35.0



REPORT NUMBER: P266131

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	55.2	53.2	51.9	51.9	51.4	50.7	46.7	40.2	32.5	28.6	29.3
112.5°	45.5	44.1	44.1	44.7	44.7	43.5	39.5	33.7	26.6	24.1	24.1
115°	37.6	37.0	37.6	38.3	38.9	37.6	33.7	27.8	21.4	20.1	20.1
117.5°	31.8	31.8	32.5	33.1	33.1	31.8	28.6	23.4	17.5	16.9	16.9
120°	27.3	27.3	27.3	27.8	28.6	27.3	24.1	18.9	14.4	14.4	14.4
122.5°	23.4	23.4	23.4	24.1	24.1	23.4	20.1	15.6	12.3	12.3	12.3
125°	20.1	20.1	20.1	20.8	20.8	19.5	16.2	12.9	10.4	10.4	10.4
127.5°	17.5	17.5	17.5	17.5	17.5	16.2	13.7	10.4	8.4	9.2	9.2
130°	15.6	15.6	14.9	14.9	14.4	13.7	11.0	8.4	7.1	7.7	7.7
132.5°	12.9	13.7	12.9	12.3	11.7	10.4	8.4	6.5	5.8	6.5	6.5
135°	11.0	11.7	11.0	9.7	9.2	8.4	6.5	5.2	5.2	5.2	5.2
137.5°	9.7	9.7	9.2	7.7	7.1	5.8	4.5	4.0	4.0	4.5	4.5
140°	7.7	7.7	7.1	5.8	5.2	4.0	2.5	2.5	3.2	3.2	3.2
142.5°	5.8	5.8	5.2	4.0	2.5	1.9	1.3	1.3	1.9	2.5	2.5
145°	4.0	4.0	4.0	2.5	1.9	0.7	0.0	0.7	1.3	1.3	1.3
147.5°	3.2	3.2	2.5	1.9	0.7	0.0	0.0	0.0	0.7	0.7	0.7
150°	2.5	2.5	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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)