

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: P254900

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-T4W-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6646.3 lumens
Efficiency: N/A
Efficacy: 89.8 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: B2 - U3 - G4

Input Watts (W): 74
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

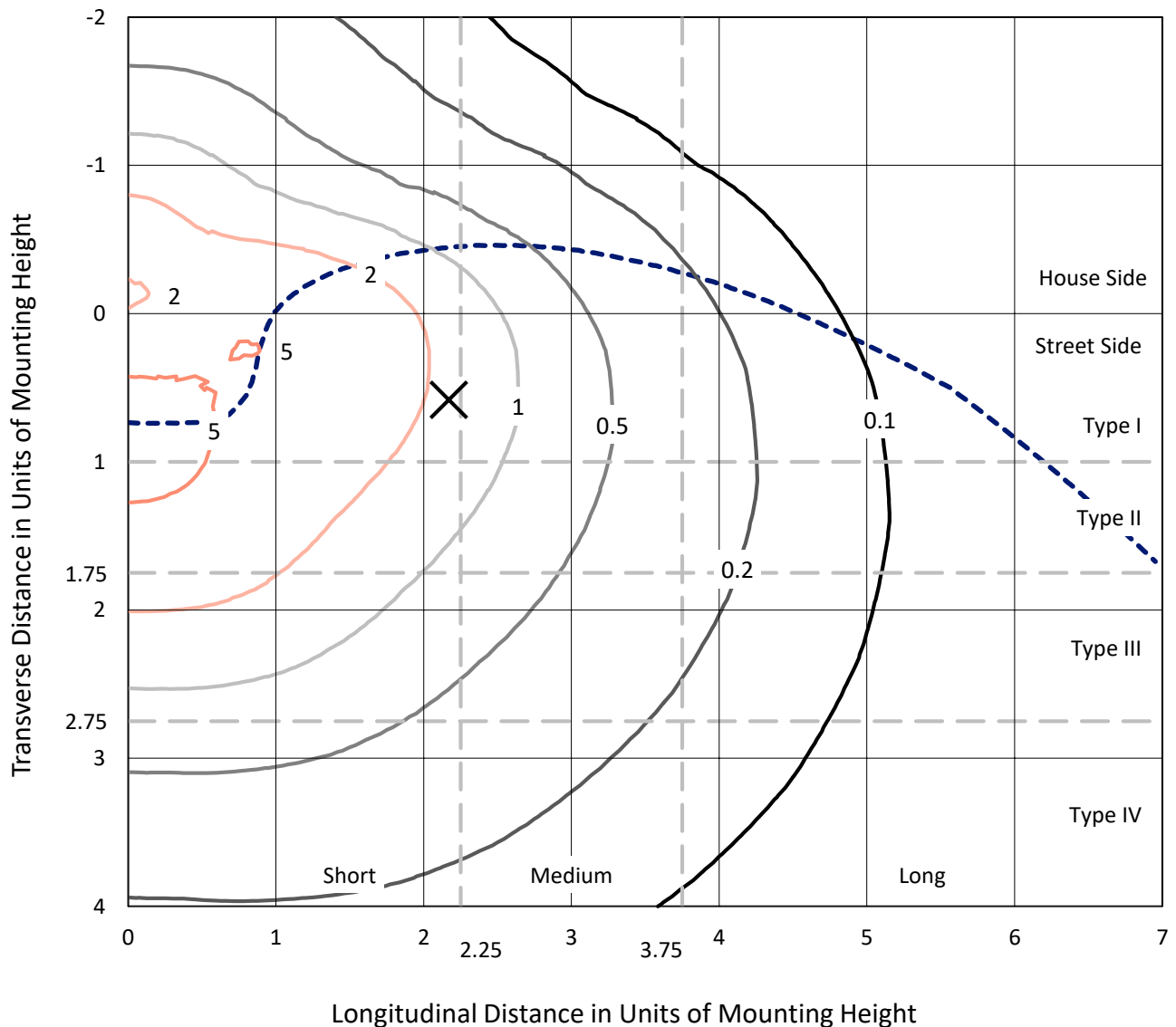


REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

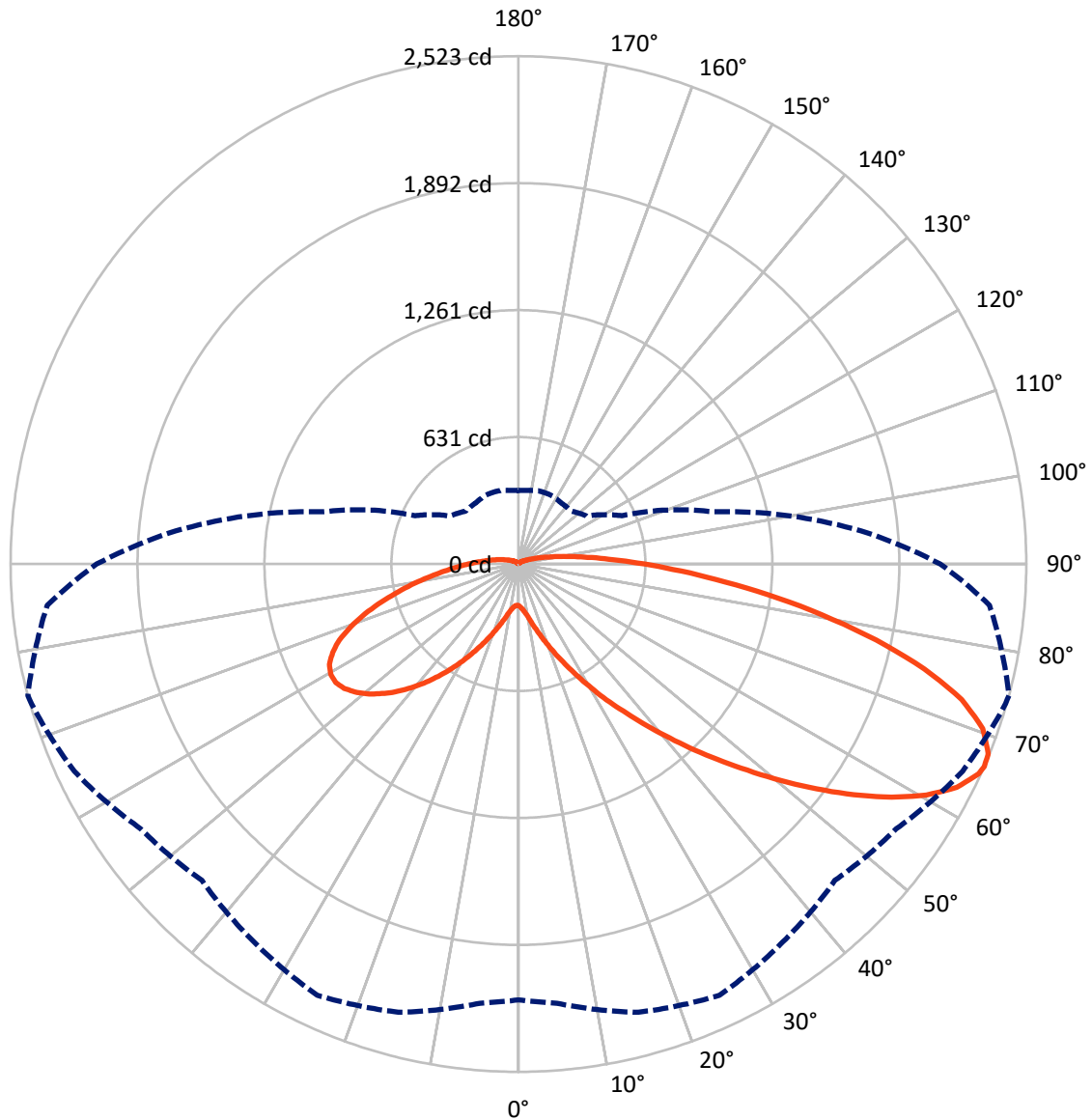


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

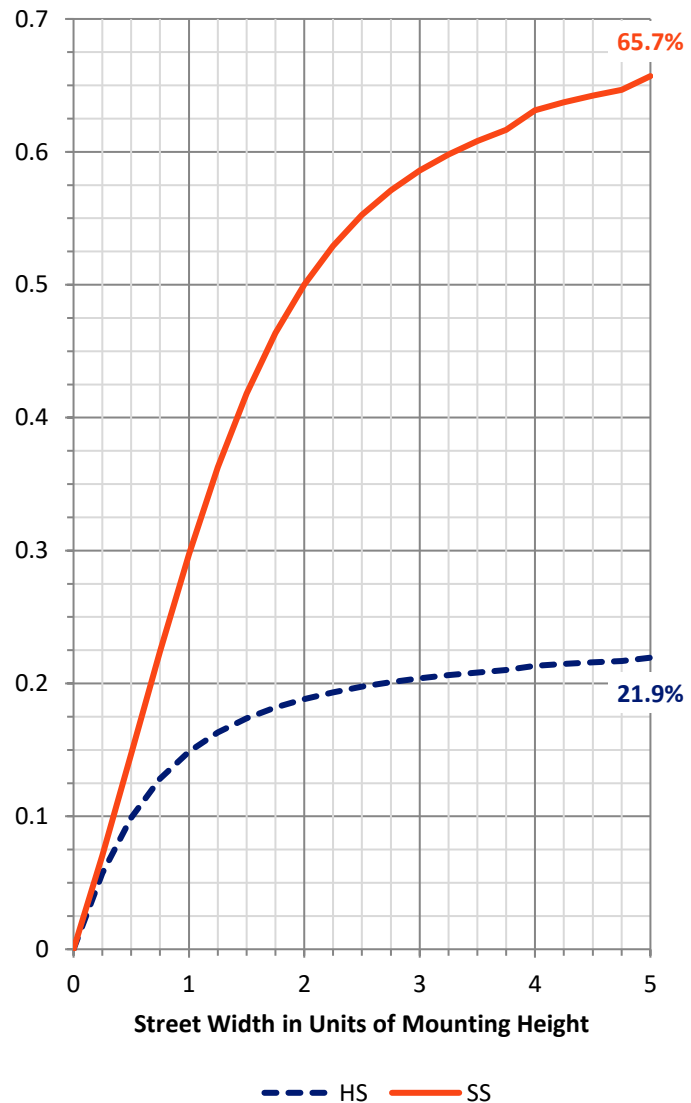
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1540.1	166.0	1706.1
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	4618.2	322.0	4940.2
	% Fixture	69.5	4.8	74.3
Total	Lumens	6158.3	487.9	6646.3
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.3
10°-20°	92.1	1.4
20°-30°	232.9	3.5
30°-40°	465.9	7.0
40°-50°	792.2	11.9
50°-60°	1178.8	17.7
60°-70°	1447.4	21.8
70°-80°	1244.7	18.7
80°-90°	682.4	10.3
90°-100°	284.7	4.3
100°-110°	116.3	1.8
110°-120°	51.3	0.8
120°-130°	23.4	0.4
130°-140°	9.7	0.1
140°-150°	2.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6158.3	92.7
0°-180°	6646.3	100.0

Coefficient of Utilization



REPORT NUMBER: P254900

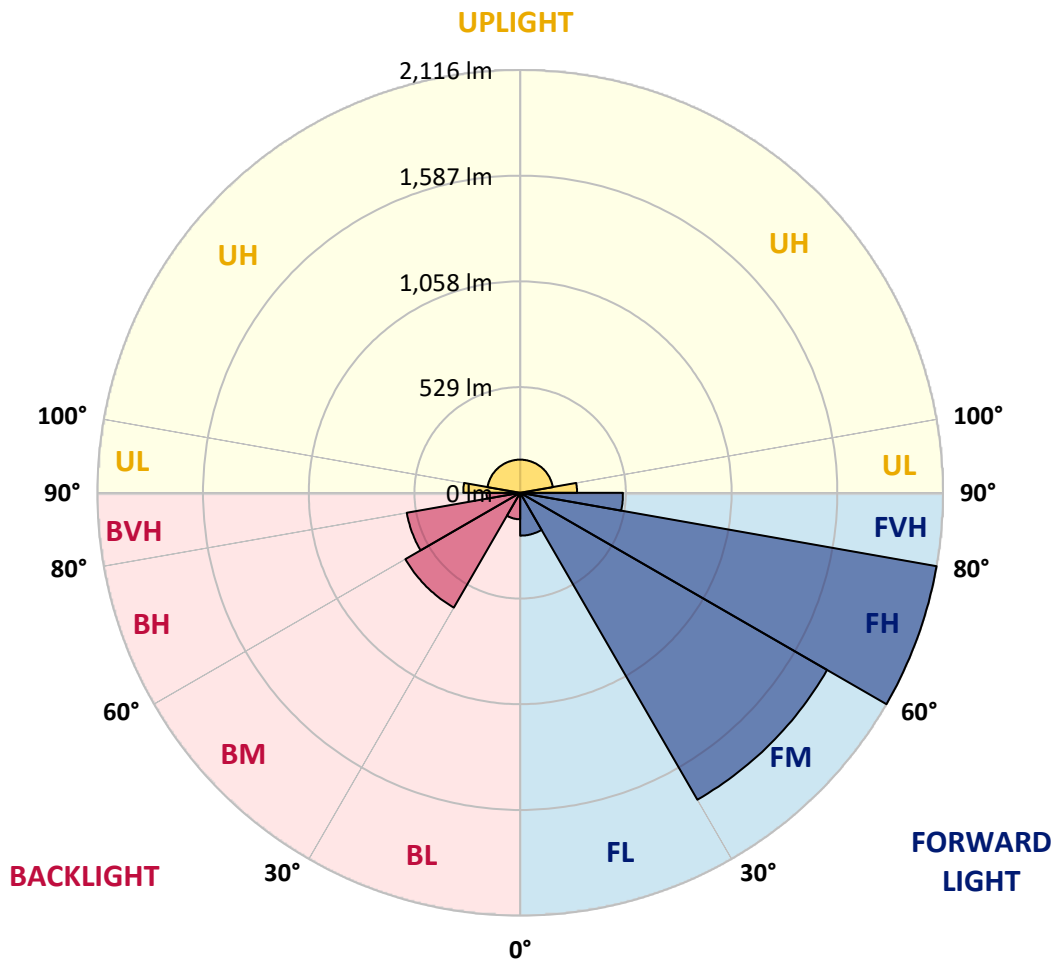
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.4	3.2			
FM	(30°-60°)	1773.5	26.7			
FH	(60°-80°)	2116.1	31.8			G2/5000
FVH	(80°-90°)	514.2	7.7			G4/750
BL	(0°-30°)	132.5	2.0	B1/500		
BM	(30°-60°)	663.4	10.0	B1/1000		
BH	(60°-80°)	576.0	8.7	B2/1000		G2/1000
BVH	(80°-90°)	168.2	2.5			G2/225
UL	(90°-100°)	284.7	4.3		U3/500	
UH	(100°-180°)	166.0	2.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	228.6	228.6	227.7	227.7	225.3	222.9	221.2	217.2	214.8	214.8	211.5
5°	252.8	252.8	252.1	250.4	247.2	243.1	238.3	232.6	227.7	226.9	221.2
7.5°	282.9	282.9	281.3	277.9	273.1	267.4	260.9	252.8	245.7	243.9	235.9
10°	320.1	320.1	317.7	312.8	306.4	299.1	290.1	278.8	269.1	268.2	256.9
12.5°	367.1	364.7	363.1	355.0	346.1	336.3	325.8	312.1	302.3	302.3	287.0
15°	420.6	420.6	414.1	403.6	392.2	379.2	367.9	354.1	342.8	342.0	324.2
17.5°	479.7	479.0	471.7	458.7	443.3	430.4	415.7	400.3	387.5	387.5	366.3
20°	547.8	546.2	536.5	519.5	500.9	486.3	470.1	452.3	438.4	438.4	414.9
22.5°	625.6	622.4	610.2	586.7	568.1	547.1	528.4	510.6	496.0	497.5	470.9
25°	713.1	709.1	693.7	663.8	637.0	611.9	593.3	574.6	564.1	560.1	538.1
27.5°	812.1	803.9	786.8	748.9	710.7	679.9	660.5	646.7	637.0	633.8	608.7
30°	920.6	912.6	889.1	841.2	791.0	752.1	733.4	722.9	718.1	714.0	688.9
32.5°	1044.6	1035.8	1003.3	943.4	878.6	830.0	812.1	807.2	807.2	803.9	778.8
35°	1179.2	1167.9	1128.9	1053.6	971.8	913.4	896.4	898.7	899.6	897.1	876.0
37.5°	1322.7	1310.4	1264.2	1174.3	1072.2	1002.6	985.5	996.9	1013.1	1004.1	982.2
40°	1470.2	1458.8	1409.3	1299.9	1177.6	1095.8	1078.7	1101.5	1127.3	1120.0	1095.8
42.5°	1616.8	1612.0	1549.6	1432.8	1290.3	1193.7	1181.6	1216.5	1252.1	1247.3	1220.5
45°	1776.4	1762.0	1701.1	1570.6	1411.0	1307.3	1293.4	1340.5	1389.1	1384.2	1357.4
47.5°	1919.9	1906.1	1848.6	1710.0	1532.6	1420.0	1411.0	1474.2	1535.7	1530.0	1503.4
50°	2040.6	2039.1	1990.4	1847.0	1660.6	1537.4	1536.6	1616.1	1691.5	1689.8	1655.8
52.5°	2156.6	2154.1	2109.6	1979.9	1788.7	1655.8	1662.2	1765.9	1855.9	1855.9	1810.5
55°	2245.8	2245.0	2218.9	2106.3	1915.1	1787.1	1805.6	1919.9	2022.8	2022.8	1977.5
57.5°	2308.1	2307.3	2304.1	2218.2	2036.6	1911.8	1941.0	2071.4	2183.3	2185.7	2125.7
60°	2322.8	2330.1	2362.4	2308.1	2145.2	2025.3	2065.0	2210.9	2325.9	2330.1	2248.1
62.5°	2296.7	2308.1	2373.7	2362.4	2227.9	2127.4	2176.9	2326.7	2437.8	2444.2	2331.6
65°	2210.9	2234.4	2334.9	2372.1	2279.8	2202.0	2267.5	2411.1	2503.4	2512.4	2358.4
66°	2164.7	2189.8	2305.0	2363.3	2291.1	2223.0	2291.9	2434.6	2517.3	2522.9	2349.5
67.5°	2077.1	2102.2	2238.4	2328.5	2291.1	2243.3	2312.2	2450.8	2514.8	2517.3	2317.8
70°	1889.1	1928.0	2080.4	2219.8	2244.0	2232.7	2311.4	2426.4	2455.6	2447.5	2197.1
72.5°	1682.5	1704.3	1871.3	2060.9	2142.8	2164.7	2254.7	2334.9	2315.4	2303.3	2015.7
75°	1411.0	1442.5	1624.9	1841.3	1966.1	2033.5	2129.8	2158.2	2109.6	2083.7	1776.4
77.5°	1178.4	1191.4	1361.6	1583.6	1748.1	1839.7	1930.5	1939.4	1839.0	1817.0	1498.5
80°	936.9	949.8	1106.2	1319.5	1497.7	1618.4	1697.9	1674.4	1547.9	1526.9	1239.1
82.5°	731.8	749.6	869.6	1073.0	1245.7	1372.9	1433.7	1395.6	1275.6	1245.7	987.1
85°	561.6	570.6	682.5	857.4	1009.8	1125.7	1175.9	1133.8	1004.9	981.4	775.6
87.5°	427.9	436.8	531.6	669.4	803.9	902.8	941.7	888.3	783.7	768.3	602.1
90°	326.5	333.1	408.4	526.7	630.5	712.4	739.1	697.0	603.7	590.0	463.6
92.5°	250.4	256.1	314.4	408.4	493.6	563.2	574.6	535.0	462.7	450.5	356.6
95°	192.1	198.6	245.7	319.4	385.8	438.4	446.6	412.6	355.0	345.3	274.8
97.5°	150.8	153.2	192.9	252.8	307.1	343.6	346.9	320.9	271.5	265.1	211.5
100°	120.7	122.4	153.2	200.2	244.7	271.5	273.1	246.4	208.2	203.4	162.1
102.5°	98.2	99.7	123.1	161.2	194.5	216.4	215.6	194.5	161.2	154.8	126.4
105°	81.1	81.8	100.5	131.3	158.0	172.6	171.9	151.6	124.0	119.9	98.9
107.5°	68.1	68.9	82.7	107.0	129.7	141.8	139.5	119.1	96.4	94.0	78.6



REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	57.6	58.4	68.9	89.1	109.4	117.6	114.2	94.8	76.2	72.9	63.3
112.5°	50.3	50.3	58.4	74.6	91.6	98.9	94.0	77.0	60.0	58.4	51.9
115°	43.8	44.6	50.3	63.3	77.8	82.7	77.8	61.6	48.6	47.0	42.9
117.5°	38.9	38.9	43.8	53.5	65.7	68.9	64.0	50.3	39.7	38.9	36.5
120°	34.9	34.9	38.1	45.4	55.0	58.4	53.5	41.3	32.4	31.5	30.8
122.5°	31.5	31.5	33.3	38.9	47.0	48.6	43.8	34.1	27.6	26.8	26.8
125°	28.4	28.4	29.2	33.3	39.7	41.3	36.5	27.6	23.5	22.7	22.7
127.5°	25.9	25.9	25.9	29.2	32.4	34.1	29.9	22.7	19.4	19.4	20.2
130°	23.5	23.5	23.5	24.4	26.8	27.6	24.4	18.7	17.1	17.1	17.1
132.5°	21.1	21.1	20.2	21.1	21.9	21.9	18.7	15.4	14.6	14.6	15.4
135°	18.7	18.7	17.8	17.8	17.8	17.1	14.6	12.1	12.1	12.1	13.0
137.5°	16.2	16.2	15.4	14.6	13.7	12.1	10.5	9.8	9.8	9.8	10.5
140°	13.7	13.7	13.0	11.4	9.8	9.0	7.3	7.3	8.0	8.0	8.0
142.5°	10.5	10.5	9.8	9.0	7.3	5.7	4.9	4.9	5.7	5.7	6.4
145°	8.0	8.0	7.3	5.7	4.1	3.3	2.4	3.3	4.1	4.1	4.9
147.5°	5.7	5.7	4.9	4.1	2.4	0.8	1.6	2.4	3.3	3.3	4.1
150°	3.3	3.3	2.4	1.6	0.0	0.0	0.8	1.6	2.4	2.4	2.4
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	209.9	208.2	205.1	202.5	199.4	197.8	196.1	194.5	193.7	192.1	192.1
5°	217.2	214.8	209.1	204.2	198.6	194.5	190.4	188.0	186.4	185.6	185.6
7.5°	231.0	226.9	218.0	210.8	202.5	197.8	192.9	188.0	185.6	184.7	184.7
10°	250.4	245.7	233.4	222.9	212.3	205.1	200.2	194.5	192.1	190.4	190.4
12.5°	278.8	270.6	256.1	240.7	226.9	218.0	211.5	207.5	207.5	209.1	208.2
15°	314.4	305.5	284.5	265.1	246.4	234.3	230.2	229.3	229.3	230.2	230.2
17.5°	353.4	341.2	316.9	291.7	269.9	257.8	252.8	251.2	251.2	252.1	253.7
20°	400.3	384.9	354.1	321.8	298.3	283.6	276.3	273.9	275.6	278.8	278.8
22.5°	454.6	437.6	396.3	355.0	327.4	308.7	299.9	297.4	300.7	304.8	305.5
25°	517.1	494.4	442.5	391.4	355.7	332.2	323.4	320.1	324.9	329.9	332.2
27.5°	585.9	556.7	492.8	427.9	380.9	352.6	342.8	342.0	348.5	355.0	357.4
30°	662.1	626.5	546.2	466.0	406.9	370.4	359.8	362.3	369.6	377.7	379.2
32.5°	746.5	704.2	602.1	503.2	427.1	384.1	372.0	377.7	386.6	397.1	398.7
35°	838.0	786.8	661.3	538.1	444.9	394.7	382.5	389.8	399.6	411.0	412.6
37.5°	937.7	875.2	720.4	568.9	458.7	401.2	388.2	397.1	408.4	419.0	420.6
40°	1041.5	966.8	779.7	596.4	468.4	405.3	390.6	400.3	411.7	419.8	421.4
42.5°	1158.9	1065.8	837.2	618.4	474.0	406.0	390.6	399.6	411.0	416.6	417.4
45°	1283.7	1170.2	894.0	636.2	476.6	405.3	388.2	397.9	406.9	409.2	410.0
47.5°	1413.4	1277.2	945.0	646.7	476.6	402.0	384.9	392.2	399.6	398.7	399.6
50°	1557.7	1389.1	992.8	653.3	473.3	397.9	381.8	387.5	392.2	388.2	389.0
52.5°	1693.8	1500.1	1031.7	655.7	467.6	393.2	378.5	383.4	385.8	380.1	380.1
55°	1829.1	1604.7	1063.3	650.7	460.3	389.0	376.1	380.9	380.9	373.6	373.6
57.5°	1954.7	1693.8	1081.1	641.1	451.5	385.8	374.4	379.2	379.2	369.6	369.6
60°	2052.0	1757.9	1081.8	625.6	440.9	381.8	373.6	379.2	378.5	368.8	367.9
62.5°	2111.2	1786.2	1063.3	603.7	430.4	377.7	372.8	378.5	378.5	367.9	367.1
65°	2111.2	1767.6	1022.7	577.9	418.1	372.8	371.2	378.5	376.8	367.1	365.5
66°	2094.9	1747.3	1001.0	566.5	414.1	371.2	370.4	378.5	376.8	367.1	364.7
67.5°	2050.4	1698.7	965.2	547.8	404.4	367.1	368.8	376.1	375.2	364.7	363.1
70°	1920.8	1573.2	888.3	514.6	389.8	359.8	363.9	370.4	369.6	359.8	356.6
72.5°	1730.3	1407.7	800.8	479.0	373.6	350.0	355.0	361.4	359.8	351.7	348.5
75°	1505.8	1220.5	706.0	440.9	354.1	337.2	342.8	348.5	346.9	339.6	334.7
77.5°	1263.5	1027.7	611.9	401.2	333.9	320.9	326.5	332.2	329.1	322.6	319.4
80°	1026.1	841.2	522.7	361.4	310.4	302.3	308.0	309.6	307.1	301.4	297.4
82.5°	818.6	676.8	438.4	322.6	285.2	280.4	284.5	284.5	282.0	276.3	272.3
85°	642.7	539.7	368.8	283.6	260.1	256.9	259.4	256.9	253.7	248.0	244.7
87.5°	506.5	432.7	308.7	249.6	232.6	231.7	232.6	226.9	223.7	218.8	215.6
90°	395.5	339.6	257.8	217.2	207.5	206.6	205.1	199.4	192.1	187.2	184.7
92.5°	308.7	273.1	213.2	185.6	180.8	180.0	177.4	170.2	165.3	158.9	156.5
95°	244.7	218.0	176.7	160.5	158.0	157.3	153.9	145.9	139.5	132.9	131.3
97.5°	192.1	172.6	147.5	137.7	137.0	136.1	132.1	123.1	116.0	109.4	108.6
100°	150.8	138.5	123.1	118.3	118.3	117.6	113.4	104.6	95.6	89.1	88.4
102.5°	119.9	111.9	102.9	101.3	101.3	100.5	96.4	89.1	78.6	71.3	71.3
105°	95.6	90.8	85.9	86.8	87.5	86.8	82.7	73.8	63.3	57.6	57.6
107.5°	77.0	73.8	72.1	73.8	74.6	74.6	70.5	60.7	51.1	46.2	46.2



REPORT NUMBER: P254900

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	62.4	60.7	60.7	62.4	64.0	64.0	59.1	51.1	41.3	37.2	37.2
112.5°	51.1	50.3	51.1	54.3	55.0	54.3	50.3	42.2	33.3	30.8	30.8
115°	42.9	42.9	43.8	46.2	47.8	46.2	42.2	34.1	26.8	25.1	25.1
117.5°	36.5	36.5	37.2	39.7	40.5	38.9	34.9	27.6	21.9	21.1	21.1
120°	30.8	30.8	31.5	33.3	34.1	32.4	28.4	22.7	17.8	17.1	17.8
122.5°	26.8	26.8	27.6	28.4	29.2	27.6	23.5	17.8	14.6	14.6	14.6
125°	23.5	23.5	23.5	24.4	24.4	22.7	19.4	14.6	11.4	12.1	12.1
127.5°	20.2	20.2	20.2	20.2	20.2	18.7	15.4	11.4	9.8	10.5	10.5
130°	17.8	17.8	17.1	17.1	16.2	15.4	12.1	9.0	8.0	9.0	9.0
132.5°	15.4	15.4	14.6	13.7	13.0	12.1	9.8	6.4	6.4	7.3	7.3
135°	13.0	13.0	12.1	11.4	10.5	9.0	6.4	4.9	4.9	5.7	5.7
137.5°	10.5	10.5	9.8	9.0	7.3	6.4	4.9	3.3	4.1	4.9	4.9
140°	8.0	8.0	7.3	6.4	4.9	3.3	2.4	2.4	2.4	3.3	3.3
142.5°	6.4	6.4	5.7	4.1	2.4	1.6	0.8	0.8	1.6	2.4	2.4
145°	4.9	4.9	4.1	3.3	1.6	0.8	0.0	0.0	0.8	0.8	0.8
147.5°	4.1	3.3	3.3	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	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)