

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: P254412

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
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-SL3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4998.6 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

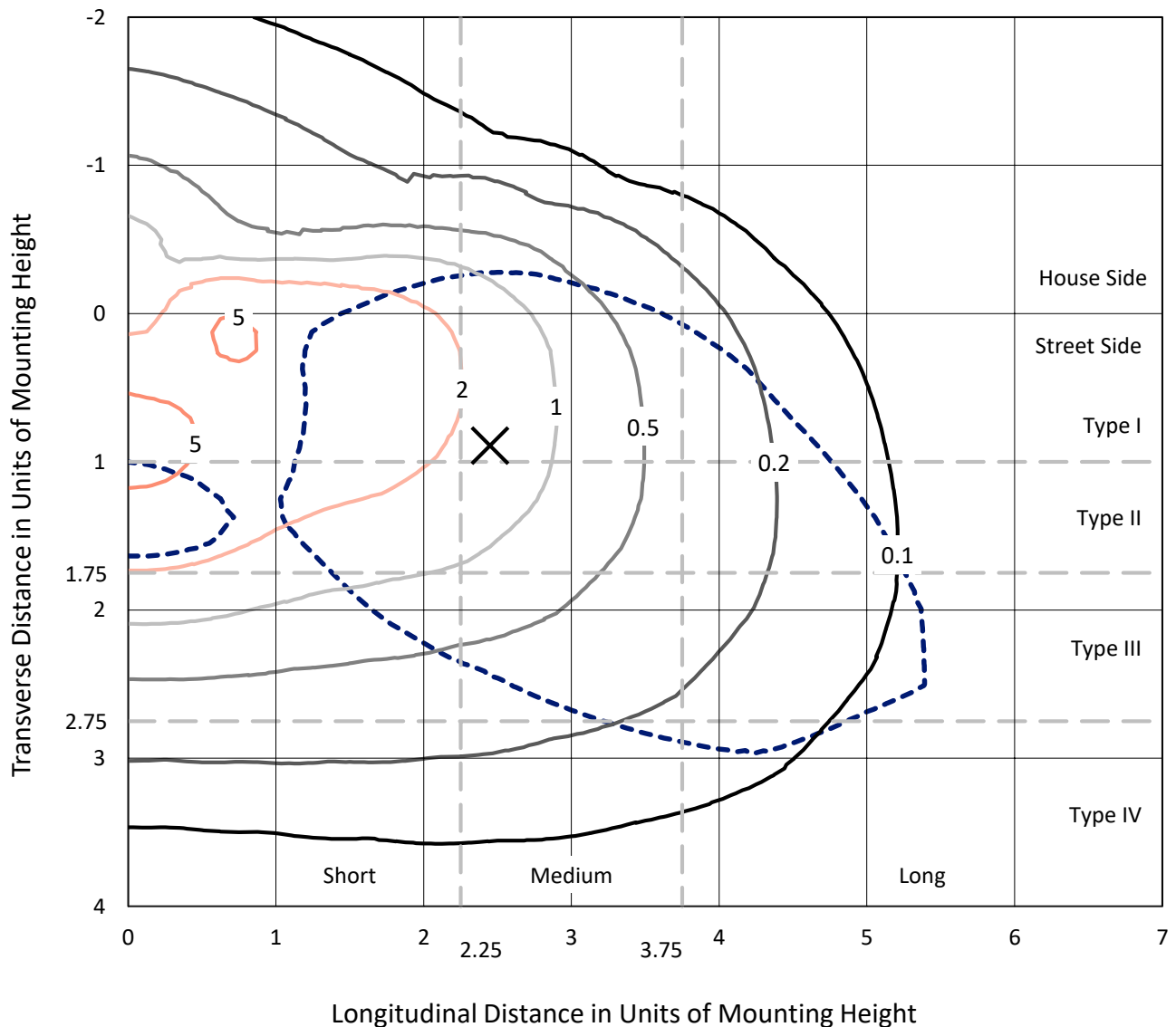
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P254412
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

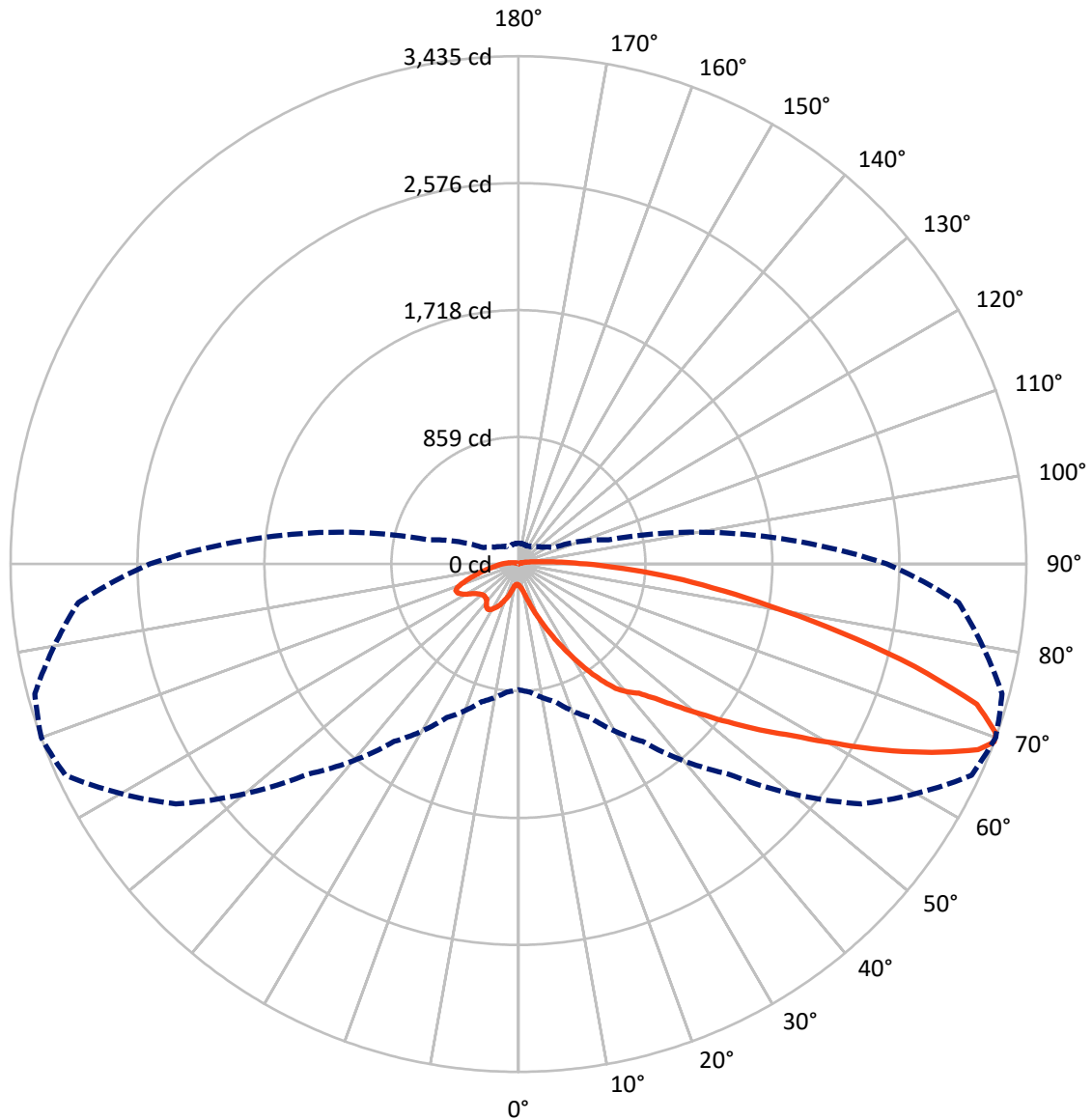


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254412

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P254412

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

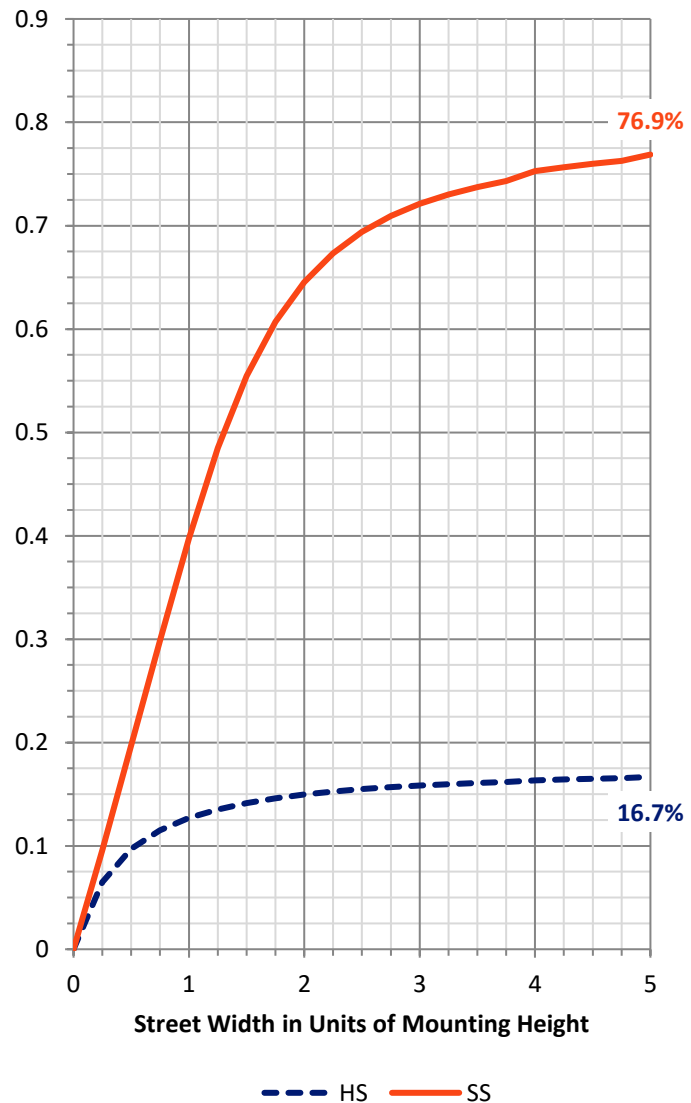
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	869.4	68.7	938.1
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	3947.4	113.1	4060.5
	% Fixture	79.0	2.3	81.2
Total	Lumens	4816.9	181.7	4998.6
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.3
10°-20°	64.2	1.3
20°-30°	178.5	3.6
30°-40°	377.2	7.5
40°-50°	632.9	12.7
50°-60°	954.2	19.1
60°-70°	1241.6	24.8
70°-80°	970.9	19.4
80°-90°	382.5	7.7
90°-100°	113.4	2.3
100°-110°	37.2	0.7
110°-120°	16.0	0.3
120°-130°	8.6	0.2
130°-140°	4.6	0.1
140°-150°	1.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4816.9	96.4
0°-180°	4998.6	100.0



REPORT NUMBER: P254412

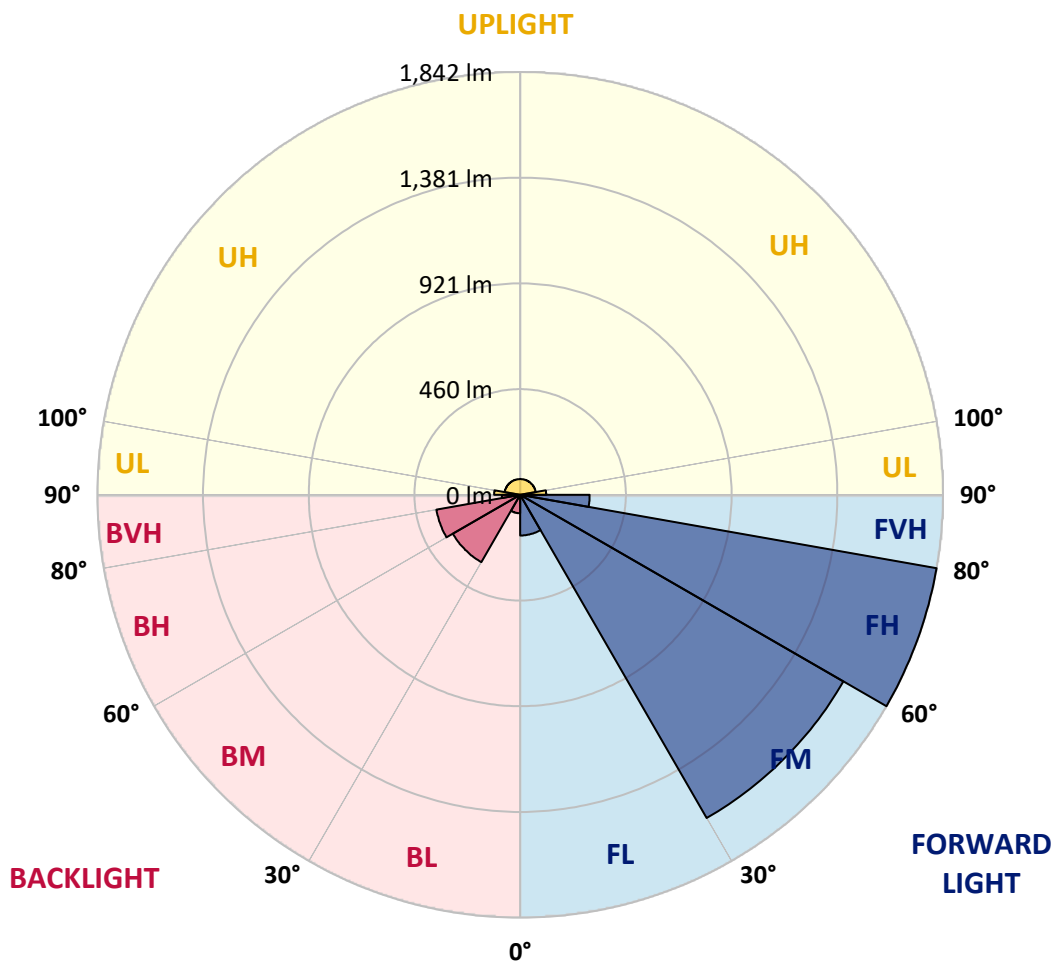
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.2	3.5			
FM (30°-60°)	1625.7	32.5			
FH (60°-80°)	1842.0	36.8			G2/5000
FVH (80°-90°)	302.6	6.1			G3/500
BL (0°-30°)	80.3	1.6	B0/110		
BM (30°-60°)	338.7	6.8	B1/1000		
BH (60°-80°)	370.5	7.4	B1/500		G1/500
BVH (80°-90°)	79.9	1.6			G1/100
UL (90°-100°)	113.4	2.3		U3/500	
UH (100°-180°)	68.7	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P254412

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	159.5	159.5	160.2	159.5	158.9	156.3	153.8	150.8	149.4	148.3	145.1
5°	177.6	177.6	177.0	175.8	174.5	170.1	166.4	161.3	158.9	156.3	150.8
7.5°	199.5	199.0	198.3	195.8	193.3	187.7	182.0	175.8	172.0	169.0	161.3
10°	225.8	225.2	224.5	220.1	216.5	210.3	204.6	196.4	193.3	188.9	178.3
12.5°	259.6	261.4	257.8	250.9	245.9	237.1	233.3	227.7	224.0	222.1	210.8
15°	302.1	303.4	298.4	287.2	280.2	271.5	272.7	273.3	271.5	271.5	257.8
17.5°	353.5	350.9	347.1	330.9	320.2	316.6	322.1	327.8	329.0	330.9	316.6
20°	417.8	419.1	407.9	384.0	367.2	368.4	375.3	385.9	390.9	395.3	380.3
22.5°	506.1	496.0	482.9	449.2	426.0	420.9	431.6	452.3	460.4	471.7	457.2
25°	600.5	590.4	567.4	528.6	493.6	478.5	496.0	531.6	545.4	564.3	551.6
27.5°	701.2	693.0	658.1	616.8	569.2	542.9	566.1	614.2	636.1	659.9	646.2
30°	809.4	800.0	758.7	709.9	649.9	616.8	634.9	704.2	740.6	773.1	766.9
32.5°	938.3	925.8	875.0	813.2	734.3	695.0	714.3	808.7	854.4	896.4	887.6
35°	1082.1	1075.8	1008.4	929.5	832.5	776.9	803.8	906.5	963.8	1008.4	996.5
37.5°	1247.3	1239.8	1162.8	1058.4	935.1	865.2	885.1	1000.2	1067.1	1114.0	1087.7
40°	1401.1	1393.6	1317.3	1194.8	1042.2	957.6	974.6	1077.2	1137.8	1175.9	1127.8
42.5°	1565.6	1551.3	1466.1	1324.9	1156.0	1055.9	1052.0	1136.0	1194.1	1243.5	1193.4
45°	1710.8	1707.0	1615.7	1453.7	1270.4	1152.2	1127.8	1221.0	1297.4	1363.7	1312.3
47.5°	1802.1	1797.1	1730.1	1568.8	1370.5	1246.0	1228.5	1342.4	1431.9	1503.7	1444.3
50°	1850.9	1849.0	1801.4	1656.4	1470.6	1349.3	1361.7	1490.7	1591.3	1681.4	1617.6
52.5°	1872.1	1872.1	1835.2	1718.8	1559.3	1467.5	1514.4	1662.0	1775.3	1872.1	1787.1
55°	1869.7	1870.3	1832.2	1734.0	1630.0	1591.3	1688.3	1864.6	1979.1	2083.6	1984.1
57.5°	1790.9	1795.9	1787.7	1723.9	1668.3	1717.0	1888.4	2082.4	2189.9	2288.8	2177.4
60°	1601.3	1614.5	1643.3	1655.8	1677.0	1836.5	2096.6	2328.2	2461.4	2582.2	2490.8
62.5°	1418.0	1429.3	1469.3	1523.7	1653.2	1927.3	2328.2	2665.3	2771.7	2887.4	2717.9
65°	1195.4	1212.9	1291.0	1394.2	1595.7	1991.0	2583.3	2981.1	3072.5	3128.2	2918.0
67.5°	971.5	987.7	1081.5	1246.0	1520.7	2028.0	2771.7	3262.7	3352.7	3358.4	3046.2
69°	850.0	868.2	964.5	1145.9	1464.9	2007.8	2829.2	3381.6	3435.3	3386.5	2988.7
70°	785.0	785.0	892.0	1077.2	1416.1	1971.0	2838.5	3390.4	3425.3	3353.3	2928.0
72.5°	569.2	575.5	687.5	903.2	1260.5	1822.1	2681.5	3222.0	3242.0	3048.8	2522.7
75°	390.3	396.6	495.4	701.8	1058.9	1585.7	2365.7	2786.6	2769.1	2556.4	2039.8
77.5°	270.2	274.6	349.6	511.7	837.6	1312.3	1971.6	2278.2	2235.0	2036.0	1526.3
80°	189.6	193.9	251.4	380.3	635.6	1032.7	1563.2	1784.6	1722.0	1545.0	1120.9
82.5°	133.2	137.0	184.5	287.8	481.7	803.8	1232.9	1388.0	1326.1	1169.1	801.3
85°	95.0	97.6	133.9	218.9	369.1	599.3	935.8	1040.2	977.0	831.9	532.3
87.5°	68.9	71.3	98.9	165.1	285.8	466.0	691.8	736.2	648.0	526.6	336.5
90°	51.9	53.7	74.4	123.9	222.7	342.2	495.4	479.7	415.3	332.1	224.5
92.5°	38.8	40.0	57.0	93.9	170.8	265.8	344.0	312.8	259.0	210.3	153.3
95°	28.7	30.0	43.1	70.7	126.3	190.7	224.5	193.3	161.3	133.2	104.5
97.5°	21.9	23.2	33.8	53.7	91.3	134.5	145.1	123.3	107.0	91.3	74.4
100°	17.5	18.1	26.2	41.3	65.7	92.0	100.1	85.7	75.1	66.9	56.3
102.5°	13.7	15.0	21.3	32.6	50.0	68.2	72.5	62.6	55.7	50.0	44.4
105°	11.9	12.6	17.5	26.2	39.5	51.3	55.0	46.9	41.3	37.5	34.4
107.5°	10.6	10.6	15.0	21.9	31.9	40.7	42.5	35.1	30.7	28.2	26.2



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	9.4	9.4	13.1	18.8	26.9	33.8	33.1	26.2	23.2	20.6	20.6
112.5°	8.7	8.7	11.3	16.9	23.2	28.2	26.2	20.6	18.1	15.7	16.9
115°	8.0	8.0	10.6	15.0	20.6	23.8	21.9	16.3	13.7	12.6	13.7
117.5°	8.0	8.0	10.1	13.7	18.8	20.6	18.8	13.7	11.3	10.6	11.9
120°	8.0	8.0	10.1	13.1	16.9	18.1	15.7	11.3	10.1	8.7	10.6
122.5°	8.0	8.0	9.4	12.6	15.7	16.3	13.7	10.1	8.0	8.0	9.4
125°	8.7	8.7	10.1	12.6	14.4	14.4	11.9	8.7	7.5	7.5	9.4
127.5°	9.4	9.4	10.1	11.9	13.1	12.6	10.6	8.0	7.5	7.5	8.7
130°	10.1	10.1	10.6	11.3	11.9	10.6	8.7	7.5	6.9	7.5	8.7
132.5°	10.1	10.1	10.1	10.6	10.6	9.4	7.5	6.2	6.2	6.9	8.0
135°	9.4	9.4	9.4	9.4	9.4	7.5	6.2	5.7	5.7	6.2	7.5
137.5°	8.0	8.0	7.5	7.5	7.5	6.2	5.0	4.4	4.4	5.0	6.2
140°	6.2	6.2	6.2	6.2	6.2	5.0	3.8	3.2	3.8	4.4	5.0
142.5°	5.0	5.0	5.0	5.0	5.0	3.8	2.5	3.2	3.8	3.8	4.4
145°	4.4	3.8	3.8	3.8	3.8	2.5	1.8	2.5	3.2	3.8	3.8
147.5°	3.2	3.2	3.2	3.2	2.5	1.2	1.2	2.5	2.5	3.2	3.8
150°	1.8	1.8	1.8	1.8	1.2	0.6	1.2	1.8	2.5	2.5	3.2
152.5°	0.6	0.6	1.2	1.2	0.6	0.0	0.6	1.2	1.8	1.8	2.5
155°	0.0	0.0	0.6	1.2	0.0	0.0	0.6	1.2	1.2	1.8	1.8
157.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	1.2	1.2	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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: P254412

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	143.2	142.0	139.6	137.6	135.2	133.2	133.2	131.3	131.3	130.8	130.1
5°	148.3	146.4	140.1	135.7	131.3	127.7	125.1	123.3	121.4	120.0	119.4
7.5°	157.7	153.3	144.4	137.0	129.5	123.9	118.9	115.7	113.2	112.6	111.3
10°	173.2	168.3	154.5	142.0	130.8	121.4	115.0	110.7	108.1	107.6	107.0
12.5°	203.9	196.4	176.4	155.8	134.5	120.0	112.0	111.3	112.0	113.2	113.8
15°	248.3	240.2	209.6	177.0	144.4	122.0	117.6	118.9	120.7	122.6	122.6
17.5°	302.7	289.0	247.7	200.8	157.0	133.2	123.3	124.4	128.3	131.3	131.3
20°	363.4	341.6	283.3	218.3	169.0	140.7	128.8	129.5	135.2	138.9	139.6
22.5°	437.2	404.0	320.9	232.7	175.8	143.9	132.6	133.2	142.0	148.3	148.9
25°	520.4	477.3	364.1	248.3	178.3	142.6	134.5	138.9	152.6	163.3	163.9
27.5°	603.6	544.2	397.1	259.0	176.4	138.9	135.7	145.1	162.0	172.0	173.2
30°	711.2	636.8	434.1	263.4	170.1	135.2	135.7	147.6	162.0	172.0	172.6
32.5°	818.2	716.8	464.2	266.5	163.3	131.9	133.9	144.4	158.2	169.5	170.1
35°	908.8	780.6	477.3	260.2	157.0	130.1	130.8	141.4	157.0	170.8	171.4
37.5°	975.8	821.9	476.1	245.2	149.4	128.3	128.8	140.7	158.2	173.2	175.2
40°	998.3	824.5	452.3	223.3	144.4	127.7	129.5	140.7	157.0	169.5	171.4
42.5°	1050.8	846.3	436.0	203.9	140.7	128.8	131.3	138.9	150.8	162.7	165.1
45°	1144.7	905.8	440.4	194.5	140.1	131.9	132.6	137.0	145.1	156.3	159.5
47.5°	1246.0	966.4	442.3	189.6	143.2	135.2	134.5	135.2	139.6	148.9	152.0
50°	1386.2	1057.7	452.3	188.9	148.3	138.9	136.3	133.9	137.0	148.3	151.4
52.5°	1530.6	1154.7	468.5	192.7	155.8	143.9	138.9	134.5	137.0	147.0	151.4
55°	1692.0	1275.4	492.3	200.2	163.3	149.4	142.0	136.3	136.3	145.1	148.9
57.5°	1870.3	1399.9	523.6	210.3	171.4	155.8	144.4	137.0	135.7	141.4	144.4
60°	2147.4	1608.9	578.6	224.5	179.5	160.7	146.4	137.6	136.3	140.7	142.6
62.5°	2331.3	1753.9	626.2	239.0	187.1	165.1	147.0	137.6	137.6	140.1	141.4
65°	2505.8	1880.9	658.1	252.1	193.9	167.6	147.0	137.0	137.6	139.6	139.6
67.5°	2564.7	1912.8	659.9	261.4	198.3	167.6	145.8	136.3	138.2	140.1	139.6
69°	2494.0	1846.5	631.7	262.1	198.3	165.7	144.4	135.2	138.2	140.1	139.6
70°	2426.9	1789.5	608.0	259.6	196.4	163.9	142.6	134.5	137.6	139.6	138.9
72.5°	2049.8	1479.4	514.8	247.0	189.6	157.7	137.0	130.1	134.5	137.0	135.7
75°	1633.2	1165.9	419.7	225.2	177.6	147.6	129.5	123.3	128.3	130.8	128.8
77.5°	1217.2	863.2	335.9	203.3	164.6	138.9	121.4	114.5	118.2	119.4	117.6
80°	883.3	626.7	269.6	183.2	152.6	130.1	113.2	105.8	108.8	108.8	106.3
82.5°	624.3	445.3	217.7	163.3	140.1	122.6	106.3	98.3	102.6	101.9	99.4
85°	418.5	308.9	178.3	141.4	125.7	112.6	98.9	92.6	97.6	96.9	94.4
87.5°	277.1	220.8	149.4	122.6	110.2	100.1	90.0	85.7	90.6	89.5	86.4
90°	196.4	167.0	126.3	105.8	94.4	87.0	80.1	76.9	80.1	77.6	74.4
92.5°	141.4	125.1	103.8	88.8	78.7	73.9	69.4	66.9	68.9	65.0	62.6
95°	100.1	92.0	83.1	73.2	65.7	61.3	58.8	57.6	58.8	53.2	51.3
97.5°	73.2	69.4	65.7	60.6	54.4	51.9	50.0	48.8	48.8	43.1	41.9
100°	57.0	55.0	53.7	50.7	45.7	43.8	42.5	41.9	40.7	35.6	34.4
102.5°	45.7	45.1	45.1	41.9	38.1	36.9	35.6	35.1	33.8	29.4	28.2
105°	36.3	36.3	36.9	34.4	31.9	30.7	30.0	28.7	27.6	24.4	24.4
107.5°	28.7	28.7	30.0	28.2	26.9	25.6	25.0	23.8	22.5	20.6	20.6



REPORT NUMBER: P254412

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.5	23.2	25.0	23.8	22.5	21.9	21.3	19.3	18.1	17.5	17.5
112.5°	18.1	19.3	20.6	20.0	18.8	18.8	17.5	16.3	15.0	15.0	15.0
115°	15.7	16.3	17.5	16.9	16.3	15.7	15.0	13.1	12.6	12.6	13.1
117.5°	13.1	13.7	15.0	14.4	13.7	13.7	12.6	11.3	10.1	11.3	11.3
120°	11.3	11.9	12.6	12.6	11.9	11.9	10.6	9.4	8.0	9.4	9.4
122.5°	10.6	10.6	11.3	10.6	10.6	10.1	8.7	7.5	6.9	8.0	8.0
125°	10.1	10.1	10.1	9.4	9.4	8.7	7.5	6.2	5.7	6.9	6.9
127.5°	9.4	9.4	9.4	8.7	7.5	6.9	6.2	5.0	4.4	5.7	5.7
130°	9.4	9.4	8.0	7.5	6.9	5.7	5.0	3.8	3.8	5.0	5.0
132.5°	8.7	8.0	7.5	6.2	5.7	4.4	3.8	3.2	3.2	3.8	4.4
135°	7.5	7.5	6.2	5.0	4.4	3.2	3.2	1.8	2.5	3.2	3.2
137.5°	6.2	6.2	5.7	4.4	3.2	2.5	1.8	1.2	1.8	2.5	2.5
140°	5.7	5.0	4.4	3.8	2.5	1.2	1.2	0.6	1.2	1.2	1.8
142.5°	5.0	5.0	4.4	3.2	1.8	1.2	0.0	0.6	0.6	0.6	1.2
145°	4.4	4.4	3.8	2.5	1.8	0.6	0.0	0.6	0.6	0.6	0.0
147.5°	3.8	3.8	3.2	2.5	1.2	0.0	0.0	0.0	0.6	0.0	0.0
150°	3.2	3.2	2.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.6	0.6	0.6	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)