

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: P255177

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5505.5 lumens
Efficiency: N/A
Efficacy: 102.0 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

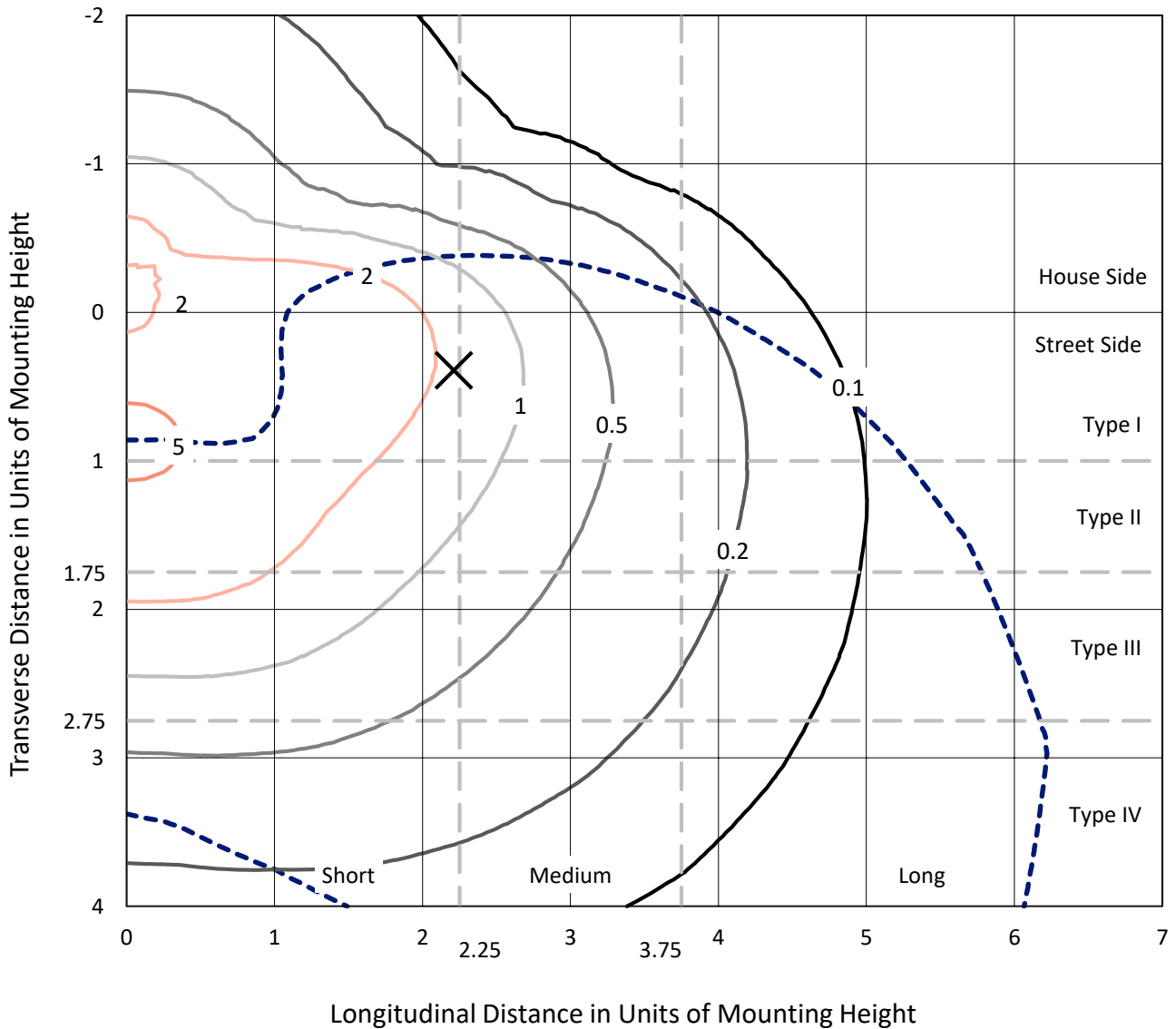
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P255177
 CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

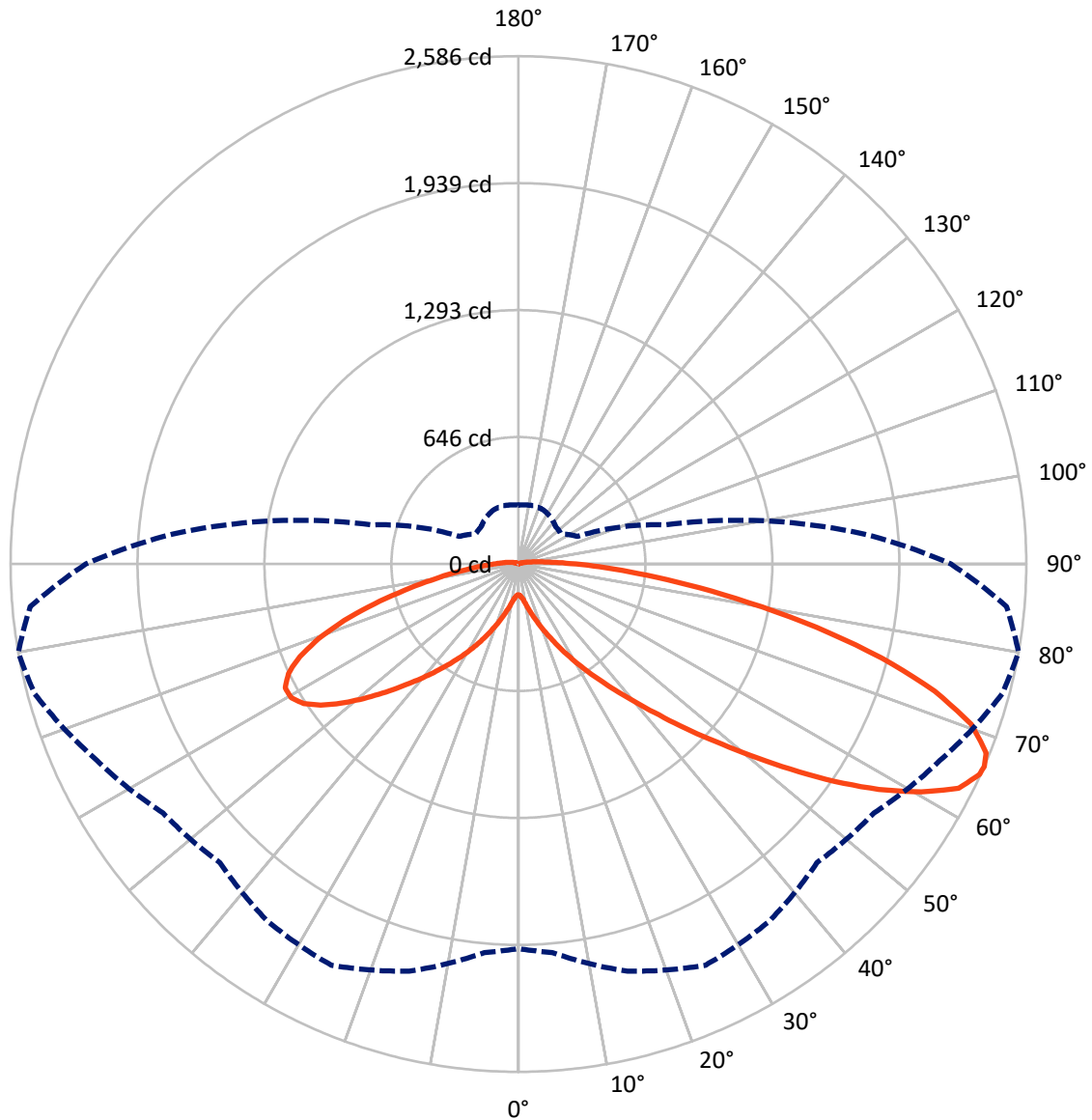
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P255177
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P255177

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

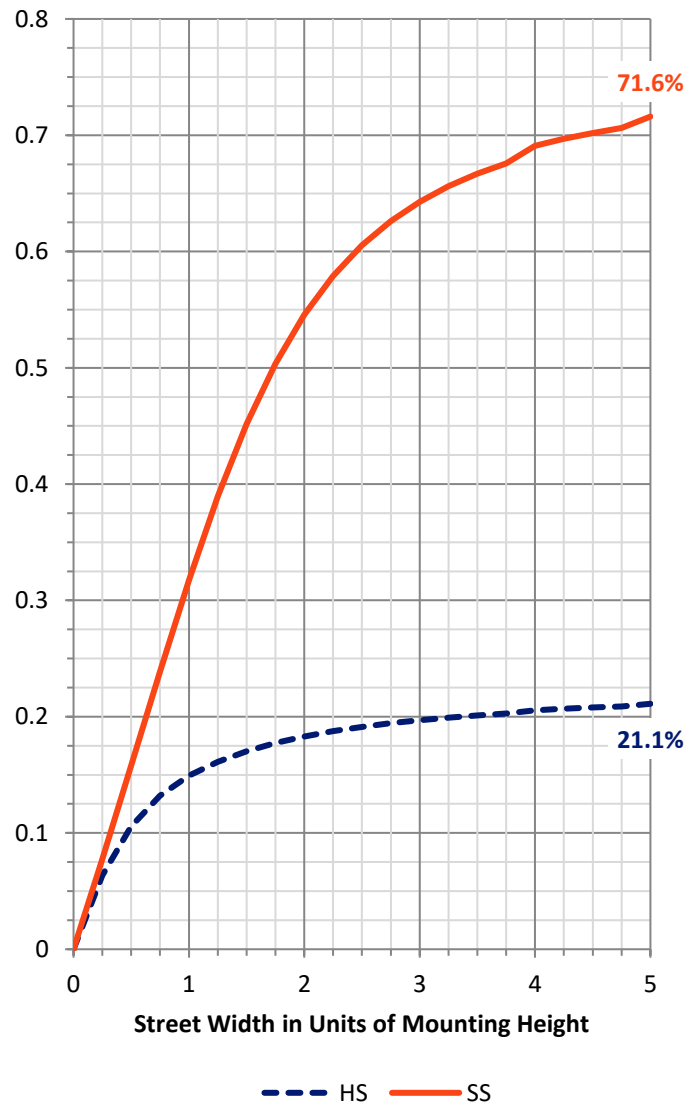
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.9	78.7	1299.6
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	4100.5	105.4	4205.9
	% Fixture	74.5	1.9	76.4
Total	Lumens	5321.4	184.1	5505.5
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.3
10°-20°	74.7	1.4
20°-30°	190.8	3.5
30°-40°	377.6	6.9
40°-50°	654.5	11.9
50°-60°	1043.7	19.0
60°-70°	1356.8	24.6
70°-80°	1122.2	20.4
80°-90°	484.2	8.8
90°-100°	126.2	2.3
100°-110°	37.2	0.7
110°-120°	13.9	0.3
120°-130°	4.8	0.1
130°-140°	1.5	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5321.4	96.7
0°-180°	5505.5	100.0

Coefficient of Utilization



REPORT NUMBER: P255177

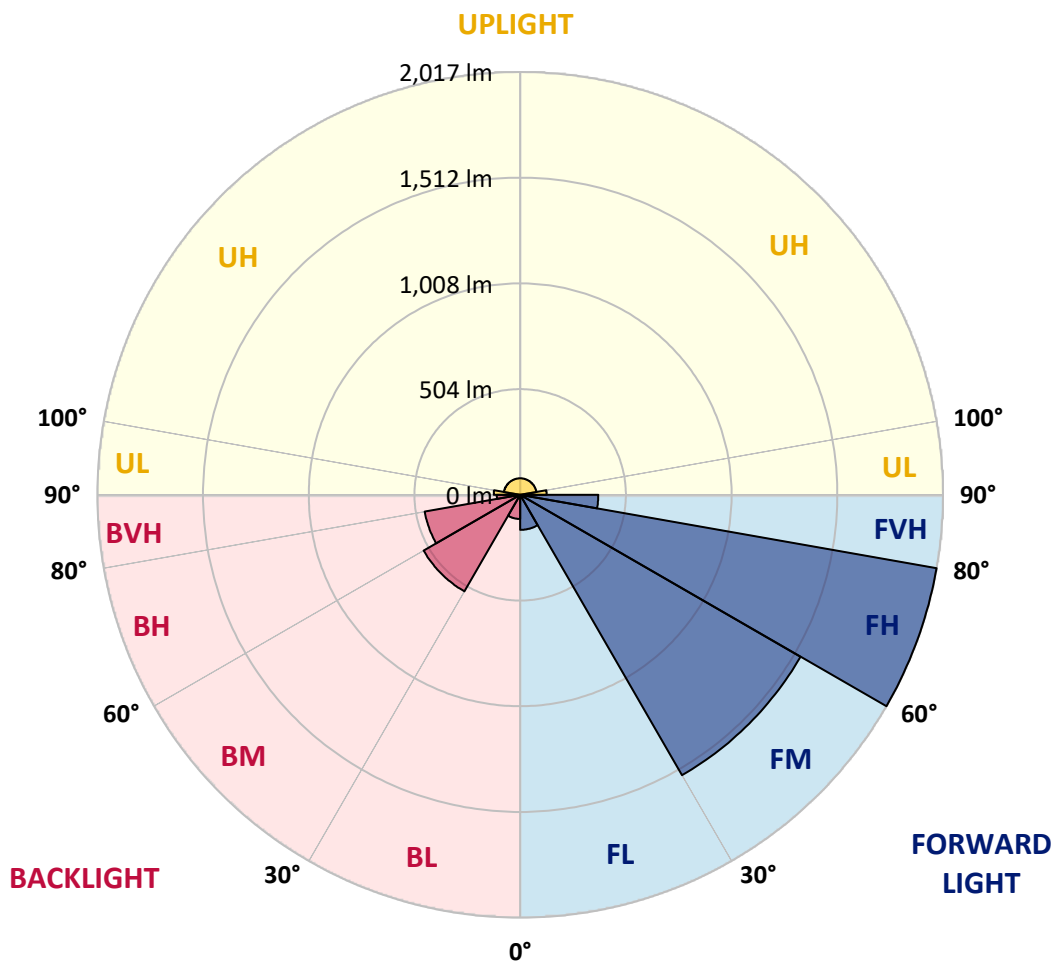
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.3	3.0			
FM	(30°-60°)	1544.0	28.0			
FH	(60°-80°)	2016.6	36.6			G2/5000
FVH	(80°-90°)	372.6	6.8			G3/500
BL	(0°-30°)	115.2	2.1	B1/500		
BM	(30°-60°)	531.8	9.7	B1/1000		
BH	(60°-80°)	462.4	8.4	B1/500		G1/500
BVH	(80°-90°)	111.6	2.0			G2/225
UL	(90°-100°)	126.2	2.3		U3/500	
UH	(100°-180°)	78.7	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P255177

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4
2.5°	168.7	168.1	168.7	168.7	168.1	167.4	165.4	164.1	162.1	160.8	160.1
5°	182.6	182.0	182.0	182.0	181.3	179.9	177.3	174.7	172.1	170.0	169.4
7.5°	202.4	200.5	200.5	199.8	198.5	196.5	193.2	190.6	187.9	184.6	183.3
10°	229.6	228.3	226.3	224.9	221.7	219.6	215.7	212.4	210.4	207.8	205.1
12.5°	262.0	264.0	262.7	257.4	253.4	250.1	244.8	242.8	240.8	237.5	235.6
15°	304.3	305.7	302.4	297.1	290.5	286.5	281.2	276.6	275.3	271.3	268.6
17.5°	352.7	355.3	350.1	342.1	333.5	324.2	320.3	315.6	313.6	309.6	307.0
20°	410.2	412.9	405.6	393.7	381.2	367.9	363.2	357.9	357.3	353.3	351.4
22.5°	477.7	479.7	468.5	451.2	433.4	416.2	408.9	403.7	404.3	401.0	400.3
25°	555.8	556.5	540.6	518.1	490.9	467.8	457.9	455.2	457.9	455.9	454.6
27.5°	643.8	643.1	628.6	593.5	552.5	520.8	508.8	509.5	515.5	516.8	516.8
30°	741.0	743.7	719.2	673.6	620.0	576.3	563.7	566.4	583.6	583.6	583.6
32.5°	854.3	853.6	825.7	759.6	692.7	639.1	622.7	625.2	646.4	656.3	653.1
35°	980.6	979.3	944.9	860.2	772.1	706.0	683.5	696.1	725.2	736.4	733.8
37.5°	1116.2	1116.2	1075.8	972.0	858.9	778.8	754.3	768.2	809.3	827.8	817.8
40°	1255.2	1255.9	1208.2	1098.3	957.5	858.2	830.4	854.9	912.5	930.3	923.7
42.5°	1394.2	1390.2	1345.8	1223.4	1063.3	947.6	913.8	954.8	1024.9	1050.1	1040.9
45°	1534.4	1531.8	1491.4	1355.1	1179.1	1044.1	1009.0	1062.0	1153.3	1193.7	1184.4
47.5°	1670.1	1670.1	1632.3	1487.5	1304.8	1154.0	1122.2	1187.6	1303.4	1347.8	1349.8
50°	1797.7	1799.8	1767.4	1632.3	1433.2	1275.0	1247.3	1332.6	1483.5	1531.8	1535.0
52.5°	1916.9	1922.1	1900.9	1783.2	1576.8	1410.0	1390.2	1486.8	1663.4	1734.2	1742.8
55°	2022.7	2024.7	2022.1	1923.5	1724.3	1551.6	1545.0	1660.8	1877.8	1953.9	1953.9
57.5°	2096.8	2108.7	2133.3	2053.2	1877.8	1706.5	1705.2	1841.4	2074.3	2165.0	2159.7
60°	2130.6	2143.8	2206.0	2169.0	2020.1	1862.0	1875.8	2030.0	2283.4	2356.2	2351.6
62.5°	2109.4	2126.6	2227.9	2246.4	2133.3	2006.8	2033.3	2199.3	2430.3	2515.6	2464.1
65°	2011.4	2036.6	2178.2	2263.6	2208.0	2117.3	2167.6	2332.4	2530.9	2581.2	2503.1
66°	1957.9	1985.6	2145.8	2253.7	2222.6	2149.7	2209.3	2367.4	2550.1	2585.8	2495.2
67.5°	1868.5	1891.0	2074.3	2218.0	2229.2	2193.4	2259.0	2401.9	2544.8	2568.6	2452.1
70°	1660.1	1687.9	1890.4	2106.8	2195.5	2221.2	2293.4	2397.9	2479.9	2446.9	2292.0
72.5°	1406.7	1450.3	1651.6	1915.6	2088.9	2178.9	2257.7	2311.3	2307.9	2218.0	2033.3
75°	1120.2	1147.3	1360.4	1646.2	1889.1	2056.4	2135.2	2125.9	2043.2	1908.2	1701.2
77.5°	836.4	863.5	1052.7	1334.5	1612.5	1824.2	1895.7	1855.3	1701.8	1552.3	1351.8
80°	588.9	612.7	770.9	1034.2	1302.8	1521.1	1580.8	1523.2	1335.3	1187.0	1016.3
82.5°	401.6	412.2	544.5	772.8	1015.7	1201.6	1259.2	1185.1	1005.8	864.8	731.8
85°	246.8	262.0	369.9	550.6	747.1	890.0	935.0	876.7	722.5	610.1	504.2
87.5°	144.2	152.8	228.9	371.2	537.3	654.4	677.5	623.3	495.6	412.9	334.8
90°	77.4	84.0	131.7	231.6	364.6	452.6	469.7	419.5	324.2	263.3	214.4
92.5°	45.6	49.6	78.8	139.6	233.5	297.8	309.6	269.3	203.8	168.7	140.2
95°	29.8	32.4	51.7	87.4	143.6	188.5	194.6	166.7	129.0	111.2	97.3
97.5°	21.8	23.1	37.0	59.5	90.6	115.8	120.4	103.2	85.3	76.7	69.5
100°	17.2	18.5	28.4	43.7	60.9	74.8	76.1	67.5	58.9	54.2	51.7
102.5°	14.5	15.2	23.1	34.4	45.6	52.9	53.6	47.7	41.6	39.1	38.4
105°	12.6	13.2	19.8	28.4	36.4	41.0	41.0	35.7	30.5	28.4	29.2
107.5°	10.5	11.3	16.6	23.8	30.5	33.8	33.0	27.8	22.5	20.6	21.2



REPORT NUMBER: P255177

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	9.3	9.9	14.5	20.6	26.5	28.4	27.1	21.8	15.9	14.5	15.2
112.5°	8.6	8.6	12.6	17.9	22.5	23.8	21.8	16.6	11.3	10.5	11.3
115°	7.3	8.0	10.5	15.2	18.5	19.8	17.9	12.6	8.0	8.0	8.6
117.5°	6.6	7.3	9.3	12.6	15.9	16.6	14.5	9.9	5.9	5.9	6.6
120°	5.9	5.9	8.0	10.5	13.2	13.2	11.3	7.3	4.6	4.6	5.3
122.5°	5.3	5.9	6.6	8.6	10.5	10.5	8.6	5.3	4.0	4.0	4.6
125°	4.6	5.3	5.9	7.3	8.6	8.6	6.6	4.0	3.3	4.0	4.0
127.5°	4.6	4.6	5.3	5.9	7.3	6.6	5.3	2.7	3.3	3.3	4.0
130°	4.0	4.0	4.6	4.6	5.3	5.3	4.0	2.7	2.7	3.3	3.3
132.5°	3.3	3.3	4.0	4.0	4.6	4.0	2.7	1.9	2.7	2.7	3.3
135°	2.7	2.7	2.7	3.3	3.3	2.7	1.9	1.9	2.7	2.7	2.7
137.5°	2.7	1.9	2.7	2.7	1.9	1.3	1.3	1.3	1.9	2.7	2.7
140°	1.3	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.9	1.9	2.7
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.9	1.9
145°	0.0	0.0	0.6	0.6	0.0	0.0	0.6	0.6	1.3	1.3	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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: P255177

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4
2.5°	159.5	158.8	156.8	155.5	154.2	152.8	152.8	152.8	152.2	151.5	151.5
5°	168.1	166.7	164.1	161.4	158.1	155.5	154.2	153.5	152.2	150.9	150.9
7.5°	182.0	179.9	175.3	170.0	166.7	162.8	161.4	160.1	158.1	156.8	156.2
10°	203.2	199.8	192.5	186.0	179.3	174.0	172.1	170.7	169.4	169.4	169.4
12.5°	231.6	227.6	218.4	206.4	198.5	190.6	187.9	187.3	187.9	188.5	188.5
15°	264.6	258.1	246.1	230.3	219.0	210.4	207.8	207.8	209.1	209.7	209.7
17.5°	303.0	295.1	275.3	256.8	241.5	232.2	228.3	228.3	230.9	232.2	232.9
20°	343.4	334.8	312.3	282.5	263.3	252.8	248.2	248.8	252.1	255.4	256.0
22.5°	389.7	379.8	346.1	309.6	284.5	270.7	265.4	267.3	272.6	277.2	278.5
25°	442.6	430.0	385.8	338.8	303.7	285.2	281.2	285.2	293.1	299.1	299.7
27.5°	500.2	484.4	426.2	365.2	318.2	294.4	291.7	299.7	309.0	316.3	317.6
30°	564.4	544.5	468.5	388.4	329.5	301.8	299.1	309.6	320.9	329.5	330.8
32.5°	635.9	608.8	509.5	408.3	336.1	304.3	303.0	315.6	329.5	338.1	339.4
35°	713.3	677.5	553.1	424.1	338.8	303.7	303.0	317.6	332.2	340.7	341.5
37.5°	799.3	755.7	594.8	436.1	338.1	301.1	301.1	316.3	330.2	338.1	338.1
40°	898.6	840.4	640.5	444.0	334.8	296.5	297.1	311.0	324.2	329.5	330.2
42.5°	1011.7	938.3	682.2	447.3	328.2	291.1	291.1	305.0	315.6	318.2	318.2
45°	1141.4	1047.4	727.8	446.6	321.6	285.2	285.8	297.8	305.7	306.4	305.7
47.5°	1296.9	1173.8	770.9	444.0	312.3	279.3	281.2	291.7	297.8	297.1	296.5
50°	1467.6	1310.1	813.1	438.0	304.3	275.3	277.9	287.9	293.1	291.1	289.8
52.5°	1652.2	1452.4	850.9	428.7	295.7	271.9	276.6	286.5	291.1	287.9	287.9
55°	1843.5	1593.3	880.7	414.9	288.5	270.0	277.2	286.5	291.7	288.5	288.5
57.5°	2016.7	1714.4	894.6	399.0	282.5	269.3	278.5	289.8	294.4	291.7	291.7
60°	2153.1	1799.1	885.4	380.4	276.6	268.6	281.2	293.8	299.1	295.7	295.7
62.5°	2234.4	1836.8	852.2	360.6	271.9	269.3	285.2	299.7	303.7	299.7	298.4
65°	2231.2	1797.7	796.7	339.4	267.3	269.3	287.9	303.0	306.4	301.8	299.7
66°	2202.0	1764.0	768.2	331.5	266.0	268.6	288.5	303.0	307.0	301.8	299.7
67.5°	2147.1	1694.5	721.2	319.0	262.7	268.0	289.2	303.7	306.4	301.8	299.1
70°	1973.8	1540.4	633.2	297.8	256.8	264.6	287.1	301.8	303.7	299.7	297.1
72.5°	1714.4	1321.3	543.9	276.6	248.8	257.4	281.8	295.1	298.4	294.4	291.7
75°	1408.7	1072.0	454.6	256.0	236.9	246.8	271.3	284.5	288.5	285.2	281.8
77.5°	1095.1	820.5	369.2	236.2	223.0	233.5	256.8	268.6	272.6	268.6	266.7
80°	812.5	606.7	296.5	215.0	207.1	217.1	238.9	249.5	253.4	248.8	247.5
82.5°	583.0	440.0	236.2	191.9	187.9	197.2	217.1	226.3	229.6	227.0	222.3
85°	389.7	303.0	186.6	166.7	167.4	176.0	192.5	198.5	202.4	199.8	195.9
87.5°	264.0	207.8	147.5	141.6	143.6	149.6	164.8	169.4	172.1	168.7	168.1
90°	172.1	143.6	117.1	119.8	122.4	127.1	136.3	138.3	141.6	138.3	137.6
92.5°	117.1	105.2	95.2	99.9	103.2	106.5	111.8	113.1	115.8	113.1	111.8
95°	86.0	81.4	77.4	83.4	86.6	88.7	92.0	91.3	93.3	90.6	89.3
97.5°	65.5	62.8	63.5	68.8	72.1	73.4	74.8	73.4	74.1	71.5	70.2
100°	50.9	49.6	51.7	56.9	59.5	59.5	60.3	58.9	57.6	54.9	52.9
102.5°	39.1	39.1	41.6	47.0	49.0	49.0	48.3	46.3	44.3	41.6	41.6
105°	29.8	30.5	34.4	39.1	40.4	39.7	39.7	37.0	34.4	31.1	31.1
107.5°	22.5	23.1	27.1	31.7	33.0	33.0	31.7	29.2	25.8	23.1	23.1



REPORT NUMBER: P255177

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.6	17.9	21.8	25.8	27.1	26.5	25.8	22.5	19.2	17.2	16.6
112.5°	12.6	13.2	17.2	20.6	21.8	21.8	20.6	17.2	13.9	12.6	12.6
115°	9.3	10.5	13.2	16.6	17.2	17.2	15.9	13.2	9.9	8.6	9.3
117.5°	7.3	8.0	10.5	13.2	13.2	13.2	11.9	9.3	7.3	6.6	6.6
120°	5.9	6.6	8.0	9.9	9.9	9.9	8.6	6.6	5.3	4.6	5.3
122.5°	4.6	5.3	5.9	7.3	7.3	7.3	6.6	4.6	3.3	3.3	4.0
125°	4.6	4.6	4.6	5.3	5.3	5.3	4.6	3.3	2.7	2.7	2.7
127.5°	4.0	4.0	4.0	4.0	4.0	3.3	2.7	1.9	1.3	1.9	1.9
130°	4.0	4.0	3.3	3.3	2.7	1.9	1.3	0.6	0.6	1.3	1.3
132.5°	3.3	3.3	3.3	2.7	1.9	1.3	0.6	0.0	0.0	0.6	0.6
135°	3.3	3.3	2.7	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0
137.5°	2.7	2.7	2.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.7	2.7	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	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

(END OF REPORT)