

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: P266107

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
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-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4734.6 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

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

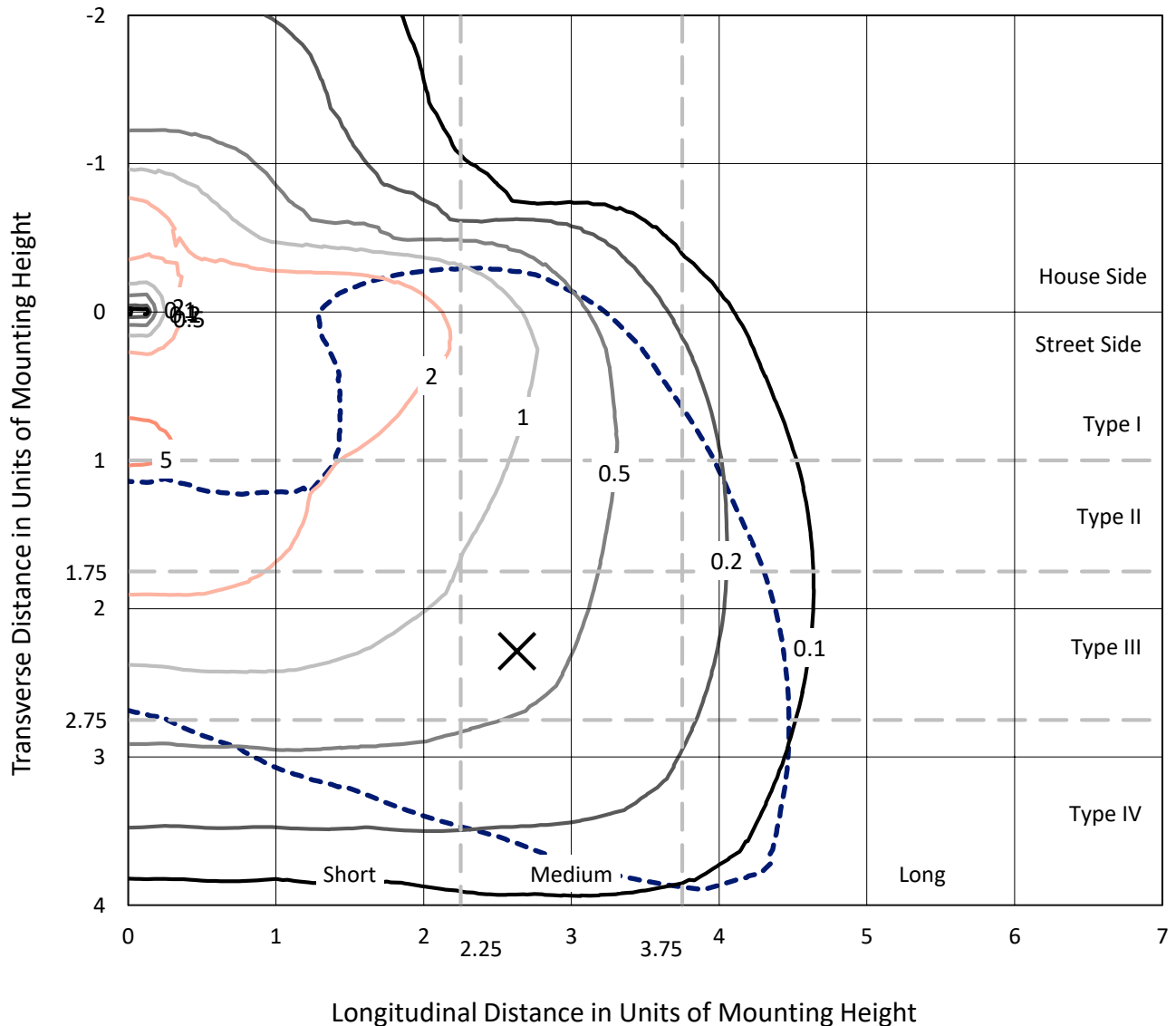


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### Iso-Footcandle Lines of Horizontal Illumination

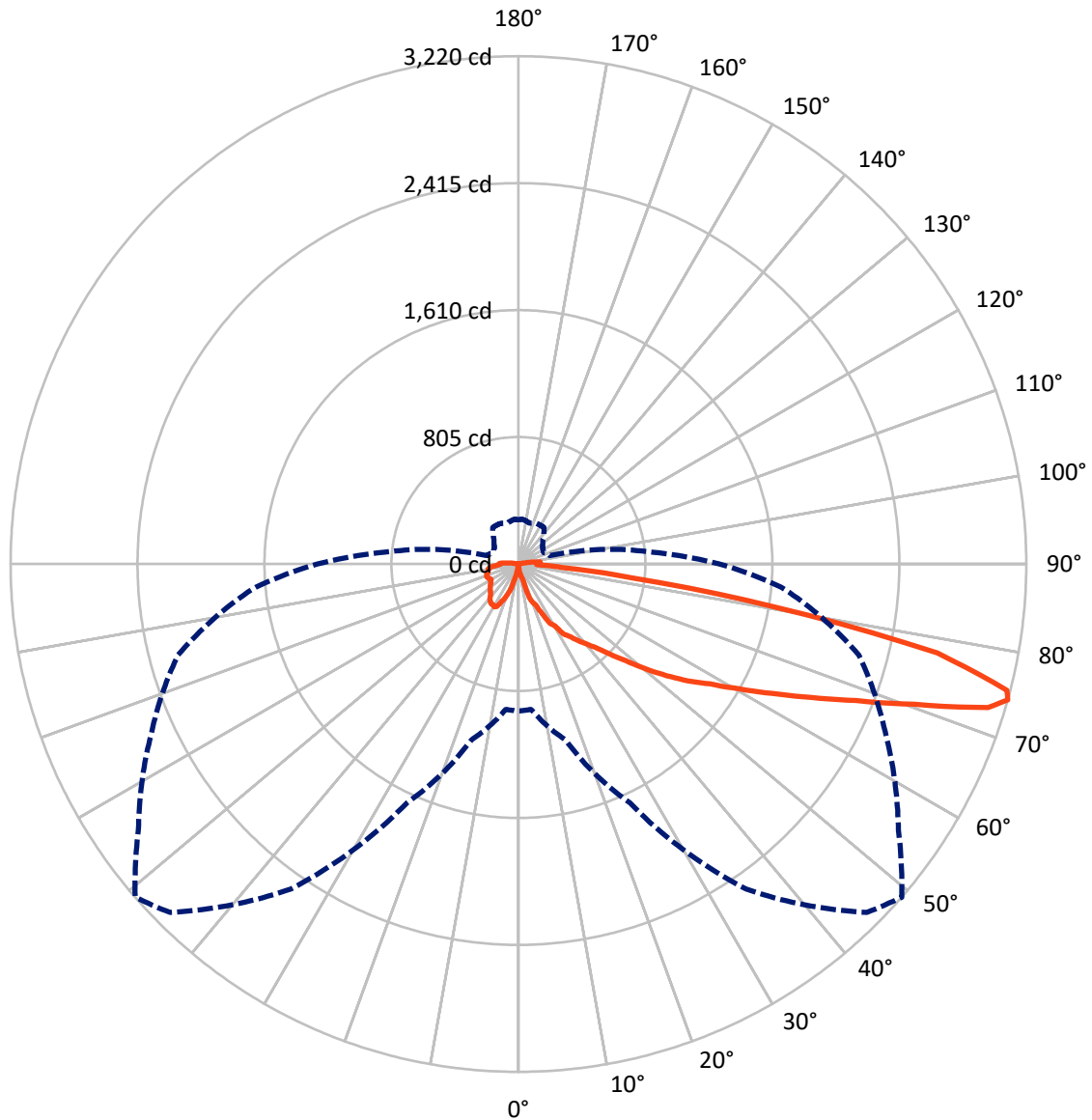
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

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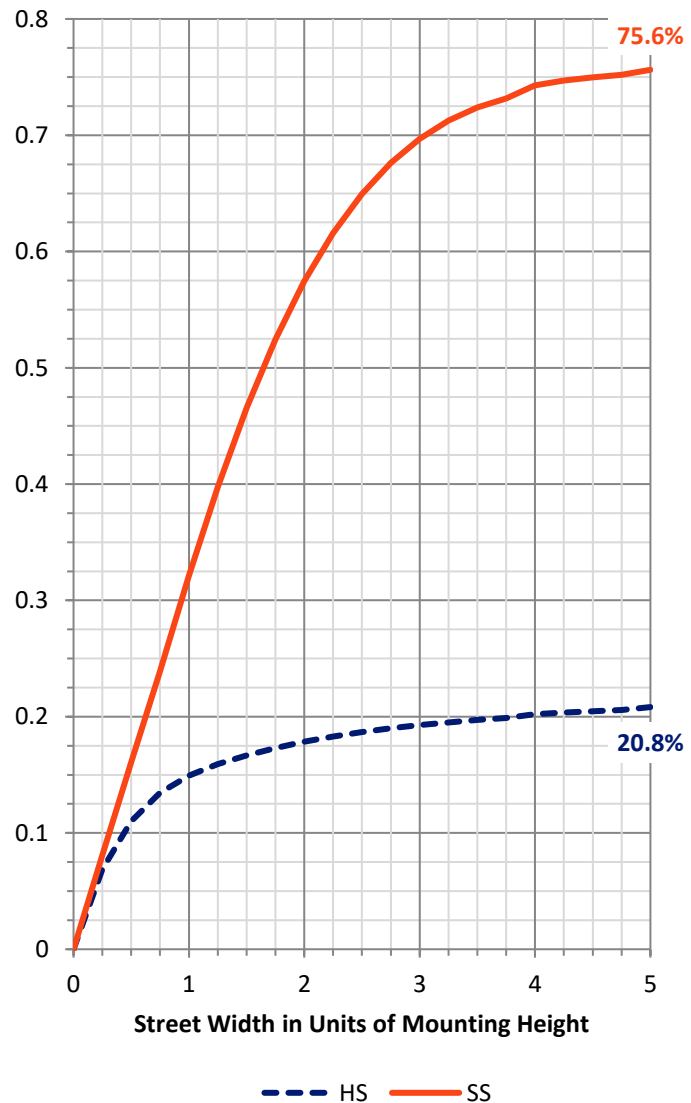
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1044.2	44.8	1089.0
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	3608.1	37.6	3645.6
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	4652.2	82.4	4734.6
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	42.6	0.9
20°-30°	161.6	3.4
30°-40°	343.4	7.3
40°-50°	564.5	11.9
50°-60°	910.4	19.2
60°-70°	1315.5	27.8
70°-80°	1080.0	22.8
80°-90°	231.6	4.9
90°-100°	74.6	1.6
100°-110°	5.9	0.1
110°-120°	0.8	0.0
120°-130°	0.6	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4652.2	98.3
0°-180°	4734.6	100.0



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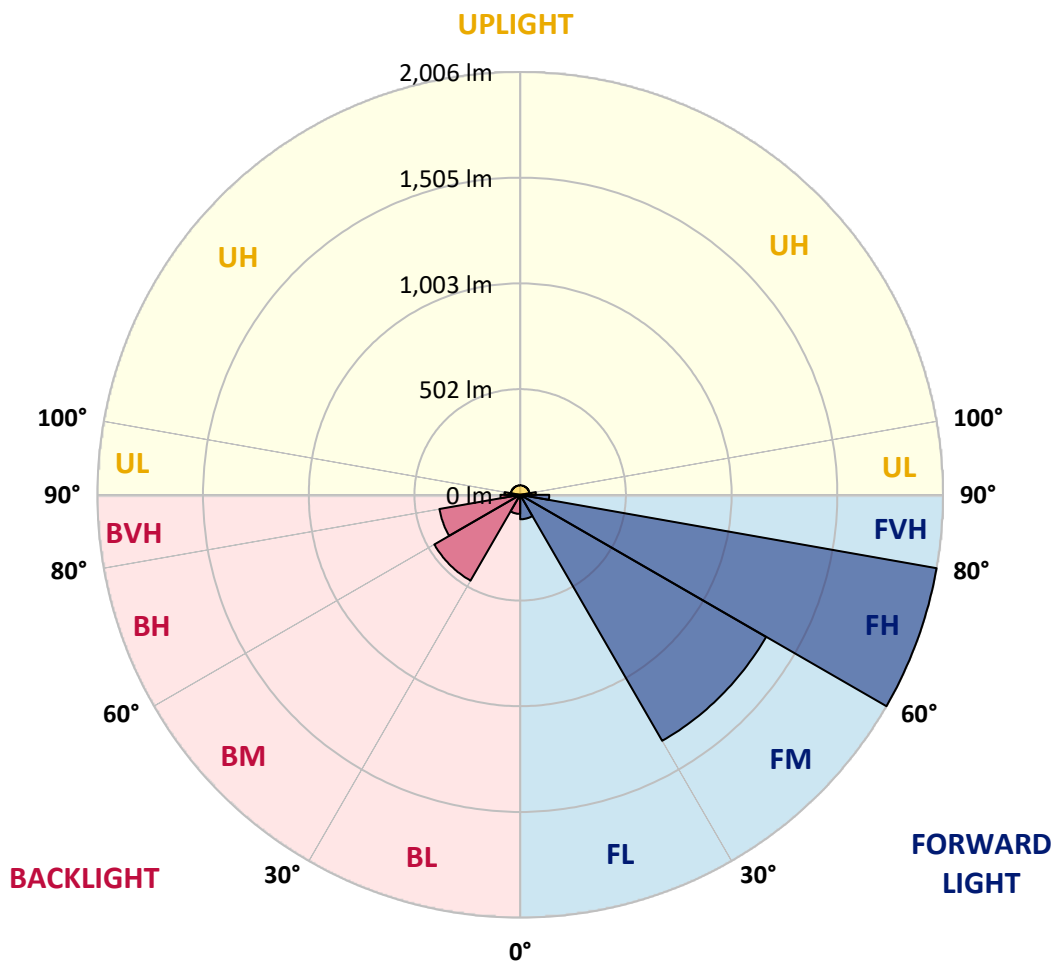
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.0	2.5			
FM	(30°-60°)	1347.8	28.5			
FH	(60°-80°)	2006.4	42.4			G2/5000
FVH	(80°-90°)	137.9	2.9			G2/225
BL	(0°-30°)	90.8	1.9	B0/110		
BM	(30°-60°)	470.5	9.9	B1/1000		
BH	(60°-80°)	389.1	8.2	B1/500		G1/500
BVH	(80°-90°)	93.8	2.0			G1/100
UL	(90°-100°)	74.6	1.6		U3/500	
UH	(100°-180°)	44.8	0.9		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	4.0	3.4	2.9	2.2	2.2	1.6	1.6	1.6	2.2	2.2	2.2
5°	62.9	62.3	56.8	54.0	21.9	13.5	11.8	7.2	2.9	2.2	2.2
7.5°	74.6	73.7	72.0	75.3	70.2	61.3	56.2	32.6	9.1	2.9	2.2
10°	99.0	97.7	89.3	87.0	79.2	72.6	68.5	64.0	26.9	5.6	4.0
12.5°	187.0	180.9	175.9	148.8	100.6	81.4	80.8	75.8	63.5	57.3	69.7
15°	211.3	205.6	197.3	195.6	178.8	107.8	99.0	136.5	161.9	121.5	124.1
17.5°	239.4	242.3	231.0	207.4	192.7	206.3	227.0	200.6	177.5	147.9	150.0
20°	337.1	334.9	325.9	299.0	244.3	265.8	258.5	254.0	207.4	273.1	265.2
22.5°	350.1	349.5	344.9	328.7	351.1	283.1	281.0	313.0	308.5	314.0	302.9
25°	459.0	463.5	449.0	352.3	369.7	361.8	348.9	380.4	344.9	347.9	387.7
27.5°	481.0	478.7	470.9	451.2	391.1	428.8	425.3	403.5	447.9	472.0	474.8
30°	605.2	589.5	509.1	490.6	472.0	449.0	455.1	480.5	500.0	493.3	520.8
32.5°	665.4	661.3	648.4	575.5	510.7	497.3	529.9	538.9	527.7	624.9	672.7
35°	865.8	847.9	744.5	637.7	569.3	561.9	565.3	564.8	641.7	659.1	724.8
37.5°	1117.1	1093.4	1012.0	782.2	621.4	588.3	616.3	645.1	671.6	722.1	772.6
40°	1264.4	1252.0	1186.8	967.0	724.8	640.0	667.5	681.6	716.5	758.0	842.9
42.5°	1377.2	1376.2	1335.2	1097.4	865.8	722.1	727.1	728.7	754.7	822.0	922.6
45°	1454.3	1453.1	1460.5	1219.9	1000.7	815.3	815.9	795.7	814.3	901.9	1033.3
47.5°	1549.8	1532.9	1549.8	1349.8	1117.6	926.1	915.9	868.8	907.5	1012.6	1187.3
50°	1645.2	1629.5	1636.4	1451.4	1233.5	1060.9	1042.9	980.1	1033.3	1151.8	1377.8
52.5°	1770.0	1749.8	1719.4	1558.6	1390.1	1201.4	1176.2	1124.9	1174.4	1327.2	1618.2
55°	1861.6	1846.9	1836.9	1711.0	1500.9	1326.1	1308.7	1250.8	1384.6	1523.3	1875.1
57.5°	1933.0	1938.6	1969.5	1897.6	1708.8	1463.2	1435.1	1411.0	1583.0	1755.4	2150.5
60°	2008.3	1997.7	2073.5	2071.2	1884.6	1600.9	1606.4	1603.1	1785.2	1976.8	2470.2
62.5°	2003.8	2012.3	2148.7	2194.3	2035.7	1784.7	1806.5	1800.4	1992.5	2197.1	2707.3
65°	1822.3	1846.9	2144.3	2248.2	2222.9	2002.1	2038.7	2033.6	2232.5	2384.7	2857.2
67.5°	1703.1	1734.5	2015.0	2292.0	2400.5	2280.7	2310.0	2291.4	2403.9	2489.3	2857.9
70°	1578.4	1600.3	1849.8	2309.5	2592.1	2644.3	2662.8	2548.2	2546.5	2548.9	2623.6
72.5°	1284.5	1287.4	1513.3	2041.9	2675.2	3038.2	3112.9	2861.2	2620.7	2437.0	2107.8
74°	932.3	925.0	1155.3	1670.6	2515.7	3124.2	3220.3	2941.1	2571.3	2234.8	1670.6
75°	672.7	691.8	862.6	1351.4	2270.0	3100.6	3199.0	2924.7	2469.0	2029.6	1358.6
77.5°	214.1	221.4	281.0	569.3	1390.1	2540.9	2715.1	2457.9	1880.2	1282.3	702.4
80°	114.7	119.7	150.0	223.7	583.3	1474.9	1644.2	1427.9	1044.0	644.5	384.4
82.5°	68.5	72.0	98.4	134.8	302.3	612.5	724.8	593.9	508.5	370.9	268.7
85°	44.3	45.5	57.3	83.2	196.1	241.0	282.6	291.1	290.0	260.1	215.8
87.5°	24.8	25.3	26.9	35.5	89.9	126.4	115.3	141.0	168.6	167.4	191.1
90°	17.3	17.3	14.6	15.7	49.4	127.0	115.7	124.1	111.7	131.5	197.3
92.5°	16.3	16.9	13.5	14.1	39.3	124.8	139.3	138.8	114.7	137.7	198.3
95°	13.5	14.6	10.7	11.8	24.8	106.8	138.2	137.7	101.1	109.1	141.0
97.5°	10.7	11.3	7.2	9.1	14.6	54.4	83.2	79.2	53.4	46.1	55.1
100°	6.7	7.2	4.0	6.2	9.1	18.0	29.7	31.5	24.8	11.3	6.7
102.5°	6.7	7.2	2.9	4.0	4.0	5.1	6.7	5.6	7.8	4.0	5.6
105°	6.7	7.2	2.2	1.6	1.1	1.6	1.1	1.6	2.9	3.4	6.7
107.5°	5.1	5.6	1.1	1.1	0.5	1.1	1.1	1.1	1.6	2.9	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	3.4	3.4	0.5	0.5	0.0	1.1	1.1	1.1	1.6	2.2	3.4
112.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	1.6	1.6	2.2
115°	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.6	2.9
117.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.9
120°	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.9
122.5°	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.9
125°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.9
127.5°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2
130°	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2
132.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
142.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1
145°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.6
147.5°	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	1.1	1.6	1.6
150°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.6	1.6	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.1	1.1	0.5	0.5	1.1	1.6	2.9	4.0	4.0
7.5°	2.2	1.6	1.6	1.6	1.6	7.8	28.7	50.0	62.9	67.5	66.4
10°	4.0	3.4	3.4	3.4	16.9	55.1	73.7	75.3	80.8	82.0	81.4
12.5°	84.4	72.0	44.9	21.4	59.0	77.0	80.4	86.0	89.9	117.9	123.6
15°	124.8	123.1	119.7	126.4	137.1	88.3	108.4	144.9	164.1	171.3	173.6
17.5°	149.5	147.2	137.7	159.5	169.2	167.4	161.9	173.6	176.4	183.2	182.6
20°	271.4	265.8	237.2	188.3	177.0	222.5	182.6	183.2	227.6	254.0	251.7
22.5°	299.4	296.7	281.0	276.5	238.2	235.4	244.3	250.5	270.3	279.8	278.7
25°	388.8	385.5	312.4	286.6	290.5	249.5	291.6	272.5	281.0	306.2	302.9
27.5°	482.1	474.2	417.0	349.5	291.1	310.2	293.8	321.5	350.1	365.3	366.9
30°	527.0	513.0	446.2	367.4	319.2	306.9	309.0	350.6	355.6	368.7	371.4
32.5°	696.1	684.4	568.6	377.6	319.7	293.3	324.7	342.8	396.7	424.8	427.1
35°	743.9	733.8	573.7	423.7	308.5	303.9	307.4	356.7	384.4	404.5	407.9
37.5°	795.7	778.2	583.3	397.8	317.6	283.1	297.2	324.2	372.0	406.8	415.8
40°	868.8	837.2	577.6	370.9	295.1	276.5	275.3	307.4	328.2	344.9	347.9
42.5°	961.9	908.0	581.1	345.6	274.8	257.4	261.9	276.5	283.8	284.9	284.9
45°	1076.6	996.3	595.7	324.7	258.0	248.4	250.1	254.0	255.1	241.6	239.9
47.5°	1231.1	1109.8	608.1	308.5	245.5	242.3	237.2	239.4	234.8	216.9	214.7
50°	1414.3	1245.2	618.7	289.3	234.3	233.7	232.7	224.1	216.3	199.5	197.3
52.5°	1610.4	1405.4	624.3	268.7	225.4	227.0	228.1	214.1	202.8	189.9	188.9
55°	1866.7	1591.8	637.7	249.5	214.7	218.0	224.1	210.2	199.5	191.1	196.1
57.5°	2119.6	1798.6	626.6	232.0	206.8	209.6	219.1	213.5	208.4	208.4	209.6
60°	2364.5	1977.9	556.9	218.0	199.5	202.8	223.0	233.2	232.7	243.4	246.1
62.5°	2529.2	2071.2	454.1	205.6	193.2	206.3	241.6	265.2	261.2	265.8	268.1
65°	2596.0	2065.7	346.1	196.6	189.4	220.9	262.9	286.0	271.4	261.2	259.0
67.5°	2525.2	1941.3	281.0	189.4	189.4	234.3	281.0	287.2	271.4	271.9	268.1
70°	2238.0	1652.1	241.6	182.0	192.1	232.0	290.0	285.4	271.9	281.4	275.9
72.5°	1679.6	1177.1	216.9	177.0	191.1	223.0	284.9	284.9	273.7	292.2	286.6
74°	1273.8	853.0	206.3	175.3	185.4	218.6	283.1	282.1	269.1	285.4	279.8
75°	1003.5	651.8	199.5	173.1	182.0	215.8	280.5	279.3	266.8	284.4	279.8
77.5°	513.0	340.5	183.8	169.2	173.6	211.8	273.1	273.7	258.0	274.3	270.8
80°	327.1	258.0	163.5	156.2	167.4	212.4	268.7	265.8	247.8	265.8	258.0
82.5°	260.7	213.0	132.6	135.5	159.5	209.0	265.8	252.9	234.8	261.9	234.8
85°	209.0	179.2	91.5	100.0	141.7	192.1	253.4	226.5	207.9	211.8	208.4
87.5°	176.4	144.9	43.3	65.1	110.8	147.2	188.3	175.3	161.2	168.1	160.6
90°	178.8	139.3	30.9	50.0	100.0	122.4	150.0	131.5	123.6	125.9	121.5
92.5°	173.6	133.2	31.5	41.6	97.7	134.2	158.5	134.2	118.5	114.1	110.1
95°	117.5	92.2	29.3	32.6	62.3	105.6	128.1	101.7	82.6	73.0	70.2
97.5°	44.9	40.5	25.3	26.9	32.6	56.2	74.2	65.1	44.3	32.0	30.4
100°	6.7	11.3	20.8	25.3	19.1	21.4	30.9	34.9	22.5	2.2	1.6
102.5°	7.2	6.2	8.4	19.1	11.3	4.5	9.5	19.1	12.3	1.1	1.1
105°	8.4	6.7	3.4	8.4	2.9	0.5	0.5	4.0	2.9	0.5	1.1
107.5°	7.2	6.2	2.2	1.6	0.5	0.5	0.0	0.0	0.0	0.5	1.1



REPORT NUMBER: P266107

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-CL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.0	4.0	2.2	1.1	0.5	0.5	0.0	0.0	0.0	1.1	1.1
112.5°	2.9	2.9	1.6	1.1	0.5	0.0	0.0	0.0	0.0	1.1	1.6
115°	3.4	2.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	1.6	1.6
117.5°	3.4	3.4	1.6	0.5	0.0	0.0	0.0	0.0	0.0	1.6	2.2
120°	3.4	3.4	1.6	0.5	0.0	0.0	0.0	0.0	0.0	1.6	1.6
122.5°	3.4	2.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	1.1	1.6
125°	2.9	2.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	1.1	1.1
127.5°	2.9	2.9	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1
130°	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
132.5°	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.0	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)