

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: P266126

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266126  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
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-T2U-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5459.9 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

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

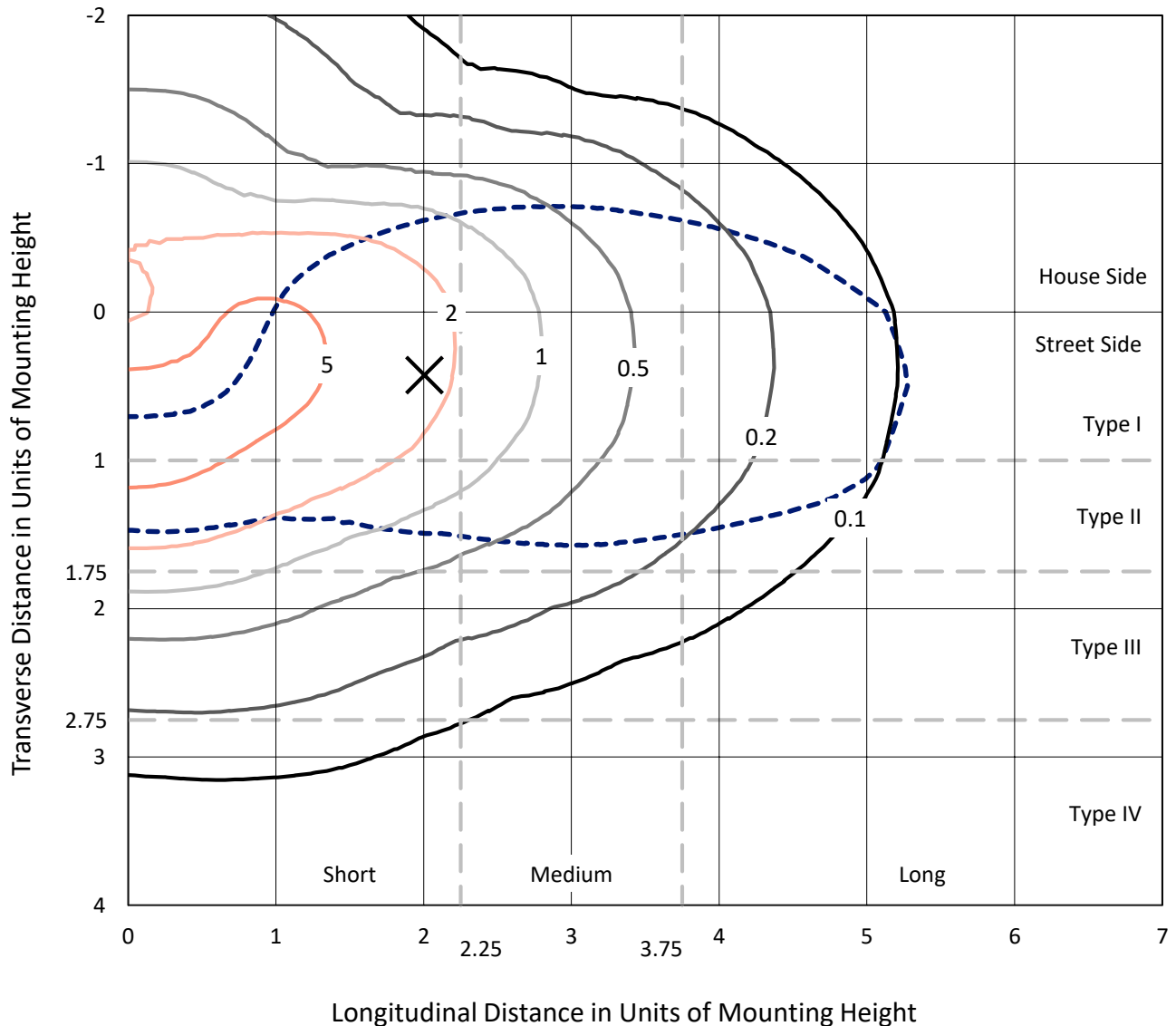


REPORT NUMBER: P266126

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

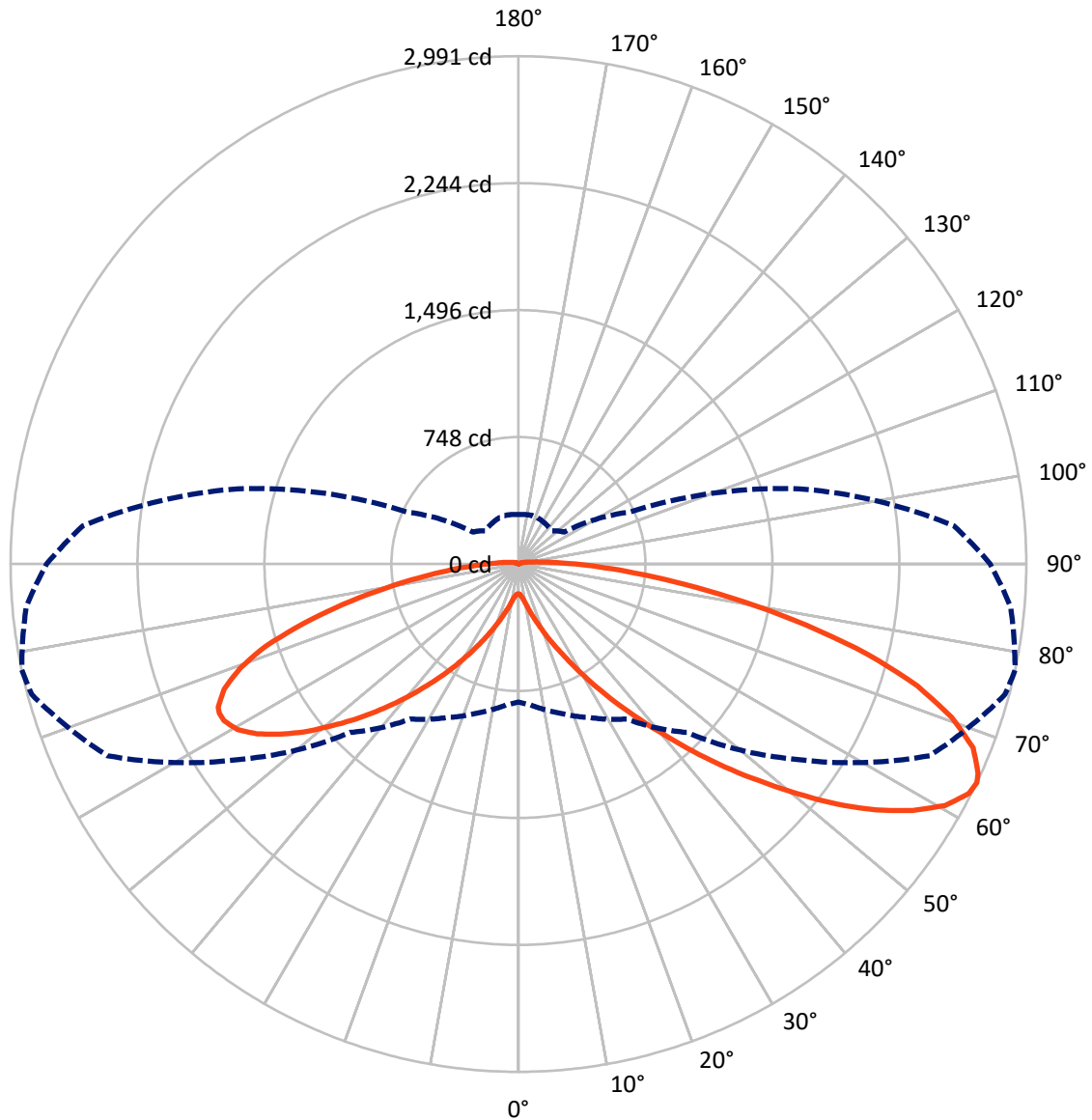


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P266126

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

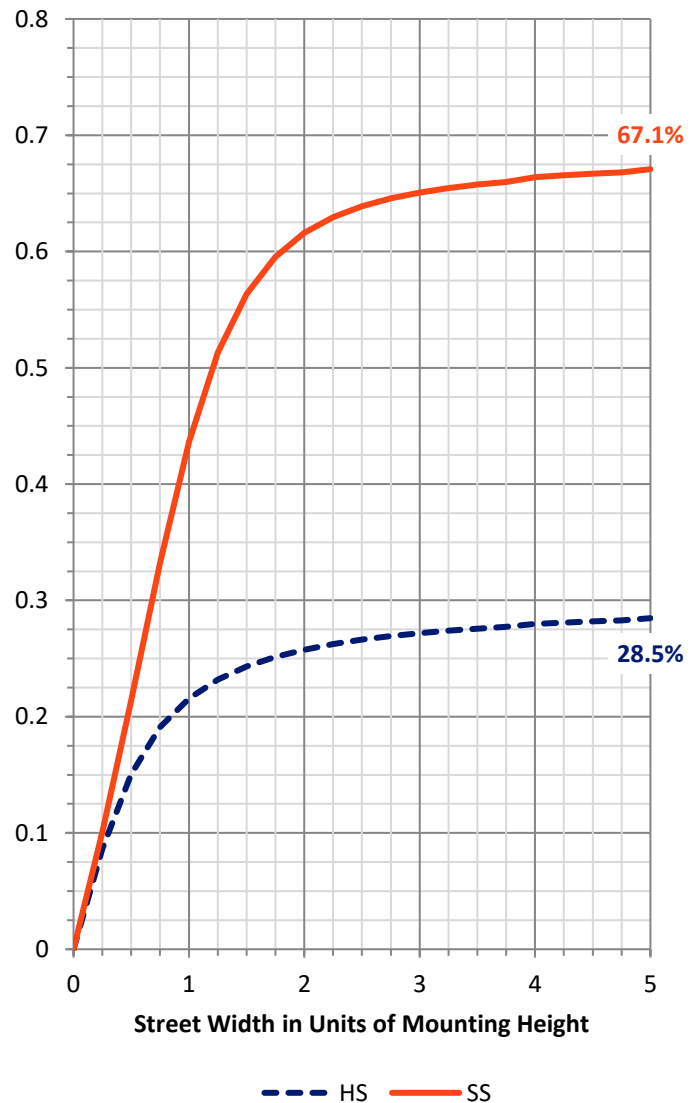
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1603.2	73.8	1677.0
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	3713.0	70.0	3783.0
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	5316.2	143.8	5459.9
	% Fixture	97.4	2.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.2	0.4
10°-20°	88.5	1.6
20°-30°	246.8	4.5
30°-40°	536.1	9.8
40°-50°	925.9	17.0
50°-60°	1225.8	22.5
60°-70°	1195.9	21.9
70°-80°	777.3	14.2
80°-90°	300.8	5.5
90°-100°	86.8	1.6
100°-110°	33.0	0.6
110°-120°	14.3	0.3
120°-130°	6.3	0.1
130°-140°	2.6	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5316.2	97.4
0°-180°	5459.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P266126

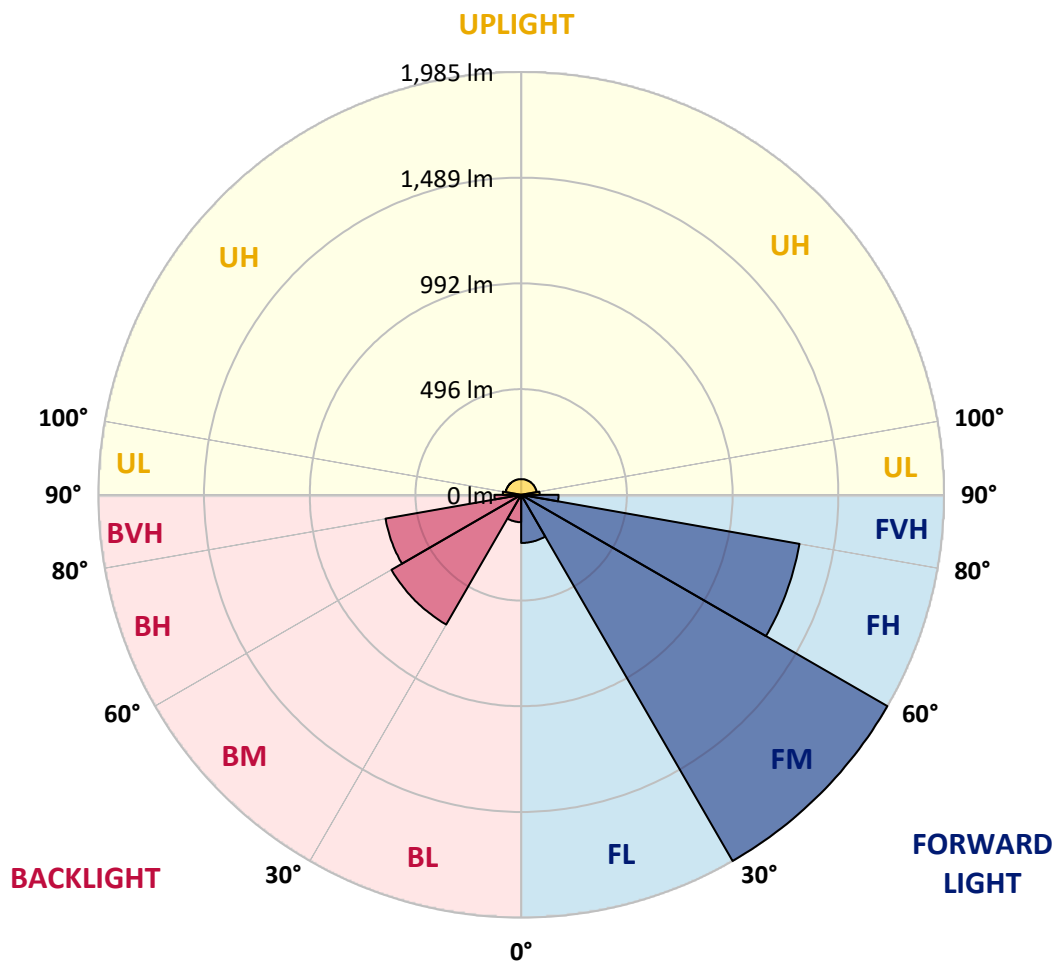
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.0	4.1			
FM	(30°-60°)	1984.8	36.4			
FH	(60°-80°)	1326.7	24.3			G1/1800
FVH	(80°-90°)	175.4	3.2			G2/225
BL	(0°-30°)	128.4	2.4	B1/500		
BM	(30°-60°)	703.0	12.9	B1/1000		
BH	(60°-80°)	646.4	11.8	B2/1000		G2/1000
BVH	(80°-90°)	125.4	2.3			G2/225
UL	(90°-100°)	86.8	1.6		U3/500	
UH	(100°-180°)	73.8	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





REPORT NUMBER: P266126

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	190.3	189.6	189.6	190.3	188.4	187.7	185.7	183.2	181.2	180.5	178.6
5°	211.0	209.8	208.4	209.0	207.1	203.8	200.6	196.8	193.4	192.1	189.0
7.5°	235.6	237.1	234.4	233.1	230.5	227.2	221.4	216.9	212.3	210.4	207.1
10°	274.6	275.3	270.7	271.4	263.7	259.7	254.0	246.0	240.8	237.6	233.1
12.5°	327.9	327.3	322.0	320.2	310.4	303.2	294.1	285.0	279.8	276.0	268.1
15°	392.7	391.5	388.2	380.5	365.6	356.4	345.5	331.8	324.6	319.4	311.1
17.5°	469.5	470.2	463.6	453.3	433.2	420.0	403.9	385.7	375.3	368.1	359.1
20°	564.9	565.6	553.9	539.0	512.9	494.7	467.5	450.6	434.4	430.5	416.3
22.5°	678.5	678.0	660.3	640.9	605.7	578.6	548.7	521.3	502.5	497.4	481.9
25°	807.8	806.5	784.9	764.3	711.6	676.0	637.0	603.2	584.3	573.9	556.5
27.5°	959.7	957.1	928.5	898.7	831.8	779.2	731.8	700.0	676.6	662.9	643.5
30°	1123.3	1120.7	1086.3	1037.6	965.5	905.1	842.8	805.8	779.2	768.8	742.2
32.5°	1299.8	1294.7	1254.5	1195.4	1110.3	1033.7	970.7	928.5	896.1	885.6	851.2
35°	1479.1	1472.1	1429.2	1360.4	1262.3	1178.4	1114.2	1070.2	1029.7	1016.2	974.7
37.5°	1651.3	1641.5	1607.6	1520.7	1421.4	1343.4	1271.3	1216.1	1172.0	1159.7	1105.2
40°	1787.5	1781.7	1750.5	1666.7	1571.9	1493.4	1438.2	1394.1	1338.3	1319.4	1261.0
42.5°	1891.4	1885.6	1861.6	1792.1	1707.7	1653.8	1607.6	1575.8	1527.8	1507.6	1425.3
45°	1945.3	1936.8	1926.5	1876.5	1818.7	1792.1	1786.3	1774.6	1727.8	1704.4	1608.3
47.5°	1933.1	1929.1	1938.8	1908.3	1885.6	1909.0	1958.9	1982.4	1928.4	1907.0	1805.8
50°	1855.1	1860.3	1885.0	1882.4	1904.4	1983.6	2109.6	2186.8	2153.1	2124.5	2014.2
52.5°	1724.6	1731.8	1775.9	1799.9	1863.5	2013.6	2226.4	2379.7	2382.9	2349.8	2225.2
55°	1553.2	1568.7	1622.6	1669.4	1771.9	1979.1	2295.3	2542.1	2590.7	2556.9	2424.5
57.5°	1350.0	1372.6	1431.7	1509.1	1628.4	1885.0	2309.0	2663.5	2766.7	2738.8	2612.2
60°	1138.2	1154.5	1227.9	1314.8	1434.4	1740.7	2252.5	2727.2	2904.9	2887.5	2784.2
62.5°	930.5	948.6	1024.0	1119.4	1236.2	1536.3	2118.1	2722.6	2969.3	2977.7	2886.2
64°	813.0	833.1	907.1	997.4	1114.2	1403.2	2006.4	2671.9	2968.0	2991.4	2910.9
65°	739.6	759.6	832.4	922.0	1036.4	1310.9	1922.6	2623.2	2955.7	2975.1	2911.4
67.5°	577.9	594.0	662.9	755.1	846.7	1080.4	1657.1	2431.1	2855.7	2888.1	2851.1
70°	444.1	459.8	522.8	607.8	684.4	878.5	1368.7	2149.9	2662.8	2708.3	2690.8
72.5°	341.5	354.6	410.3	484.4	546.7	694.7	1093.4	1817.5	2383.7	2457.7	2460.8
75°	263.7	274.1	320.2	384.4	433.7	540.2	852.0	1459.7	2027.8	2125.8	2148.6
77.5°	205.8	212.3	249.3	301.9	342.2	413.0	640.9	1123.3	1636.3	1733.6	1774.0
80°	161.7	166.8	195.4	237.1	268.9	310.4	469.5	831.1	1254.5	1342.7	1381.1
82.5°	125.4	129.8	152.6	186.4	211.0	238.3	335.6	592.2	912.9	985.7	1016.8
85°	95.4	98.8	118.1	143.5	163.6	183.2	234.4	404.5	635.7	690.8	712.3
87.5°	70.7	73.4	89.7	110.4	125.4	140.2	170.8	267.5	427.2	466.8	482.4
90°	51.4	53.2	66.3	83.7	96.7	107.7	124.1	177.2	274.6	301.3	313.0
92.5°	36.3	38.3	48.7	63.1	75.3	84.4	95.4	123.3	176.0	190.3	199.3
95°	26.6	27.8	35.8	47.4	58.4	66.8	75.9	89.7	116.2	124.1	127.3
97.5°	20.1	20.8	27.3	36.3	46.2	53.2	59.7	68.2	81.8	85.7	87.7
100°	15.6	16.2	21.4	29.3	37.0	43.5	48.1	53.2	60.4	63.1	64.3
102.5°	12.9	13.7	17.5	24.1	30.5	35.8	39.6	42.8	46.2	47.4	49.3
105°	11.7	11.7	15.6	20.8	26.1	30.5	33.7	35.0	35.8	36.3	37.0
107.5°	9.7	10.4	13.7	18.1	22.7	26.6	28.6	28.6	27.3	27.3	27.8



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	9.2	9.2	11.7	15.6	20.1	22.7	24.1	22.7	20.1	20.1	20.8
112.5°	7.7	8.4	10.4	13.7	17.5	20.1	20.1	18.1	14.9	14.9	15.6
115°	7.1	7.1	9.2	12.3	14.9	16.9	16.9	14.9	11.0	11.0	11.7
117.5°	6.5	6.5	7.7	10.4	12.9	14.9	14.4	11.7	8.4	8.4	9.7
120°	6.5	6.5	7.1	9.2	11.0	12.3	11.7	9.2	6.5	6.5	7.7
122.5°	5.8	5.8	6.5	7.7	9.7	10.4	9.7	7.1	5.2	5.8	6.5
125°	5.8	5.8	5.8	7.1	8.4	9.2	8.4	5.8	4.5	4.5	5.2
127.5°	5.2	5.2	5.2	5.8	7.1	7.7	6.5	4.5	4.0	4.0	4.5
130°	5.2	5.2	4.5	5.2	6.5	6.5	5.2	3.2	2.5	3.2	4.0
132.5°	4.5	4.5	4.5	4.5	5.2	5.2	4.5	2.5	2.5	2.5	3.2
135°	4.5	4.5	4.0	4.0	4.5	4.5	3.2	1.9	1.9	1.9	2.5
137.5°	4.0	4.0	4.0	3.2	3.2	3.2	2.5	1.3	1.3	1.9	1.9
140°	3.2	3.2	3.2	2.5	2.5	1.9	1.3	0.7	1.3	1.3	1.9
142.5°	2.5	2.5	2.5	1.9	1.9	1.3	0.7	0.7	0.7	1.3	1.3
145°	1.9	1.9	1.9	1.3	1.3	0.7	0.7	0.7	0.7	0.7	1.3
147.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	178.0	177.2	175.3	174.0	172.7	171.4	171.4	170.0	169.5	168.8	168.8
5°	188.4	185.7	182.4	179.9	176.5	173.4	170.8	168.8	167.5	166.8	166.2
7.5°	203.8	200.6	194.8	190.3	184.4	179.9	176.0	172.0	170.8	169.5	169.5
10°	229.8	223.9	215.6	207.1	199.3	191.6	186.9	181.7	180.5	179.2	179.2
12.5°	264.3	258.4	244.8	233.1	220.8	210.4	203.2	198.6	197.4	195.4	196.1
15°	305.2	294.7	279.8	262.9	247.5	233.1	224.7	217.5	214.2	212.3	213.0
17.5°	351.2	339.6	318.2	296.1	276.0	260.4	246.0	235.6	230.5	228.6	228.6
20°	404.5	391.5	364.3	334.3	308.4	286.3	268.1	252.6	246.0	243.5	243.5
22.5°	467.5	451.3	413.6	375.3	342.9	310.4	286.3	267.5	259.7	257.2	257.2
25°	540.2	518.9	470.7	423.3	374.7	331.1	300.7	280.5	271.4	268.1	268.1
27.5°	616.1	596.0	533.8	473.3	406.5	348.1	311.7	289.7	279.3	277.2	276.6
30°	712.3	683.7	603.2	520.7	433.7	359.7	316.3	294.7	284.5	282.4	282.4
32.5°	813.0	779.2	681.8	570.2	454.5	364.9	316.8	296.7	287.6	285.8	285.0
35°	931.2	887.6	763.6	620.8	473.3	366.9	316.3	298.1	291.0	288.3	287.6
37.5°	1059.7	1004.5	849.9	667.5	483.1	363.6	314.2	297.3	292.2	289.0	288.3
40°	1198.6	1135.0	948.6	705.2	484.4	357.2	310.4	298.1	292.8	289.0	287.6
42.5°	1353.8	1277.2	1044.1	739.6	480.6	349.4	307.8	298.1	293.4	289.0	287.6
45°	1526.5	1433.1	1144.1	766.2	470.2	340.3	305.2	298.1	294.1	288.3	287.6
47.5°	1710.9	1599.9	1246.7	786.9	457.1	331.1	303.8	299.3	296.1	289.0	288.3
50°	1903.8	1775.9	1346.0	800.6	441.5	322.8	302.5	299.3	297.3	289.7	289.0
52.5°	2111.6	1962.2	1453.7	807.8	423.3	314.2	301.3	300.7	298.6	291.5	290.2
55°	2305.1	2141.4	1549.9	807.8	404.5	306.5	299.9	301.3	300.7	293.4	292.2
57.5°	2485.6	2306.4	1634.3	798.1	384.4	298.6	297.3	300.7	301.3	294.7	293.4
60°	2641.3	2450.4	1694.1	782.5	363.6	291.0	294.1	299.3	301.3	295.5	294.1
62.5°	2746.6	2550.5	1714.1	749.2	341.5	282.4	288.3	295.5	299.3	294.1	292.8
64°	2779.0	2575.8	1709.7	724.7	327.9	277.2	284.5	292.8	296.7	292.8	291.5
65°	2788.2	2579.8	1693.5	703.8	319.4	273.4	281.2	290.2	294.7	291.0	289.7
67.5°	2733.6	2512.2	1613.5	642.2	299.3	262.9	272.0	281.2	287.0	285.0	283.8
70°	2594.7	2369.3	1481.8	574.6	278.6	250.6	259.7	269.4	276.6	275.3	274.6
72.5°	2365.4	2144.1	1315.5	495.4	257.8	237.1	243.5	254.5	261.6	261.0	259.7
75°	2062.1	1847.3	1086.9	423.3	235.0	219.5	226.0	235.6	242.8	241.6	241.6
77.5°	1707.7	1501.8	872.7	350.0	214.2	200.6	206.5	214.2	220.8	218.7	218.2
80°	1330.4	1155.8	666.8	285.0	192.1	180.5	184.4	190.3	196.1	193.4	192.9
82.5°	977.8	845.5	491.6	228.6	170.0	157.8	161.1	166.2	169.5	166.8	166.2
85°	685.6	590.8	355.8	181.7	146.2	135.7	136.4	139.0	141.6	137.7	137.0
87.5°	462.3	396.2	246.8	144.2	123.3	114.3	113.6	115.0	116.9	112.9	111.0
90°	303.2	258.4	168.8	116.9	103.2	95.4	94.1	94.1	94.9	90.3	88.9
92.5°	192.1	167.5	122.7	95.4	86.3	79.2	77.3	76.6	75.9	71.4	70.7
95°	125.4	115.0	94.1	79.2	71.4	65.5	63.6	62.3	61.1	57.9	56.6
97.5°	88.4	83.2	74.6	65.5	59.7	54.5	52.6	50.7	49.3	45.5	44.7
100°	66.3	64.3	60.4	54.5	49.9	45.5	43.5	41.5	40.2	36.3	35.8
102.5°	51.4	51.4	49.3	45.5	41.5	37.6	36.3	34.5	32.5	29.9	29.3
105°	39.6	39.6	40.2	38.3	35.0	32.5	30.5	29.3	27.3	24.1	24.1
107.5°	29.9	31.3	32.5	31.8	29.9	27.3	26.1	24.7	22.1	20.1	20.1



REPORT NUMBER: P266126

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T2U-TL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.7	23.4	26.1	26.6	25.3	23.4	22.1	20.1	18.1	16.2	16.2
112.5°	16.9	18.1	20.8	22.1	21.4	20.1	18.9	16.9	14.4	13.7	13.7
115°	12.9	14.4	16.9	18.1	18.1	16.9	15.6	13.7	11.7	11.0	11.7
117.5°	10.4	11.7	13.7	14.9	14.9	13.7	12.9	11.0	9.7	9.7	9.7
120°	8.4	9.7	11.0	12.3	12.3	11.7	10.4	9.2	7.7	8.4	8.4
122.5°	7.1	7.7	9.2	9.7	10.4	9.7	8.4	7.1	6.5	7.1	7.1
125°	5.8	6.5	7.7	7.7	8.4	7.7	7.1	5.8	5.2	5.8	5.8
127.5°	5.2	5.8	6.5	6.5	7.1	6.5	5.8	4.5	4.5	5.2	5.2
130°	4.0	4.5	5.2	5.2	5.8	5.2	4.5	4.0	4.0	4.5	4.5
132.5°	3.2	4.0	4.0	4.5	4.5	4.5	4.0	2.5	3.2	3.2	3.2
135°	3.2	3.2	4.0	3.2	3.2	3.2	2.5	1.9	2.5	2.5	2.5
137.5°	2.5	2.5	3.2	3.2	2.5	2.5	1.9	1.3	1.9	2.5	2.5
140°	1.9	2.5	2.5	2.5	2.5	1.9	1.3	0.7	1.3	1.3	1.3
142.5°	1.9	1.9	2.5	2.5	1.9	1.3	0.7	0.0	0.7	0.7	0.7
145°	1.3	1.9	1.9	1.9	1.3	1.3	0.7	0.0	0.0	0.7	0.0
147.5°	1.3	1.3	1.9	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
150°	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.7	0.7	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)