

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: P266089

Luminaire Tested: **LXF.LXT-AF24-50-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)
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-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4567.7 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - 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

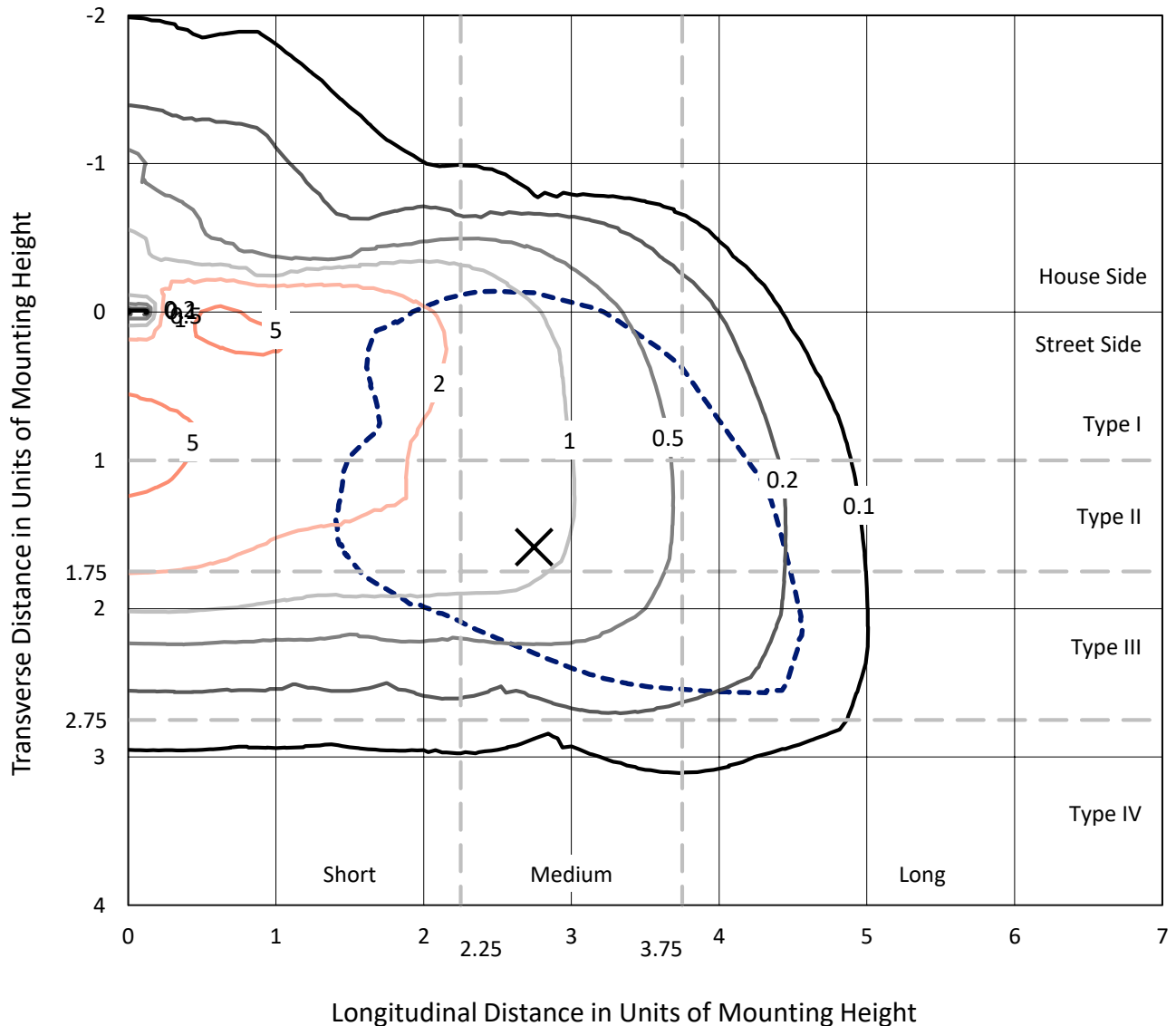


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

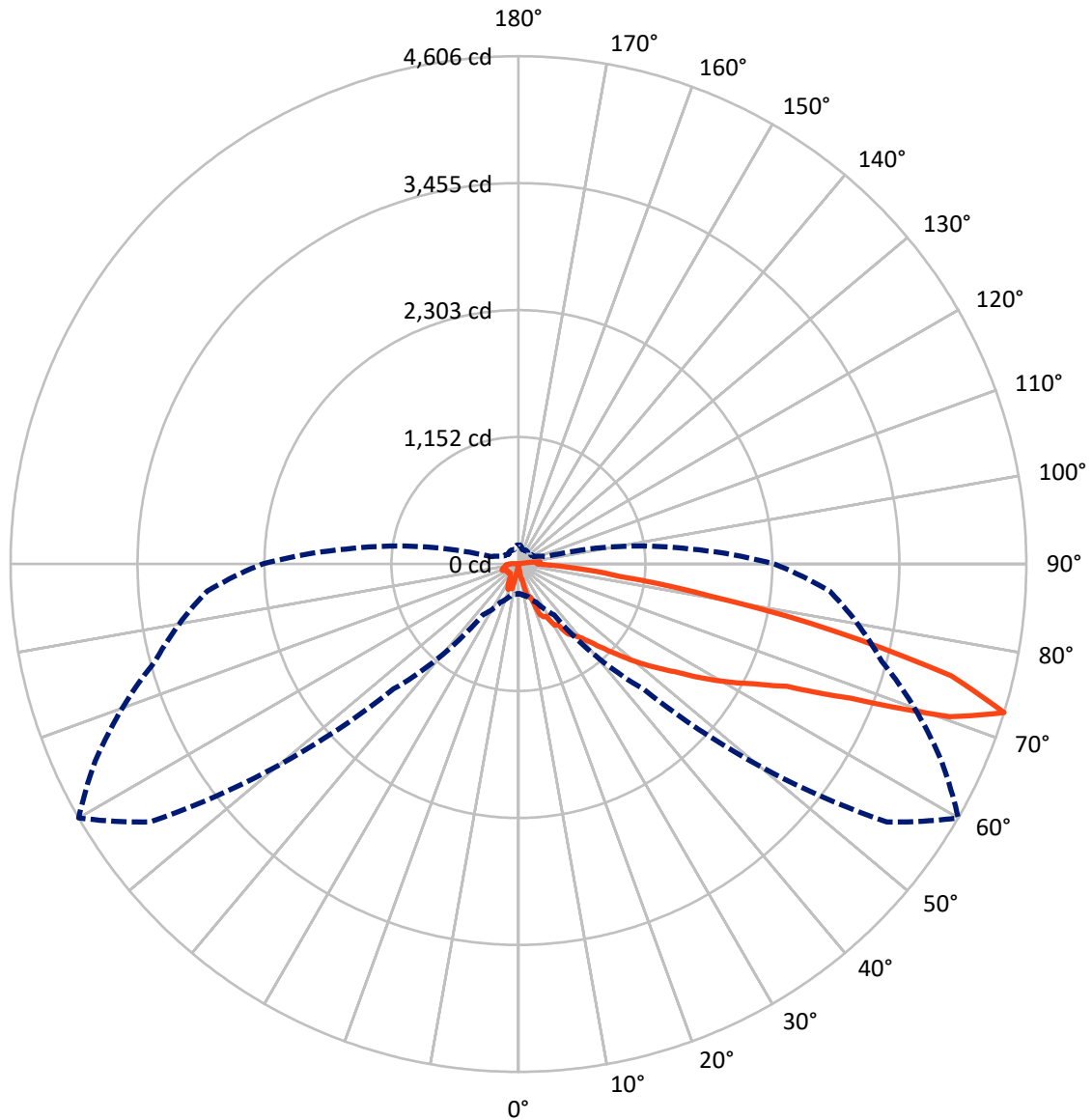


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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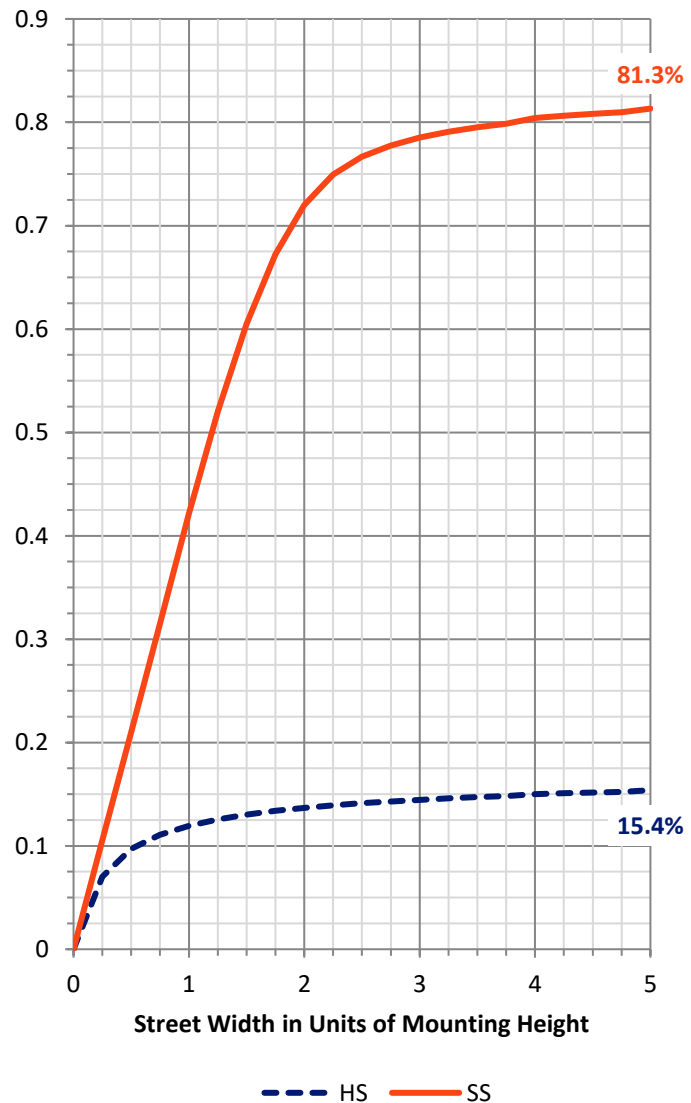
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.2	29.7	770.9
	% Fixture	16.2	0.7	16.9
Street Side	Lumens	3758.8	38.0	3796.8
	% Fixture	82.3	0.8	83.1
Total	Lumens	4500.0	67.7	4567.7
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	61.2	1.3
20°-30°	179.6	3.9
30°-40°	357.8	7.8
40°-50°	615.1	13.5
50°-60°	941.0	20.6
60°-70°	1186.1	26.0
70°-80°	944.1	20.7
80°-90°	210.0	4.6
90°-100°	59.0	1.3
100°-110°	5.8	0.1
110°-120°	1.1	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4500.0	98.5
0°-180°	4567.7	100.0

Coefficient of Utilization



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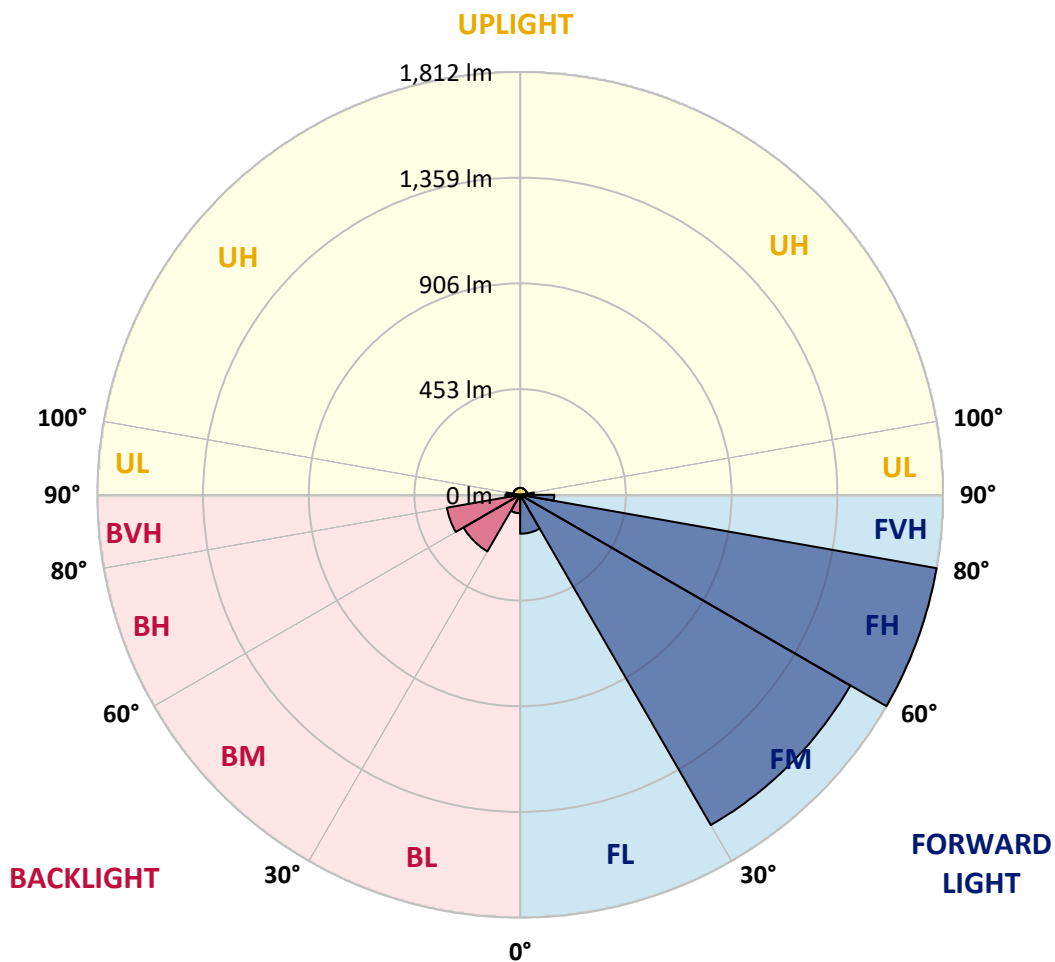
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.8	3.7			
FM (30°-60°)	1634.1	35.8			
FH (60°-80°)	1811.8	39.7			G2/5000
FVH (80°-90°)	146.1	3.2			G2/225
BL (0°-30°)	79.0	1.7	B0/110		
BM (30°-60°)	279.8	6.1	B1/1000		
BH (60°-80°)	318.5	7.0	B1/500		G1/500
BVH (80°-90°)	63.9	1.4			G1/100
UL (90°-100°)	59.0	1.3		U3/500	
UH (100°-180°)	29.7	0.7		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.2	2.9	2.2	2.9	2.9	2.2	1.6	2.2	2.2	2.2	1.6
5°	140.0	141.7	126.4	99.0	19.1	13.5	4.5	2.9	2.9	2.2	2.2
7.5°	141.0	142.2	148.3	146.2	148.8	142.2	49.4	14.6	6.2	2.9	2.2
10°	151.8	151.2	149.5	152.8	152.4	144.9	140.0	133.8	30.4	4.0	3.4
12.5°	292.8	293.8	286.6	231.6	161.2	149.5	144.4	140.0	114.1	81.4	189.4
15°	295.1	293.3	285.4	297.8	293.3	171.3	239.9	306.2	308.5	229.2	263.6
17.5°	310.2	306.2	296.7	288.3	286.6	342.3	322.0	305.2	310.8	266.9	285.4
20°	422.1	418.2	413.0	402.9	306.9	390.6	389.4	325.4	328.2	532.8	519.2
22.5°	428.8	422.1	418.2	412.4	459.2	383.8	461.9	495.1	496.8	565.4	547.8
25°	569.9	567.5	532.2	428.8	458.0	436.7	529.9	531.0	519.8	594.5	653.0
27.5°	631.1	613.1	580.5	561.4	471.5	521.5	528.8	537.1	675.4	805.8	786.1
30°	848.0	824.4	647.9	631.1	558.6	529.3	610.3	642.3	698.5	809.3	814.3
32.5°	979.0	946.9	858.2	786.1	662.5	582.1	653.0	657.5	703.6	1008.6	1029.5
35°	1209.8	1167.6	961.5	875.5	773.8	693.4	676.6	782.2	845.1	1053.1	1066.0
37.5°	1254.8	1254.8	1195.9	1043.6	887.9	778.3	796.3	821.5	886.2	1134.0	1128.5
40°	1299.2	1304.2	1315.5	1186.2	1011.5	902.4	876.7	880.6	941.2	1226.6	1202.6
42.5°	1409.4	1405.4	1424.0	1296.3	1177.8	1040.6	997.9	976.6	1020.5	1346.4	1296.3
45°	1599.8	1599.8	1585.8	1412.1	1303.7	1178.9	1138.5	1099.2	1114.8	1463.9	1425.0
47.5°	1835.9	1809.5	1734.6	1547.1	1413.8	1308.2	1274.4	1238.0	1245.8	1603.1	1578.5
50°	2012.8	1984.7	1842.1	1644.7	1504.3	1443.0	1426.8	1399.7	1388.5	1735.9	1745.9
52.5°	2051.1	2016.8	1890.9	1705.0	1580.2	1582.5	1599.3	1560.4	1524.0	1878.5	1915.0
55°	2004.4	1985.3	1906.7	1750.3	1651.5	1700.4	1774.6	1725.7	1709.5	2034.8	2079.1
57.5°	1911.8	1903.9	1899.3	1788.6	1699.9	1829.7	1999.9	1945.4	1902.7	2179.2	2197.8
60°	1715.7	1718.4	1769.5	1788.0	1787.0	1965.6	2209.6	2165.8	2083.7	2318.5	2338.2
62.5°	1369.9	1389.7	1524.0	1654.9	1833.6	2173.5	2410.2	2394.9	2306.8	2477.5	2474.7
65°	864.8	903.1	1102.5	1398.7	1770.1	2458.4	2734.4	2674.9	2559.6	2661.3	2703.4
67.5°	467.5	481.0	591.8	921.7	1532.4	2592.1	3437.4	3242.3	2975.9	2955.8	2963.7
70°	337.8	341.6	370.3	509.1	958.1	2376.5	4057.7	4147.7	3635.1	3272.6	3064.2
72.5°	267.4	274.8	302.3	382.7	564.1	1601.5	4078.6	4606.1	4235.2	3412.0	2833.9
75°	184.3	195.6	243.9	329.3	508.5	799.6	3317.6	4054.3	4088.6	3130.6	2252.2
77.5°	98.4	100.0	111.3	255.1	482.1	577.2	2143.3	2933.2	2926.6	2201.0	1220.0
80°	79.8	80.8	85.3	110.1	413.0	588.8	1150.3	1776.3	1627.4	855.2	444.5
82.5°	52.2	55.7	68.0	74.6	185.4	568.1	683.3	930.6	742.3	309.0	278.7
85°	30.9	34.2	49.4	55.1	88.3	663.0	613.1	560.3	428.8	218.6	209.7
87.5°	10.7	10.7	14.6	19.1	29.3	189.9	320.2	256.2	196.6	144.9	172.6
90°	5.6	6.2	3.4	3.4	12.9	58.4	171.3	170.3	133.8	142.2	184.3
92.5°	6.2	6.2	3.4	3.4	13.5	34.9	182.6	195.6	157.9	159.5	199.6
95°	6.7	7.2	2.9	2.9	12.9	24.2	160.6	199.0	154.5	144.4	173.6
97.5°	7.2	7.8	2.9	2.2	8.4	18.5	80.8	113.5	89.3	68.0	75.8
100°	6.7	7.2	1.6	1.6	4.0	12.3	30.9	42.1	38.2	15.7	9.1
102.5°	6.7	7.2	1.6	1.1	1.6	6.7	6.7	15.7	9.5	5.1	7.2
105°	6.7	7.2	1.6	1.1	0.5	3.4	2.2	2.9	3.4	4.5	8.4
107.5°	4.0	4.5	1.1	1.1	0.5	0.5	1.1	1.1	2.2	3.4	7.2
110°	1.6	1.6	0.5	0.5	0.0	0.5	0.5	1.1	2.2	2.9	4.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.2	3.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2	4.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2	4.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2	4.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2	4.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.2	4.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.2	3.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.2	3.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.6
140°	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	1.1	1.1	1.6
142.5°	1.1	0.5	0.5	0.5	0.0	0.0	0.5	0.5	1.1	1.6	1.6
145°	1.6	1.1	1.1	0.5	0.0	0.0	0.5	1.1	1.6	1.6	1.6
147.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.5	1.1	1.6	2.2	2.2
150°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.5	0.5	1.1
7.5°	1.6	1.6	1.6	1.1	1.1	0.5	103.9	120.8	138.8	136.1	132.1
10°	2.9	2.9	2.9	2.2	6.7	124.8	140.0	133.8	131.0	129.8	131.5
12.5°	191.6	226.0	75.3	11.3	110.8	121.9	124.8	117.9	121.9	123.1	119.7
15°	262.9	258.0	237.2	243.9	216.9	117.5	111.7	166.4	165.7	165.2	165.2
17.5°	284.4	270.3	234.3	247.8	216.9	178.1	138.2	132.1	127.6	128.1	127.0
20°	511.9	478.7	370.3	241.0	189.9	190.5	117.5	101.7	127.6	148.8	151.8
22.5°	515.8	483.8	387.7	312.4	189.9	150.6	115.3	120.3	144.4	157.9	160.2
25°	649.0	586.7	381.1	264.1	190.5	122.4	122.4	115.7	131.5	150.0	152.8
27.5°	740.7	668.1	464.8	259.0	143.3	119.7	109.6	110.8	140.4	153.4	154.0
30°	741.7	656.3	437.1	217.5	119.1	103.9	99.0	115.7	123.1	131.5	132.1
32.5°	964.3	836.7	491.2	174.8	106.2	93.9	99.4	110.1	124.1	144.9	147.2
35°	964.3	822.7	427.7	160.6	100.6	94.4	102.2	117.9	118.5	134.2	137.7
37.5°	991.3	821.5	361.3	134.2	105.1	94.4	106.8	110.8	115.7	132.1	132.6
40°	1033.4	833.4	295.6	122.4	103.9	102.9	103.9	109.1	107.8	118.5	119.1
42.5°	1103.1	859.8	245.5	118.5	103.3	107.8	105.1	103.3	97.1	127.6	128.1
45°	1205.3	919.9	209.0	118.5	103.9	115.3	108.4	100.0	93.9	154.0	158.6
47.5°	1325.5	995.2	192.1	121.5	106.2	116.9	103.3	100.0	100.0	166.8	169.2
50°	1469.4	1081.6	184.3	123.6	113.5	115.7	106.8	106.2	110.8	155.0	154.5
52.5°	1621.7	1188.5	183.2	127.0	118.5	111.3	120.8	113.5	99.0	113.5	113.5
55°	1772.8	1320.0	181.5	128.1	115.7	114.1	123.6	101.1	84.4	92.2	93.2
57.5°	1918.4	1445.4	188.3	123.6	115.3	114.1	117.9	101.1	87.0	94.4	96.7
60°	2066.8	1585.1	228.1	116.9	117.5	111.3	117.5	109.6	96.1	114.1	116.3
62.5°	2246.7	1777.9	310.8	123.1	119.1	112.9	116.9	116.3	100.0	109.1	111.3
65°	2503.9	1992.6	359.6	144.9	124.1	117.9	116.9	125.9	111.7	106.2	106.8
67.5°	2680.5	2070.8	348.9	163.5	136.5	121.5	126.4	135.5	119.7	120.8	120.3
70°	2648.5	1932.0	303.4	172.6	144.4	124.8	136.5	134.8	125.9	143.3	142.2
72.5°	2320.9	1566.1	257.4	158.6	142.2	125.9	138.8	138.2	136.5	171.9	171.9
75°	1728.5	1050.7	223.0	145.5	136.1	124.8	136.1	137.1	136.1	175.9	177.0
77.5°	848.4	524.8	189.4	131.0	125.9	127.6	134.2	134.8	133.2	170.9	170.9
80°	379.4	287.6	144.4	110.1	121.5	134.2	134.8	129.8	132.1	161.9	161.2
82.5°	262.9	206.8	94.4	96.7	136.1	145.5	137.7	127.0	125.4	147.9	145.5
85°	191.1	152.4	57.9	82.0	148.8	137.7	130.3	114.7	109.6	125.4	122.4
87.5°	154.0	121.5	35.5	68.5	136.1	120.8	108.4	94.4	87.7	96.7	92.2
90°	166.4	131.0	35.5	59.6	111.7	90.5	79.8	70.2	63.5	64.0	61.3
92.5°	179.2	139.3	37.6	49.4	82.6	52.2	53.4	48.9	38.7	34.9	31.5
95°	138.2	104.6	33.1	41.1	49.4	32.0	41.1	37.1	26.4	18.5	15.7
97.5°	61.3	49.4	29.7	32.6	34.9	26.4	34.9	29.7	15.7	9.1	7.8
100°	7.2	12.3	25.8	31.5	25.3	18.0	23.0	18.0	6.7	2.2	1.6
102.5°	7.8	5.6	11.3	28.0	14.6	5.6	6.7	6.7	2.9	1.1	1.1
105°	8.4	6.2	4.5	14.6	3.4	1.1	0.5	0.5	0.5	1.1	1.1
107.5°	7.8	5.6	2.9	2.2	1.6	1.1	0.0	0.0	0.0	1.1	1.6
110°	4.5	4.0	2.9	2.2	1.6	1.1	0.0	0.0	0.0	1.6	2.2



REPORT NUMBER: P266089

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-SL3-CL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	2.2	1.6	1.1	0.5	0.0	0.0	0.0	2.2	2.9
115°	4.0	3.4	2.2	1.6	1.1	0.5	0.0	0.0	0.0	2.9	3.4
117.5°	4.5	4.0	2.2	1.6	1.1	0.0	0.0	0.0	0.0	3.4	3.4
120°	4.5	4.0	2.2	1.6	0.5	0.0	0.0	0.0	0.0	2.9	3.4
122.5°	4.5	4.0	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.9	3.4
125°	4.0	4.0	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.9	2.9
127.5°	4.0	3.4	2.2	1.1	0.5	0.0	0.0	0.0	0.0	2.2	2.9
130°	3.4	3.4	1.6	1.1	0.5	0.0	0.0	0.0	0.0	1.6	2.2
132.5°	2.9	2.2	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.5	1.1
135°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	1.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	2.2	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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)