

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: P254853

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5443.1 lumens
Efficiency: N/A
Efficacy: 100.8 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

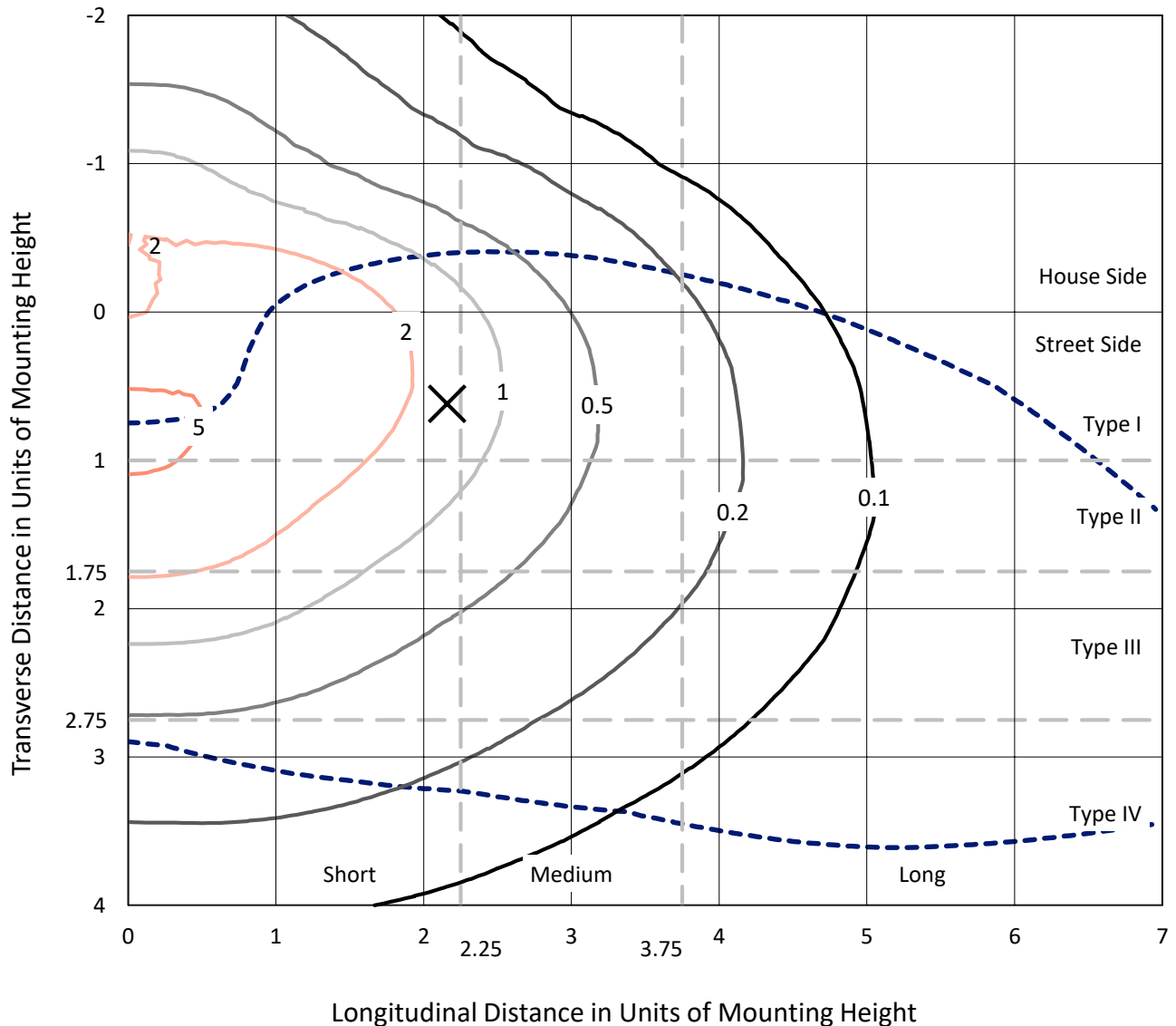


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

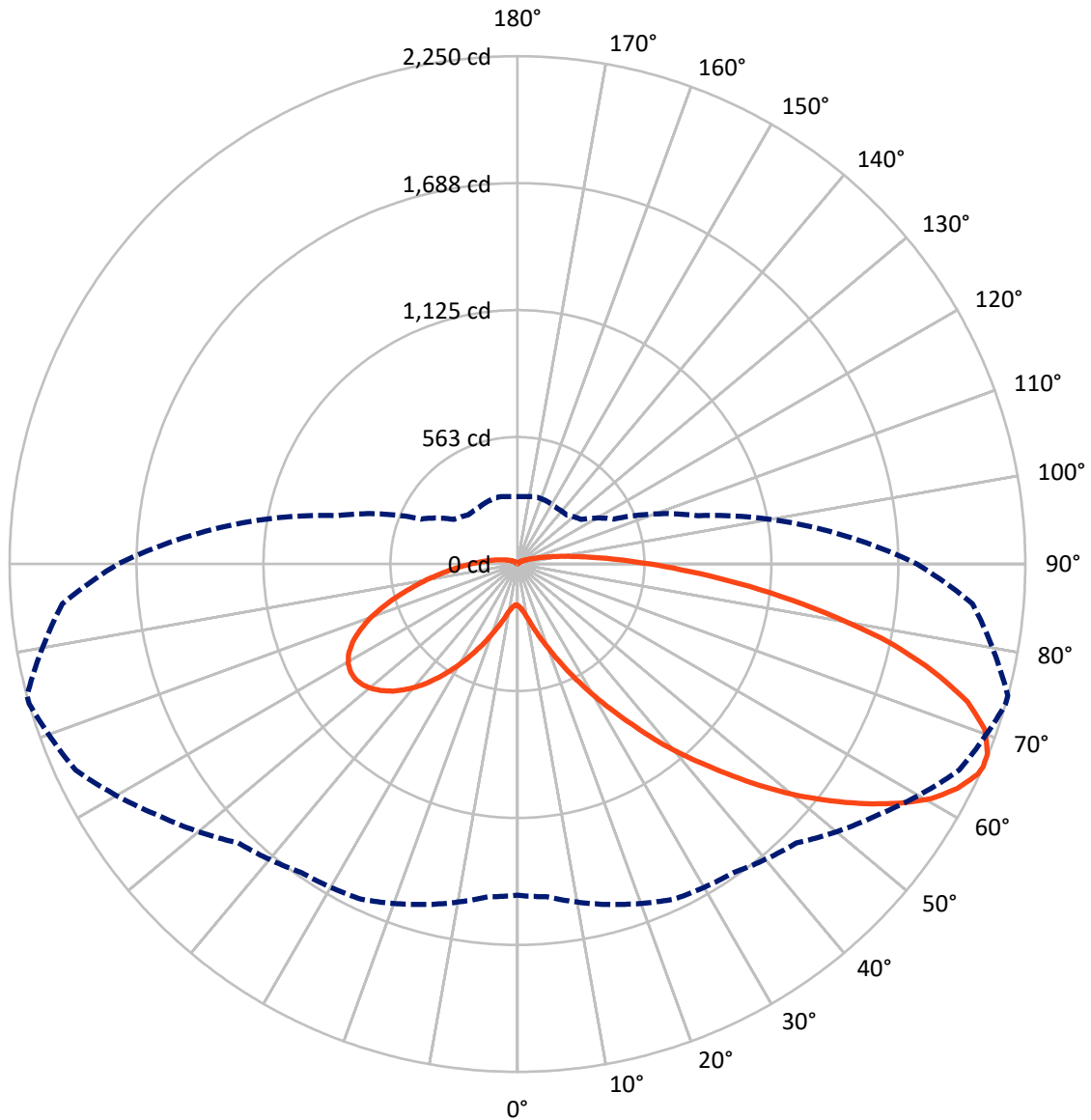


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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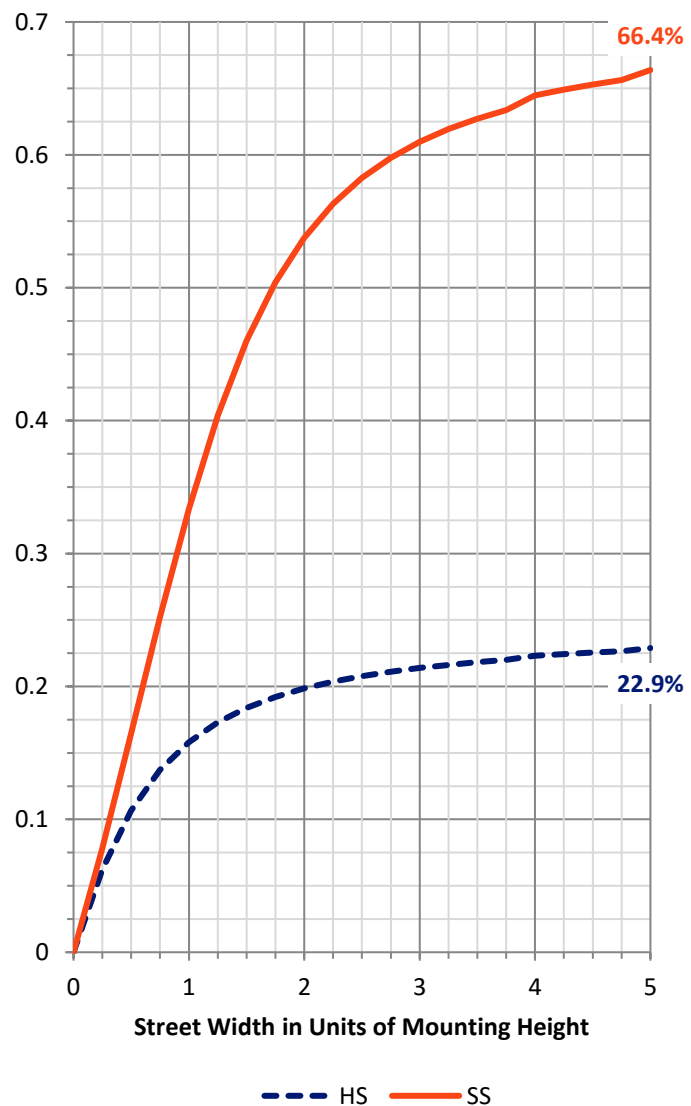
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1309.2	135.4	1444.6
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	3766.5	232.0	3998.6
	% Fixture	69.2	4.3	73.5
Total	Lumens	5075.7	367.4	5443.1
	% Fixture	93.3	6.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.4
10°-20°	82.4	1.5
20°-30°	211.4	3.9
30°-40°	428.1	7.9
40°-50°	724.9	13.3
50°-60°	1027.9	18.9
60°-70°	1160.5	21.3
70°-80°	928.0	17.0
80°-90°	493.0	9.1
90°-100°	207.8	3.8
100°-110°	88.4	1.6
110°-120°	40.8	0.7
120°-130°	19.5	0.4
130°-140°	8.5	0.2
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5075.7	93.3
0°-180°	5443.1	100.0

Coefficient of Utilization



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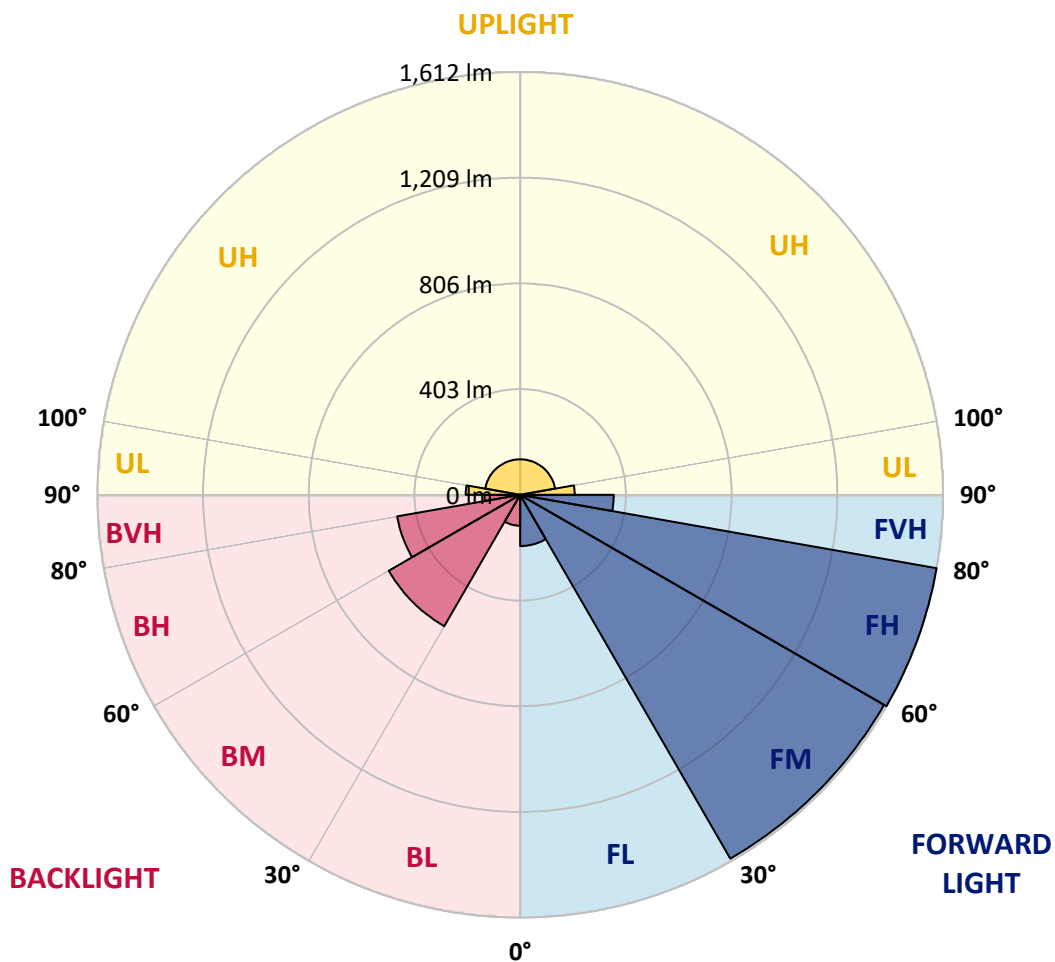
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.3	3.6			
FM	(30°-60°)	1602.1	29.4			
FH	(60°-80°)	1612.4	29.6			G1/1800
FVH	(80°-90°)	356.7	6.6			G3/500
BL	(0°-30°)	118.0	2.2	B1/500		
BM	(30°-60°)	578.8	10.6	B1/1000		
BH	(60°-80°)	476.1	8.7	B1/500		G1/500
BVH	(80°-90°)	136.3	2.5			G2/225
UL	(90°-100°)	207.8	3.8		U3/500	
UH	(100°-180°)	135.4	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9
2.5°	200.5	201.8	200.5	199.8	198.5	197.8	195.2	191.9	189.9	189.2	186.6
5°	221.0	223.0	221.7	219.6	217.7	215.0	211.0	205.7	201.8	201.1	195.8
7.5°	246.1	248.8	246.7	244.2	240.8	236.8	230.9	224.3	218.3	217.0	210.4
10°	281.8	281.2	278.5	274.6	270.0	266.0	258.7	248.8	241.5	240.2	230.9
12.5°	322.2	322.2	318.2	312.3	305.7	299.7	292.5	281.2	273.2	271.3	260.0
15°	367.9	369.8	363.9	357.3	348.0	339.4	332.8	320.9	311.6	309.6	295.7
17.5°	421.5	422.1	415.5	406.9	396.3	388.4	378.4	365.9	355.3	353.3	336.1
20°	482.9	482.3	474.3	462.5	450.5	443.2	430.7	416.9	404.9	403.6	383.1
22.5°	553.1	547.8	541.9	526.6	516.7	502.8	489.6	473.7	462.5	460.4	438.6
25°	631.9	624.5	618.6	598.7	584.2	567.6	553.7	539.9	530.6	526.6	500.8
27.5°	720.5	715.9	704.0	679.4	656.9	636.5	625.8	612.6	602.7	600.8	574.3
30°	819.7	808.4	796.0	766.2	735.7	707.9	697.3	692.0	684.8	682.1	652.3
32.5°	918.3	917.7	899.2	861.4	821.7	790.6	780.7	778.1	771.4	772.1	736.4
35°	1034.7	1034.1	1011.0	964.6	915.0	876.7	870.0	873.3	871.3	870.6	830.3
37.5°	1158.5	1155.8	1130.1	1073.8	1012.3	968.6	963.9	975.2	983.8	977.8	930.9
40°	1286.2	1288.2	1253.1	1186.9	1114.8	1065.2	1062.5	1088.3	1097.6	1091.7	1036.0
42.5°	1409.9	1408.6	1375.5	1307.3	1218.6	1165.8	1167.7	1201.5	1212.7	1210.0	1148.6
45°	1529.6	1528.3	1498.5	1419.1	1325.2	1267.6	1277.6	1318.6	1340.4	1340.4	1267.0
47.5°	1634.9	1633.6	1607.7	1527.0	1427.7	1369.5	1385.4	1441.0	1477.3	1472.7	1386.1
50°	1720.8	1718.9	1701.0	1626.9	1525.0	1469.5	1496.6	1568.7	1613.0	1603.1	1507.8
52.5°	1775.7	1778.4	1769.8	1707.6	1612.4	1562.0	1603.8	1694.4	1743.3	1739.3	1631.5
55°	1802.2	1803.6	1814.1	1765.8	1682.4	1644.1	1705.7	1815.4	1875.7	1870.4	1750.6
57.5°	1789.7	1793.6	1822.1	1796.9	1730.7	1711.6	1796.9	1927.2	1999.4	2000.1	1855.8
60°	1736.8	1747.3	1791.0	1796.9	1754.6	1755.3	1872.3	2026.5	2109.2	2104.6	1943.2
62.5°	1648.1	1661.3	1724.8	1757.2	1742.7	1775.1	1922.0	2103.9	2188.6	2191.9	2006.0
65°	1525.6	1538.2	1615.0	1679.8	1697.1	1763.9	1943.8	2152.9	2242.8	2242.2	2027.8
66°	1467.4	1480.0	1562.0	1638.8	1669.3	1748.0	1942.5	2160.2	2250.1	2249.5	2024.5
67.5°	1371.5	1385.4	1470.8	1564.1	1614.3	1712.9	1927.2	2156.2	2246.2	2244.9	2002.7
70°	1194.2	1210.0	1305.4	1408.6	1492.6	1622.3	1866.4	2111.2	2197.2	2190.5	1922.0
72.5°	1008.9	1025.5	1120.7	1230.6	1349.1	1502.5	1757.2	2007.3	2084.8	2076.2	1787.0
75°	827.7	843.5	937.5	1049.3	1177.6	1345.1	1603.8	1843.3	1904.7	1904.1	1605.1
77.5°	662.3	676.2	760.2	871.3	1001.1	1170.4	1415.2	1644.8	1695.0	1681.8	1388.8
80°	519.4	532.5	604.7	704.6	830.9	989.1	1208.7	1404.6	1431.7	1423.7	1160.4
82.5°	402.9	414.8	477.7	564.4	678.1	817.1	991.8	1162.5	1175.1	1166.4	939.5
85°	311.6	322.2	375.8	450.5	547.2	662.3	801.9	922.9	934.9	928.9	742.4
87.5°	241.5	248.8	293.8	356.6	438.0	531.3	635.8	729.1	724.5	718.5	574.3
90°	186.6	193.8	230.9	283.2	350.0	422.8	499.5	562.4	553.7	547.2	440.6
92.5°	144.8	150.2	182.6	226.3	280.5	336.1	390.4	430.7	419.4	414.8	336.1
95°	114.5	118.5	144.2	184.5	226.3	268.6	305.7	334.1	317.5	313.6	256.0
97.5°	92.0	94.6	116.4	148.8	183.9	216.4	241.5	253.4	240.8	237.5	195.2
100°	75.4	76.7	95.2	121.1	149.6	175.9	191.9	197.1	183.9	181.3	148.8
102.5°	62.2	63.5	78.8	101.9	124.4	142.9	152.8	156.1	139.6	137.6	115.1
105°	52.3	52.9	65.5	86.0	104.5	117.7	124.4	121.1	107.8	105.9	90.0
107.5°	45.0	45.6	54.9	73.4	88.7	98.6	102.5	97.9	84.0	82.0	70.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	39.1	39.1	47.0	62.2	75.4	84.0	85.3	78.1	66.2	64.9	56.9
112.5°	34.4	34.4	41.0	53.6	64.9	71.5	71.5	63.5	52.3	51.6	46.3
115°	31.1	31.1	35.7	46.3	56.3	61.5	60.3	51.6	42.4	41.6	38.4
117.5°	27.8	27.8	31.1	39.7	48.3	52.9	50.9	42.4	34.4	33.8	32.4
120°	25.2	25.2	27.8	33.8	41.6	45.0	43.0	35.1	28.4	27.8	27.1
122.5°	23.1	23.1	24.4	29.8	35.7	38.4	36.4	29.2	23.8	23.8	23.1
125°	21.2	21.2	22.5	25.8	30.5	33.0	30.5	23.8	19.8	19.8	20.5
127.5°	19.8	19.8	20.5	22.5	26.5	27.8	25.2	19.8	17.2	17.2	17.9
130°	17.9	17.9	18.5	19.8	21.8	23.1	20.5	16.6	15.2	14.5	15.2
132.5°	16.6	16.6	16.6	17.2	17.9	18.5	16.6	13.2	12.6	12.6	13.2
135°	14.5	15.2	14.5	14.5	14.5	14.5	12.6	10.5	10.5	10.5	11.3
137.5°	13.2	13.2	12.6	11.9	11.9	11.3	9.9	8.6	8.6	8.6	9.3
140°	11.3	11.3	11.3	9.9	8.6	8.0	6.6	6.6	7.3	7.3	8.0
142.5°	9.3	9.3	8.6	8.0	5.9	5.3	4.6	4.6	5.3	5.3	5.9
145°	7.3	7.3	6.6	5.3	4.0	2.7	2.7	2.7	3.3	3.3	4.0
147.5°	5.3	5.3	4.6	3.3	1.9	1.3	1.3	1.9	2.7	2.7	3.3
150°	3.3	3.3	2.7	1.9	0.6	0.0	0.6	1.3	1.9	1.9	2.7
152.5°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.6	1.3	1.3	1.9
155°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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°	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9	183.9
2.5°	185.3	183.9	181.3	179.3	176.7	175.3	174.6	173.4	172.7	172.1	172.1
5°	193.2	190.6	185.9	181.3	177.3	173.4	171.3	169.4	167.4	166.0	166.0
7.5°	206.4	202.4	195.2	187.9	181.3	175.9	172.1	169.4	166.7	165.4	164.7
10°	224.9	219.6	209.7	199.8	190.6	182.6	177.3	174.0	171.3	169.4	168.7
12.5°	254.1	246.1	231.6	217.0	202.4	193.8	186.6	184.5	183.3	182.0	183.3
15°	287.8	277.8	260.0	240.8	223.0	209.1	203.2	201.8	200.5	199.8	199.8
17.5°	325.5	315.0	291.1	266.0	244.2	230.3	221.7	219.0	217.0	216.4	215.6
20°	371.1	357.3	326.8	294.4	268.6	253.4	241.5	236.8	234.9	234.9	234.9
22.5°	424.1	405.6	367.9	325.5	295.7	274.6	262.0	254.7	253.4	254.1	253.4
25°	483.7	461.1	412.9	360.6	321.5	295.1	279.2	272.6	270.6	271.9	271.9
27.5°	551.2	525.3	461.1	397.6	346.1	312.9	295.1	289.1	287.1	289.1	289.1
30°	622.0	592.8	511.4	432.7	367.2	327.4	307.6	303.0	301.1	303.0	303.7
32.5°	706.6	663.0	564.4	466.5	387.1	339.4	318.2	314.3	312.3	315.0	315.0
35°	793.9	740.3	617.2	497.6	402.9	348.0	325.5	322.2	320.9	323.6	323.6
37.5°	882.6	824.4	671.6	525.3	414.8	353.9	330.8	328.2	327.4	327.4	328.2
40°	979.9	907.1	723.1	547.8	423.4	357.3	334.1	330.8	330.1	329.5	329.5
42.5°	1080.4	987.1	769.5	565.0	427.4	357.9	334.1	332.2	331.4	328.8	328.2
45°	1183.7	1072.5	813.1	576.9	428.7	356.6	333.5	331.4	330.8	326.2	325.5
47.5°	1288.8	1154.5	848.8	582.3	425.4	353.9	331.4	329.5	328.2	320.9	320.9
50°	1392.6	1235.2	879.3	582.9	420.1	349.3	328.8	328.2	325.5	316.9	315.6
52.5°	1494.5	1311.3	901.7	578.3	411.5	344.7	326.2	326.2	322.8	313.6	312.3
55°	1590.5	1379.4	915.0	567.6	401.6	338.7	322.8	323.6	320.2	310.3	308.9
57.5°	1673.9	1435.7	917.0	551.8	390.4	332.8	319.6	320.9	318.9	307.6	306.4
60°	1740.7	1471.4	907.8	532.5	377.2	325.5	315.6	318.2	316.3	305.7	305.0
62.5°	1777.1	1485.3	884.5	508.8	363.9	318.9	310.3	315.0	313.6	303.0	302.4
65°	1779.7	1468.1	846.2	481.6	350.0	311.0	305.7	309.6	309.6	300.3	299.7
66°	1769.8	1451.0	827.1	471.1	344.0	307.6	303.0	307.6	308.3	299.7	298.4
67.5°	1738.7	1415.2	793.9	452.6	334.8	302.4	298.4	303.7	304.3	297.1	295.1
70°	1652.1	1327.9	733.8	422.1	319.6	291.7	289.8	295.1	296.5	290.4	288.5
72.5°	1519.1	1213.4	663.0	389.0	302.4	279.9	279.2	284.5	285.8	280.5	278.5
75°	1351.0	1063.3	584.8	356.6	283.9	266.6	266.0	270.0	271.9	267.9	264.6
77.5°	1159.1	909.1	508.1	323.6	265.4	251.4	251.4	254.7	255.4	251.4	248.1
80°	962.6	756.9	438.6	290.4	246.1	234.3	234.3	235.5	236.2	232.2	228.2
82.5°	778.1	617.2	371.8	258.7	224.3	215.0	214.4	214.4	213.7	210.4	205.7
85°	615.3	495.5	311.0	228.9	203.2	195.8	193.8	191.9	190.6	186.6	182.6
87.5°	481.0	394.3	262.0	201.1	182.0	175.9	173.4	170.7	167.4	162.8	157.4
90°	373.8	312.3	218.3	175.3	160.8	155.5	151.5	147.5	143.5	138.3	135.6
92.5°	289.8	246.7	182.6	150.9	141.0	137.0	133.0	127.7	122.4	117.1	114.5
95°	225.6	196.5	151.5	130.3	123.1	119.8	115.8	109.9	103.2	97.9	96.0
97.5°	175.9	156.1	126.3	112.5	107.8	103.8	99.9	93.9	86.6	80.7	79.4
100°	137.0	124.4	105.9	97.3	93.3	90.6	86.6	80.7	72.1	66.2	65.5
102.5°	108.5	99.9	88.7	84.0	81.4	78.8	74.8	68.8	60.3	53.6	53.6
105°	86.0	80.7	74.8	72.1	70.2	68.1	64.1	58.2	49.0	43.7	43.7
107.5°	69.5	65.5	62.8	61.5	60.9	58.9	55.5	49.0	40.4	35.7	35.7



REPORT NUMBER: P254853

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	56.3	54.2	52.9	52.9	52.3	51.6	47.7	41.0	33.0	29.2	29.8
112.5°	46.3	45.0	45.0	45.6	45.6	44.3	40.4	34.4	27.1	24.4	24.4
115°	38.4	37.7	38.4	39.1	39.7	38.4	34.4	28.4	21.8	20.5	20.5
117.5°	32.4	32.4	33.0	33.8	33.8	32.4	29.2	23.8	17.9	17.2	17.2
120°	27.8	27.8	27.8	28.4	29.2	27.8	24.4	19.2	14.5	14.5	14.5
122.5°	23.8	23.8	23.8	24.4	24.4	23.8	20.5	15.9	12.6	12.6	12.6
125°	20.5	20.5	20.5	21.2	21.2	19.8	16.6	13.2	10.5	10.5	10.5
127.5°	17.9	17.9	17.9	17.9	17.9	16.6	13.9	10.5	8.6	9.3	9.3
130°	15.9	15.9	15.2	15.2	14.5	13.9	11.3	8.6	7.3	8.0	8.0
132.5°	13.2	13.9	13.2	12.6	11.9	10.5	8.6	6.6	5.9	6.6	6.6
135°	11.3	11.9	11.3	9.9	9.3	8.6	6.6	5.3	5.3	5.3	5.3
137.5°	9.9	9.9	9.3	8.0	7.3	5.9	4.6	4.0	4.0	4.6	4.6
140°	8.0	8.0	7.3	5.9	5.3	4.0	2.7	2.7	3.3	3.3	3.3
142.5°	5.9	5.9	5.3	4.0	2.7	1.9	1.3	1.3	1.9	2.7	2.7
145°	4.0	4.0	4.0	2.7	1.9	0.6	0.0	0.6	1.3	1.3	1.3
147.5°	3.3	3.3	2.7	1.9	0.6	0.0	0.0	0.0	0.6	0.6	0.6
150°	2.7	2.7	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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)