

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: P254628

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254628
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5270.6 lumens
Efficiency: N/A
Efficacy: 97.6 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

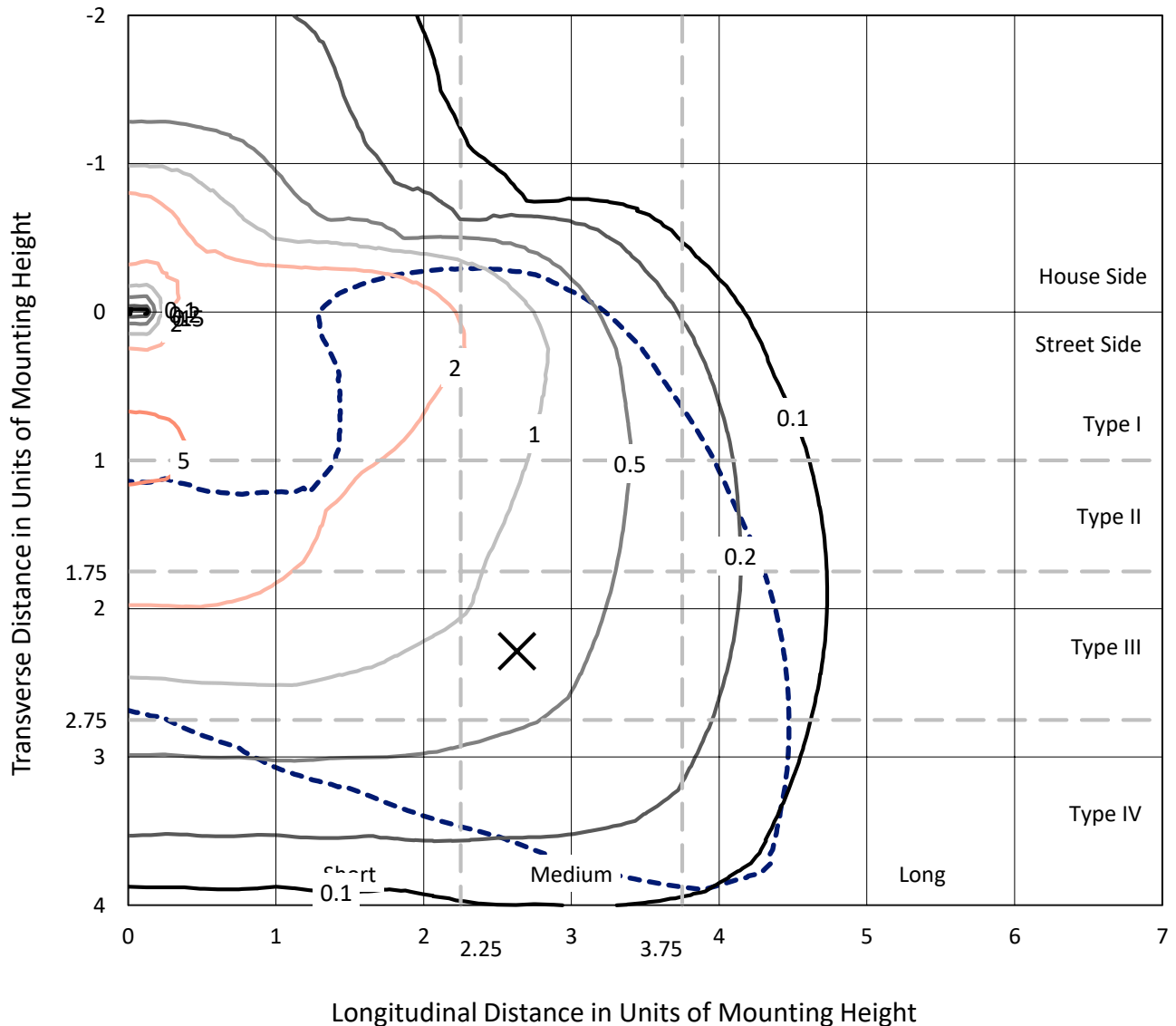
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

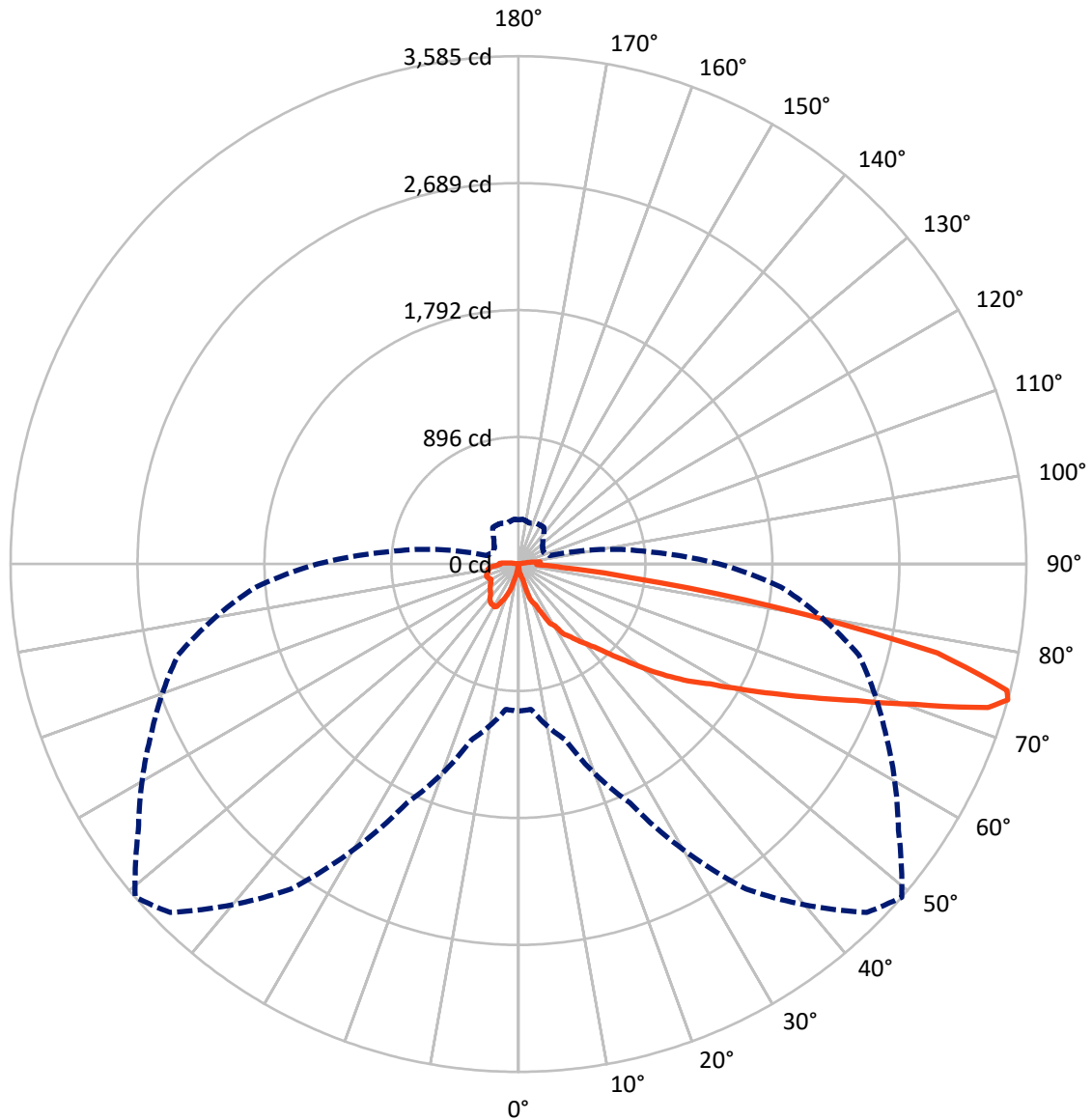


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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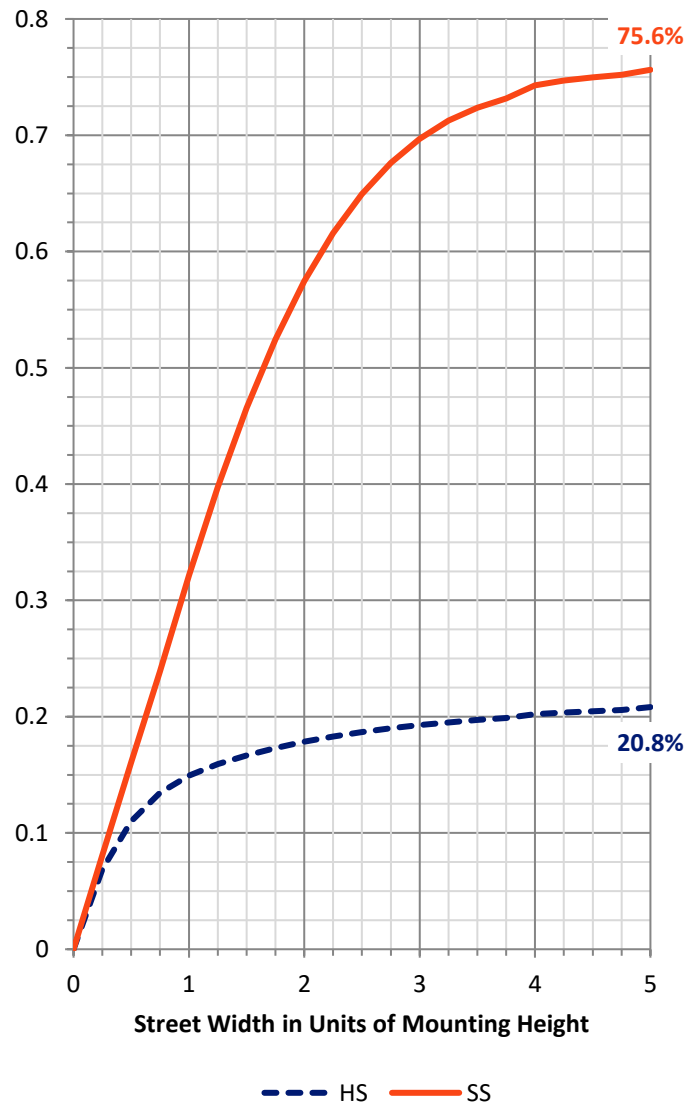
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1162.4	49.9	1212.3
	% Fixture	22.1	0.9	23.0
Street Side	Lumens	4016.5	41.8	4058.3
	% Fixture	76.2	0.8	77.0
Total	Lumens	5178.9	91.7	5270.6
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	47.4	0.9
20°-30°	179.9	3.4
30°-40°	382.3	7.3
40°-50°	628.4	11.9
50°-60°	1013.5	19.2
60°-70°	1464.4	27.8
70°-80°	1202.2	22.8
80°-90°	257.8	4.9
90°-100°	83.0	1.6
100°-110°	6.6	0.1
110°-120°	0.9	0.0
120°-130°	0.6	0.0
130°-140°	0.3	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°	5178.9	98.3
0°-180°	5270.6	100.0

Coefficient of Utilization



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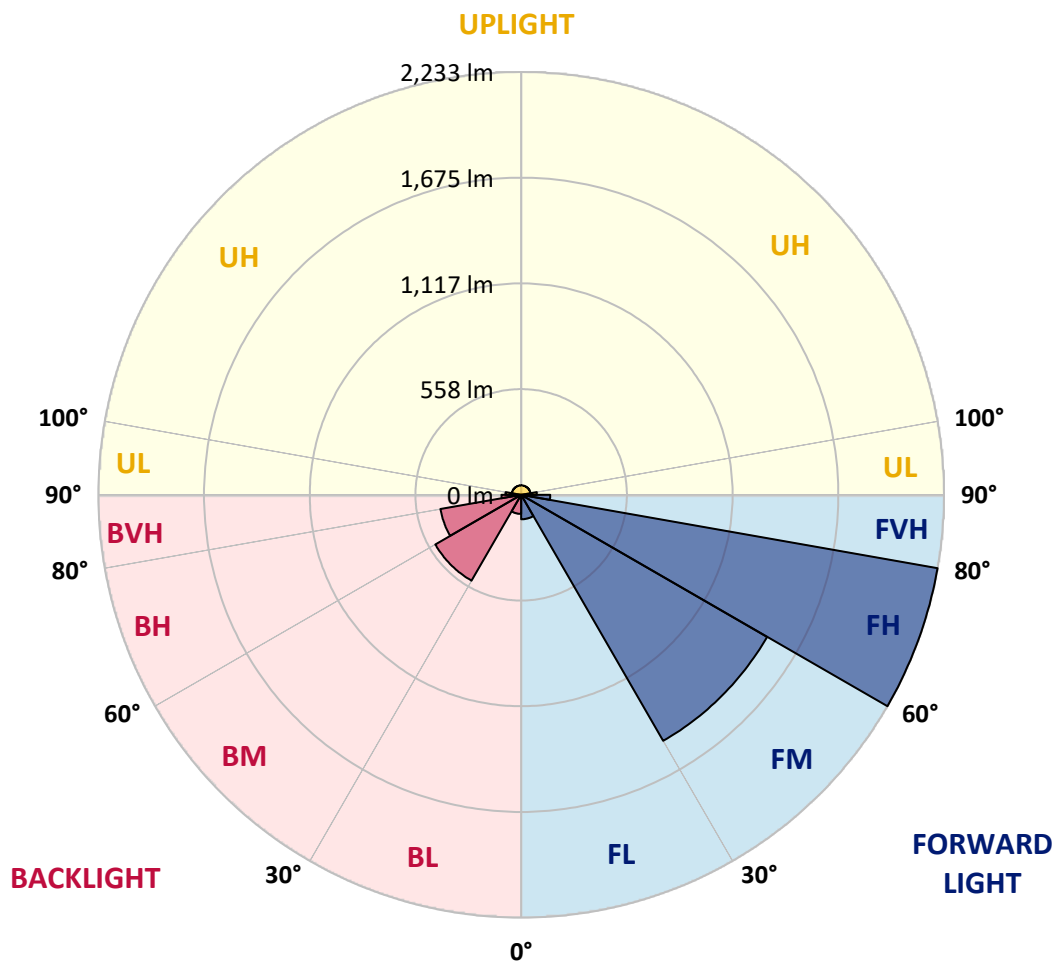
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.2	2.5			
FM (30°-60°)	1500.4	28.5			
FH (60°-80°)	2233.5	42.4			G2/5000
FVH (80°-90°)	153.5	2.9			G2/225
BL (0°-30°)	101.1	1.9	B0/110		
BM (30°-60°)	523.8	9.9	B1/1000		
BH (60°-80°)	433.1	8.2	B1/500		G1/500
BVH (80°-90°)	104.4	2.0			G2/225
UL (90°-100°)	83.0	1.6		U3/500	
UH (100°-180°)	49.9	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	4.4	3.8	3.2	2.5	2.5	1.8	1.8	1.8	2.5	2.5	2.5
5°	70.0	69.4	63.2	60.1	24.4	15.0	13.1	8.0	3.2	2.5	2.5
7.5°	83.1	82.0	80.1	83.8	78.2	68.2	62.6	36.3	10.1	3.2	2.5
10°	110.2	108.8	99.4	96.9	88.2	80.8	76.3	71.3	30.0	6.2	4.4
12.5°	208.2	201.4	195.8	165.7	112.0	90.6	90.0	84.4	70.7	63.8	77.6
15°	235.2	228.9	219.6	217.7	199.0	120.0	110.2	152.0	180.2	135.2	138.2
17.5°	266.5	269.7	257.1	230.9	214.5	229.6	252.7	223.3	197.6	164.6	167.0
20°	375.3	372.8	362.8	332.8	272.0	295.9	287.8	282.8	230.9	304.0	295.2
22.5°	389.7	389.1	384.0	365.9	390.9	315.2	312.8	348.4	343.4	349.6	337.2
25°	511.0	516.0	499.8	392.2	411.6	402.8	388.4	423.5	384.0	387.3	431.6
27.5°	535.5	532.9	524.2	502.3	435.4	477.3	473.5	449.2	498.6	525.4	528.6
30°	673.7	656.2	566.7	546.1	525.4	499.8	506.6	534.9	556.6	549.2	579.8
32.5°	740.7	736.2	721.8	640.6	568.5	553.6	589.9	599.9	587.4	695.6	748.8
35°	963.8	943.9	828.8	709.9	633.7	625.5	629.3	628.7	714.3	733.7	806.9
37.5°	1243.6	1217.2	1126.6	870.7	691.8	654.9	686.1	718.1	747.6	803.8	860.1
40°	1407.5	1393.7	1321.1	1076.5	806.9	712.5	743.1	758.8	797.6	843.8	938.3
42.5°	1533.1	1532.0	1486.3	1221.6	963.8	803.8	809.4	811.2	840.1	915.1	1027.1
45°	1618.9	1617.6	1625.8	1358.0	1114.0	907.6	908.3	885.8	906.5	1004.0	1150.3
47.5°	1725.2	1706.4	1725.2	1502.6	1244.1	1030.9	1019.6	967.1	1010.2	1127.2	1321.7
50°	1831.5	1814.0	1821.6	1615.7	1373.1	1181.0	1161.0	1091.0	1150.3	1282.2	1533.8
52.5°	1970.4	1947.9	1914.1	1735.1	1547.5	1337.4	1309.3	1252.3	1307.3	1477.5	1801.4
55°	2072.3	2056.0	2044.8	1904.7	1670.8	1476.2	1456.9	1392.4	1541.3	1695.8	2087.4
57.5°	2151.8	2158.1	2192.5	2112.4	1902.2	1628.8	1597.6	1570.7	1762.2	1954.1	2393.9
60°	2235.7	2223.8	2308.2	2305.7	2098.0	1782.1	1788.3	1784.6	1987.3	2200.6	2749.8
62.5°	2230.6	2240.1	2392.0	2442.7	2266.2	1986.7	2011.0	2004.2	2218.1	2445.8	3013.8
65°	2028.6	2056.0	2387.0	2502.7	2474.6	2228.8	2269.5	2263.8	2485.2	2654.7	3180.7
67.5°	1895.9	1930.9	2243.1	2551.5	2672.3	2538.9	2571.5	2550.8	2676.0	2771.1	3181.4
70°	1757.1	1781.5	2059.2	2570.9	2885.5	2943.7	2964.3	2836.7	2834.8	2837.4	2920.6
72.5°	1429.9	1433.1	1684.6	2273.1	2978.1	3382.2	3465.3	3185.1	2917.4	2712.9	2346.4
74°	1037.8	1029.7	1286.1	1859.7	2800.5	3477.9	3584.9	3274.0	2862.4	2487.8	1859.7
75°	748.8	770.1	960.2	1504.4	2527.0	3451.6	3561.1	3255.8	2748.5	2259.4	1512.4
77.5°	238.3	246.5	312.8	633.7	1547.5	2828.6	3022.5	2736.1	2093.0	1427.5	781.9
80°	127.7	133.2	167.0	249.0	649.3	1641.9	1830.3	1589.5	1162.2	717.5	427.9
82.5°	76.3	80.1	109.5	150.1	336.5	681.8	806.9	661.1	566.1	412.9	299.1
85°	49.3	50.7	63.8	92.6	218.3	268.3	314.6	324.1	322.8	289.6	240.2
87.5°	27.6	28.2	30.0	39.5	100.1	140.7	128.3	157.0	187.7	186.4	212.7
90°	19.3	19.3	16.3	17.5	55.0	141.4	128.8	138.2	124.4	146.4	219.6
92.5°	18.1	18.8	15.0	15.7	43.8	138.9	155.1	154.5	127.7	153.3	220.8
95°	15.0	16.3	11.9	13.1	27.6	118.9	153.8	153.3	112.6	121.4	157.0
97.5°	11.9	12.6	8.0	10.1	16.3	60.6	92.6	88.2	59.4	51.3	61.3
100°	7.5	8.0	4.4	6.9	10.1	20.0	33.1	35.1	27.6	12.6	7.5
102.5°	7.5	8.0	3.2	4.4	4.4	5.7	7.5	6.2	8.7	4.4	6.2
105°	7.5	8.0	2.5	1.8	1.2	1.8	1.2	1.8	3.2	3.8	7.5
107.5°	5.7	6.2	1.2	1.2	0.6	1.2	1.2	1.2	1.8	3.2	6.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	3.8	3.8	0.6	0.6	0.0	1.2	1.2	1.2	1.8	2.5	3.8
112.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	1.8	1.8	2.5
115°	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.8	3.2
117.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	3.2
120°	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	3.2
122.5°	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	3.2
125°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	3.2
127.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.5
130°	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.5
132.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
142.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2
145°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.8
147.5°	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	1.2	1.8	1.8
150°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.8	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.8	3.2	4.4	4.4
7.5°	2.5	1.8	1.8	1.8	1.8	8.7	31.9	55.7	70.0	75.1	73.9
10°	4.4	3.8	3.8	3.8	18.8	61.3	82.0	83.8	90.0	91.3	90.6
12.5°	93.9	80.1	50.0	23.8	65.7	85.7	89.5	95.7	100.1	131.3	137.6
15°	138.9	137.0	133.2	140.7	152.6	98.3	120.7	161.3	182.7	190.7	193.3
17.5°	166.4	163.9	153.3	177.6	188.3	186.4	180.2	193.3	196.4	203.9	203.3
20°	302.1	295.9	264.0	209.6	197.0	247.7	203.3	203.9	253.4	282.8	280.2
22.5°	333.3	330.3	312.8	307.8	265.2	262.1	272.0	278.9	300.9	311.5	310.3
25°	432.8	429.1	347.8	319.0	323.4	277.7	324.6	303.4	312.8	340.9	337.2
27.5°	536.7	527.9	464.2	389.1	324.1	345.3	327.1	357.9	389.7	406.6	408.4
30°	586.7	571.1	496.7	409.0	355.3	341.6	344.0	390.3	395.9	410.4	413.4
32.5°	774.9	761.9	633.0	420.3	355.9	326.5	361.5	381.6	441.6	472.9	475.4
35°	828.1	816.9	638.6	471.7	343.4	338.3	342.2	397.1	427.9	450.3	454.1
37.5°	885.8	866.3	649.3	442.8	353.5	315.2	330.9	360.9	414.1	452.9	462.9
40°	967.1	932.0	643.0	412.9	328.5	307.8	306.5	342.2	365.3	384.0	387.3
42.5°	1070.8	1010.8	646.9	384.7	305.9	286.5	291.5	307.8	315.9	317.2	317.2
45°	1198.5	1109.1	663.1	361.5	287.2	276.5	278.4	282.8	284.0	269.0	267.1
47.5°	1370.5	1235.4	676.9	343.4	273.3	269.7	264.0	266.5	261.4	241.5	239.0
50°	1574.4	1386.2	688.7	322.1	260.8	260.2	259.0	249.5	240.8	222.1	219.6
52.5°	1792.7	1564.5	695.0	299.1	250.9	252.7	253.9	238.3	225.8	211.4	210.3
55°	2078.0	1772.0	709.9	277.7	239.0	242.7	249.5	234.0	222.1	212.7	218.3
57.5°	2359.5	2002.2	697.5	258.3	230.2	233.3	243.9	237.7	232.0	232.0	233.3
60°	2632.2	2201.8	619.9	242.7	222.1	225.8	248.3	259.6	259.0	270.9	274.0
62.5°	2815.5	2305.7	505.5	228.9	215.1	229.6	269.0	295.2	290.8	295.9	298.4
65°	2889.9	2299.5	385.3	218.9	210.8	245.9	292.7	318.4	302.1	290.8	288.3
67.5°	2811.1	2161.1	312.8	210.8	210.8	260.8	312.8	319.7	302.1	302.7	298.4
70°	2491.4	1839.1	269.0	202.6	213.9	258.3	322.8	317.7	302.7	313.3	307.1
72.5°	1869.7	1310.4	241.5	197.0	212.7	248.3	317.2	317.2	304.7	325.3	319.0
74°	1418.0	949.6	229.6	195.1	206.4	243.3	315.2	314.0	299.6	317.7	311.5
75°	1117.1	725.6	222.1	192.7	202.6	240.2	312.2	310.9	297.0	316.6	311.5
77.5°	571.1	379.0	204.6	188.3	193.3	235.8	304.0	304.7	287.2	305.3	301.5
80°	364.1	287.2	182.0	173.9	186.4	236.4	299.1	295.9	275.9	295.9	287.2
82.5°	290.2	237.1	147.6	150.8	177.6	232.7	295.9	281.5	261.4	291.5	261.4
85°	232.7	199.5	101.9	111.3	157.7	213.9	282.1	252.1	231.4	235.8	232.0
87.5°	196.4	161.3	48.2	72.5	123.3	163.9	209.6	195.1	179.5	187.1	178.8
90°	199.0	155.1	34.4	55.7	111.3	136.3	167.0	146.4	137.6	140.1	135.2
92.5°	193.3	148.3	35.1	46.3	108.8	149.4	176.4	149.4	131.9	127.0	122.6
95°	130.8	102.6	32.6	36.3	69.4	117.6	142.6	113.2	92.0	81.3	78.2
97.5°	50.0	45.1	28.2	30.0	36.3	62.6	82.6	72.5	49.3	35.6	33.8
100°	7.5	12.6	23.2	28.2	21.3	23.8	34.4	38.8	25.0	2.5	1.8
102.5°	8.0	6.9	9.4	21.3	12.6	5.0	10.6	21.3	13.7	1.2	1.2
105°	9.4	7.5	3.8	9.4	3.2	0.6	0.6	4.4	3.2	0.6	1.2
107.5°	8.0	6.9	2.5	1.8	0.6	0.6	0.0	0.0	0.0	0.6	1.2



REPORT NUMBER: P254628

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.4	4.4	2.5	1.2	0.6	0.6	0.0	0.0	0.0	1.2	1.2
112.5°	3.2	3.2	1.8	1.2	0.6	0.0	0.0	0.0	0.0	1.2	1.8
115°	3.8	3.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	1.8	1.8
117.5°	3.8	3.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	1.8	2.5
120°	3.8	3.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	1.8	1.8
122.5°	3.8	3.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	1.2	1.8
125°	3.2	3.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	1.2	1.2
127.5°	3.2	3.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2
130°	2.5	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
132.5°	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	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	0.0	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)