

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: P254414

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-70-D-U-SL3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6476.9 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 74
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

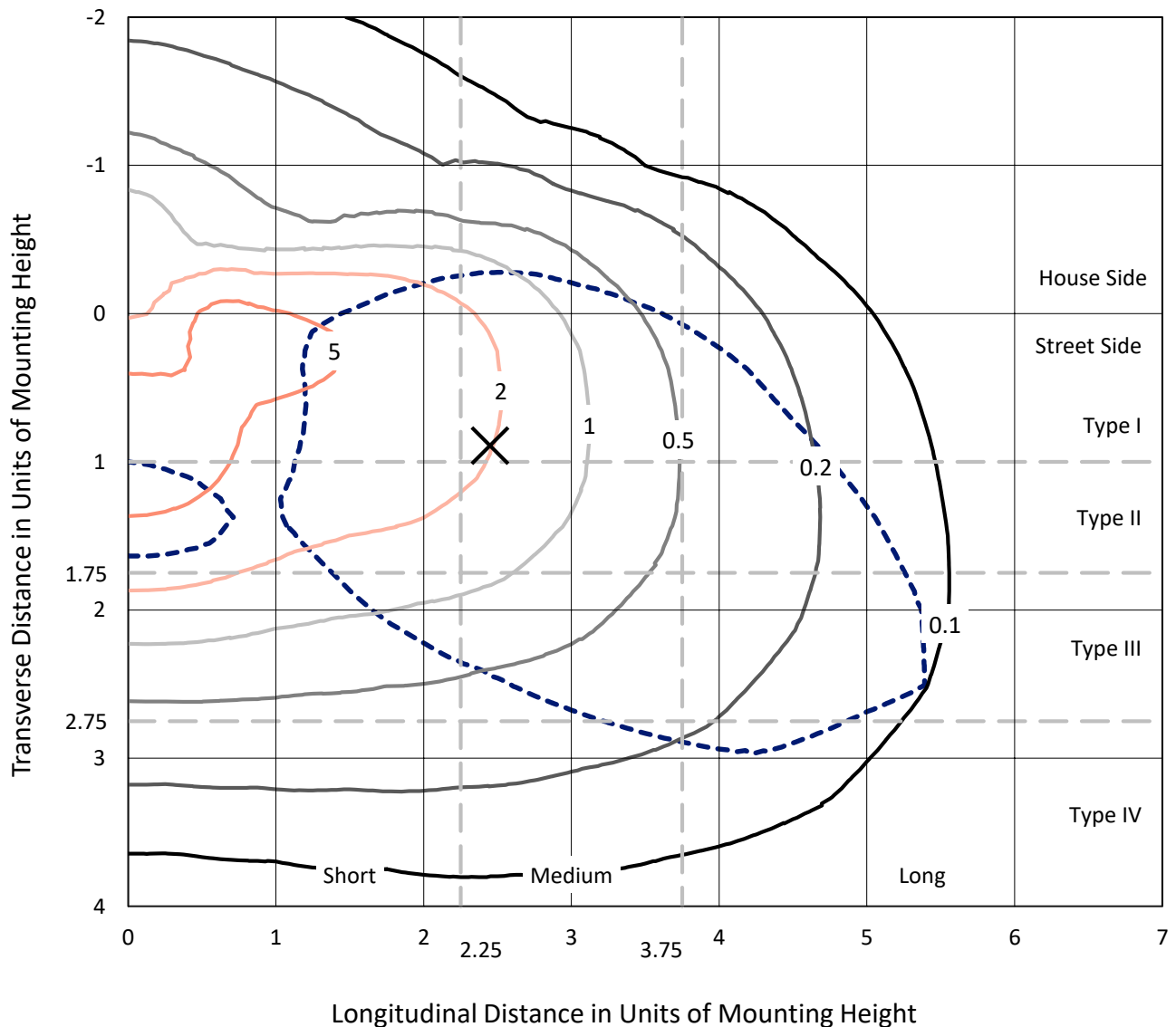


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

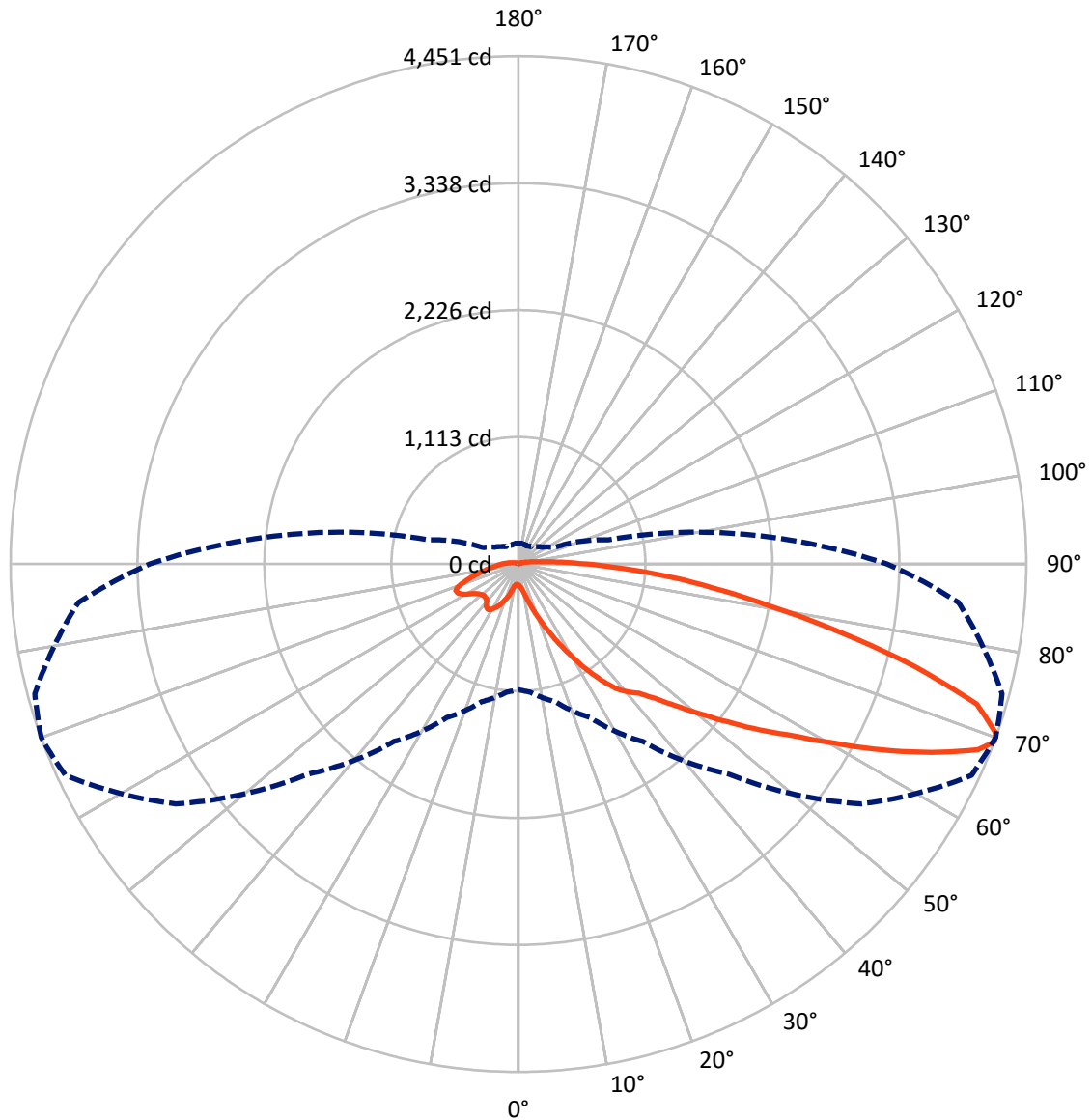


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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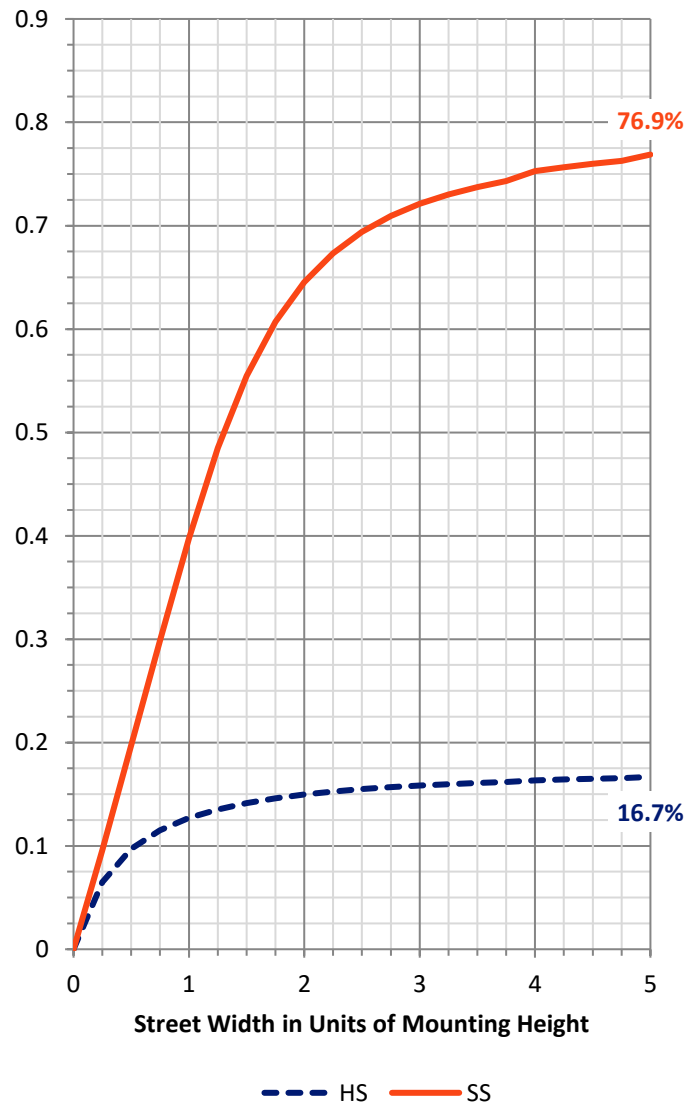
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.6	89.0	1215.5
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	5114.8	146.5	5261.4
	% Fixture	79.0	2.3	81.2
Total	Lumens	6241.4	235.5	6476.9
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	0.3
10°-20°	83.2	1.3
20°-30°	231.3	3.6
30°-40°	488.8	7.5
40°-50°	820.1	12.7
50°-60°	1236.4	19.1
60°-70°	1608.8	24.8
70°-80°	1258.1	19.4
80°-90°	495.6	7.7
90°-100°	147.0	2.3
100°-110°	48.1	0.7
110°-120°	20.7	0.3
120°-130°	11.2	0.2
130°-140°	6.0	0.1
140°-150°	2.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6241.4	96.4
0°-180°	6476.9	100.0

Coefficient of Utilization



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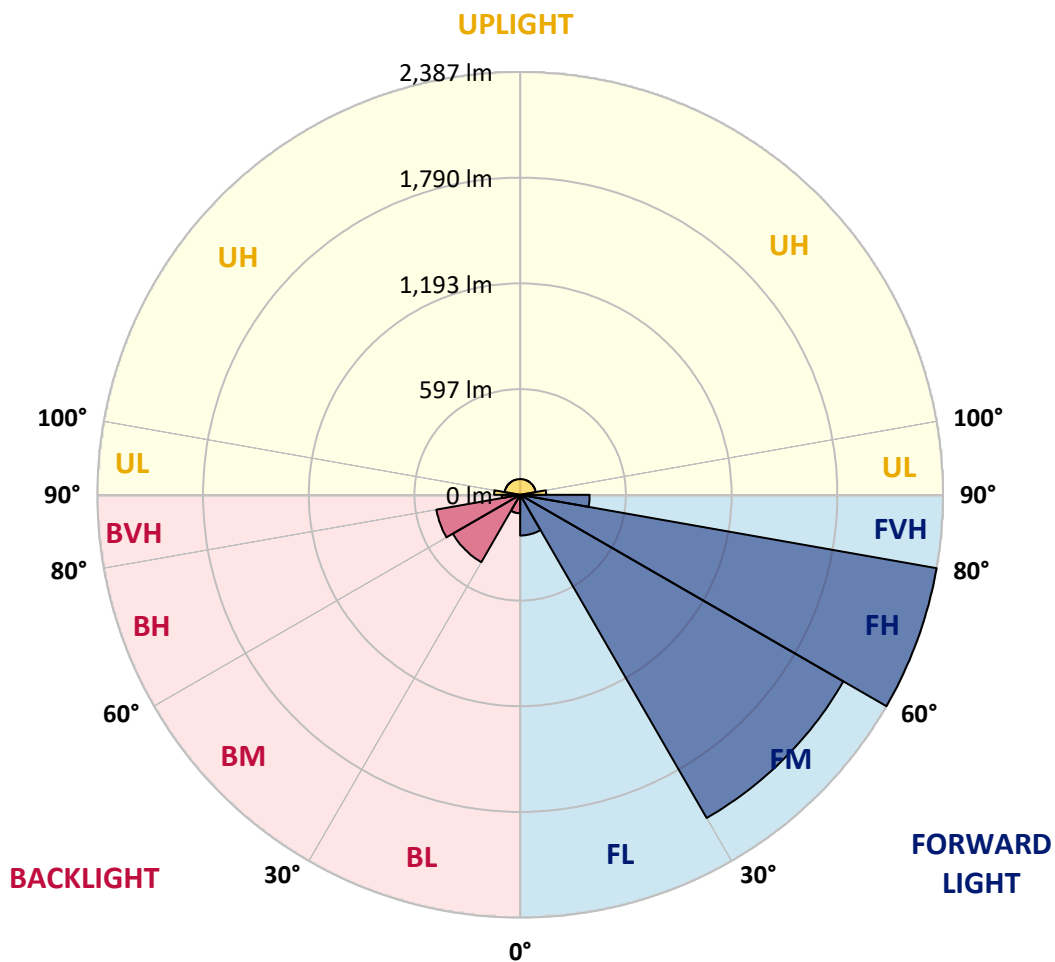
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-A-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.6	3.5			
FM	(30°-60°)	2106.4	32.5			
FH	(60°-80°)	2386.7	36.8			G2/5000
FVH	(80°-90°)	392.1	6.1			G3/500
BL	(0°-30°)	104.1	1.6	B0/110		
BM	(30°-60°)	438.8	6.8	B1/1000		
BH	(60°-80°)	480.1	7.4	B1/500		G1/500
BVH	(80°-90°)	103.5	1.6			G2/225
UL	(90°-100°)	147.0	2.3		U3/500	
UH	(100°-180°)	89.0	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	206.7	206.7	207.5	206.7	205.9	202.6	199.4	195.3	193.7	192.1	188.0
5°	230.2	230.2	229.3	227.7	226.1	220.4	215.6	209.1	205.9	202.6	195.3
7.5°	258.5	257.8	257.0	253.7	250.4	243.1	235.9	227.7	222.9	218.8	209.1
10°	292.6	291.8	290.9	285.2	280.5	272.3	265.1	254.5	250.4	244.7	231.0
12.5°	336.4	338.8	333.9	325.0	318.5	307.1	302.3	295.0	290.2	287.7	273.1
15°	391.4	393.2	386.6	372.0	363.1	351.7	353.4	354.2	351.7	351.7	333.9
17.5°	457.9	454.7	449.8	428.8	414.9	410.2	417.4	424.7	426.3	428.8	410.2
20°	541.4	543.0	528.5	497.6	475.8	477.4	486.3	500.1	506.5	512.2	492.8
22.5°	655.7	642.8	625.7	582.0	552.0	545.4	559.3	585.9	596.5	611.1	592.5
25°	778.0	765.2	735.1	684.8	639.5	620.0	642.8	688.9	706.8	731.1	714.9
27.5°	908.6	898.0	852.7	799.1	737.6	703.5	733.4	796.0	824.3	855.1	837.3
30°	1048.8	1036.7	983.2	920.0	842.1	799.1	822.6	912.7	959.7	1001.8	993.7
32.5°	1215.7	1199.5	1133.9	1053.7	951.5	900.6	925.7	1048.1	1107.2	1161.4	1150.1
35°	1402.2	1394.0	1306.5	1204.4	1078.8	1006.6	1041.5	1174.4	1249.0	1306.5	1291.1
37.5°	1616.2	1606.4	1506.6	1371.3	1211.6	1120.9	1146.9	1296.1	1382.6	1443.6	1409.5
40°	1815.6	1805.8	1706.9	1548.1	1350.3	1240.8	1262.7	1395.7	1474.4	1523.7	1461.4
42.5°	2028.7	2010.1	1899.8	1716.7	1497.8	1368.2	1363.2	1471.8	1547.2	1611.2	1546.4
45°	2216.8	2211.9	2093.5	1883.6	1646.1	1492.9	1461.4	1582.1	1681.0	1766.9	1700.4
47.5°	2335.1	2328.6	2241.9	2032.8	1775.8	1614.6	1591.8	1739.3	1855.2	1948.4	1871.4
50°	2398.2	2395.8	2334.3	2146.2	1905.5	1748.2	1764.4	1931.3	2061.9	2178.6	2095.9
52.5°	2425.8	2425.8	2378.0	2227.2	2020.5	1901.4	1962.2	2153.5	2300.2	2425.8	2315.6
55°	2422.6	2423.4	2373.9	2246.7	2112.2	2061.9	2187.6	2416.0	2564.5	2699.8	2570.9
57.5°	2320.4	2326.9	2316.4	2233.7	2161.5	2224.8	2446.9	2698.1	2837.6	2965.7	2821.4
60°	2074.9	2091.9	2129.1	2145.5	2172.9	2379.6	2716.8	3016.6	3189.3	3345.7	3227.4
62.5°	1837.4	1852.0	1903.9	1974.5	2142.1	2497.1	3016.6	3453.5	3591.4	3741.2	3521.7
65°	1548.9	1571.5	1672.9	1806.6	2067.6	2579.8	3347.3	3862.9	3981.2	4053.3	3781.0
67.5°	1258.6	1279.8	1401.4	1614.6	1970.3	2627.6	3591.4	4227.6	4344.2	4351.6	3947.1
69°	1101.5	1125.0	1249.8	1484.9	1898.2	2601.7	3665.8	4381.6	4451.2	4388.1	3872.5
70°	1017.2	1017.2	1155.8	1395.7	1835.0	2553.9	3678.1	4392.9	4438.3	4345.1	3793.9
72.5°	737.6	745.7	890.8	1170.3	1633.2	2361.0	3474.7	4174.9	4200.8	3950.4	3268.7
75°	505.8	513.8	641.9	909.4	1372.2	2054.6	3065.3	3610.8	3588.1	3312.5	2643.1
77.5°	350.1	355.8	453.1	662.9	1085.3	1700.4	2554.7	2951.8	2895.9	2638.2	1977.6
80°	245.7	251.3	325.8	492.8	823.5	1338.1	2025.4	2312.4	2231.3	2001.9	1452.4
82.5°	172.6	177.5	239.1	372.8	624.1	1041.5	1597.5	1798.5	1718.2	1514.8	1038.3
85°	123.3	126.4	173.4	283.6	478.2	776.5	1212.6	1347.8	1266.0	1078.0	689.8
87.5°	89.1	92.5	128.1	213.9	370.4	603.8	896.4	954.0	839.6	682.5	436.1
90°	67.3	69.7	96.4	160.5	288.6	443.4	641.9	621.6	538.2	430.4	290.9
92.5°	50.3	51.9	73.8	121.6	221.2	344.5	445.8	405.3	335.5	272.3	198.6
95°	37.2	38.9	55.9	91.6	163.7	247.3	290.9	250.4	209.1	172.6	135.4
97.5°	28.4	29.9	43.8	69.7	118.3	174.3	188.0	159.6	138.6	118.3	96.4
100°	22.7	23.5	34.1	53.5	85.1	119.1	129.7	111.0	97.2	86.8	72.9
102.5°	17.8	19.4	27.6	42.2	64.8	88.4	94.1	81.1	72.1	64.8	57.6
105°	15.4	16.2	22.7	34.1	51.1	66.4	71.3	60.7	53.5	48.6	44.6
107.5°	13.7	13.7	19.4	28.4	41.3	52.7	55.0	45.4	39.7	36.5	34.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	12.1	12.1	17.1	24.4	34.9	43.8	42.9	34.1	29.9	26.8	26.8
112.5°	11.4	11.4	14.6	21.9	29.9	36.5	34.1	26.8	23.5	20.2	21.9
115°	10.5	10.5	13.7	19.4	26.8	30.8	28.4	21.1	17.8	16.2	17.8
117.5°	10.5	10.5	13.0	17.8	24.4	26.8	24.4	17.8	14.6	13.7	15.4
120°	10.5	10.5	13.0	17.1	21.9	23.5	20.2	14.6	13.0	11.4	13.7
122.5°	10.5	10.5	12.1	16.2	20.2	21.1	17.8	13.0	10.5	10.5	12.1
125°	11.4	11.4	13.0	16.2	18.7	18.7	15.4	11.4	9.8	9.8	12.1
127.5°	12.1	12.1	13.0	15.4	17.1	16.2	13.7	10.5	9.8	9.8	11.4
130°	13.0	13.0	13.7	14.6	15.4	13.7	11.4	9.8	9.0	9.8	11.4
132.5°	13.0	13.0	13.0	13.7	13.7	12.1	9.8	8.0	8.0	9.0	10.5
135°	12.1	12.1	12.1	12.1	12.1	9.8	8.0	7.3	7.3	8.0	9.8
137.5°	10.5	10.5	9.8	9.8	9.8	8.0	6.4	5.7	5.7	6.4	8.0
140°	8.0	8.0	8.0	8.0	8.0	6.4	4.9	4.1	4.9	5.7	6.4
142.5°	6.4	6.4	6.4	6.4	6.4	4.9	3.3	4.1	4.9	4.9	5.7
145°	5.7	4.9	4.9	4.9	4.9	3.3	2.4	3.3	4.1	4.9	4.9
147.5°	4.1	4.1	4.1	4.1	3.3	1.6	1.6	3.3	3.3	4.1	4.9
150°	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	3.3	3.3	4.1
152.5°	0.8	0.8	1.6	1.6	0.8	0.0	0.8	1.6	2.4	2.4	3.3
155°	0.0	0.0	0.8	1.6	0.0	0.0	0.8	1.6	1.6	2.4	2.4
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	185.6	184.0	180.8	178.3	175.1	172.6	172.6	170.2	170.2	169.4	168.6
5°	192.1	189.7	181.6	175.9	170.2	165.3	162.1	159.6	157.3	155.5	154.8
7.5°	204.2	198.6	187.3	177.5	167.8	160.5	153.9	149.9	146.7	145.9	144.2
10°	224.5	218.0	200.2	184.0	169.4	157.3	149.1	143.4	140.2	139.5	138.6
12.5°	264.2	254.5	228.6	201.8	174.3	155.5	145.1	144.2	145.1	146.7	147.5
15°	321.8	311.3	271.5	229.3	187.3	158.1	152.4	153.9	156.5	158.9	158.9
17.5°	392.2	374.4	321.0	260.1	203.4	172.6	159.6	161.2	166.2	170.2	170.2
20°	470.9	442.5	367.1	282.9	218.8	182.4	166.9	167.8	175.1	180.0	180.8
22.5°	566.5	523.6	415.8	301.5	227.7	186.4	171.9	172.6	184.0	192.1	193.0
25°	674.3	618.4	471.7	321.8	231.0	184.7	174.3	180.0	197.8	211.5	212.4
27.5°	782.2	705.2	514.7	335.5	228.6	180.0	175.9	188.0	209.9	222.9	224.5
30°	921.5	825.1	562.4	341.2	220.4	175.1	175.9	191.3	209.9	222.9	223.7
32.5°	1060.2	928.8	601.4	345.3	211.5	171.0	173.4	187.3	205.1	219.6	220.4
35°	1177.7	1011.5	618.4	337.2	203.4	168.6	169.4	183.1	203.4	221.2	222.2
37.5°	1264.3	1065.0	616.8	317.7	193.7	166.2	166.9	182.4	205.1	224.5	226.9
40°	1293.5	1068.2	585.9	289.3	187.3	165.3	167.8	182.4	203.4	219.6	222.2
42.5°	1361.6	1096.6	564.9	264.2	182.4	166.9	170.2	180.0	195.3	210.8	213.9
45°	1483.2	1173.6	570.6	252.1	181.6	171.0	171.9	177.5	188.0	202.6	206.7
47.5°	1614.6	1252.2	573.1	245.7	185.6	175.1	174.3	175.1	180.8	193.0	197.0
50°	1796.1	1370.5	585.9	244.7	192.1	180.0	176.7	173.4	177.5	192.1	196.1
52.5°	1983.3	1496.2	607.1	249.6	201.8	186.4	180.0	174.3	177.5	190.4	196.1
55°	2192.4	1652.6	637.8	259.4	211.5	193.7	184.0	176.7	176.7	188.0	193.0
57.5°	2423.4	1813.9	678.4	272.3	222.2	201.8	187.3	177.5	175.9	183.1	187.3
60°	2782.4	2084.5	749.7	290.9	232.6	208.2	189.7	178.3	176.7	182.4	184.7
62.5°	3020.7	2272.6	811.4	309.6	242.3	213.9	190.4	178.3	178.3	181.6	183.1
65°	3246.8	2437.1	852.7	326.6	251.3	217.2	190.4	177.5	178.3	180.8	180.8
67.5°	3323.0	2478.5	855.1	338.8	257.0	217.2	188.8	176.7	179.0	181.6	180.8
69°	3231.5	2392.6	818.6	339.6	257.0	214.8	187.3	175.1	179.0	181.6	180.8
70°	3144.7	2318.8	787.8	336.4	254.5	212.4	184.7	174.3	178.3	180.8	180.0
72.5°	2656.0	1916.9	667.0	320.1	245.7	204.2	177.5	168.6	174.3	177.5	175.9
75°	2116.3	1510.7	543.9	291.8	230.2	191.3	167.8	159.6	166.2	169.4	166.9
77.5°	1577.2	1118.5	435.3	263.5	213.2	180.0	157.3	148.4	153.2	154.8	152.4
80°	1144.4	812.2	349.3	237.5	197.8	168.6	146.7	137.0	141.1	141.1	137.7
82.5°	808.8	577.1	282.1	211.5	181.6	158.9	137.7	127.3	133.0	132.1	128.8
85°	542.3	400.4	231.0	183.1	162.9	145.9	128.1	119.9	126.4	125.6	122.4
87.5°	359.0	286.2	193.7	158.9	142.7	129.7	116.7	111.0	117.6	116.0	111.9
90°	254.5	216.5	163.7	137.0	122.4	112.6	103.8	99.7	103.8	100.5	96.4
92.5°	183.1	162.1	134.5	115.0	102.1	95.6	89.9	86.8	89.1	84.2	81.1
95°	129.7	119.1	107.8	94.8	85.1	79.4	76.2	74.6	76.2	69.0	66.4
97.5°	94.8	89.9	85.1	78.6	70.5	67.3	64.8	63.3	63.3	55.9	54.3
100°	73.8	71.3	69.7	65.7	59.2	56.7	55.0	54.3	52.7	46.2	44.6
102.5°	59.2	58.4	58.4	54.3	49.5	47.8	46.2	45.4	43.8	38.1	36.5
105°	47.0	47.0	47.8	44.6	41.3	39.7	38.9	37.2	35.6	31.5	31.5
107.5°	37.2	37.2	38.9	36.5	34.9	33.3	32.4	30.8	29.2	26.8	26.8



REPORT NUMBER: P254414

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-A-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.2	29.9	32.4	30.8	29.2	28.4	27.6	25.1	23.5	22.7	22.7
112.5°	23.5	25.1	26.8	25.9	24.4	24.4	22.7	21.1	19.4	19.4	19.4
115°	20.2	21.1	22.7	21.9	21.1	20.2	19.4	17.1	16.2	16.2	17.1
117.5°	17.1	17.8	19.4	18.7	17.8	17.8	16.2	14.6	13.0	14.6	14.6
120°	14.6	15.4	16.2	16.2	15.4	15.4	13.7	12.1	10.5	12.1	12.1
122.5°	13.7	13.7	14.6	13.7	13.7	13.0	11.4	9.8	9.0	10.5	10.5
125°	13.0	13.0	13.0	12.1	12.1	11.4	9.8	8.0	7.3	9.0	9.0
127.5°	12.1	12.1	12.1	11.4	9.8	9.0	8.0	6.4	5.7	7.3	7.3
130°	12.1	12.1	10.5	9.8	9.0	7.3	6.4	4.9	4.9	6.4	6.4
132.5°	11.4	10.5	9.8	8.0	7.3	5.7	4.9	4.1	4.1	4.9	5.7
135°	9.8	9.8	8.0	6.4	5.7	4.1	4.1	2.4	3.3	4.1	4.1
137.5°	8.0	8.0	7.3	5.7	4.1	3.3	2.4	1.6	2.4	3.3	3.3
140°	7.3	6.4	5.7	4.9	3.3	1.6	1.6	0.8	1.6	1.6	2.4
142.5°	6.4	6.4	5.7	4.1	2.4	1.6	0.0	0.8	0.8	0.8	1.6
145°	5.7	5.7	4.9	3.3	2.4	0.8	0.0	0.8	0.8	0.8	0.0
147.5°	4.9	4.9	4.1	3.3	1.6	0.0	0.0	0.0	0.8	0.0	0.0
150°	4.1	4.1	3.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.4	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	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)