

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: P255233

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6879.3 lumens
Efficiency: N/A
Efficacy: 93.0 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

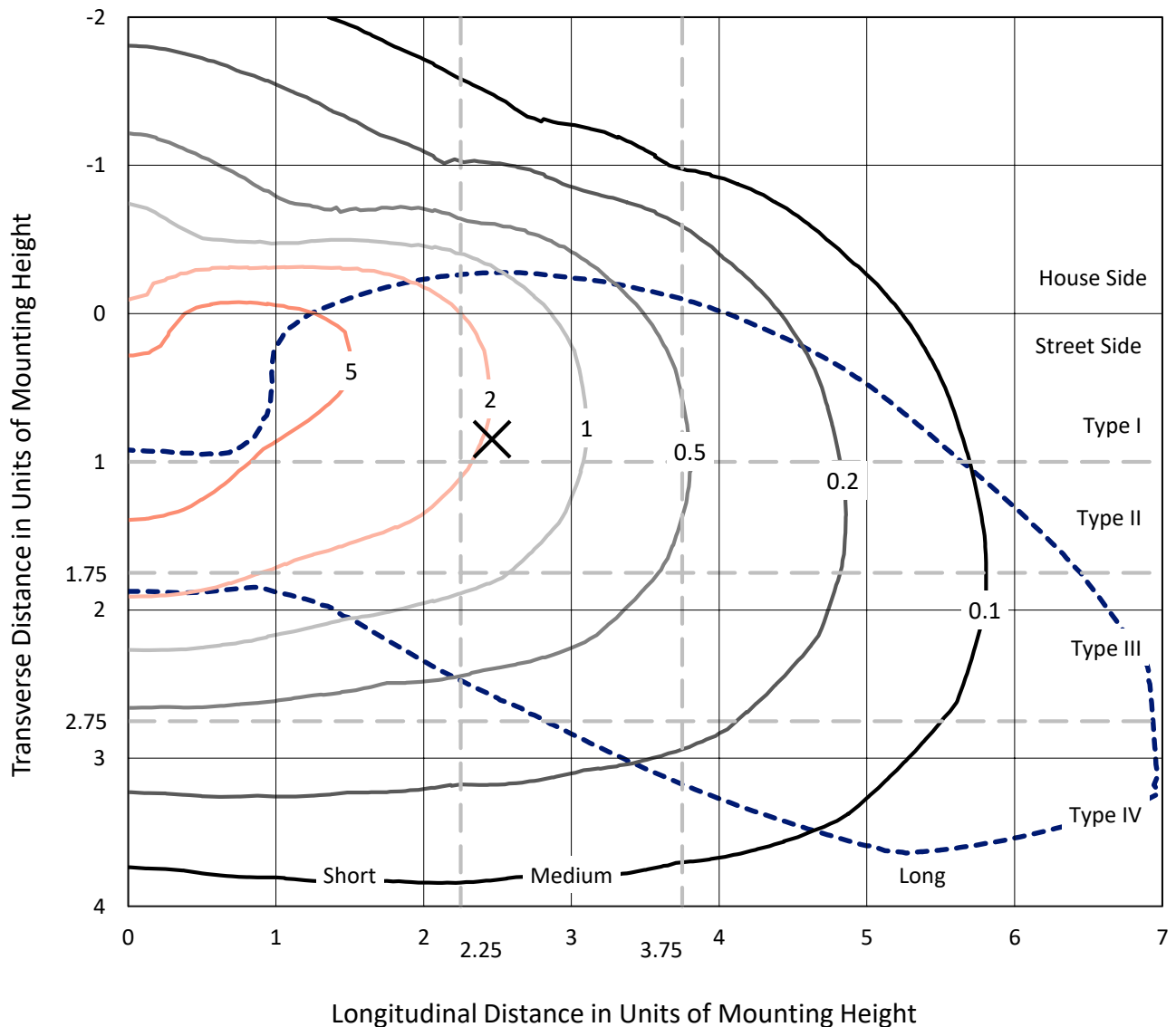
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

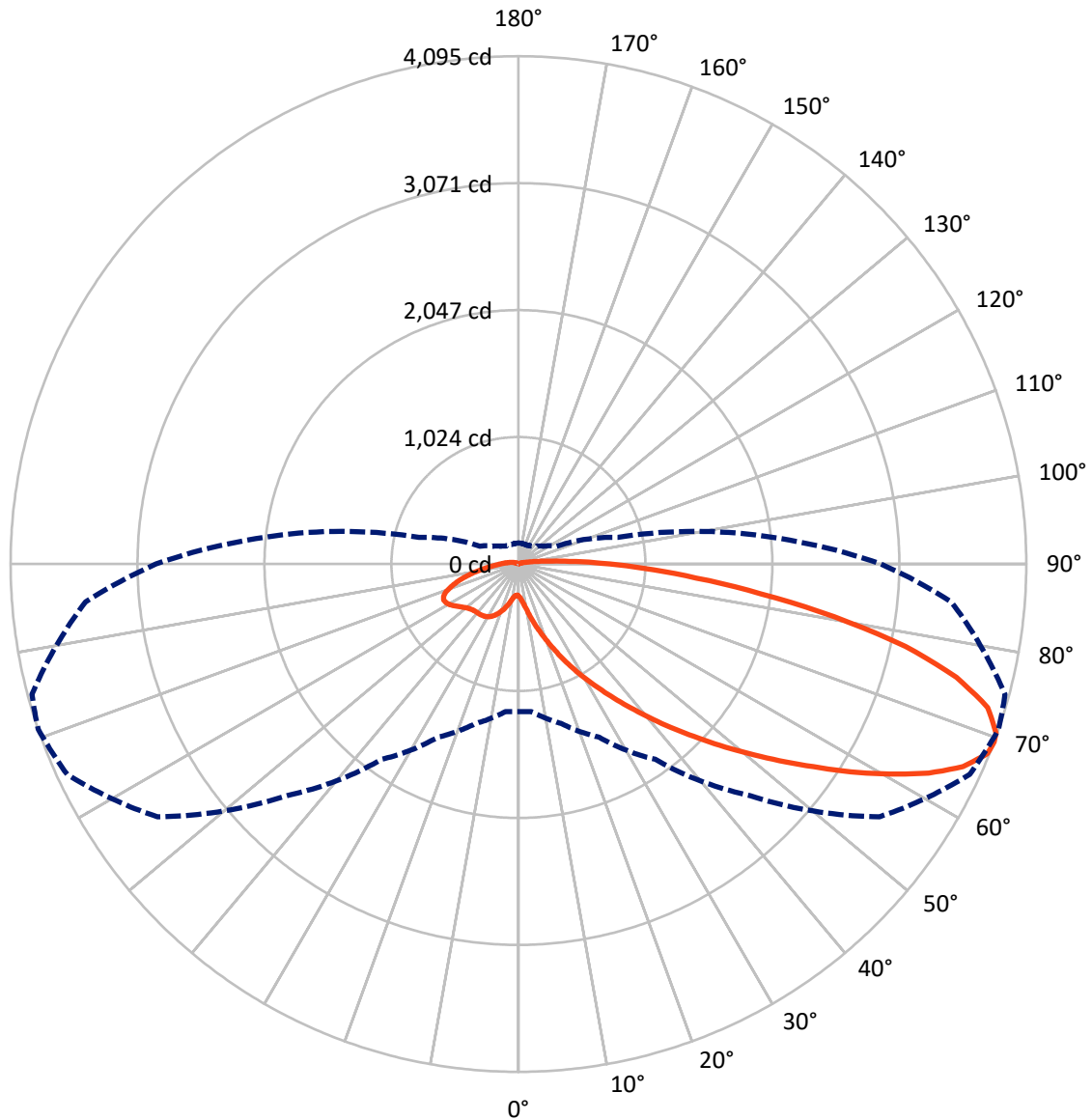
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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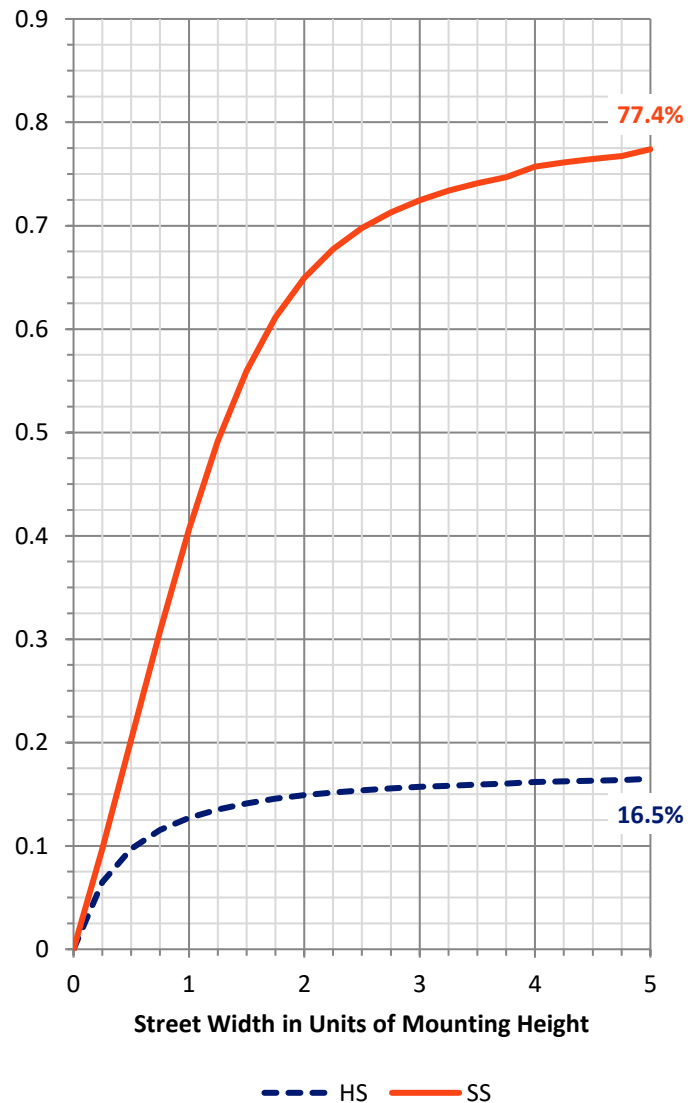
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.9	87.9	1269.7
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	5473.7	135.9	5609.6
	% Fixture	79.6	2.0	81.5
Total	Lumens	6655.6	223.8	6879.3
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	0.4
10°-20°	112.0	1.6
20°-30°	270.6	3.9
30°-40°	526.8	7.7
40°-50°	901.6	13.1
50°-60°	1345.4	19.6
60°-70°	1617.9	23.5
70°-80°	1294.6	18.8
80°-90°	559.6	8.1
90°-100°	150.3	2.2
100°-110°	46.2	0.7
110°-120°	17.6	0.3
120°-130°	6.4	0.1
130°-140°	2.4	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°	6655.6	96.7
0°-180°	6879.3	100.0

Coefficient of Utilization



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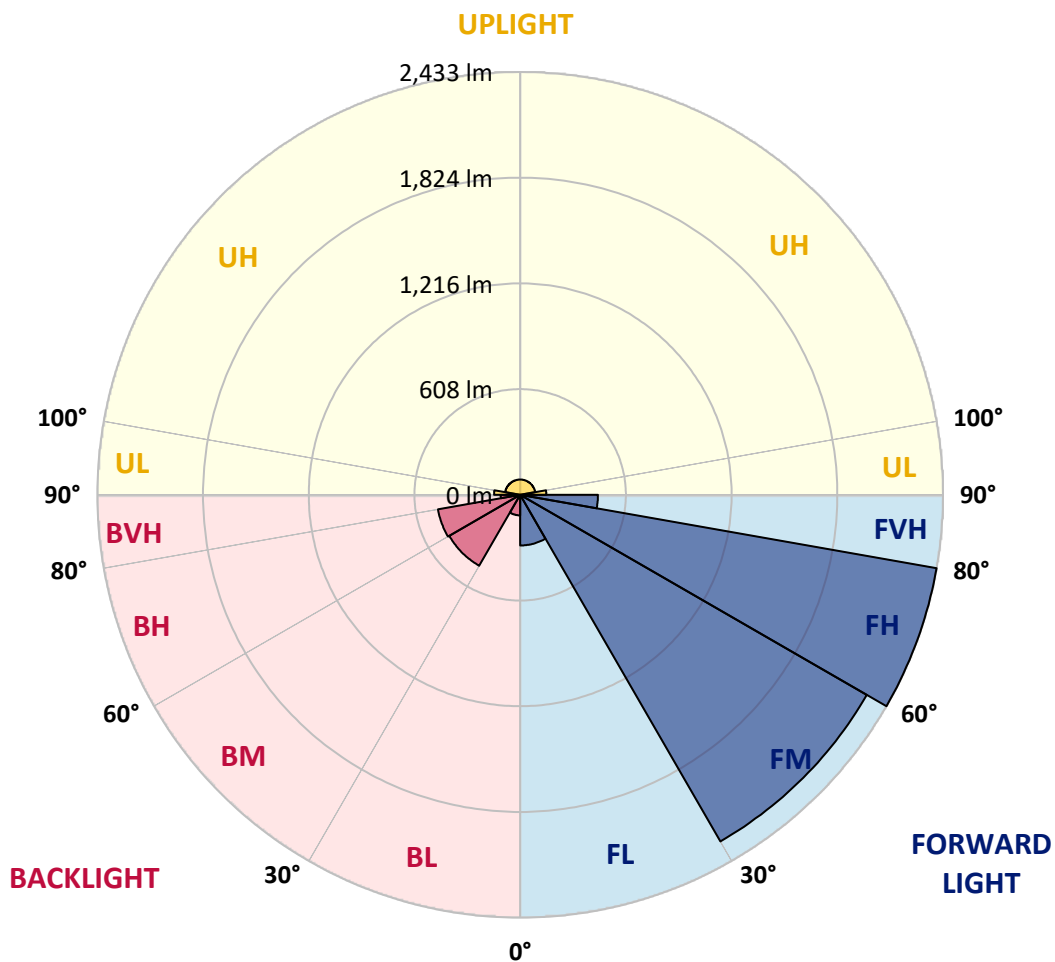
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.4	4.2			
FM	(30°-60°)	2302.4	33.5			
FH	(60°-80°)	2432.5	35.4			G2/5000
FVH	(80°-90°)	447.4	6.5			G3/500
BL	(0°-30°)	118.3	1.7	B1/500		
BM	(30°-60°)	471.4	6.9	B1/1000		
BH	(60°-80°)	479.9	7.0	B1/500		G1/500
BVH	(80°-90°)	112.3	1.6			G2/225
UL	(90°-100°)	150.3	2.2		U3/500	
UH	(100°-180°)	87.9	1.3		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°	71°	75°	85°
0°	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0
2.5°	292.3	292.3	291.4	292.3	288.1	286.3	281.2	276.0	272.6	271.7	264.0
5°	326.6	326.6	325.7	325.7	320.6	317.2	310.3	301.8	297.5	294.0	281.2
7.5°	366.0	365.2	364.3	365.2	360.9	353.1	347.2	336.0	331.7	324.9	308.6
10°	414.0	412.4	413.2	410.6	403.8	400.3	394.3	382.3	377.2	372.0	353.1
12.5°	472.3	472.3	470.6	465.4	458.6	456.8	454.3	447.4	440.6	433.7	407.1
15°	537.5	535.7	533.2	526.3	520.4	516.9	520.4	516.1	510.9	502.4	471.5
17.5°	612.0	608.7	604.4	595.8	586.4	588.1	591.5	588.1	581.1	578.6	541.8
20°	694.4	693.5	684.9	670.3	661.7	656.6	666.0	670.3	664.3	661.7	619.8
22.5°	792.1	786.0	774.9	756.9	741.4	732.9	743.2	758.6	756.9	753.5	708.9
25°	906.0	896.6	885.5	853.8	828.1	813.5	828.1	849.5	858.1	854.7	802.3
27.5°	1033.8	1020.9	1002.9	966.1	924.0	894.9	915.5	943.8	965.3	966.9	903.5
30°	1172.7	1161.6	1137.5	1083.5	1024.4	988.4	1004.6	1047.5	1077.5	1079.2	1009.8
32.5°	1331.3	1319.2	1271.2	1213.8	1137.5	1087.8	1104.1	1159.8	1195.8	1207.8	1125.6
35°	1501.8	1489.0	1448.7	1358.7	1260.1	1195.8	1213.8	1283.2	1327.0	1345.0	1248.9
37.5°	1683.6	1662.1	1615.9	1515.5	1404.1	1321.9	1330.3	1411.8	1471.8	1494.9	1386.9
40°	1861.0	1852.5	1789.9	1672.4	1537.8	1448.7	1456.4	1551.5	1627.0	1653.6	1534.4
42.5°	2042.7	2023.0	1963.9	1827.6	1679.3	1582.4	1601.2	1708.4	1801.0	1830.2	1688.7
45°	2215.9	2198.7	2123.3	1978.4	1824.1	1727.3	1753.8	1886.7	1982.7	2021.2	1864.4
47.5°	2372.7	2350.4	2274.1	2117.3	1966.4	1879.9	1914.1	2071.9	2184.2	2228.7	2061.6
50°	2485.9	2467.9	2389.9	2236.5	2096.7	2040.2	2103.6	2273.3	2400.1	2460.2	2275.9
52.5°	2535.6	2527.1	2452.4	2314.4	2209.9	2199.5	2316.2	2490.2	2634.2	2699.4	2504.8
55°	2517.6	2504.8	2462.8	2352.2	2296.4	2354.7	2539.1	2737.9	2885.3	2955.6	2750.8
57.5°	2415.6	2407.0	2403.6	2334.2	2347.1	2503.1	2759.3	3015.7	3160.5	3217.1	2996.8
60°	2242.4	2237.3	2272.5	2269.0	2359.8	2623.9	2991.6	3309.7	3438.2	3503.4	3237.6
62.5°	1984.4	1996.4	2077.0	2146.5	2317.9	2704.5	3204.3	3578.0	3712.6	3759.8	3424.5
65°	1682.7	1704.1	1812.2	1953.5	2221.0	2737.9	3396.3	3811.1	3939.7	3956.9	3543.7
67.5°	1347.5	1381.8	1510.4	1706.7	2054.7	2707.0	3517.1	3968.0	4079.4	4058.0	3553.9
69°	1189.8	1194.1	1330.3	1541.3	1922.7	2641.1	3553.9	4014.3	4094.9	4061.4	3503.4
70°	1074.1	1081.0	1215.5	1433.3	1824.9	2576.8	3553.1	4025.4	4086.3	4034.0	3454.5
72.5°	795.4	821.2	954.9	1179.6	1573.8	2354.7	3438.2	3963.7	3957.7	3863.5	3193.1
75°	577.8	599.1	727.7	949.8	1325.2	2062.5	3156.2	3708.3	3649.2	3528.3	2793.7
77.5°	412.4	418.3	532.3	746.7	1093.8	1726.4	2725.0	3252.3	3190.5	3009.6	2287.9
80°	278.5	283.8	377.2	564.9	880.4	1418.6	2243.3	2665.9	2583.7	2387.4	1736.7
82.5°	180.0	189.5	263.2	414.9	689.2	1144.4	1771.9	2065.0	1970.7	1795.0	1277.3
85°	126.0	128.6	182.6	300.0	517.7	885.5	1345.8	1537.0	1439.3	1294.3	891.5
87.5°	84.0	86.5	128.6	217.7	377.2	648.0	978.0	1090.4	1006.4	889.8	594.0
90°	53.2	57.4	89.1	155.2	271.7	452.7	676.4	730.4	670.3	575.2	368.6
92.5°	37.7	39.4	62.6	111.4	192.8	310.3	441.5	462.9	411.4	348.9	222.9
95°	25.7	27.4	45.4	79.7	138.9	209.2	281.2	282.0	240.9	205.7	141.5
97.5°	18.8	20.6	34.3	59.1	99.4	143.1	179.1	169.7	144.8	126.0	98.6
100°	15.4	16.3	27.4	45.4	72.0	101.2	117.4	106.3	93.4	84.0	72.0
102.5°	12.9	13.7	23.1	36.8	54.0	72.0	79.7	71.2	63.4	58.3	54.0
105°	11.2	12.0	19.7	30.9	43.7	53.2	56.6	50.5	46.3	42.9	40.3
107.5°	10.3	11.2	17.2	26.6	36.0	42.9	44.6	38.6	34.3	30.9	29.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	9.4	10.3	15.4	23.1	30.9	36.0	35.2	30.0	24.9	21.4	21.4
112.5°	8.6	9.4	13.7	20.6	26.6	30.0	29.2	22.3	18.0	15.4	15.4
115°	7.7	8.6	12.0	18.0	23.1	24.9	23.1	17.2	12.9	10.3	12.0
117.5°	6.9	7.7	10.3	15.4	19.7	20.6	18.0	12.9	9.4	7.7	8.6
120°	6.9	6.9	9.4	12.9	16.3	17.2	14.5	9.4	6.9	6.0	6.9
122.5°	6.0	6.9	8.6	11.2	13.7	13.7	11.2	6.9	5.1	5.1	6.0
125°	6.0	6.0	6.9	9.4	11.2	11.2	8.6	5.1	4.3	5.1	6.0
127.5°	5.1	6.0	6.9	8.6	9.4	9.4	6.9	4.3	4.3	4.3	5.1
130°	5.1	5.1	6.0	6.9	7.7	6.9	5.1	3.5	3.5	4.3	5.1
132.5°	5.1	5.1	5.1	6.0	6.9	5.1	3.5	3.5	3.5	3.5	5.1
135°	4.3	4.3	4.3	5.1	5.1	3.5	2.6	2.6	3.5	3.5	4.3
137.5°	3.5	3.5	3.5	3.5	3.5	2.6	1.7	2.6	2.6	3.5	4.3
140°	2.6	2.6	2.6	2.6	2.6	0.8	1.7	1.7	2.6	2.6	3.5
142.5°	1.7	1.7	1.7	2.6	1.7	0.8	0.8	1.7	2.6	2.6	3.5
145°	0.8	0.8	1.7	1.7	0.8	0.0	0.8	1.7	1.7	2.6	2.6
147.5°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1.7	1.7	2.6
150°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0	258.0
2.5°	261.5	258.9	252.9	246.8	240.9	236.6	233.1	232.3	229.8	227.2	228.0
5°	275.2	269.1	258.9	246.0	234.1	223.7	216.0	209.2	204.9	199.7	200.6
7.5°	300.0	290.6	272.6	251.1	231.5	215.1	199.7	191.2	184.3	180.9	180.0
10°	337.8	324.9	294.9	264.0	234.1	210.0	191.2	180.0	173.2	168.9	168.9
12.5°	390.9	372.0	329.2	284.6	243.5	210.8	188.6	177.5	170.6	168.0	168.0
15°	449.2	424.3	366.9	306.1	252.9	213.5	189.5	177.5	171.4	168.9	168.0
17.5°	514.3	480.9	403.8	324.1	260.5	218.6	190.3	177.5	171.4	169.7	168.9
20°	584.6	542.6	441.5	341.2	266.6	219.4	189.5	176.6	172.3	171.4	171.4
22.5°	663.5	608.7	477.5	355.8	270.1	216.9	186.9	175.7	173.2	174.0	174.0
25°	745.7	677.2	511.8	364.3	266.6	210.8	184.3	175.7	174.8	177.5	177.5
27.5°	833.2	745.7	541.8	370.3	259.7	202.3	180.0	175.7	176.6	180.0	180.0
30°	925.0	816.1	567.4	369.5	251.1	195.5	177.5	174.8	178.3	183.4	183.4
32.5°	1021.8	888.9	588.9	364.3	240.9	190.3	174.8	175.7	180.9	186.9	187.7
35°	1121.3	957.5	606.0	354.0	231.5	186.0	174.8	177.5	183.4	190.3	191.2
37.5°	1231.8	1034.6	621.4	344.6	224.5	184.3	175.7	178.3	185.2	192.8	194.6
40°	1350.9	1118.7	632.6	332.6	219.4	185.2	177.5	180.0	186.0	194.6	196.3
42.5°	1477.9	1204.4	644.7	323.2	215.1	186.0	180.0	180.9	186.9	196.3	198.0
45°	1621.8	1300.4	658.4	314.6	214.3	189.5	181.8	180.9	186.0	198.0	198.9
47.5°	1786.4	1420.4	678.9	308.6	214.3	192.0	183.4	180.9	185.2	198.0	199.7
50°	1966.4	1546.4	703.8	306.9	216.9	195.5	185.2	180.9	184.3	194.6	196.3
52.5°	2157.6	1688.7	737.2	307.7	220.3	198.0	186.9	180.0	181.8	189.5	190.3
55°	2370.2	1840.4	774.9	312.9	225.5	201.4	187.7	178.3	178.3	183.4	183.4
57.5°	2578.4	1998.1	816.1	318.9	232.3	204.9	187.7	176.6	175.7	179.1	179.1
60°	2771.4	2130.2	856.3	326.6	238.3	206.6	186.9	174.8	173.2	175.7	176.6
62.5°	2932.5	2237.3	881.2	335.1	243.5	207.5	185.2	173.2	171.4	174.0	174.0
65°	3002.8	2288.8	886.4	341.2	248.6	206.6	182.6	170.6	169.7	171.4	172.3
67.5°	2990.8	2259.6	861.5	342.1	250.3	205.7	180.0	168.0	168.0	169.7	169.7
69°	2922.3	2197.0	829.8	340.3	250.3	203.2	177.5	166.3	167.2	168.9	168.9
70°	2857.1	2130.2	798.9	336.0	249.5	201.4	174.8	164.6	166.3	168.0	168.0
72.5°	2606.8	1911.6	717.5	322.3	242.5	195.5	169.7	159.5	162.9	166.3	165.4
75°	2244.1	1621.0	621.4	300.8	231.5	186.9	162.9	153.4	158.6	162.9	162.0
77.5°	1806.1	1296.1	521.2	276.0	217.7	175.7	154.3	146.6	152.6	157.7	156.8
80°	1374.1	995.2	423.5	248.6	199.7	163.8	144.8	138.0	145.8	150.0	149.1
82.5°	1004.6	727.7	332.6	221.2	182.6	150.9	133.7	128.6	136.3	140.6	138.9
85°	696.9	508.3	257.2	191.2	163.8	136.3	121.7	118.3	125.1	128.6	126.8
87.5°	460.3	342.9	198.9	165.4	145.8	122.5	110.6	107.1	114.1	115.7	114.9
90°	292.3	229.8	157.7	142.3	128.6	108.8	98.6	96.9	102.0	102.9	100.2
92.5°	186.9	157.7	127.8	122.5	112.3	96.9	88.3	85.7	90.0	90.0	87.5
95°	129.4	117.4	104.5	105.5	97.7	84.9	77.1	76.3	78.1	76.3	75.4
97.5°	93.4	89.1	86.5	90.0	84.9	73.8	67.7	66.0	66.9	64.2	63.4
100°	71.2	70.3	72.0	75.4	72.0	63.4	58.3	57.4	56.6	52.3	52.3
102.5°	54.8	54.8	59.1	64.2	60.9	54.0	50.5	48.9	46.3	42.0	41.1
105°	42.0	42.9	48.9	53.2	51.5	45.4	42.9	40.3	36.8	32.5	32.5
107.5°	31.7	33.5	39.4	43.7	42.0	37.7	35.2	32.5	29.2	24.9	25.7



REPORT NUMBER: P255233

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.0	25.7	31.7	35.2	34.3	31.7	29.2	26.6	22.3	18.8	19.7
112.5°	18.0	19.7	24.9	28.3	28.3	25.7	23.1	20.6	16.3	14.5	14.5
115°	13.7	15.4	19.7	22.3	22.3	19.7	18.0	15.4	12.0	11.2	11.2
117.5°	10.3	12.0	15.4	18.0	17.2	15.4	13.7	12.0	9.4	8.6	8.6
120°	8.6	9.4	12.0	13.7	12.9	12.0	10.3	8.6	6.9	6.9	6.9
122.5°	6.9	7.7	9.4	10.3	9.4	8.6	7.7	6.0	5.1	5.1	5.1
125°	6.0	6.9	7.7	7.7	6.9	6.0	5.1	4.3	3.5	4.3	4.3
127.5°	6.0	6.0	6.9	6.0	5.1	4.3	3.5	2.6	2.6	3.5	3.5
130°	5.1	6.0	6.0	5.1	4.3	2.6	2.6	1.7	1.7	2.6	2.6
132.5°	5.1	5.1	5.1	4.3	3.5	1.7	0.8	0.8	1.7	1.7	1.7
135°	4.3	5.1	4.3	3.5	2.6	1.7	0.0	0.8	0.8	0.8	0.8
137.5°	4.3	4.3	4.3	3.5	1.7	0.8	0.0	0.0	0.8	0.0	0.0
140°	3.5	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.5	3.5	3.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)