

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: P266236

Luminaire Tested: **LXF.LXT-AF24-100-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266236
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-AF24-100-D-U-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 6972.4 lumens
Efficiency: N/A
Efficacy: 72.6 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): 96
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

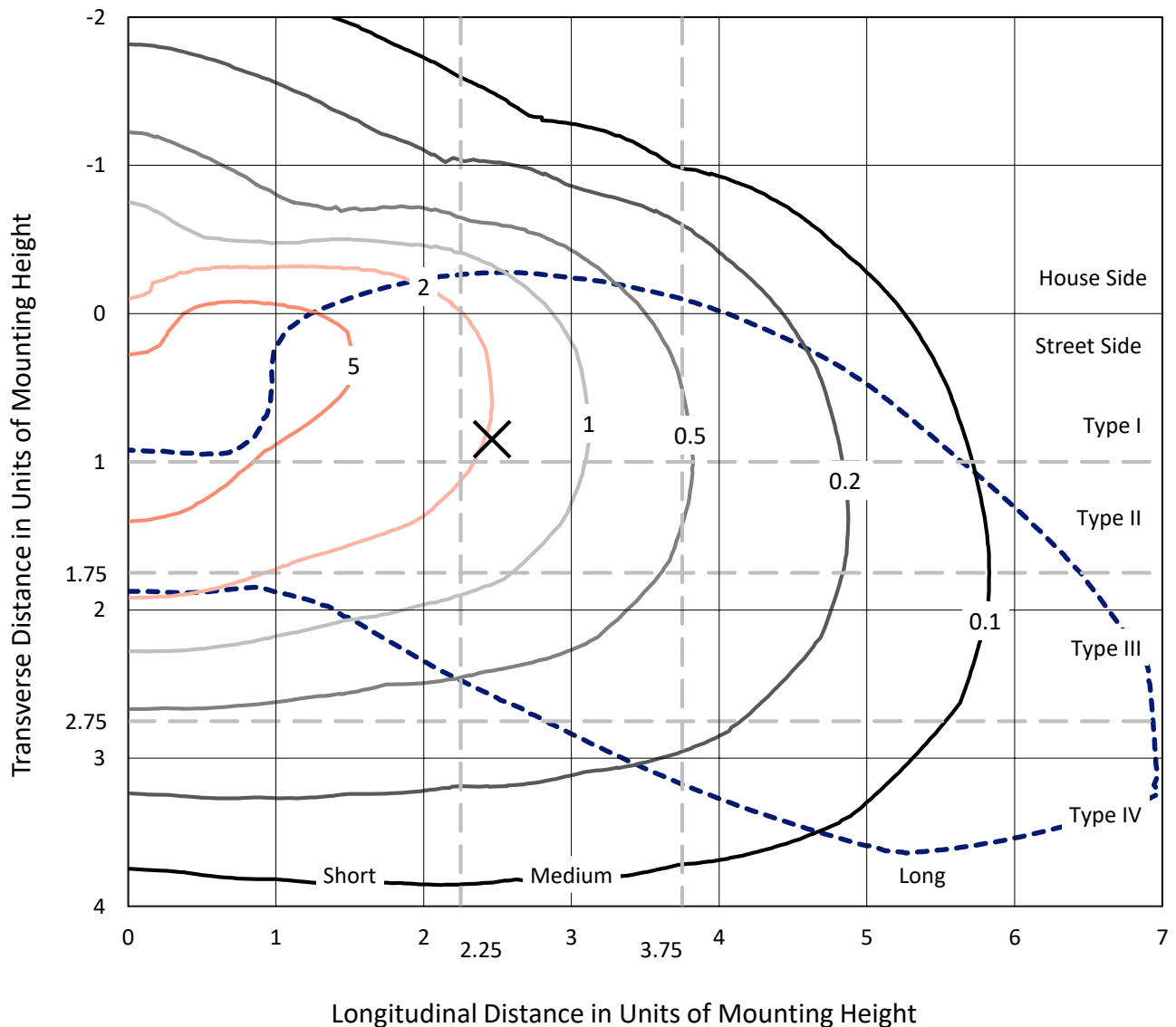


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

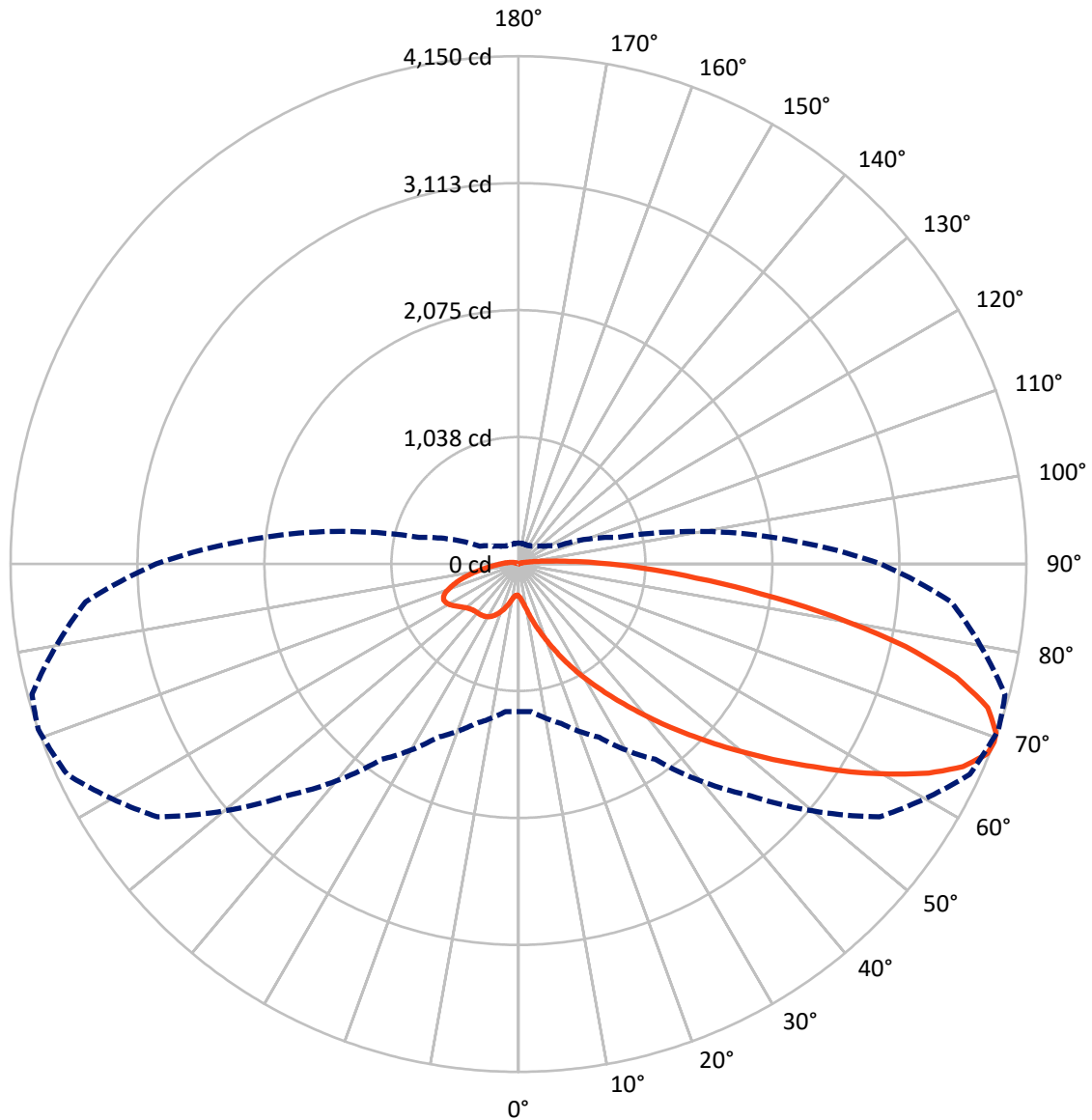


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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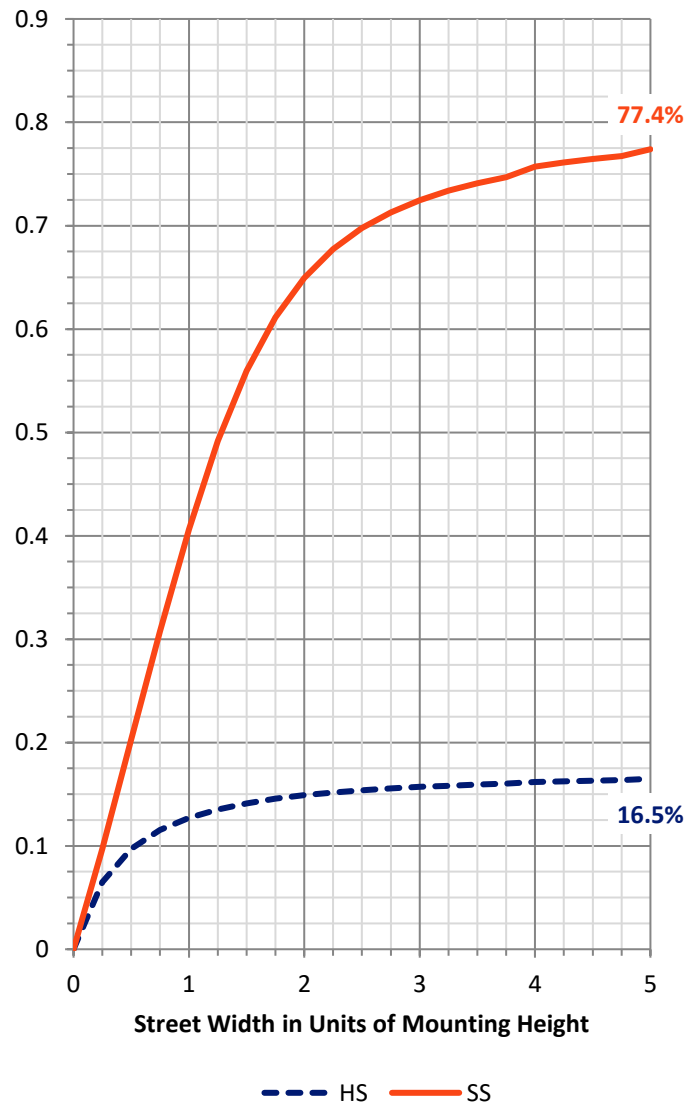
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1197.8	89.0	1286.9
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	5547.8	137.8	5685.5
	% Fixture	79.6	2.0	81.5
Total	Lumens	6745.6	226.8	6972.4
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.4
10°-20°	113.5	1.6
20°-30°	274.3	3.9
30°-40°	533.9	7.7
40°-50°	913.8	13.1
50°-60°	1363.6	19.6
60°-70°	1639.8	23.5
70°-80°	1312.1	18.8
80°-90°	567.2	8.1
90°-100°	152.4	2.2
100°-110°	46.8	0.7
110°-120°	17.8	0.3
120°-130°	6.5	0.1
130°-140°	2.5	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°	6745.6	96.7
0°-180°	6972.4	100.0

Coefficient of Utilization



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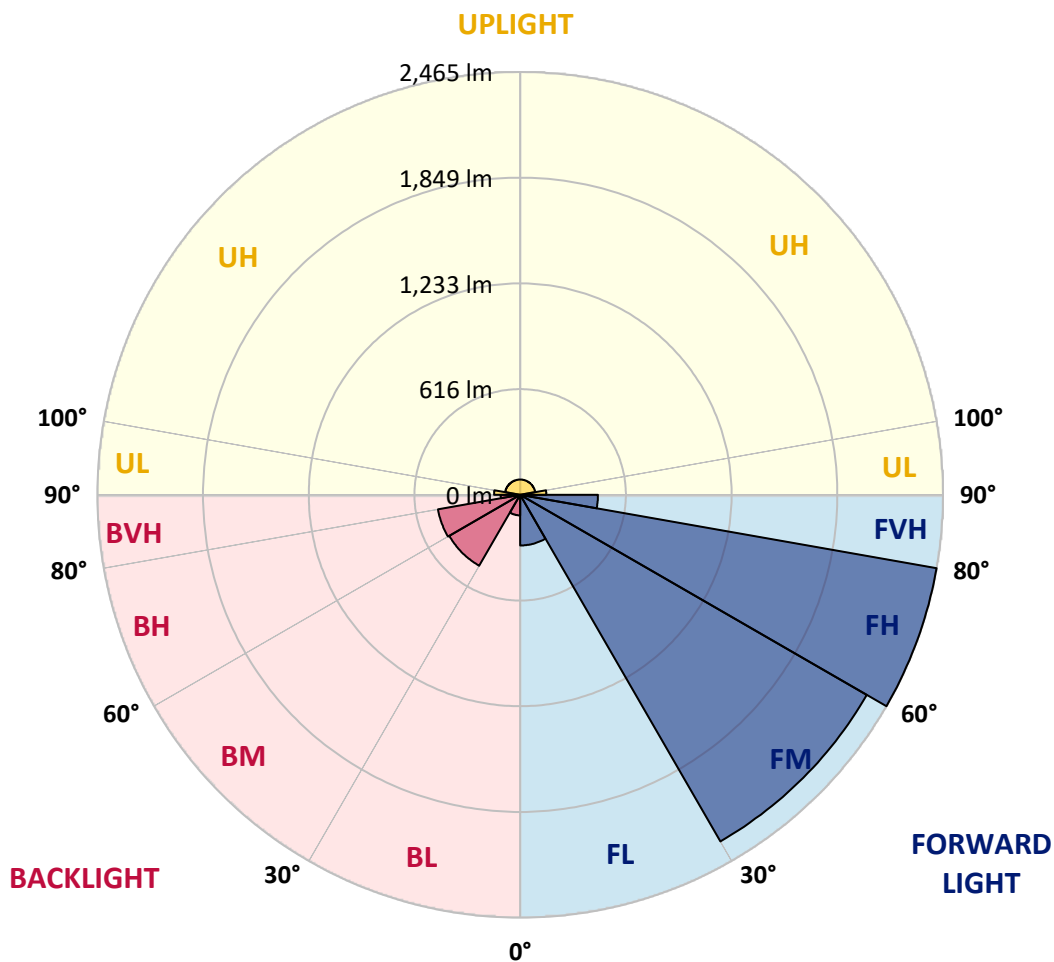
CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	4.2			
FM	(30°-60°)	2333.6	33.5			
FH	(60°-80°)	2465.5	35.4			G2/5000
FVH	(80°-90°)	453.4	6.5			G3/500
BL	(0°-30°)	119.9	1.7	B1/500		
BM	(30°-60°)	477.8	6.9	B1/1000		
BH	(60°-80°)	486.4	7.0	B1/500		G1/500
BVH	(80°-90°)	113.8	1.6			G2/225
UL	(90°-100°)	152.4	2.2		U3/500	
UH	(100°-180°)	89.0	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°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	296.4	296.4	295.5	296.4	291.9	290.2	284.9	279.7	276.3	275.4	267.5
5°	331.0	331.0	330.1	330.1	324.9	321.5	314.4	305.9	301.6	298.0	284.9
7.5°	371.0	370.1	369.3	370.1	365.8	358.0	351.9	340.5	336.2	329.3	312.8
10°	419.7	417.9	418.8	416.2	409.2	405.8	399.7	387.4	382.3	377.1	358.0
12.5°	478.6	478.6	477.0	471.8	464.9	463.0	460.6	453.6	446.5	439.6	412.7
15°	544.7	543.0	540.4	533.5	527.3	523.9	527.3	523.1	517.9	509.1	477.9
17.5°	620.3	616.9	612.6	603.8	594.3	595.9	599.4	595.9	589.1	586.5	549.0
20°	703.7	702.8	694.2	679.4	670.8	665.6	675.0	679.4	673.3	670.8	628.2
22.5°	802.7	796.6	785.4	767.2	751.5	742.8	753.3	768.9	767.2	763.6	718.6
25°	918.3	908.7	897.4	865.3	839.2	824.6	839.2	860.9	869.6	866.1	813.1
27.5°	1047.9	1034.8	1016.5	979.2	936.6	907.0	927.9	956.5	978.3	980.1	915.7
30°	1188.5	1177.1	1153.0	1098.2	1038.3	1001.7	1018.3	1061.6	1092.1	1093.9	1023.4
32.5°	1349.3	1337.0	1288.4	1230.1	1153.0	1102.5	1119.0	1175.5	1212.1	1224.1	1140.8
35°	1522.2	1509.2	1468.3	1377.0	1277.1	1212.1	1230.1	1300.6	1344.9	1363.2	1265.8
37.5°	1706.3	1684.6	1637.7	1536.0	1423.2	1339.7	1348.4	1430.9	1491.7	1515.3	1405.8
40°	1886.3	1877.5	1814.0	1695.0	1558.6	1468.3	1476.2	1572.6	1649.0	1676.0	1555.1
42.5°	2070.4	2050.4	1990.5	1852.2	1702.0	1603.8	1623.0	1731.6	1825.4	1854.9	1711.5
45°	2245.9	2228.4	2152.0	2005.1	1848.8	1750.6	1777.6	1912.2	2009.6	2048.7	1889.7
47.5°	2404.9	2382.2	2305.0	2146.0	1993.1	1905.2	1940.1	2099.9	2213.8	2258.9	2089.5
50°	2519.6	2501.3	2422.2	2266.8	2125.1	2067.8	2132.0	2304.2	2432.7	2493.4	2306.7
52.5°	2570.0	2561.2	2485.7	2345.7	2239.7	2229.4	2347.5	2523.9	2669.9	2735.9	2538.7
55°	2551.6	2538.7	2496.1	2384.0	2327.6	2386.5	2573.5	2775.0	2924.4	2995.7	2788.0
57.5°	2448.3	2439.5	2436.2	2365.7	2378.8	2537.0	2796.8	3056.5	3203.3	3260.7	3037.3
60°	2272.8	2267.6	2303.3	2299.8	2391.8	2659.4	3032.1	3354.5	3484.7	3550.8	3281.5
62.5°	2011.2	2023.4	2105.1	2175.4	2349.2	2741.1	3247.6	3626.4	3762.8	3810.6	3471.0
65°	1705.4	1727.3	1836.7	1980.0	2251.2	2775.0	3442.2	3862.7	3993.1	4010.5	3591.7
67.5°	1365.8	1400.5	1530.8	1729.7	2082.5	2743.8	3564.7	4021.7	4134.7	4112.9	3602.1
69°	1206.0	1210.2	1348.4	1562.2	1948.8	2676.8	3602.1	4068.7	4150.3	4116.5	3550.8
70°	1088.7	1095.6	1231.9	1452.6	1849.7	2611.6	3601.2	4079.9	4141.6	4088.6	3501.4
72.5°	806.3	832.3	967.8	1195.5	1595.1	2386.5	3484.7	4017.4	4011.3	3915.7	3236.4
75°	585.5	607.3	737.6	962.7	1343.1	2090.4	3199.0	3758.5	3698.5	3576.1	2831.5
77.5°	417.9	424.0	539.5	756.7	1108.6	1749.8	2762.0	3296.3	3233.7	3050.4	2318.9
80°	282.3	287.5	382.3	572.5	892.2	1437.8	2273.7	2702.0	2618.6	2419.7	1760.1
82.5°	182.4	192.0	266.7	420.4	698.5	1159.8	1795.8	2093.0	1997.4	1819.2	1294.5
85°	127.6	130.3	185.1	304.0	524.8	897.4	1364.0	1557.8	1458.8	1312.0	903.5
87.5°	85.1	87.8	130.3	220.7	382.3	656.8	991.3	1105.2	1019.9	901.8	602.0
90°	53.9	58.2	90.4	157.3	275.4	458.8	685.4	740.3	679.4	583.0	373.5
92.5°	38.2	40.0	63.4	112.9	195.6	314.4	447.4	469.2	417.1	353.7	226.0
95°	26.1	27.8	46.1	80.8	140.8	212.0	284.9	285.8	244.1	208.4	143.4
97.5°	19.1	20.8	34.8	59.9	100.8	145.0	181.5	172.0	146.9	127.6	99.9
100°	15.6	16.4	27.8	46.1	73.0	102.5	119.0	107.7	94.7	85.1	73.0
102.5°	13.0	14.0	23.4	37.4	54.7	73.0	80.8	72.1	64.3	59.1	54.7
105°	11.3	12.1	20.0	31.4	44.2	53.9	57.3	51.3	46.9	43.5	40.9
107.5°	10.4	11.3	17.3	26.9	36.6	43.5	45.2	39.0	34.8	31.4	29.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	9.5	10.4	15.6	23.4	31.4	36.6	35.7	30.5	25.2	21.6	21.6
112.5°	8.8	9.5	14.0	20.8	26.9	30.5	29.6	22.5	18.2	15.6	15.6
115°	7.8	8.8	12.1	18.2	23.4	25.2	23.4	17.3	13.0	10.4	12.1
117.5°	6.9	7.8	10.4	15.6	20.0	20.8	18.2	13.0	9.5	7.8	8.8
120°	6.9	6.9	9.5	13.0	16.4	17.3	14.7	9.5	6.9	6.1	6.9
122.5°	6.1	6.9	8.8	11.3	14.0	14.0	11.3	6.9	5.2	5.2	6.1
125°	6.1	6.1	6.9	9.5	11.3	11.3	8.8	5.2	4.3	5.2	6.1
127.5°	5.2	6.1	6.9	8.8	9.5	9.5	6.9	4.3	4.3	4.3	5.2
130°	5.2	5.2	6.1	6.9	7.8	6.9	5.2	3.5	3.5	4.3	5.2
132.5°	5.2	5.2	5.2	6.1	6.9	5.2	3.5	3.5	3.5	3.5	5.2
135°	4.3	4.3	4.3	5.2	5.2	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	0.9	1.7	1.7	2.6	2.6	3.5
142.5°	1.7	1.7	1.7	2.6	1.7	0.9	0.9	1.7	2.6	2.6	3.5
145°	0.9	0.9	1.7	1.7	0.9	0.0	0.9	1.7	1.7	2.6	2.6
147.5°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	1.7	1.7	2.6
150°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	0.9	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	265.0	262.3	256.2	250.2	244.1	239.8	236.3	235.4	232.8	230.2	231.1
5°	278.8	272.8	262.3	249.4	237.2	226.7	218.9	212.0	207.7	202.5	203.2
7.5°	304.0	294.6	276.3	254.6	234.5	218.1	202.5	193.8	186.8	183.3	182.4
10°	342.3	329.3	298.9	267.5	237.2	212.9	193.8	182.4	175.4	171.1	171.1
12.5°	396.2	377.1	333.6	288.4	246.8	213.7	191.1	179.8	173.0	170.3	170.3
15°	455.3	430.1	371.9	310.2	256.2	216.3	192.0	179.8	173.7	171.1	170.3
17.5°	521.2	487.4	409.2	328.4	264.1	221.5	192.9	179.8	173.7	172.0	171.1
20°	592.5	549.9	447.4	345.8	270.2	222.4	192.0	179.0	174.6	173.7	173.7
22.5°	672.4	616.9	483.9	360.6	273.7	219.8	189.5	178.1	175.4	176.3	176.3
25°	755.8	686.3	518.7	369.3	270.2	213.7	186.8	178.1	177.2	179.8	179.8
27.5°	844.4	755.8	549.0	375.3	263.3	205.1	182.4	178.1	179.0	182.4	182.4
30°	937.4	827.1	575.2	374.5	254.6	198.0	179.8	177.2	180.6	185.9	185.9
32.5°	1035.7	901.0	596.8	369.3	244.1	192.9	177.2	178.1	183.3	189.5	190.4
35°	1136.4	970.4	614.3	358.9	234.5	188.6	177.2	179.8	185.9	192.9	193.8
37.5°	1248.5	1048.6	629.9	349.4	227.6	186.8	178.1	180.6	187.7	195.6	197.2
40°	1369.2	1133.8	641.2	337.1	222.4	187.7	179.8	182.4	188.6	197.2	199.0
42.5°	1497.8	1220.6	653.3	327.5	218.1	188.6	182.4	183.3	189.5	199.0	200.7
45°	1643.8	1318.1	667.3	318.9	217.2	192.0	184.2	183.3	188.6	200.7	201.6
47.5°	1810.7	1439.7	688.1	312.8	217.2	194.7	185.9	183.3	187.7	200.7	202.5
50°	1993.1	1567.4	713.3	311.1	219.8	198.0	187.7	183.3	186.8	197.2	199.0
52.5°	2186.8	1711.5	747.2	311.9	223.3	200.7	189.5	182.4	184.2	192.0	192.9
55°	2402.2	1865.3	785.4	317.1	228.4	204.2	190.4	180.6	180.6	185.9	185.9
57.5°	2613.3	2025.1	827.1	323.2	235.4	207.7	190.4	179.0	178.1	181.5	181.5
60°	2808.9	2158.9	867.9	331.0	241.6	209.3	189.5	177.2	175.4	178.1	179.0
62.5°	2972.2	2267.6	893.2	339.6	246.8	210.3	187.7	175.4	173.7	176.3	176.3
65°	3043.5	2319.8	898.3	345.8	252.0	209.3	185.1	173.0	172.0	173.7	174.6
67.5°	3031.3	2290.1	873.2	346.7	253.7	208.4	182.4	170.3	170.3	172.0	172.0
69°	2961.8	2226.8	841.1	344.9	253.7	205.9	179.8	168.5	169.4	171.1	171.1
70°	2895.7	2158.9	809.7	340.5	252.9	204.2	177.2	166.8	168.5	170.3	170.3
72.5°	2642.1	1937.5	727.2	326.7	245.9	198.0	172.0	161.5	165.1	168.5	167.7
75°	2274.6	1642.9	629.9	305.0	234.5	189.5	165.1	155.5	160.7	165.1	164.2
77.5°	1830.6	1313.6	528.3	279.7	220.7	178.1	156.3	148.6	154.7	159.9	159.0
80°	1392.7	1008.6	429.2	252.0	202.5	165.9	146.9	139.9	147.7	152.1	151.2
82.5°	1018.3	737.6	337.1	224.1	185.1	152.9	135.6	130.3	138.1	142.6	140.8
85°	706.3	515.2	260.7	193.8	165.9	138.1	123.3	120.0	126.8	130.3	128.5
87.5°	466.6	347.6	201.6	167.7	147.7	124.2	112.1	108.7	115.5	117.3	116.4
90°	296.4	232.8	159.9	144.2	130.3	110.3	99.9	98.2	103.3	104.3	101.7
92.5°	189.5	159.9	129.4	124.2	113.8	98.2	89.6	86.9	91.2	91.2	88.7
95°	131.2	119.0	106.0	106.9	99.1	86.0	78.2	77.3	79.1	77.3	76.4
97.5°	94.7	90.4	87.8	91.2	86.0	74.6	68.6	67.0	67.7	65.1	64.3
100°	72.1	71.2	73.0	76.4	73.0	64.3	59.1	58.2	57.3	53.0	53.0
102.5°	55.7	55.7	59.9	65.1	61.7	54.7	51.3	49.5	46.9	42.6	41.7
105°	42.6	43.5	49.5	53.9	52.1	46.1	43.5	40.9	37.4	33.0	33.0
107.5°	32.2	33.9	40.0	44.2	42.6	38.2	35.7	33.0	29.6	25.2	26.1



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CATALOG NUMBER: LXF.LXT-AF24-100-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.3	26.1	32.2	35.7	34.8	32.2	29.6	26.9	22.5	19.1	20.0
112.5°	18.2	20.0	25.2	28.7	28.7	26.1	23.4	20.8	16.4	14.7	14.7
115°	14.0	15.6	20.0	22.5	22.5	20.0	18.2	15.6	12.1	11.3	11.3
117.5°	10.4	12.1	15.6	18.2	17.3	15.6	14.0	12.1	9.5	8.8	8.8
120°	8.8	9.5	12.1	14.0	13.0	12.1	10.4	8.8	6.9	6.9	6.9
122.5°	6.9	7.8	9.5	10.4	9.5	8.8	7.8	6.1	5.2	5.2	5.2
125°	6.1	6.9	7.8	7.8	6.9	6.1	5.2	4.3	3.5	4.3	4.3
127.5°	6.1	6.1	6.9	6.1	5.2	4.3	3.5	2.6	2.6	3.5	3.5
130°	5.2	6.1	6.1	5.2	4.3	2.6	2.6	1.7	1.7	2.6	2.6
132.5°	5.2	5.2	5.2	4.3	3.5	1.7	0.9	0.9	1.7	1.7	1.7
135°	4.3	5.2	4.3	3.5	2.6	1.7	0.0	0.9	0.9	0.9	0.9
137.5°	4.3	4.3	4.3	3.5	1.7	0.9	0.0	0.0	0.9	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	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)