

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: P255226

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255226  
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-AF24-90-D-U-SL3-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA 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: 7664.5 lumens  
Efficiency: N/A  
Efficacy: 81.5 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: B2 - U3 - G3

Input Watts (W): 94  
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

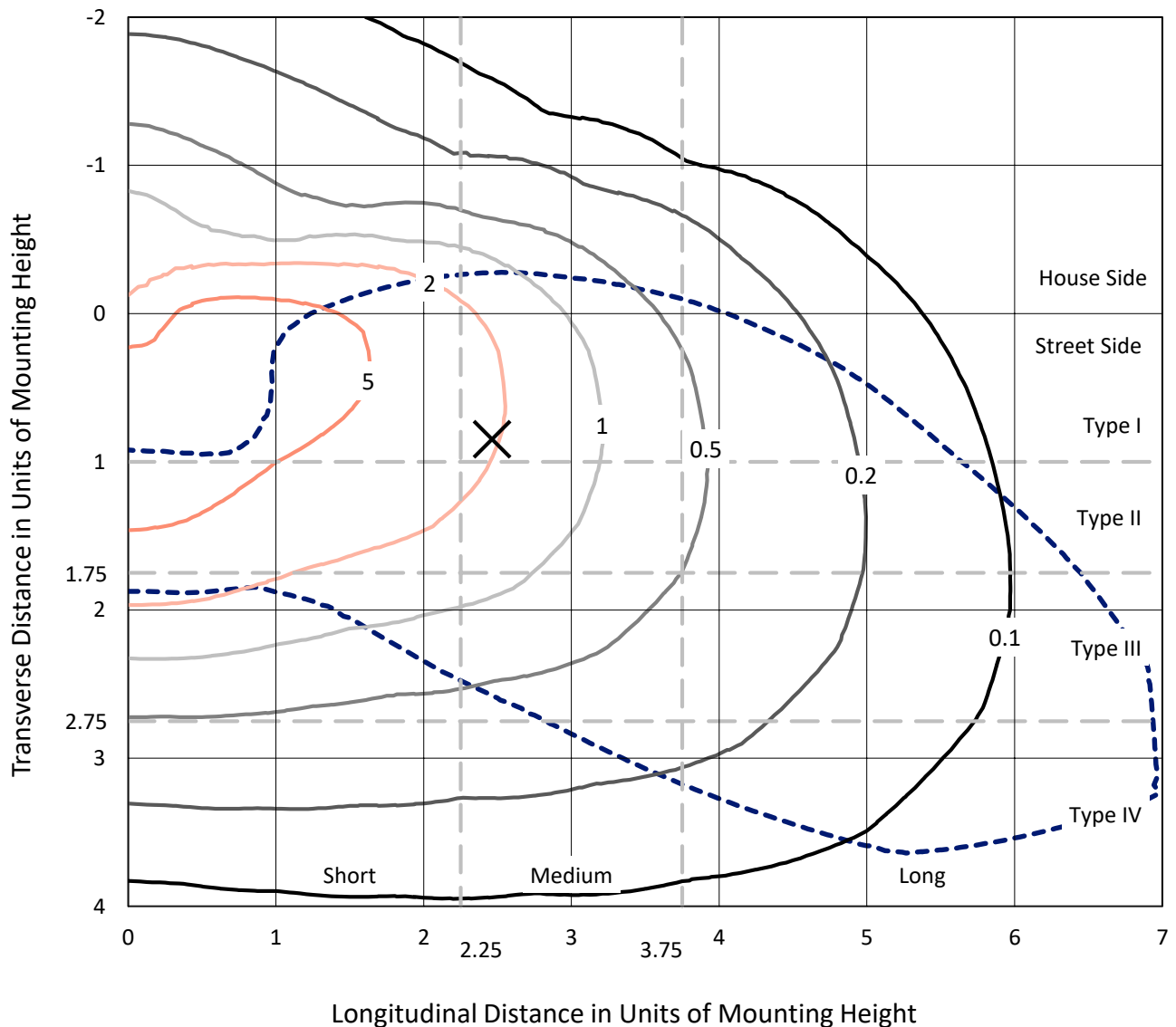


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

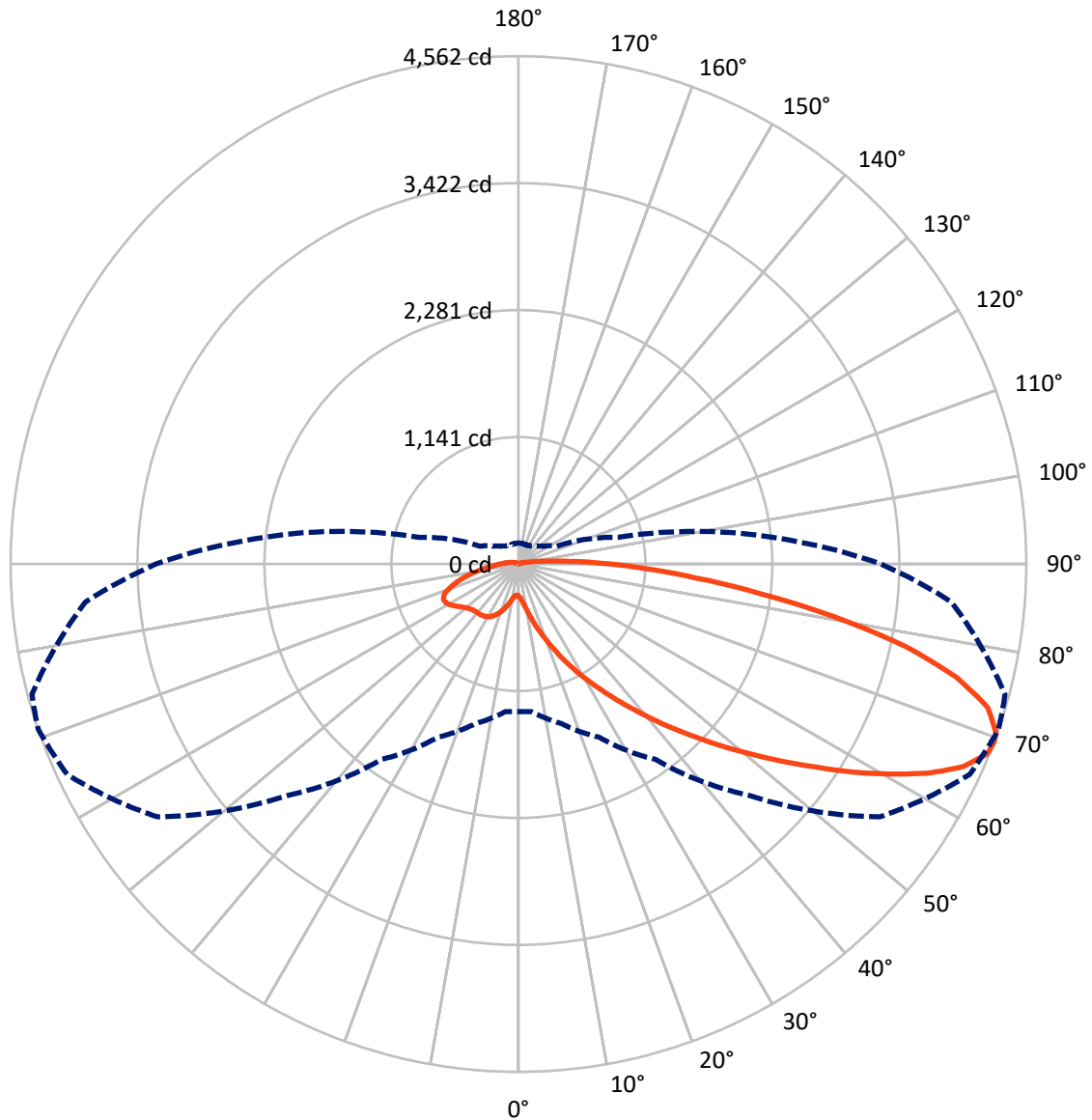


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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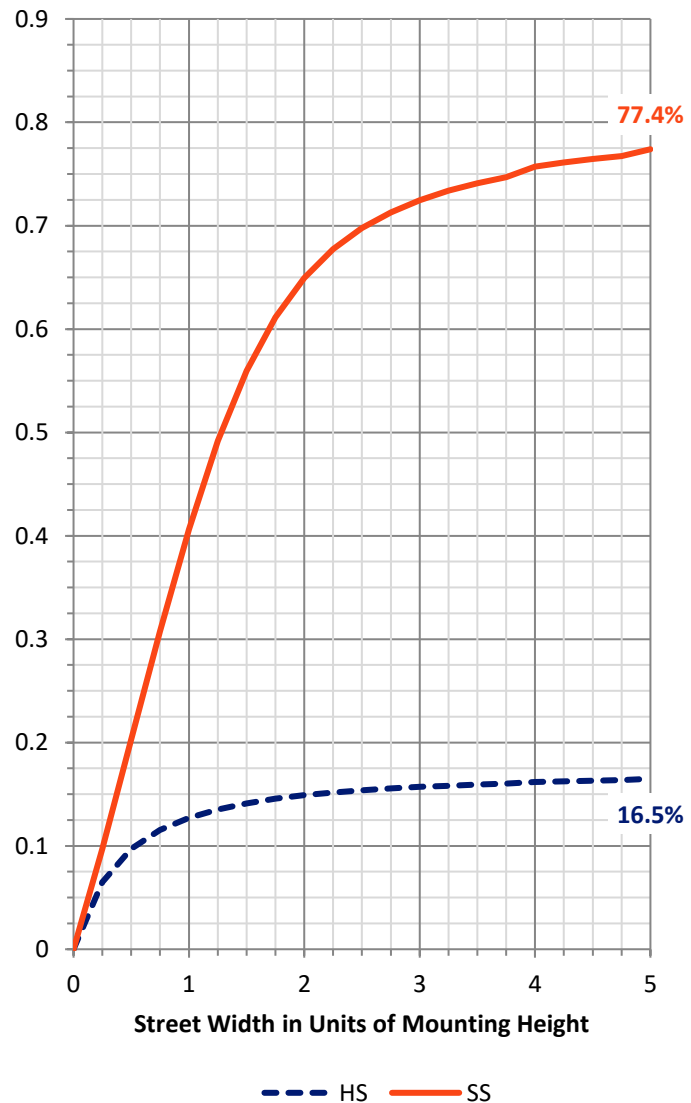
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1316.7	97.9	1414.6
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	6098.5	151.4	6249.9
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	7415.2	249.3	7664.5
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.1	0.4
10°-20°	124.8	1.6
20°-30°	301.5	3.9
30°-40°	586.9	7.7
40°-50°	1004.5	13.1
50°-60°	1499.0	19.6
60°-70°	1802.5	23.5
70°-80°	1442.4	18.8
80°-90°	623.5	8.1
90°-100°	167.5	2.2
100°-110°	51.4	0.7
110°-120°	19.6	0.3
120°-130°	7.1	0.1
130°-140°	2.7	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7415.2	96.7
0°-180°	7664.5	100.0

**Coefficient of Utilization**



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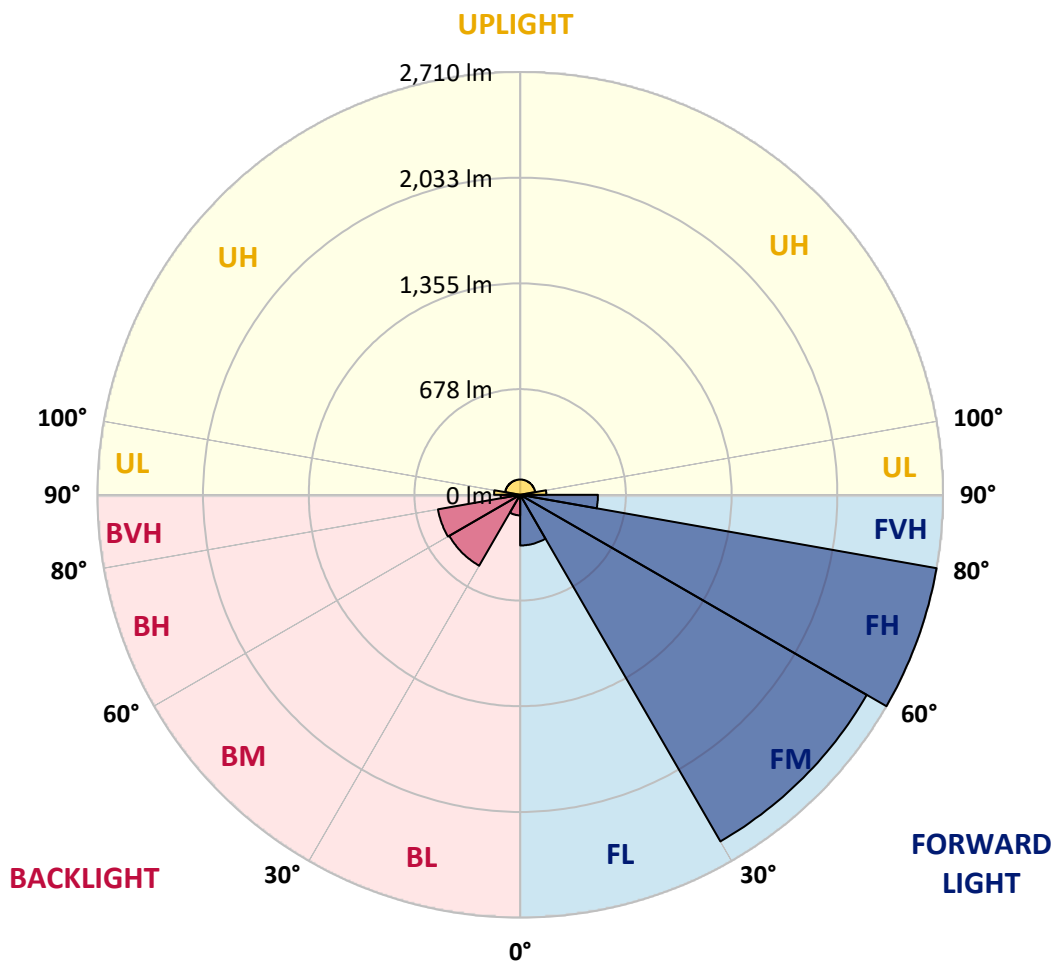
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.6	4.2			
FM (30°-60°)	2565.2	33.5			
FH (60°-80°)	2710.2	35.4			G2/5000
FVH (80°-90°)	498.4	6.5			G3/500
BL (0°-30°)	131.8	1.7	B1/500		
BM (30°-60°)	525.2	6.9	B1/1000		
BH (60°-80°)	534.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	125.1	1.6			G2/225
UL (90°-100°)	167.5	2.2		U3/500	
UH (100°-180°)	97.9	1.3		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5
2.5°	325.7	325.7	324.7	325.7	320.9	319.0	313.2	307.6	303.7	302.7	294.1
5°	363.9	363.9	363.0	363.0	357.2	353.4	345.7	336.2	331.4	327.6	313.2
7.5°	407.7	406.9	405.9	406.9	402.1	393.5	386.8	374.4	369.7	361.9	343.8
10°	461.3	459.3	460.3	457.5	449.8	446.0	439.3	426.0	420.2	414.5	393.5
12.5°	526.2	526.2	524.3	518.6	510.9	509.0	506.2	498.6	490.9	483.3	453.7
15°	598.8	596.9	594.1	586.4	579.7	575.9	579.7	574.9	569.2	559.6	525.3
17.5°	681.9	678.1	673.2	663.8	653.3	655.1	659.0	655.1	647.5	644.6	603.5
20°	773.5	772.7	763.0	746.9	737.3	731.6	742.1	746.9	740.1	737.3	690.5
22.5°	882.5	875.8	863.3	843.3	826.1	816.6	828.0	845.2	843.3	839.4	789.8
25°	1009.4	998.9	986.6	951.2	922.5	906.3	922.5	946.4	956.0	952.2	894.0
27.5°	1151.8	1137.5	1117.4	1076.3	1029.6	997.1	1020.1	1051.5	1075.3	1077.3	1006.6
30°	1306.5	1294.0	1267.3	1207.2	1141.3	1101.3	1119.4	1167.1	1200.5	1202.4	1125.1
32.5°	1483.2	1469.9	1416.3	1352.3	1267.3	1211.9	1230.1	1292.2	1332.3	1345.6	1254.0
35°	1673.2	1658.9	1614.0	1513.8	1403.9	1332.3	1352.3	1429.6	1478.4	1498.5	1391.5
37.5°	1875.8	1851.8	1800.3	1688.5	1564.4	1472.7	1482.2	1573.0	1639.8	1665.5	1545.3
40°	2073.4	2063.9	1994.1	1863.3	1713.4	1614.0	1622.6	1728.6	1812.7	1842.3	1709.6
42.5°	2275.9	2253.9	2188.0	2036.1	1870.9	1763.0	1783.9	1903.4	2006.5	2039.0	1881.5
45°	2468.8	2449.7	2365.7	2204.2	2032.3	1924.4	1954.0	2102.0	2209.0	2252.1	2077.2
47.5°	2643.5	2618.7	2533.7	2359.0	2190.8	2094.4	2132.6	2308.3	2433.4	2483.1	2296.8
50°	2769.6	2749.6	2662.6	2491.7	2336.1	2273.0	2343.7	2532.7	2674.1	2741.0	2535.7
52.5°	2825.0	2815.5	2732.3	2578.6	2462.1	2450.6	2580.4	2774.4	2934.8	3007.5	2790.7
55°	2805.0	2790.7	2743.8	2620.7	2558.6	2623.6	2828.8	3050.4	3214.7	3293.0	3064.7
57.5°	2691.3	2681.8	2678.0	2600.6	2614.9	2788.8	3074.3	3359.8	3521.2	3584.2	3338.9
60°	2498.4	2492.6	2531.9	2528.0	2629.3	2923.4	3333.1	3687.4	3830.7	3903.3	3607.2
62.5°	2211.0	2224.3	2314.1	2391.4	2582.5	3013.2	3569.9	3986.4	4136.3	4188.9	3815.5
65°	1874.8	1898.6	2019.0	2176.6	2474.5	3050.4	3783.8	4246.2	4389.4	4408.5	3948.2
67.5°	1501.3	1539.6	1682.8	1901.5	2289.2	3016.0	3918.6	4420.9	4545.0	4521.1	3959.7
69°	1325.7	1330.3	1482.2	1717.2	2142.1	2942.5	3959.7	4472.5	4562.2	4525.0	3903.3
70°	1196.7	1204.4	1354.3	1596.9	2033.4	2870.9	3958.7	4484.9	4552.8	4494.5	3848.8
72.5°	886.3	914.9	1063.9	1314.2	1753.5	2623.6	3830.7	4416.2	4409.4	4304.4	3557.6
75°	643.7	667.6	810.8	1058.1	1476.5	2297.8	3516.5	4131.5	4065.6	3930.9	3112.5
77.5°	459.3	466.1	593.1	831.9	1218.7	1923.5	3036.1	3623.5	3554.6	3353.1	2549.0
80°	310.4	316.1	420.2	629.4	980.8	1580.7	2499.3	2970.2	2878.6	2659.8	1934.9
82.5°	200.6	211.1	293.3	462.2	767.9	1274.9	1974.1	2300.7	2195.7	1999.9	1423.0
85°	140.4	143.2	203.4	334.3	576.9	986.6	1499.5	1712.4	1603.5	1442.1	993.2
87.5°	93.6	96.4	143.2	242.5	420.2	721.9	1089.8	1214.9	1121.2	991.3	661.9
90°	59.2	64.0	99.3	172.8	302.7	504.2	753.6	813.7	746.9	640.8	410.7
92.5°	42.1	43.9	69.7	124.1	214.9	345.7	491.8	515.7	458.5	388.8	248.3
95°	28.6	30.6	50.6	88.8	154.7	233.0	313.2	314.2	268.3	229.2	157.6
97.5°	21.0	23.0	38.2	65.9	110.8	159.5	199.6	189.1	161.3	140.4	109.8
100°	17.2	18.1	30.6	50.6	80.2	112.6	130.9	118.4	104.2	93.6	80.2
102.5°	14.3	15.3	25.7	41.1	60.2	80.2	88.8	79.3	70.7	64.9	60.2
105°	12.4	13.3	22.0	34.4	48.7	59.2	63.1	56.4	51.6	47.7	44.9
107.5°	11.5	12.4	19.1	29.6	40.1	47.7	49.7	42.9	38.2	34.4	32.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	10.5	11.5	17.2	25.7	34.4	40.1	39.2	33.5	27.7	23.9	23.9
112.5°	9.5	10.5	15.3	23.0	29.6	33.5	32.4	24.8	20.1	17.2	17.2
115°	8.6	9.5	13.3	20.1	25.7	27.7	25.7	19.1	14.3	11.5	13.3
117.5°	7.6	8.6	11.5	17.2	22.0	23.0	20.1	14.3	10.5	8.6	9.5
120°	7.6	7.6	10.5	14.3	18.1	19.1	16.3	10.5	7.6	6.7	7.6
122.5°	6.7	7.6	9.5	12.4	15.3	15.3	12.4	7.6	5.7	5.7	6.7
125°	6.7	6.7	7.6	10.5	12.4	12.4	9.5	5.7	4.8	5.7	6.7
127.5°	5.7	6.7	7.6	9.5	10.5	10.5	7.6	4.8	4.8	4.8	5.7
130°	5.7	5.7	6.7	7.6	8.6	7.6	5.7	3.9	3.9	4.8	5.7
132.5°	5.7	5.7	5.7	6.7	7.6	5.7	3.9	3.9	3.9	3.9	5.7
135°	4.8	4.8	4.8	5.7	5.7	3.9	2.8	2.8	3.9	3.9	4.8
137.5°	3.9	3.9	3.9	3.9	3.9	2.8	1.8	2.8	2.8	3.9	4.8
140°	2.8	2.8	2.8	2.8	2.8	1.0	1.8	1.8	2.8	2.8	3.9
142.5°	1.8	1.8	1.8	2.8	1.8	1.0	1.0	1.8	2.8	2.8	3.9
145°	1.0	1.0	1.8	1.8	1.0	0.0	1.0	1.8	1.8	2.8	2.8
147.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8
150°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.8	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5
2.5°	291.2	288.5	281.8	275.0	268.3	263.7	259.8	258.8	256.0	253.1	254.0
5°	306.6	299.9	288.5	274.1	260.7	249.2	240.7	233.0	228.3	222.6	223.4
7.5°	334.3	323.7	303.7	279.8	257.9	239.8	222.6	212.9	205.3	201.5	200.6
10°	376.3	361.9	328.6	294.1	260.7	234.1	212.9	200.6	193.0	188.2	188.2
12.5°	435.5	414.5	366.8	317.1	271.2	234.9	210.1	197.6	190.0	187.2	187.2
15°	500.4	472.8	408.7	341.0	281.8	237.8	211.1	197.6	190.9	188.2	187.2
17.5°	573.1	535.8	449.8	361.0	290.3	243.5	212.1	197.6	190.9	189.1	188.2
20°	651.3	604.5	491.8	380.1	296.9	244.5	211.1	196.7	192.0	190.9	190.9
22.5°	739.2	678.1	532.0	396.4	300.8	241.7	208.2	195.8	193.0	193.8	193.8
25°	830.9	754.4	570.2	405.9	296.9	234.9	205.3	195.8	194.8	197.6	197.6
27.5°	928.2	830.9	603.5	412.6	289.4	225.4	200.6	195.8	196.7	200.6	200.6
30°	1030.6	909.2	632.3	411.6	279.8	217.8	197.6	194.8	198.7	204.5	204.5
32.5°	1138.4	990.4	656.1	405.9	268.3	212.1	194.8	195.8	201.5	208.2	209.1
35°	1249.2	1066.8	675.2	394.4	257.9	207.3	194.8	197.6	204.5	212.1	212.9
37.5°	1372.4	1152.8	692.3	383.9	250.2	205.3	195.8	198.7	206.3	214.9	216.8
40°	1505.1	1246.3	704.8	370.6	244.5	206.3	197.6	200.6	207.3	216.8	218.7
42.5°	1646.5	1341.8	718.2	360.0	239.8	207.3	200.6	201.5	208.2	218.7	220.6
45°	1806.9	1448.8	733.4	350.5	238.7	211.1	202.4	201.5	207.3	220.6	221.6
47.5°	1990.2	1582.5	756.4	343.8	238.7	213.9	204.5	201.5	206.3	220.6	222.6
50°	2190.8	1722.9	784.1	341.9	241.7	217.8	206.3	201.5	205.3	216.8	218.7
52.5°	2403.8	1881.5	821.3	342.8	245.4	220.6	208.2	200.6	202.4	211.1	212.1
55°	2640.7	2050.5	863.3	348.6	251.2	224.4	209.1	198.7	198.7	204.5	204.5
57.5°	2872.8	2226.2	909.2	355.3	258.8	228.3	209.1	196.7	195.8	199.6	199.6
60°	3087.6	2373.3	954.1	363.9	265.5	230.2	208.2	194.8	193.0	195.8	196.7
62.5°	3267.2	2492.6	981.8	373.4	271.2	231.1	206.3	193.0	190.9	193.8	193.8
65°	3345.5	2550.0	987.4	380.1	277.0	230.2	203.4	190.0	189.1	190.9	192.0
67.5°	3332.2	2517.6	959.9	381.1	278.8	229.2	200.6	187.2	187.2	189.1	189.1
69°	3255.7	2447.7	924.5	379.1	278.8	226.3	197.6	185.3	186.3	188.2	188.2
70°	3183.2	2373.3	890.1	374.4	277.9	224.4	194.8	183.3	185.3	187.2	187.2
72.5°	2904.3	2129.8	799.3	359.1	270.3	217.8	189.1	177.6	181.5	185.3	184.3
75°	2500.3	1805.9	692.3	335.2	257.9	208.2	181.5	171.0	176.7	181.5	180.5
77.5°	2012.3	1444.1	580.7	307.6	242.5	195.8	171.9	163.4	170.0	175.7	174.9
80°	1530.9	1108.8	471.8	277.0	222.6	182.5	161.3	153.7	162.4	167.1	166.2
82.5°	1119.4	810.8	370.6	246.4	203.4	168.0	149.0	143.2	151.9	156.7	154.7
85°	776.5	566.3	286.5	212.9	182.5	151.9	135.6	131.7	139.5	143.2	141.4
87.5°	512.9	382.0	221.6	184.3	162.4	136.6	123.3	119.4	127.1	128.9	128.0
90°	325.7	256.0	175.7	158.5	143.2	121.3	109.8	107.9	113.6	114.6	111.8
92.5°	208.2	175.7	142.2	136.6	125.1	107.9	98.4	95.5	100.3	100.3	97.5
95°	144.2	130.9	116.5	117.5	108.8	94.5	86.0	85.0	86.9	85.0	84.0
97.5°	104.2	99.3	96.4	100.3	94.5	82.2	75.5	73.5	74.6	71.7	70.7
100°	79.3	78.3	80.2	84.0	80.2	70.7	64.9	64.0	63.1	58.2	58.2
102.5°	61.0	61.0	65.9	71.7	67.8	60.2	56.4	54.4	51.6	46.8	45.9
105°	46.8	47.7	54.4	59.2	57.3	50.6	47.7	44.9	41.1	36.3	36.3
107.5°	35.3	37.2	43.9	48.7	46.8	42.1	39.2	36.3	32.4	27.7	28.6



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.8	28.6	35.3	39.2	38.2	35.3	32.4	29.6	24.8	21.0	22.0
112.5°	20.1	22.0	27.7	31.4	31.4	28.6	25.7	23.0	18.1	16.3	16.3
115°	15.3	17.2	22.0	24.8	24.8	22.0	20.1	17.2	13.3	12.4	12.4
117.5°	11.5	13.3	17.2	20.1	19.1	17.2	15.3	13.3	10.5	9.5	9.5
120°	9.5	10.5	13.3	15.3	14.3	13.3	11.5	9.5	7.6	7.6	7.6
122.5°	7.6	8.6	10.5	11.5	10.5	9.5	8.6	6.7	5.7	5.7	5.7
125°	6.7	7.6	8.6	8.6	7.6	6.7	5.7	4.8	3.9	4.8	4.8
127.5°	6.7	6.7	7.6	6.7	5.7	4.8	3.9	2.8	2.8	3.9	3.9
130°	5.7	6.7	6.7	5.7	4.8	2.8	2.8	1.8	1.8	2.8	2.8
132.5°	5.7	5.7	5.7	4.8	3.9	1.8	1.0	1.0	1.8	1.8	1.8
135°	4.8	5.7	4.8	3.9	2.8	1.8	0.0	1.0	1.0	1.0	1.0
137.5°	4.8	4.8	4.8	3.9	1.8	1.0	0.0	0.0	1.0	0.0	0.0
140°	3.9	3.9	3.9	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.9	3.9	3.9	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)