

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: P255274

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T2U-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3148.8 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

Input Watts (W): 31  
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

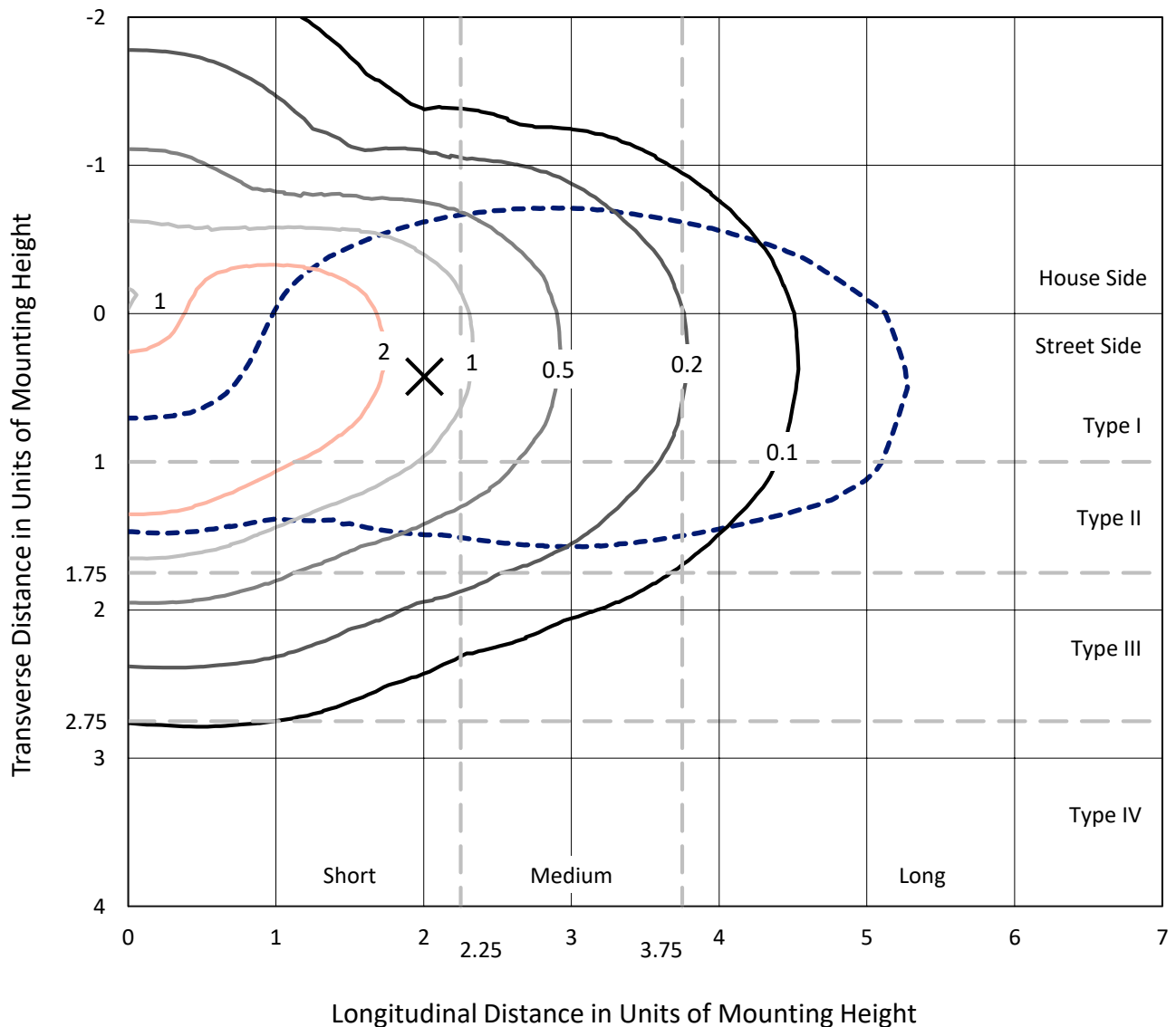


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

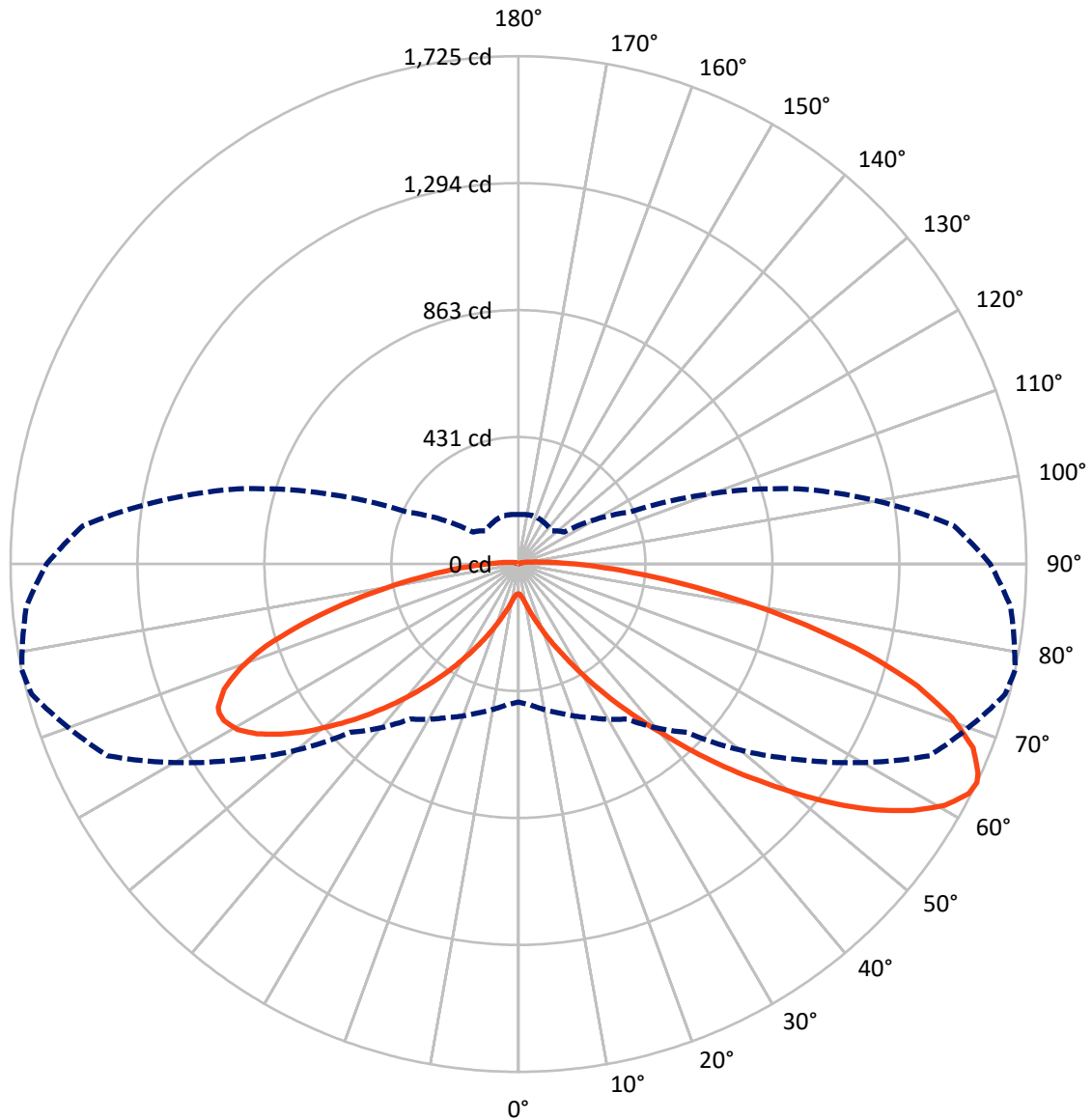


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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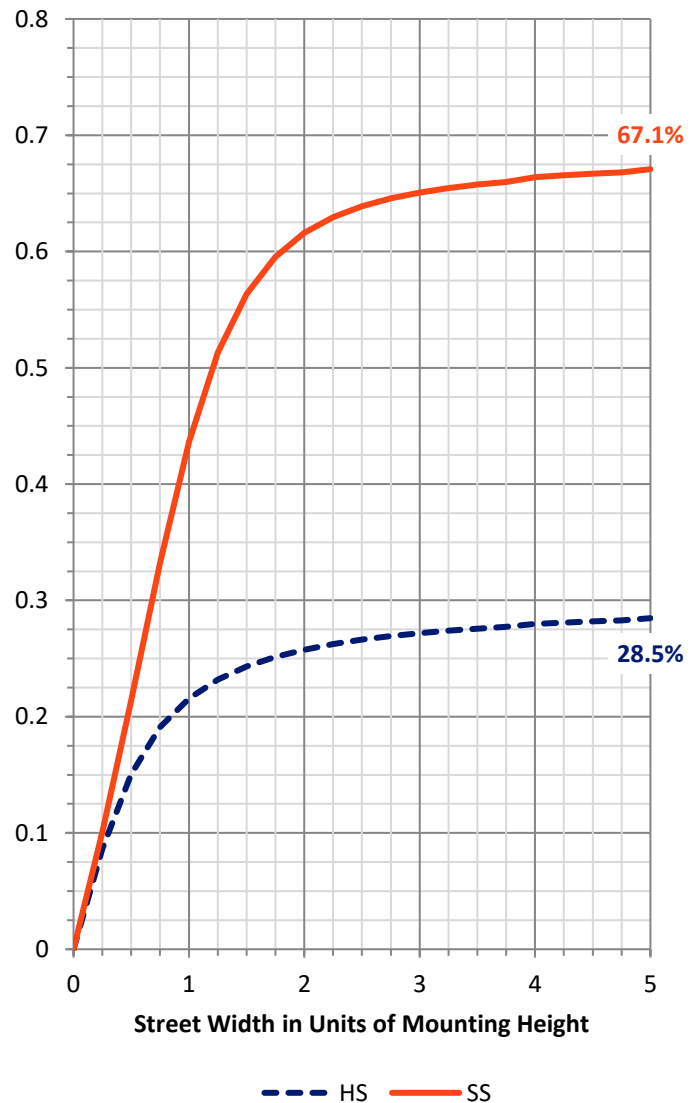
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	924.6	42.6	967.1
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	2141.4	40.4	2181.7
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	3065.9	82.9	3148.8
	% Fixture	97.4	2.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.1	0.4
10°-20°	51.0	1.6
20°-30°	142.3	4.5
30°-40°	309.2	9.8
40°-50°	534.0	17.0
50°-60°	707.0	22.5
60°-70°	689.7	21.9
70°-80°	448.3	14.2
80°-90°	173.5	5.5
90°-100°	50.1	1.6
100°-110°	19.0	0.6
110°-120°	8.3	0.3
120°-130°	3.6	0.1
130°-140°	1.5	0.0
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3065.9	97.4
0°-180°	3148.8	100.0

**Coefficient of Utilization**



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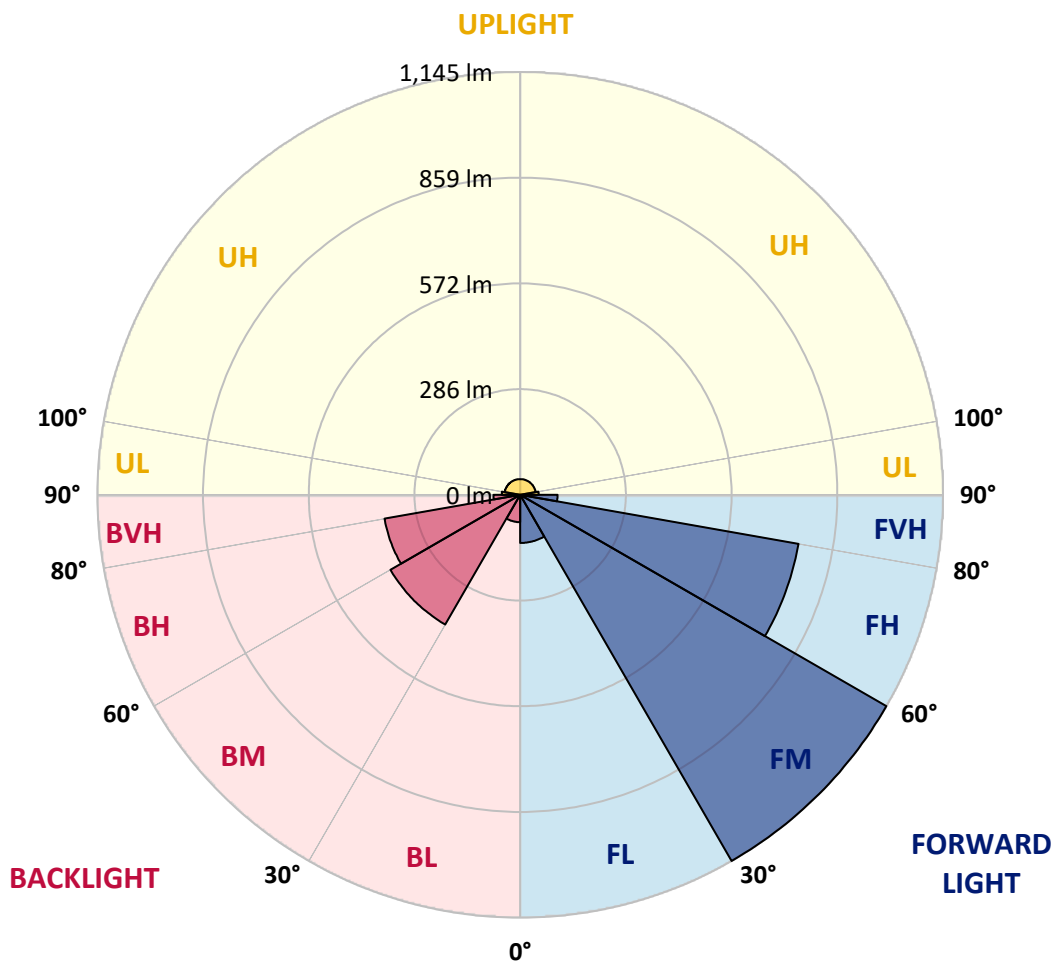
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-TL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.3	4.1			
FM (30°-60°)	1144.7	36.4			
FH (60°-80°)	765.1	24.3			G1/1800
FVH (80°-90°)	101.2	3.2			G2/225
BL (0°-30°)	74.0	2.4	B0/110		
BM (30°-60°)	405.4	12.9	B1/1000		
BH (60°-80°)	372.8	11.8	B1/500		G1/500
BVH (80°-90°)	72.3	2.3			G1/100
UL (90°-100°)	50.1	1.6		U3/500	
UH (100°-180°)	42.6	1.4		U2/50	

**BUG Rating: B1-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	109.7	109.4	109.4	109.7	108.6	108.1	107.1	105.7	104.5	104.2	103.0
5°	121.8	121.0	120.1	120.6	119.4	117.6	115.7	113.4	111.6	110.8	108.9
7.5°	135.9	136.7	135.2	134.4	133.0	131.1	127.8	125.1	122.5	121.3	119.4
10°	158.4	158.8	156.1	156.6	152.0	149.8	146.4	141.9	139.0	137.0	134.4
12.5°	189.1	188.7	185.7	184.6	178.9	175.0	169.7	164.4	161.3	159.2	154.6
15°	226.6	225.8	224.0	219.4	210.9	205.6	199.2	191.3	187.3	184.2	179.4
17.5°	270.8	271.1	267.3	261.3	249.7	242.2	232.9	222.5	216.5	212.3	207.0
20°	325.8	326.1	319.5	310.9	295.9	285.3	269.7	259.9	250.5	248.2	240.1
22.5°	391.3	390.9	380.9	369.7	349.4	333.7	316.5	300.7	289.9	286.8	277.8
25°	465.9	465.1	452.8	440.8	410.4	389.8	367.3	347.9	337.1	331.0	320.9
27.5°	553.5	552.0	535.5	518.2	479.6	449.4	422.1	403.7	390.2	382.3	371.1
30°	647.8	646.4	626.5	598.4	556.7	522.0	486.1	464.7	449.4	443.4	428.0
32.5°	749.7	746.7	723.6	689.4	640.4	596.1	559.9	535.5	516.8	510.8	490.9
35°	853.0	849.0	824.3	784.5	728.0	679.7	642.6	617.1	594.0	586.0	562.0
37.5°	952.3	946.6	927.2	877.1	819.7	774.7	733.2	701.3	675.9	668.7	637.3
40°	1030.9	1027.6	1009.5	961.3	906.7	861.3	829.5	803.9	771.8	760.9	727.2
42.5°	1090.9	1087.4	1073.6	1033.5	984.9	953.8	927.2	908.8	881.1	869.4	821.9
45°	1121.9	1117.0	1111.0	1082.2	1048.9	1033.5	1030.2	1023.4	996.5	983.0	927.5
47.5°	1114.8	1112.6	1118.2	1100.6	1087.4	1100.9	1129.7	1143.3	1112.1	1099.8	1041.4
50°	1069.8	1072.8	1087.1	1085.6	1098.3	1144.0	1216.6	1261.2	1241.7	1225.3	1161.7
52.5°	994.6	998.7	1024.2	1038.1	1074.7	1161.2	1284.1	1372.4	1374.3	1355.3	1283.2
55°	895.7	904.6	935.8	962.8	1021.9	1141.4	1323.7	1466.0	1494.1	1474.7	1398.3
57.5°	778.5	791.6	825.7	870.2	939.2	1087.1	1331.7	1536.0	1595.6	1579.5	1506.4
60°	656.4	665.8	708.1	758.3	827.2	1004.0	1299.0	1572.8	1675.4	1665.2	1605.7
62.5°	536.6	547.1	590.5	645.6	713.0	886.0	1221.5	1570.2	1712.4	1717.3	1664.4
64°	468.8	480.4	523.2	575.1	642.6	809.2	1157.0	1540.9	1711.6	1725.2	1678.8
65°	426.5	438.1	480.0	531.8	597.6	756.1	1108.8	1512.8	1704.6	1715.8	1679.1
67.5°	333.2	342.6	382.3	435.5	488.3	623.1	955.7	1402.1	1646.9	1665.6	1644.3
70°	256.1	265.2	301.4	350.5	394.7	506.6	789.4	1239.9	1535.6	1561.9	1551.8
72.5°	197.0	204.5	236.6	279.3	315.3	400.7	630.7	1048.2	1374.7	1417.3	1419.3
75°	152.0	158.0	184.6	221.7	250.1	311.6	491.3	841.9	1169.5	1226.0	1239.1
77.5°	118.6	122.5	143.7	174.2	197.3	238.1	369.7	647.8	943.7	999.8	1023.0
80°	93.2	96.2	112.7	136.7	155.0	178.9	270.8	479.3	723.6	774.4	796.5
82.5°	72.2	74.9	88.0	107.5	121.8	137.4	193.6	341.6	526.5	568.4	586.4
85°	55.0	57.0	68.2	82.7	94.4	105.7	135.2	233.3	366.6	398.5	410.9
87.5°	40.9	42.3	51.7	63.7	72.2	80.9	98.5	154.3	246.4	269.3	278.3
90°	29.6	30.7	38.2	48.3	55.8	62.2	71.6	102.2	158.4	173.7	180.5
92.5°	21.0	22.1	28.1	36.3	43.4	48.7	55.0	71.1	101.5	109.7	114.9
95°	15.4	16.1	20.6	27.4	33.7	38.6	43.8	51.7	66.9	71.6	73.4
97.5°	11.6	12.0	15.8	21.0	26.6	30.7	34.4	39.4	47.2	49.3	50.6
100°	9.0	9.4	12.3	16.8	21.3	25.1	27.8	30.7	34.9	36.3	37.0
102.5°	7.5	7.8	10.2	13.8	17.6	20.6	22.8	24.7	26.6	27.4	28.4
105°	6.8	6.8	9.0	12.0	15.0	17.6	19.4	20.2	20.6	21.0	21.3
107.5°	5.6	6.0	7.8	10.5	13.1	15.4	16.5	16.5	15.8	15.8	16.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	5.3	5.3	6.8	9.0	11.6	13.1	13.8	13.1	11.6	11.6	12.0
112.5°	4.5	4.9	6.0	7.8	10.2	11.6	11.6	10.5	8.6	8.6	9.0
115°	4.2	4.2	5.3	7.1	8.6	9.8	9.8	8.6	6.3	6.3	6.8
117.5°	3.8	3.8	4.5	6.0	7.5	8.6	8.2	6.8	4.9	4.9	5.6
120°	3.8	3.8	4.2	5.3	6.3	7.1	6.8	5.3	3.8	3.8	4.5
122.5°	3.4	3.4	3.8	4.5	5.6	6.0	5.6	4.2	2.9	3.4	3.8
125°	3.4	3.4	3.4	4.2	4.9	5.3	4.9	3.4	2.6	2.6	2.9
127.5°	2.9	2.9	2.9	3.4	4.2	4.5	3.8	2.6	2.3	2.3	2.6
130°	2.9	2.9	2.6	2.9	3.8	3.8	2.9	1.8	1.5	1.8	2.3
132.5°	2.6	2.6	2.6	2.6	2.9	2.9	2.6	1.5	1.5	1.5	1.8
135°	2.6	2.6	2.3	2.3	2.6	2.6	1.8	1.1	1.1	1.1	1.5
137.5°	2.3	2.3	2.3	1.8	1.8	1.8	1.5	0.8	0.8	1.1	1.1
140°	1.8	1.8	1.8	1.5	1.5	1.1	0.8	0.3	0.8	0.8	1.1
142.5°	1.5	1.5	1.5	1.1	1.1	0.8	0.3	0.3	0.3	0.8	0.8
145°	1.1	1.1	1.1	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.8
147.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
2.5°	102.6	102.2	101.1	100.4	99.7	98.9	98.9	98.2	97.8	97.4	97.4
5°	108.6	107.1	105.2	103.7	101.8	100.0	98.5	97.4	96.5	96.2	95.8
7.5°	117.6	115.7	112.3	109.7	106.3	103.7	101.5	99.2	98.5	97.8	97.8
10°	132.5	129.2	124.3	119.4	114.9	110.5	107.8	104.9	104.2	103.4	103.4
12.5°	152.4	149.0	141.2	134.4	127.3	121.3	117.2	114.6	113.8	112.7	113.1
15°	176.0	170.0	161.3	151.7	142.7	134.4	129.6	125.4	123.6	122.5	122.8
17.5°	202.5	195.8	183.4	170.8	159.2	150.1	141.9	135.9	133.0	131.7	131.7
20°	233.3	225.8	210.1	192.9	177.9	165.1	154.6	145.7	141.9	140.4	140.4
22.5°	269.7	260.2	238.5	216.5	197.8	178.9	165.1	154.3	149.8	148.3	148.3
25°	311.6	299.2	271.5	244.2	216.2	190.9	173.4	161.8	156.6	154.6	154.6
27.5°	355.4	343.7	307.8	273.0	234.5	200.7	179.7	167.0	161.0	159.8	159.5
30°	410.9	394.3	347.9	300.4	250.1	207.5	182.4	170.0	164.0	162.9	162.9
32.5°	468.8	449.4	393.3	328.8	262.1	210.5	182.8	171.1	165.8	164.8	164.4
35°	537.0	511.9	440.5	358.1	273.0	211.5	182.4	171.9	167.7	166.3	165.8
37.5°	611.1	579.3	490.1	384.9	278.6	209.7	181.3	171.5	168.5	166.6	166.3
40°	691.3	654.6	547.1	406.7	279.3	206.0	178.9	171.9	169.0	166.6	165.8
42.5°	780.7	736.6	602.1	426.5	277.1	201.5	177.5	171.9	169.3	166.6	165.8
45°	880.4	826.4	659.8	441.9	271.1	196.2	176.0	171.9	169.7	166.3	165.8
47.5°	986.7	922.7	718.9	453.9	263.7	190.9	175.3	172.6	170.8	166.6	166.3
50°	1097.9	1024.2	776.3	461.7	254.7	186.1	174.5	172.6	171.5	167.0	166.6
52.5°	1217.8	1131.6	838.4	465.9	244.2	181.3	173.7	173.4	172.3	168.2	167.3
55°	1329.3	1234.9	893.8	465.9	233.3	176.8	172.9	173.7	173.4	169.3	168.5
57.5°	1433.5	1330.1	942.6	460.2	221.7	172.3	171.5	173.4	173.7	170.0	169.3
60°	1523.3	1413.3	977.0	451.2	209.7	167.7	169.7	172.6	173.7	170.3	169.7
62.5°	1584.0	1470.9	988.6	432.1	197.0	162.9	166.3	170.3	172.6	169.7	169.0
64°	1602.8	1485.5	985.9	417.9	189.1	159.8	164.0	169.0	171.1	169.0	168.2
65°	1608.0	1487.8	976.6	405.9	184.2	157.7	162.1	167.3	170.0	167.7	167.0
67.5°	1576.5	1448.8	930.6	370.4	172.6	151.7	156.9	162.1	165.5	164.4	163.7
70°	1496.5	1366.4	854.5	331.4	160.6	144.5	149.8	155.3	159.5	158.8	158.4
72.5°	1364.2	1236.5	758.7	285.7	148.7	136.7	140.4	146.9	150.9	150.6	149.8
75°	1189.3	1065.4	626.8	244.2	135.6	126.5	130.3	135.9	140.1	139.3	139.3
77.5°	984.9	866.1	503.2	201.8	123.6	115.7	119.1	123.6	127.3	126.2	125.8
80°	767.3	666.6	384.6	164.4	110.8	104.2	106.3	109.7	113.1	111.6	111.2
82.5°	564.0	487.6	283.4	131.7	98.2	91.0	92.9	95.8	97.8	96.2	95.8
85°	395.4	340.8	205.2	104.9	84.2	78.2	78.6	80.1	81.6	79.4	79.0
87.5°	266.6	228.5	142.2	83.1	71.1	65.9	65.5	66.3	67.4	65.1	64.0
90°	175.0	149.0	97.4	67.4	59.5	55.0	54.3	54.3	54.6	52.0	51.4
92.5°	110.8	96.5	70.8	55.0	49.8	45.7	44.6	44.1	43.8	41.2	40.9
95°	72.2	66.3	54.3	45.7	41.2	37.8	36.7	35.9	35.2	33.4	32.6
97.5°	51.0	48.0	43.0	37.8	34.4	31.4	30.4	29.2	28.4	26.2	25.7
100°	38.2	37.0	34.9	31.4	28.9	26.2	25.1	23.9	23.2	21.0	20.6
102.5°	29.6	29.6	28.4	26.2	23.9	21.8	21.0	19.8	18.7	17.3	16.8
105°	22.8	22.8	23.2	22.1	20.2	18.7	17.6	16.8	15.8	13.8	13.8
107.5°	17.3	18.0	18.7	18.3	17.3	15.8	15.0	14.2	12.8	11.6	11.6



REPORT NUMBER: P255274

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.1	13.4	15.0	15.4	14.6	13.4	12.8	11.6	10.5	9.4	9.4
112.5°	9.8	10.5	12.0	12.8	12.3	11.6	10.8	9.8	8.2	7.8	7.8
115°	7.5	8.2	9.8	10.5	10.5	9.8	9.0	7.8	6.8	6.3	6.8
117.5°	6.0	6.8	7.8	8.6	8.6	7.8	7.5	6.3	5.6	5.6	5.6
120°	4.9	5.6	6.3	7.1	7.1	6.8	6.0	5.3	4.5	4.9	4.9
122.5°	4.2	4.5	5.3	5.6	6.0	5.6	4.9	4.2	3.8	4.2	4.2
125°	3.4	3.8	4.5	4.5	4.9	4.5	4.2	3.4	2.9	3.4	3.4
127.5°	2.9	3.4	3.8	3.8	4.2	3.8	3.4	2.6	2.6	2.9	2.9
130°	2.3	2.6	2.9	2.9	3.4	2.9	2.6	2.3	2.3	2.6	2.6
132.5°	1.8	2.3	2.3	2.6	2.6	2.6	2.3	1.5	1.8	1.8	1.8
135°	1.8	1.8	2.3	1.8	1.8	1.8	1.5	1.1	1.5	1.5	1.5
137.5°	1.5	1.5	1.8	1.8	1.5	1.5	1.1	0.8	1.1	1.5	1.5
140°	1.1	1.5	1.5	1.5	1.5	1.1	0.8	0.3	0.8	0.8	0.8
142.5°	1.1	1.1	1.5	1.5	1.1	0.8	0.3	0.0	0.3	0.3	0.3
145°	0.8	1.1	1.1	1.1	0.8	0.8	0.3	0.0	0.0	0.3	0.0
147.5°	0.8	0.8	1.1	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
150°	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.3	0.3	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)