

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: P254464

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)  
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-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3117.2 lumens  
Efficiency: N/A  
Efficacy: 100.6 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 - G1

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

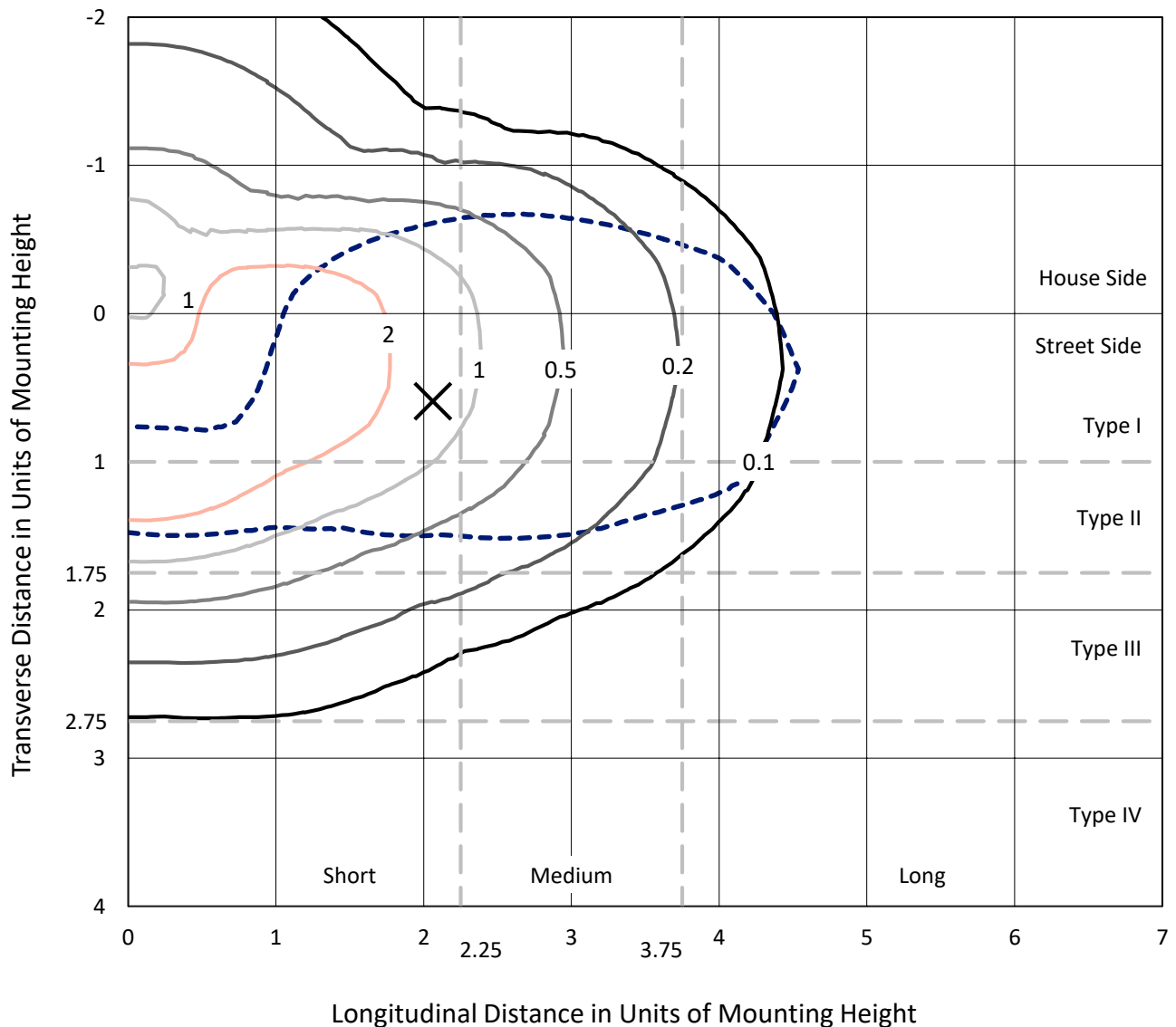


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

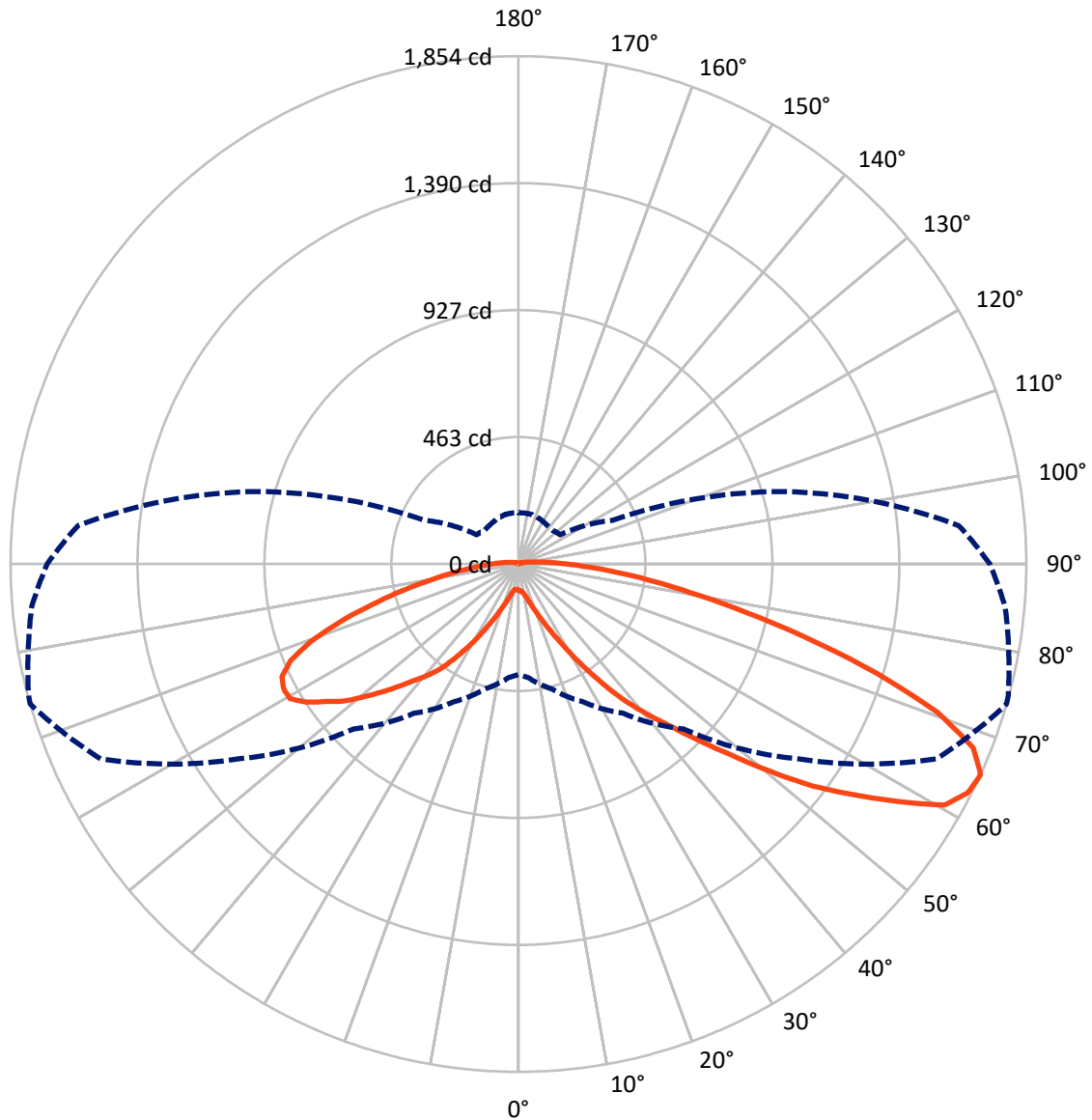


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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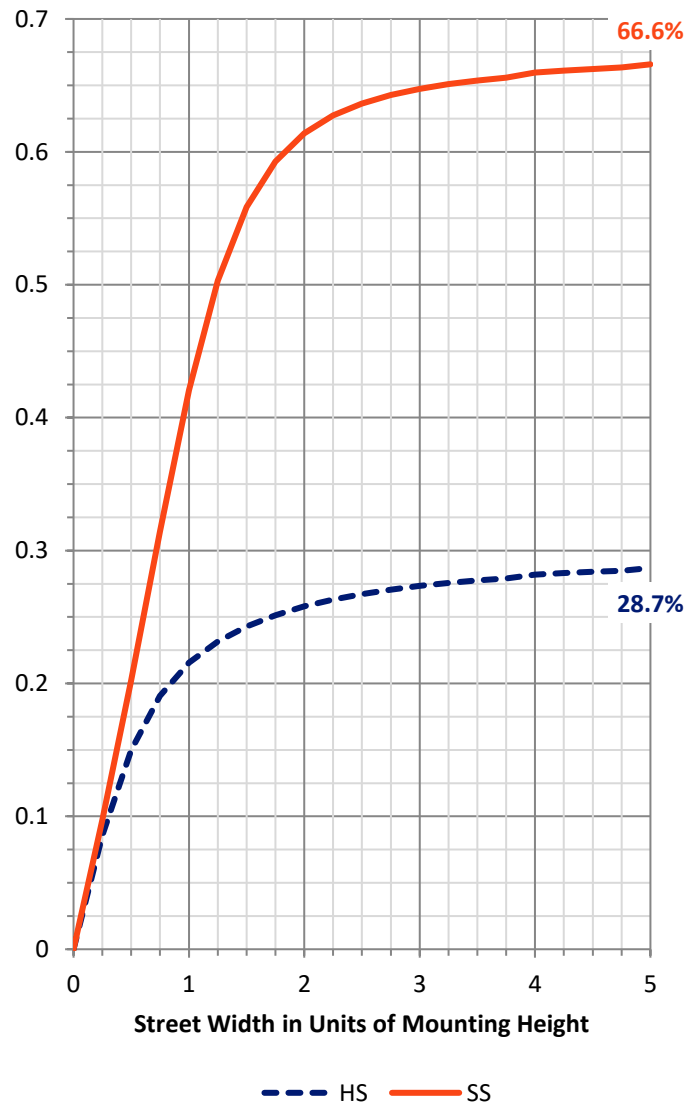
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	921.8	45.1	966.8
	% Fixture	29.6	1.4	31.0
<b>Street Side</b>	Lumens	2104.4	45.9	2150.3
	% Fixture	67.5	1.5	69.0
<b>Total</b>	Lumens	3026.2	91.0	3117.2
	% Fixture	97.1	2.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.5	0.3
10°-20°	39.1	1.3
20°-30°	115.3	3.7
30°-40°	281.3	9.0
40°-50°	513.5	16.5
50°-60°	730.7	23.4
60°-70°	735.6	23.6
70°-80°	435.5	14.0
80°-90°	165.7	5.3
90°-100°	52.2	1.7
100°-110°	19.7	0.6
110°-120°	9.5	0.3
120°-130°	5.4	0.2
130°-140°	3.0	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3026.2	97.1
0°-180°	3117.2	100.0



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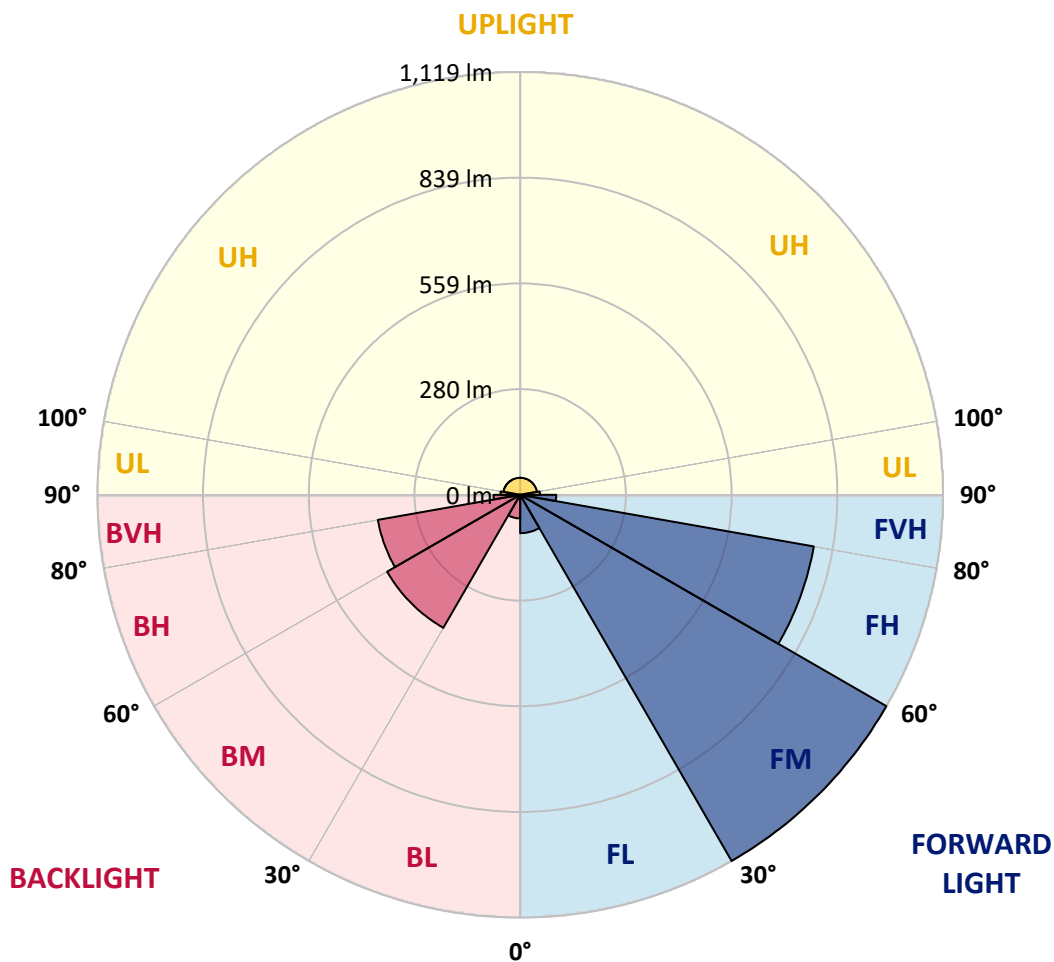
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.5	3.3			
FM (30°-60°)	1118.8	35.9			
FH (60°-80°)	788.8	25.3			G1/1800
FVH (80°-90°)	95.3	3.1			G1/100
BL (0°-30°)	62.4	2.0	B0/110		
BM (30°-60°)	406.6	13.0	B1/1000		
BH (60°-80°)	382.3	12.3	B1/500		G1/500
BVH (80°-90°)	70.4	2.3			G1/100
UL (90°-100°)	52.2	1.7		U3/500	
UH (100°-180°)	45.1	1.4		U2/50	

**BUG Rating: B1-U3-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	102.6	102.2	102.6	102.2	102.2	101.5	100.4	98.9	97.4	97.0	95.8
5°	109.7	109.7	109.7	108.9	108.2	107.1	104.9	102.2	99.7	99.2	97.0
7.5°	119.4	119.8	119.1	117.6	116.2	113.1	110.5	106.7	103.4	103.0	99.7
10°	134.1	133.8	132.5	130.7	126.6	123.3	118.8	113.5	109.7	108.9	104.9
12.5°	154.3	153.9	152.1	146.9	141.2	134.8	130.3	125.4	121.8	121.4	117.6
15°	180.5	179.7	176.0	169.3	160.3	152.1	148.3	143.4	139.8	139.3	135.6
17.5°	212.7	212.0	206.7	197.0	184.6	175.3	171.1	165.5	161.3	161.8	156.1
20°	253.2	251.3	244.2	231.1	216.2	204.9	198.6	192.9	189.4	189.1	184.9
22.5°	305.3	302.6	289.9	274.1	255.4	240.1	231.8	225.8	223.6	224.0	220.1
25°	371.9	367.0	350.9	329.2	305.9	282.3	272.6	265.9	267.0	267.8	264.1
27.5°	450.9	448.6	423.9	397.7	363.3	332.9	324.0	317.2	319.5	321.3	318.4
30°	549.0	541.5	512.8	473.4	428.9	391.7	380.1	377.9	383.8	386.4	384.6
32.5°	661.8	655.3	616.1	566.3	501.5	457.7	444.1	450.1	459.9	462.9	460.6
35°	795.4	789.8	737.1	668.8	586.5	539.6	521.7	531.8	544.1	546.8	543.4
37.5°	933.6	930.7	873.0	783.5	682.8	622.0	606.7	621.3	634.5	636.7	625.4
40°	1051.9	1054.6	997.0	897.7	781.6	709.6	700.7	713.8	717.5	718.7	697.3
42.5°	1148.2	1149.7	1099.5	999.1	874.5	801.1	796.2	802.9	804.0	804.0	779.3
45°	1173.7	1181.9	1153.1	1076.8	962.9	889.8	889.8	905.2	912.7	914.9	883.2
47.5°	1185.4	1191.4	1174.9	1119.8	1034.0	975.5	995.1	1030.7	1038.2	1042.3	1001.5
50°	1174.9	1183.1	1180.1	1144.5	1082.6	1054.3	1111.1	1173.3	1187.2	1191.4	1141.5
52.5°	1092.5	1108.9	1133.7	1140.0	1112.3	1119.8	1228.7	1333.6	1346.0	1348.3	1274.4
55°	973.4	992.8	1034.8	1079.4	1105.9	1163.2	1343.1	1488.6	1485.7	1487.1	1402.6
57.5°	823.6	842.6	899.2	969.5	1046.7	1173.0	1411.5	1614.6	1635.1	1639.2	1559.1
60°	685.7	693.6	754.2	833.9	936.3	1123.5	1411.5	1719.4	1786.4	1778.5	1669.9
62.5°	526.9	543.0	606.3	693.2	804.4	1002.6	1360.2	1752.7	1840.4	1829.4	1727.6
65°	403.3	416.5	472.2	554.3	665.2	850.9	1238.5	1682.7	1853.5	1850.9	1783.0
67.5°	314.5	316.5	364.4	434.5	526.2	686.4	1039.3	1546.7	1790.1	1789.7	1749.4
70°	237.8	239.8	278.6	343.4	406.3	525.1	830.0	1325.5	1622.0	1617.1	1635.8
72.5°	181.6	183.9	214.5	266.3	312.4	392.1	632.5	1065.9	1369.6	1376.6	1404.4
75°	140.4	142.7	166.6	206.7	239.3	287.6	456.9	802.6	1098.0	1109.6	1167.8
77.5°	108.2	110.5	129.6	159.9	183.9	210.9	318.4	588.7	849.4	864.4	929.1
80°	83.1	85.4	102.2	124.0	143.4	159.9	224.3	421.7	639.2	656.1	731.4
82.5°	64.5	66.6	80.9	98.5	114.9	126.2	163.3	300.4	476.7	490.6	568.9
85°	49.8	51.7	63.7	77.6	93.2	103.4	125.1	212.7	342.3	353.9	415.7
87.5°	38.6	40.1	49.8	61.0	75.6	85.8	99.7	154.7	234.8	243.7	284.9
90°	29.2	30.7	38.6	47.2	59.9	70.8	79.8	111.2	161.3	166.6	187.6
92.5°	21.3	22.5	28.9	35.2	45.7	56.2	63.7	82.4	109.7	112.3	121.4
95°	16.1	16.8	21.3	26.2	34.4	43.4	49.3	60.6	73.8	75.3	78.2
97.5°	12.8	13.1	16.5	20.2	26.6	33.7	38.2	44.6	52.0	52.8	54.3
100°	10.8	11.3	13.8	16.8	21.3	27.0	30.4	34.4	38.6	38.9	40.1
102.5°	9.4	9.8	11.6	13.8	18.0	22.5	24.7	27.4	29.6	29.2	30.4
105°	8.2	8.2	10.2	12.0	15.4	18.7	20.2	21.8	22.5	22.5	23.3
107.5°	7.1	7.5	8.6	10.5	13.4	16.1	16.8	17.3	17.3	17.3	18.0
110°	6.3	6.3	7.5	9.0	11.6	13.8	14.2	13.8	13.4	13.4	14.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.6	5.6	6.3	8.2	10.5	12.3	12.3	11.6	10.5	10.5	11.3
115°	4.9	5.3	5.6	7.5	9.8	11.3	10.8	9.8	8.6	8.6	9.4
117.5°	4.5	4.5	5.3	6.8	9.0	10.2	9.8	8.2	7.1	7.1	7.8
120°	4.5	4.5	4.9	6.3	8.2	9.4	8.6	7.1	6.0	6.0	7.1
122.5°	4.5	4.5	4.9	6.0	7.5	8.2	7.8	6.3	5.3	5.3	6.0
125°	4.9	4.9	4.9	6.0	7.1	7.8	7.1	6.0	4.9	4.9	5.3
127.5°	5.3	5.3	5.3	6.0	6.8	7.1	6.3	5.3	4.5	4.5	4.9
130°	5.6	5.6	5.3	5.6	6.3	6.3	6.0	4.9	4.2	4.2	4.9
132.5°	5.6	5.6	5.3	5.3	5.6	5.6	5.3	4.2	3.8	3.8	4.5
135°	5.3	5.3	4.9	4.9	4.9	4.9	4.2	3.4	3.4	3.4	3.8
137.5°	4.9	4.9	4.5	4.5	4.5	4.2	3.4	2.6	2.6	2.6	3.4
140°	4.2	4.2	4.2	3.8	3.8	3.4	2.6	2.3	2.3	2.3	2.6
142.5°	3.8	3.4	3.4	2.9	2.9	2.6	1.8	1.5	1.5	1.5	1.8
145°	2.9	2.9	2.6	2.3	2.3	1.8	1.1	0.8	1.1	1.1	1.5
147.5°	2.3	2.3	1.8	1.8	1.5	1.1	0.3	0.8	0.8	0.8	1.1
150°	1.5	1.5	1.5	1.1	0.8	0.3	0.3	0.3	0.3	0.8	0.8
152.5°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	95.2	94.7	94.0	92.6	92.1	91.3	90.2	89.9	89.1	89.5	89.1
5°	95.8	95.2	92.6	91.0	89.1	88.1	86.9	86.1	85.4	85.0	84.6
7.5°	97.8	96.5	93.6	90.6	88.1	86.1	84.6	83.5	82.8	82.4	82.1
10°	102.6	101.1	96.5	92.6	88.4	85.8	83.9	82.8	82.1	82.1	82.1
12.5°	114.6	112.7	106.0	98.9	92.1	88.1	85.8	87.3	89.1	91.0	92.1
15°	131.8	129.6	121.4	111.2	101.1	95.2	95.5	98.5	100.7	103.0	103.4
17.5°	153.5	150.6	140.1	126.6	113.1	108.2	106.7	109.7	113.5	115.7	116.8
20°	180.5	176.8	163.3	144.5	131.1	124.0	120.6	121.8	125.8	129.6	129.9
22.5°	214.9	208.2	192.6	166.6	149.8	139.0	134.1	134.1	139.8	144.5	145.4
25°	258.8	252.4	227.4	194.7	170.0	153.5	147.9	149.0	156.6	162.9	163.7
27.5°	312.7	303.7	270.8	228.1	190.9	166.3	160.3	163.3	170.8	177.5	178.3
30°	377.2	362.8	321.0	264.1	211.6	178.9	169.7	173.4	180.2	187.3	187.3
32.5°	450.1	433.3	377.5	302.2	231.1	188.0	175.0	179.7	186.5	193.6	193.3
35°	529.2	509.7	436.3	340.8	248.7	194.4	177.5	183.1	190.9	199.6	199.6
37.5°	609.3	589.5	495.5	375.3	261.0	195.1	178.3	186.5	197.0	204.9	204.1
40°	675.2	648.2	543.4	400.0	266.3	193.3	179.4	188.4	196.2	199.6	198.9
42.5°	754.2	719.8	591.0	412.7	262.9	189.9	179.7	186.2	189.9	189.9	188.4
45°	849.7	810.4	650.1	426.2	254.2	186.2	177.9	181.6	181.6	178.6	176.4
47.5°	965.6	912.4	712.7	438.1	245.8	182.8	176.0	177.5	173.4	169.0	167.3
50°	1100.4	1035.9	781.6	446.8	237.4	180.2	175.3	174.5	171.5	167.0	165.5
52.5°	1224.7	1152.3	853.1	453.5	228.8	178.9	175.3	175.3	172.3	165.8	164.4
55°	1347.0	1269.9	910.4	449.8	219.5	179.4	176.8	177.5	173.4	167.0	165.5
57.5°	1501.4	1418.3	978.6	443.0	209.8	180.2	178.3	178.9	175.3	169.3	167.8
60°	1608.6	1516.4	1027.2	432.5	200.7	180.2	178.9	180.2	178.9	176.0	175.0
62.5°	1672.2	1569.5	1032.5	408.6	194.1	178.6	178.3	182.0	184.6	183.5	182.4
65°	1720.1	1613.0	1020.9	377.5	186.2	174.5	176.4	182.4	186.9	187.3	186.9
67.5°	1683.0	1572.6	964.8	341.2	176.8	169.3	173.0	179.7	186.5	188.8	188.4
70°	1569.2	1460.6	868.1	296.6	165.8	161.0	166.3	175.3	182.4	184.9	184.2
72.5°	1335.1	1238.1	735.2	253.9	153.2	150.2	155.8	166.3	172.3	173.7	172.6
75°	1105.1	1019.8	590.2	209.3	139.3	136.7	141.9	150.2	154.3	154.3	152.4
77.5°	883.5	804.0	464.8	173.7	125.1	122.1	127.0	131.8	132.5	129.9	128.1
80°	694.1	619.1	352.1	143.7	110.5	107.5	108.9	112.0	113.1	108.2	105.7
82.5°	538.2	471.1	264.4	119.1	96.2	92.6	93.6	95.2	95.5	89.5	86.6
85°	388.0	337.4	194.1	100.4	82.8	79.4	79.0	79.4	79.8	74.6	71.9
87.5°	266.3	231.1	141.9	84.2	71.6	68.2	67.4	67.0	67.0	61.4	58.8
90°	175.3	155.0	105.7	71.1	60.6	57.3	55.8	55.4	54.6	48.7	46.4
92.5°	113.8	104.2	78.2	58.5	50.1	47.2	45.4	44.1	43.0	37.4	35.2
95°	74.6	70.4	59.2	46.8	40.4	37.8	36.3	34.9	33.4	28.5	27.0
97.5°	52.8	51.4	46.1	37.8	32.2	30.4	29.2	28.1	27.0	22.8	22.1
100°	39.7	39.4	37.0	31.0	26.2	25.1	23.9	23.3	22.5	19.4	18.7
102.5°	30.7	31.0	30.4	25.4	22.1	21.0	20.2	19.4	19.1	16.8	16.5
105°	23.9	24.7	24.4	21.3	18.7	18.0	17.3	16.5	16.1	14.6	14.6
107.5°	18.7	19.4	19.8	17.6	16.1	15.4	14.6	13.8	13.8	13.1	13.1
110°	15.0	15.8	16.5	15.0	13.8	13.4	12.8	12.0	11.6	11.6	11.6



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	12.8	13.4	12.8	12.0	11.6	10.8	10.2	10.2	10.2	10.5
115°	10.2	10.8	11.3	10.8	10.5	10.5	9.4	8.6	8.2	9.0	9.0
117.5°	8.6	9.4	9.8	9.4	9.4	9.4	8.2	7.5	7.1	7.5	7.8
120°	7.5	7.8	8.2	8.2	8.2	8.2	7.5	6.3	6.0	6.8	6.8
122.5°	6.3	6.8	7.1	7.5	7.5	7.1	6.3	5.6	5.3	6.0	6.0
125°	5.6	6.0	6.3	6.8	6.8	6.3	5.6	4.9	4.5	5.3	5.3
127.5°	5.3	5.6	6.0	6.0	6.0	5.6	4.9	4.2	4.2	4.5	4.9
130°	5.3	5.3	5.6	5.6	5.3	4.9	4.2	3.4	3.4	4.2	4.2
132.5°	4.9	4.9	4.9	4.9	4.5	4.2	3.4	2.9	2.9	3.8	3.8
135°	4.2	4.2	4.2	4.2	3.8	3.4	2.9	2.3	2.6	2.9	2.9
137.5°	3.4	3.4	3.4	3.4	2.9	2.6	2.3	1.8	1.8	2.3	2.6
140°	2.6	2.9	2.9	2.6	2.3	2.3	1.5	1.1	1.5	1.8	1.8
142.5°	2.3	2.3	2.3	1.8	1.8	1.5	1.1	0.8	1.1	1.5	1.5
145°	1.8	1.8	1.8	1.8	1.5	0.8	0.3	0.3	0.8	0.8	0.8
147.5°	1.5	1.5	1.5	1.5	1.1	0.8	0.0	0.0	0.3	0.3	0.3
150°	1.1	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)