

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: P266065

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266065
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-AF24-40-D-U-T2U-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3626.6 lumens
Efficiency: N/A
Efficacy: 90.7 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): 40
Input Voltage (V): NR
Input Current (A_{in}): 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

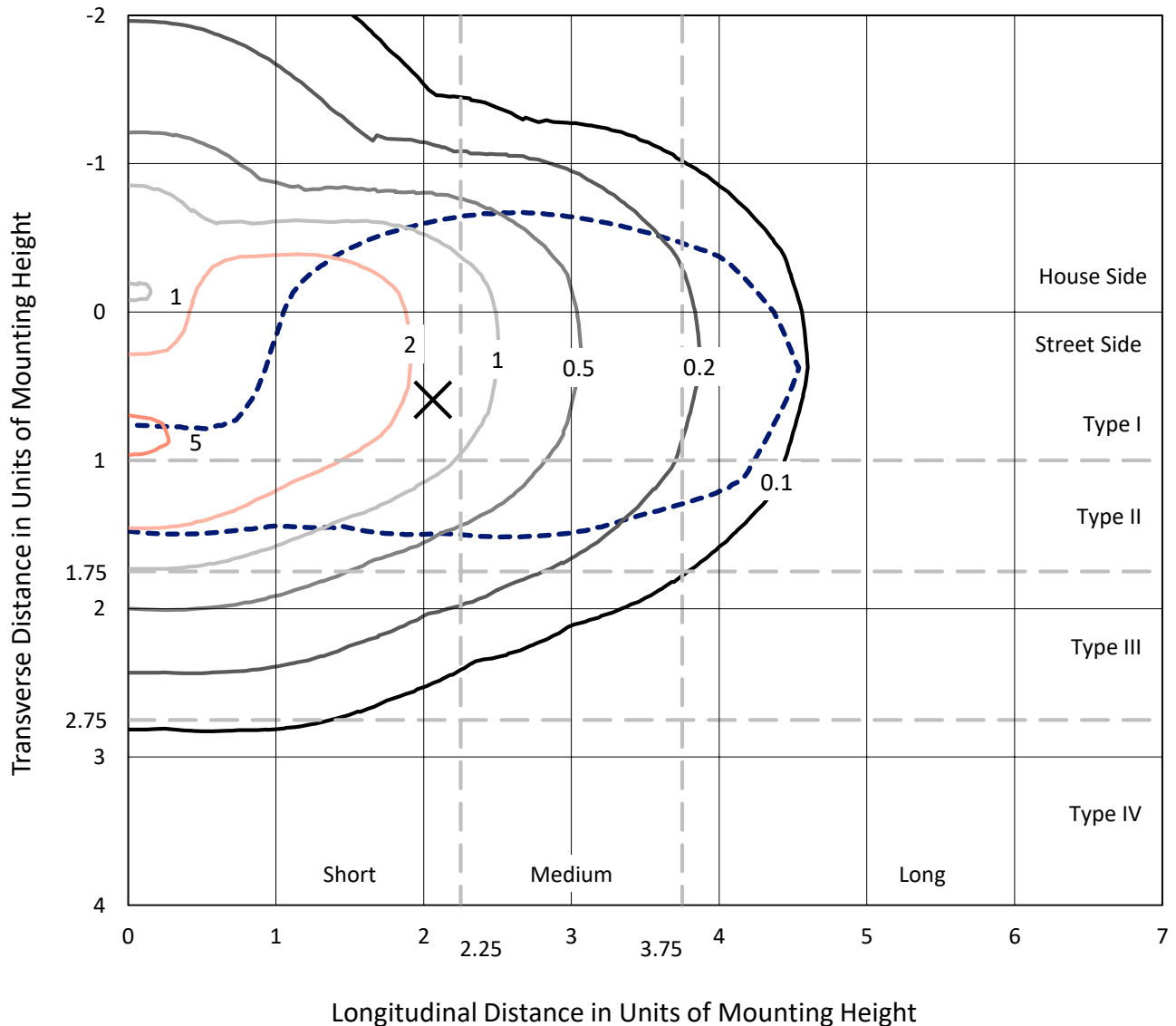


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

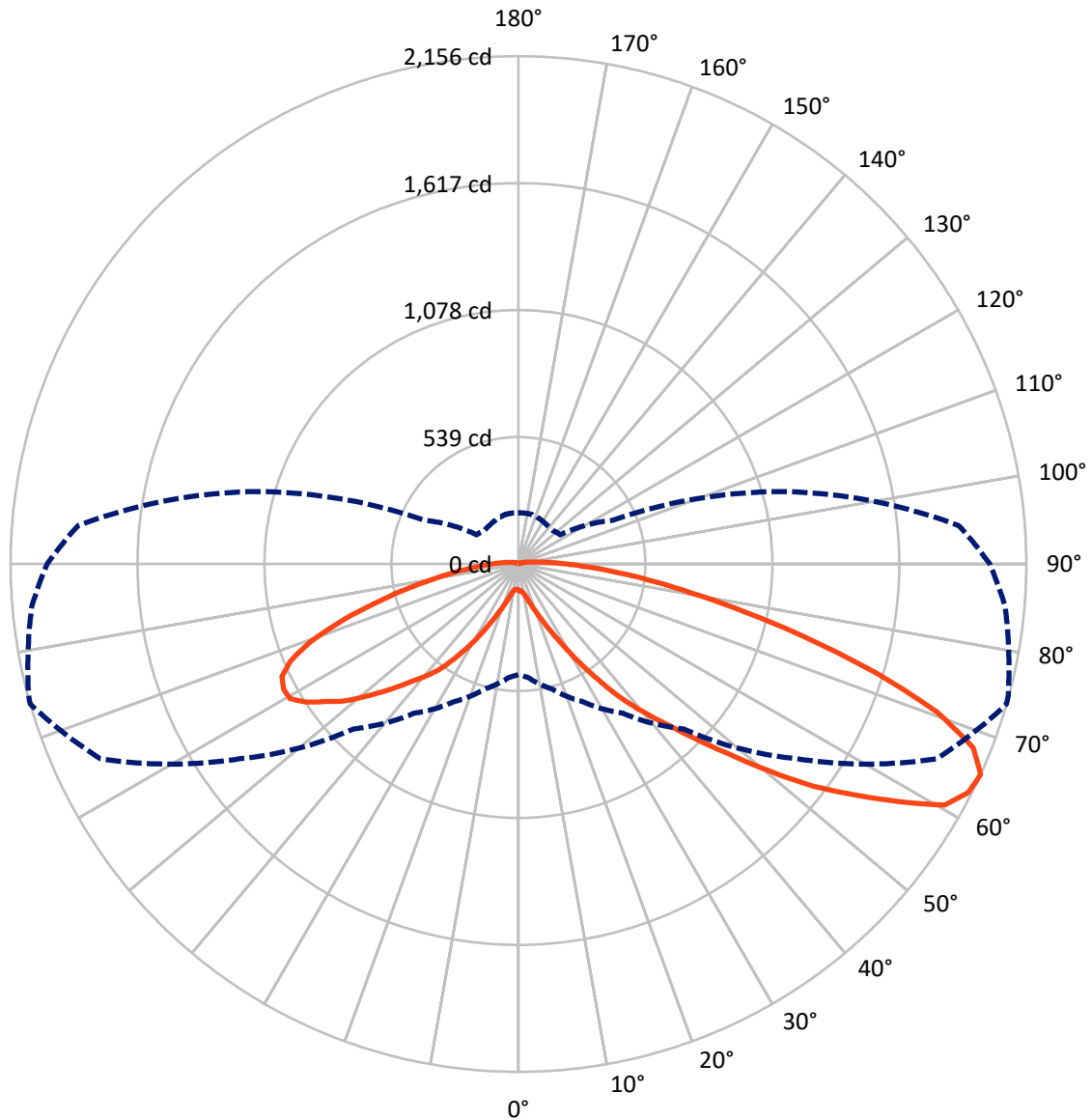


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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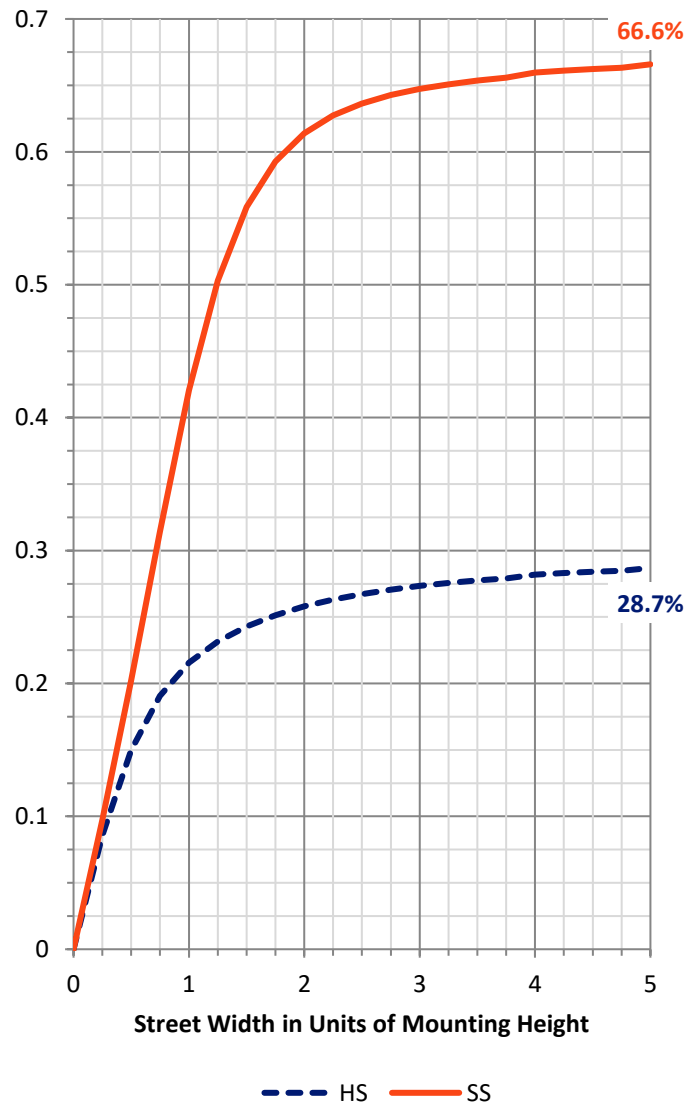
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1072.4	52.5	1124.8
	% Fixture	29.6	1.4	31.0
Street Side	Lumens	2448.3	53.4	2501.8
	% Fixture	67.5	1.5	69.0
Total	Lumens	3520.7	105.9	3626.6
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.3
10°-20°	45.5	1.3
20°-30°	134.2	3.7
30°-40°	327.2	9.0
40°-50°	597.4	16.5
50°-60°	850.1	23.4
60°-70°	855.8	23.6
70°-80°	506.7	14.0
80°-90°	192.8	5.3
90°-100°	60.8	1.7
100°-110°	23.0	0.6
110°-120°	11.0	0.3
120°-130°	6.3	0.2
130°-140°	3.6	0.1
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3520.7	97.1
0°-180°	3626.6	100.0



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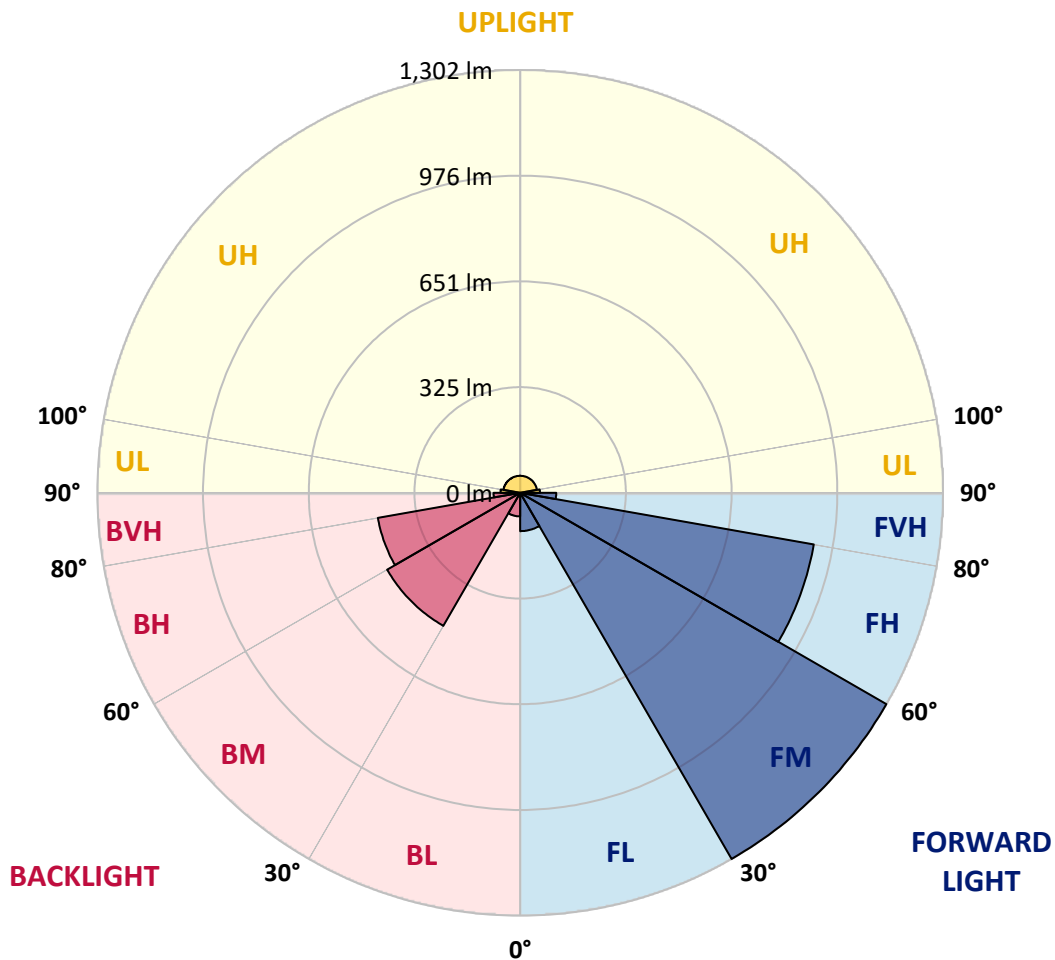
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.1	3.3			
FM (30°-60°)	1301.6	35.9			
FH (60°-80°)	917.7	25.3			G1/1800
FVH (80°-90°)	110.9	3.1			G2/225
BL (0°-30°)	72.7	2.0	B0/110		
BM (30°-60°)	473.1	13.0	B1/1000		
BH (60°-80°)	444.8	12.3	B1/500		G1/500
BVH (80°-90°)	81.9	2.3			G1/100
UL (90°-100°)	60.8	1.7		U3/500	
UH (100°-180°)	52.5	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	119.4	118.9	119.4	118.9	118.9	118.0	116.8	115.1	113.2	112.8	111.5
5°	127.6	127.6	127.6	126.8	125.9	124.7	122.0	118.9	115.9	115.4	112.8
7.5°	139.0	139.4	138.6	136.8	135.0	131.6	128.5	124.1	120.3	119.8	115.9
10°	155.9	155.5	154.2	152.1	147.2	143.4	138.1	132.1	127.6	126.8	122.0
12.5°	179.5	179.1	176.8	170.8	164.3	156.8	151.6	146.0	141.7	141.2	136.8
15°	210.1	209.1	204.8	197.0	186.5	176.8	172.6	166.8	162.6	162.1	157.7
17.5°	247.6	246.7	240.4	229.2	214.9	203.9	199.2	192.5	187.7	188.3	181.6
20°	294.6	292.4	284.0	268.9	251.3	238.3	231.0	224.3	220.4	220.1	215.2
22.5°	355.1	352.0	337.3	319.0	297.2	279.4	269.8	262.8	260.1	260.6	256.1
25°	432.7	427.1	408.3	382.9	356.0	328.5	317.2	309.3	310.6	311.5	307.2
27.5°	524.6	521.9	493.2	462.7	422.7	387.3	376.8	369.1	371.7	373.9	370.3
30°	638.8	630.0	596.5	550.8	498.9	455.8	442.2	439.6	446.5	449.6	447.4
32.5°	769.8	762.5	716.8	658.7	583.4	532.4	516.7	523.7	535.0	538.5	535.8
35°	925.4	918.8	857.5	778.2	682.4	627.8	607.0	618.8	633.0	636.1	632.1
37.5°	1086.2	1082.7	1015.7	911.5	794.3	723.8	705.9	722.9	738.0	740.7	727.6
40°	1223.9	1226.9	1159.8	1044.4	909.4	825.6	815.2	830.5	834.9	836.1	811.3
42.5°	1335.9	1337.7	1279.2	1162.4	1017.4	932.0	926.3	934.1	935.5	935.5	906.7
45°	1365.6	1375.0	1341.6	1252.6	1120.1	1035.2	1035.2	1053.2	1061.8	1064.4	1027.4
47.5°	1379.0	1385.9	1366.9	1302.8	1203.0	1135.0	1157.6	1199.1	1207.9	1212.6	1165.1
50°	1366.9	1376.5	1372.9	1331.6	1259.7	1226.5	1292.8	1365.1	1381.2	1385.9	1328.1
52.5°	1270.9	1290.1	1318.9	1326.3	1294.1	1302.8	1429.6	1551.6	1565.9	1568.6	1482.7
55°	1132.5	1155.1	1203.9	1255.7	1286.6	1353.2	1562.4	1731.9	1728.5	1730.1	1631.7
57.5°	958.1	980.3	1046.2	1128.0	1217.8	1364.6	1642.2	1878.4	1902.3	1907.1	1813.9
60°	797.8	806.9	877.6	970.3	1089.3	1307.2	1642.2	2000.3	2078.3	2069.2	1942.9
62.5°	613.1	631.8	705.3	806.5	935.9	1166.4	1582.5	2039.2	2141.1	2128.4	2010.0
65°	469.3	484.5	549.5	644.9	773.8	989.9	1440.9	1957.6	2156.3	2153.2	2074.5
67.5°	366.0	368.1	423.9	505.4	612.1	798.7	1209.1	1799.5	2082.7	2082.2	2035.2
70°	276.7	278.8	324.2	399.6	472.8	610.8	965.6	1542.0	1887.1	1881.4	1903.1
72.5°	211.3	213.9	249.6	309.7	363.4	456.2	735.9	1240.0	1593.5	1601.7	1633.8
75°	163.4	165.9	193.9	240.4	278.5	334.6	531.5	933.7	1277.5	1291.0	1358.5
77.5°	125.9	128.5	150.7	186.0	213.9	245.2	370.3	685.0	988.1	1005.7	1081.0
80°	96.7	99.4	118.9	144.2	166.8	186.0	261.0	490.7	743.7	763.4	851.0
82.5°	75.0	77.6	94.1	114.7	133.8	146.9	190.0	349.4	554.7	570.8	661.8
85°	57.9	60.1	74.1	90.2	108.4	120.3	145.5	247.6	398.3	411.8	483.6
87.5°	44.8	46.6	57.9	71.1	88.0	99.8	115.9	179.9	273.2	283.7	331.6
90°	34.0	35.8	44.8	54.8	69.7	82.4	92.9	129.4	187.7	193.9	218.3
92.5°	24.9	26.1	33.5	41.0	53.2	65.3	74.1	95.8	127.6	130.8	141.2
95°	18.8	19.7	24.9	30.5	40.1	50.6	57.5	70.5	85.9	87.6	91.1
97.5°	14.8	15.2	19.1	23.5	30.9	39.3	44.5	51.8	60.5	61.4	63.2
100°	12.7	13.0	16.1	19.7	24.9	31.4	35.4	40.1	44.8	45.4	46.6
102.5°	10.9	11.3	13.6	16.1	20.9	26.1	28.7	31.8	34.5	34.0	35.4
105°	9.6	9.6	11.8	14.0	17.8	21.7	23.5	25.2	26.1	26.1	26.9
107.5°	8.3	8.8	10.1	12.1	15.7	18.8	19.7	20.0	20.0	20.0	20.9
110°	7.4	7.4	8.8	10.5	13.6	16.1	16.6	16.1	15.7	15.7	16.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.6	6.6	7.4	9.6	12.1	14.4	14.4	13.6	12.1	12.1	13.0
115°	5.7	6.1	6.6	8.8	11.3	13.0	12.7	11.3	10.1	10.1	10.9
117.5°	5.2	5.2	6.1	7.8	10.5	11.8	11.3	9.6	8.3	8.3	9.2
120°	5.2	5.2	5.7	7.4	9.6	10.9	10.1	8.3	6.9	6.9	8.3
122.5°	5.2	5.2	5.7	6.9	8.8	9.6	9.2	7.4	6.1	6.1	6.9
125°	5.7	5.7	5.7	6.9	8.3	9.2	8.3	6.9	5.7	5.7	6.1
127.5°	6.1	6.1	6.1	6.9	7.8	8.3	7.4	6.1	5.2	5.2	5.7
130°	6.6	6.6	6.1	6.6	7.4	7.4	6.9	5.7	4.9	4.9	5.7
132.5°	6.6	6.6	6.1	6.1	6.6	6.6	6.1	4.9	4.3	4.3	5.2
135°	6.1	6.1	5.7	5.7	5.7	5.7	4.9	4.0	4.0	4.0	4.3
137.5°	5.7	5.7	5.2	5.2	5.2	4.9	4.0	3.1	3.1	3.1	4.0
140°	4.9	4.9	4.9	4.3	4.3	4.0	3.1	2.6	2.6	2.6	3.1
142.5°	4.3	4.0	4.0	3.6	3.6	3.1	2.2	1.7	1.7	1.7	2.2
145°	3.6	3.6	3.1	2.6	2.6	2.2	1.3	0.9	1.3	1.3	1.7
147.5°	2.6	2.6	2.2	2.2	1.7	1.3	0.4	0.9	0.9	0.9	1.3
150°	1.7	1.7	1.7	1.3	0.9	0.4	0.4	0.4	0.4	0.9	0.9
152.5°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	110.8	110.2	109.4	107.6	107.2	106.3	105.0	104.6	103.8	104.2	103.8
5°	111.5	110.8	107.6	105.9	103.8	102.3	101.1	100.3	99.4	99.0	98.5
7.5°	113.7	112.4	109.0	105.5	102.3	100.3	98.5	97.1	96.3	95.8	95.4
10°	119.4	117.7	112.4	107.6	102.9	99.8	97.6	96.3	95.4	95.4	95.4
12.5°	133.3	131.2	123.2	115.1	107.2	102.3	99.8	101.5	103.8	105.9	107.2
15°	153.4	150.7	141.2	129.4	117.7	110.8	111.1	114.7	117.1	119.8	120.3
17.5°	178.7	175.2	163.0	147.2	131.6	125.9	124.1	127.6	132.1	134.7	136.0
20°	210.1	205.6	190.0	168.3	152.5	144.2	140.2	141.7	146.5	150.7	151.2
22.5°	250.1	242.3	223.9	193.9	174.4	161.7	155.9	155.9	162.6	168.3	169.1
25°	301.1	293.7	264.6	226.6	197.7	178.7	172.1	173.5	182.1	189.5	190.4
27.5°	363.9	353.4	315.0	265.4	222.2	193.4	186.5	190.0	198.6	206.5	207.4
30°	438.7	422.3	373.3	307.2	246.1	208.2	197.4	201.7	209.6	217.8	217.8
32.5°	523.7	504.0	439.2	351.6	268.9	218.7	203.5	209.1	217.0	225.2	224.8
35°	615.7	593.1	507.6	396.5	289.3	226.2	206.5	213.1	222.2	232.2	232.2
37.5°	708.9	685.8	576.4	436.5	303.6	227.0	207.4	217.0	229.2	238.3	237.4
40°	785.6	754.1	632.1	465.3	309.7	224.8	208.6	219.1	228.3	232.2	231.4
42.5°	877.6	837.4	687.6	480.1	305.9	221.0	209.1	216.5	221.0	221.0	219.1
45°	988.7	943.0	756.5	495.9	295.8	216.5	207.0	211.3	211.3	207.9	205.3
47.5°	1123.3	1061.3	829.1	509.8	285.8	212.5	204.8	206.5	201.7	196.5	194.8
50°	1280.2	1205.2	909.4	519.8	276.3	209.6	203.9	203.0	199.6	194.4	192.5
52.5°	1424.8	1340.7	992.5	527.7	266.2	208.2	203.9	203.9	200.4	193.0	191.2
55°	1567.3	1477.5	1059.2	523.4	255.3	208.6	205.6	206.5	201.7	194.4	192.5
57.5°	1746.8	1650.0	1138.5	515.4	244.0	209.6	207.4	208.2	203.9	197.0	195.2
60°	1871.3	1764.2	1195.1	503.2	233.5	209.6	208.2	209.6	208.2	204.8	203.5
62.5°	1945.5	1826.1	1201.3	475.4	225.7	207.9	207.4	211.8	214.9	213.4	212.2
65°	2001.2	1876.6	1187.7	439.2	216.5	203.0	205.3	212.2	217.4	217.8	217.4
67.5°	1958.0	1829.6	1122.4	397.0	205.6	197.0	201.3	209.1	217.0	219.5	219.1
70°	1825.6	1699.2	1010.0	345.0	193.0	187.3	193.4	203.9	212.2	215.2	214.3
72.5°	1553.3	1440.4	855.2	295.5	178.3	174.7	181.3	193.4	200.4	202.2	201.0
75°	1285.7	1186.4	686.7	243.6	162.1	159.0	165.1	174.7	179.5	179.5	177.3
77.5°	1027.8	935.5	540.7	202.2	145.5	142.0	147.7	153.4	154.2	151.2	148.9
80°	807.3	720.3	409.5	167.4	128.5	125.0	126.8	130.3	131.6	125.9	122.9
82.5°	626.1	548.1	307.6	138.6	112.0	107.6	109.0	110.8	111.1	104.2	100.6
85°	451.4	392.6	225.7	116.8	96.3	92.3	91.9	92.3	92.9	86.6	83.6
87.5°	309.7	268.9	165.1	98.1	83.3	79.3	78.4	78.1	78.1	71.4	68.5
90°	203.9	180.4	122.9	82.7	70.5	66.7	64.9	64.5	63.6	56.7	54.0
92.5°	132.5	121.1	91.1	68.0	58.4	54.8	52.7	51.5	50.1	43.6	41.0
95°	86.6	81.9	68.8	54.4	47.0	43.9	42.3	40.6	38.7	33.1	31.4
97.5°	61.4	59.6	53.5	43.9	37.5	35.4	34.0	32.7	31.4	26.6	25.7
100°	46.3	45.8	43.1	36.1	30.5	29.1	27.8	26.9	26.1	22.6	21.7
102.5°	35.8	36.1	35.4	29.6	25.7	24.4	23.5	22.6	22.2	19.7	19.1
105°	27.8	28.7	28.3	24.9	21.7	20.9	20.0	19.1	18.8	17.0	17.0
107.5°	21.7	22.6	23.0	20.5	18.8	17.8	17.0	16.1	16.1	15.2	15.2
110°	17.4	18.2	19.1	17.4	16.1	15.7	14.8	14.0	13.6	13.6	13.6



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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-A-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.4	14.8	15.7	14.8	14.0	13.6	12.7	11.8	11.8	11.8	12.1
115°	11.8	12.7	13.0	12.7	12.1	12.1	10.9	10.1	9.6	10.5	10.5
117.5°	10.1	10.9	11.3	10.9	10.9	10.9	9.6	8.8	8.3	8.8	9.2
120°	8.8	9.2	9.6	9.6	9.6	9.6	8.8	7.4	6.9	7.8	7.8
122.5°	7.4	7.8	8.3	8.8	8.8	8.3	7.4	6.6	6.1	6.9	6.9
125°	6.6	6.9	7.4	7.8	7.8	7.4	6.6	5.7	5.2	6.1	6.1
127.5°	6.1	6.6	6.9	6.9	6.9	6.6	5.7	4.9	4.9	5.2	5.7
130°	6.1	6.1	6.6	6.6	6.1	5.7	4.9	4.0	4.0	4.9	4.9
132.5°	5.7	5.7	5.7	5.7	5.2	4.9	4.0	3.6	3.6	4.3	4.3
135°	4.9	4.9	4.9	4.9	4.3	4.0	3.6	2.6	3.1	3.6	3.6
137.5°	4.0	4.0	4.0	4.0	3.6	3.1	2.6	2.2	2.2	2.6	3.1
140°	3.1	3.6	3.6	3.1	2.6	2.6	1.7	1.3	1.7	2.2	2.2
142.5°	2.6	2.6	2.6	2.2	2.2	1.7	1.3	0.9	1.3	1.7	1.7
145°	2.2	2.2	2.2	2.2	1.7	0.9	0.4	0.4	0.9	0.9	0.9
147.5°	1.7	1.7	1.7	1.7	1.3	0.9	0.0	0.0	0.4	0.4	0.4
150°	1.3	1.3	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.4	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)