

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: P266062

Luminaire Tested: **LXF.LXT-AF24-40-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266062
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-AF24-40-D-U-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3497 lumens
Efficiency: N/A
Efficacy: 87.4 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): 40
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

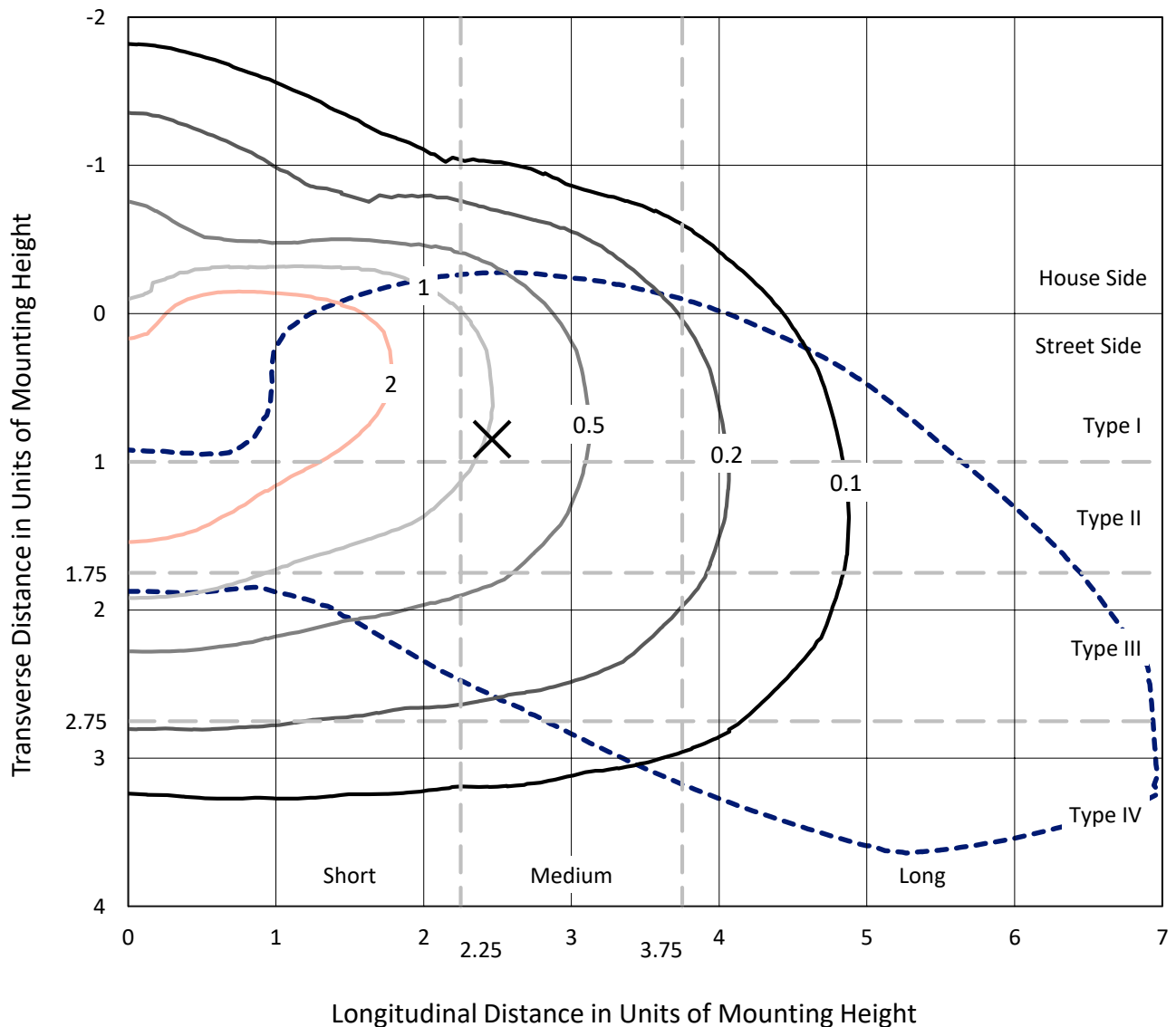


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

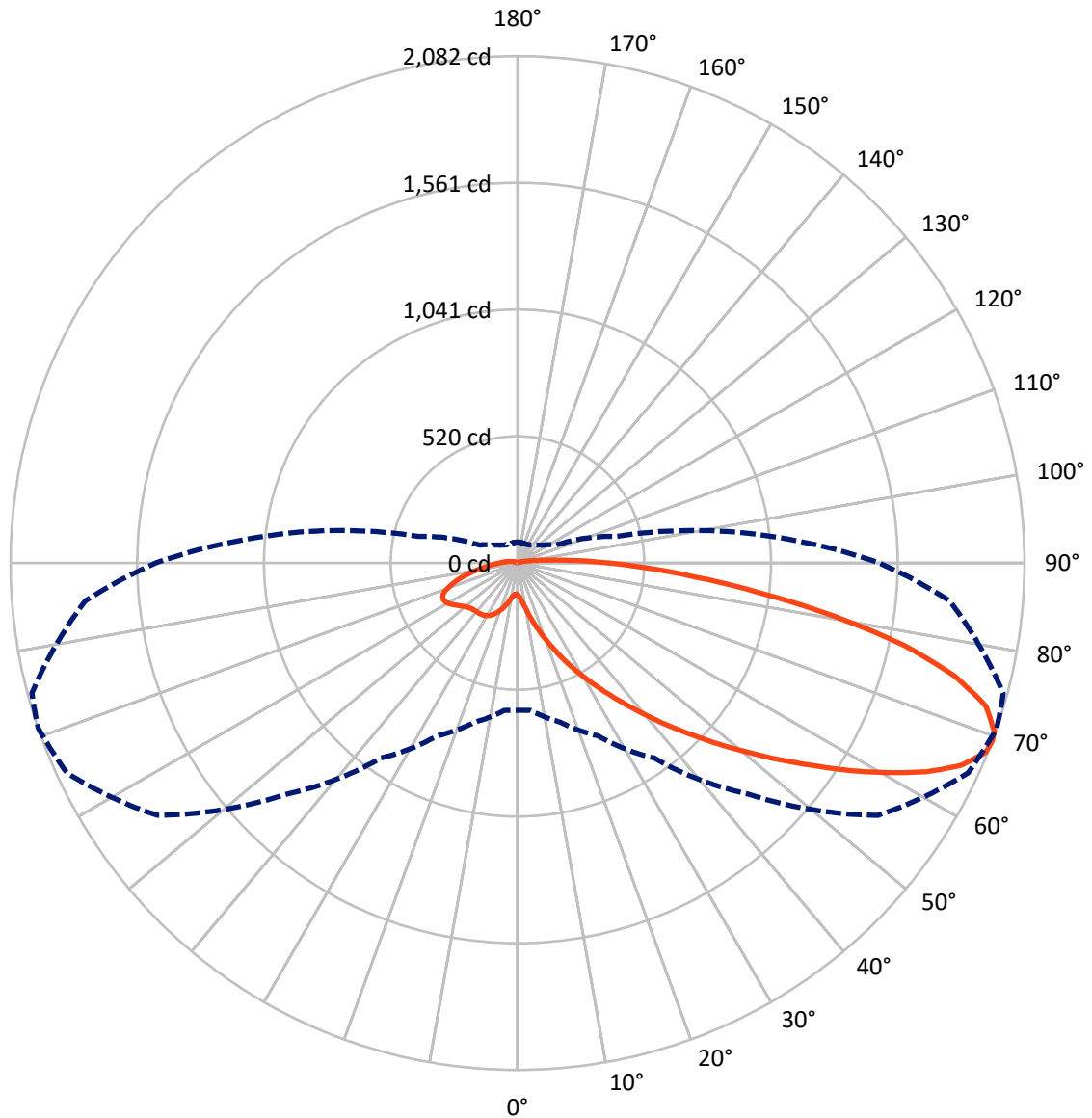


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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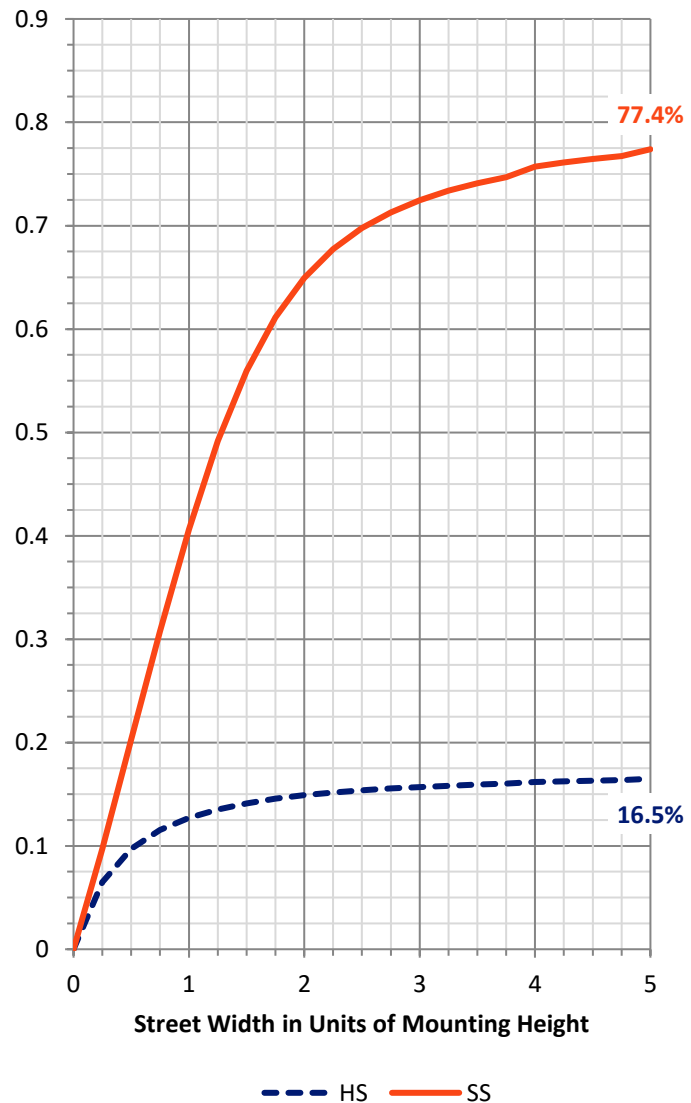
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.8	44.7	645.4
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	2782.5	69.1	2851.6
	% Fixture	79.6	2.0	81.5
Total	Lumens	3383.2	113.8	3497.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.4
10°-20°	56.9	1.6
20°-30°	137.6	3.9
30°-40°	267.8	7.7
40°-50°	458.3	13.1
50°-60°	683.9	19.6
60°-70°	822.4	23.5
70°-80°	658.1	18.8
80°-90°	284.5	8.1
90°-100°	76.4	2.2
100°-110°	23.5	0.7
110°-120°	8.9	0.3
120°-130°	3.3	0.1
130°-140°	1.2	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3383.2	96.7
0°-180°	3497.0	100.0

Coefficient of Utilization



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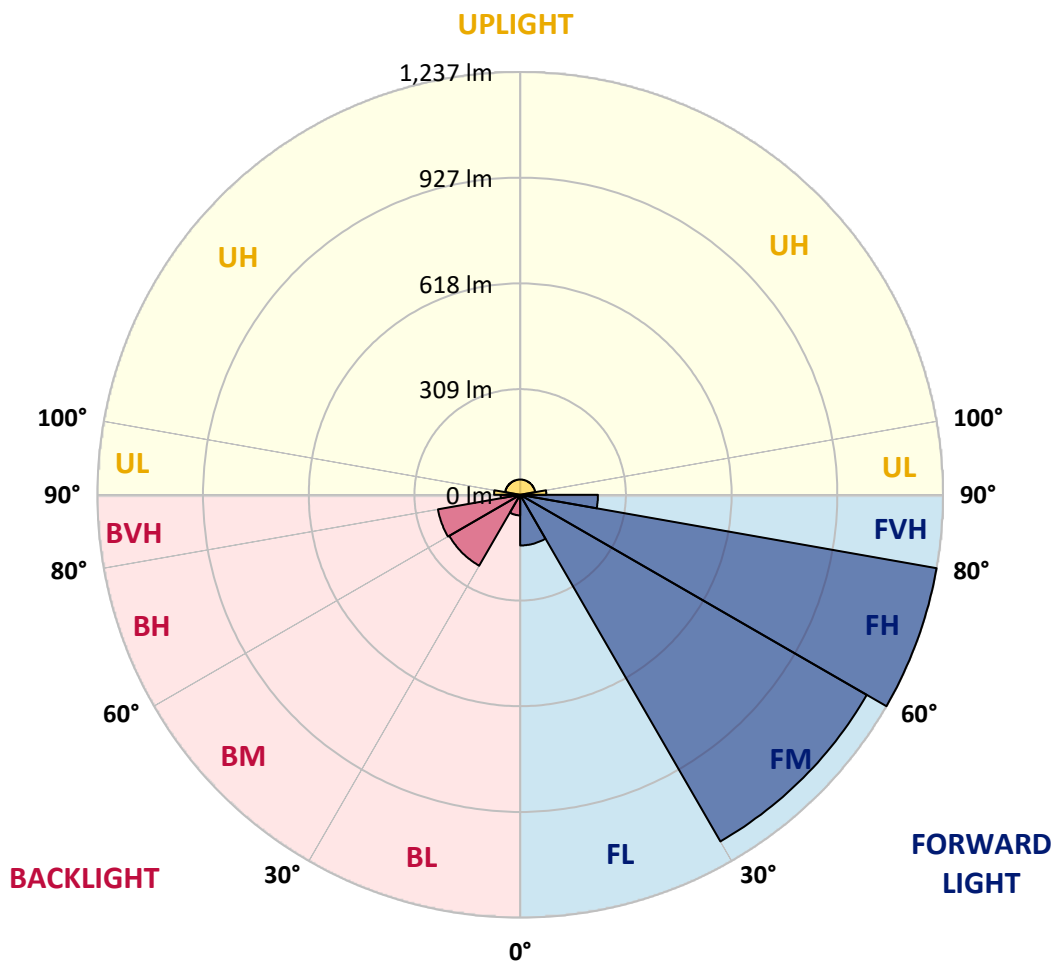
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.1	4.2			
FM (30°-60°)	1170.4	33.5			
FH (60°-80°)	1236.5	35.4			G1/1800
FVH (80°-90°)	227.4	6.5			G3/500
BL (0°-30°)	60.1	1.7	B0/110		
BM (30°-60°)	239.6	6.9	B1/1000		
BH (60°-80°)	244.0	7.0	B1/500		G1/500
BVH (80°-90°)	57.1	1.6			G1/100
UL (90°-100°)	76.4	2.2		U3/500	
UH (100°-180°)	44.7	1.3		U2/50	

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°	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
2.5°	148.6	148.6	148.2	148.6	146.5	145.5	142.9	140.3	138.6	138.1	134.1
5°	166.0	166.0	165.6	165.6	163.0	161.2	157.7	153.4	151.3	149.5	142.9
7.5°	186.0	185.6	185.2	185.6	183.4	179.5	176.4	170.8	168.6	165.2	156.8
10°	210.5	209.7	210.1	208.8	205.3	203.5	200.4	194.4	191.7	189.2	179.5
12.5°	240.0	240.0	239.2	236.7	233.1	232.2	231.0	227.5	223.9	220.4	207.0
15°	273.3	272.4	271.1	267.5	264.6	262.8	264.6	262.3	259.7	255.4	239.7
17.5°	311.2	309.3	307.2	302.9	298.1	299.0	300.7	299.0	295.5	294.1	275.4
20°	352.9	352.6	348.2	340.7	336.3	333.8	338.7	340.7	337.8	336.3	315.0
22.5°	402.6	399.6	393.8	384.7	376.8	372.5	377.7	385.6	384.7	383.0	360.4
25°	460.7	455.8	450.1	434.1	420.9	413.5	420.9	431.8	436.1	434.4	407.9
27.5°	525.5	519.0	509.8	491.2	469.8	454.9	465.4	479.8	490.7	491.6	459.3
30°	596.1	590.5	578.1	550.8	520.7	502.4	510.6	532.4	547.7	548.7	513.3
32.5°	676.8	670.7	646.2	617.0	578.1	552.9	561.3	589.6	607.9	614.0	572.1
35°	763.4	756.9	736.4	690.6	640.5	607.9	617.0	652.3	674.5	683.7	634.9
37.5°	855.8	844.9	821.4	770.3	713.8	671.9	676.2	717.7	748.2	760.0	705.0
40°	946.0	941.7	909.9	850.2	781.7	736.4	740.4	788.7	827.1	840.5	780.0
42.5°	1038.4	1028.4	998.2	928.9	853.6	804.4	814.0	868.4	915.6	930.4	858.4
45°	1126.5	1117.8	1079.4	1005.7	927.3	878.1	891.6	959.1	1007.9	1027.5	947.7
47.5°	1206.2	1194.8	1156.1	1076.3	999.6	955.5	973.0	1053.3	1110.2	1132.9	1048.1
50°	1263.6	1254.6	1214.9	1136.8	1065.8	1037.2	1069.3	1155.6	1220.1	1250.6	1156.8
52.5°	1289.0	1284.5	1246.7	1176.5	1123.4	1118.1	1177.4	1265.8	1339.1	1372.3	1273.3
55°	1279.7	1273.3	1251.9	1195.7	1167.3	1197.0	1290.7	1391.7	1466.8	1502.4	1398.3
57.5°	1228.0	1223.6	1221.9	1186.5	1193.0	1272.4	1402.7	1533.0	1606.6	1635.4	1523.3
60°	1139.9	1137.3	1155.2	1153.5	1199.6	1333.9	1520.8	1682.4	1747.8	1780.9	1645.9
62.5°	1008.7	1014.8	1055.8	1091.1	1178.2	1374.8	1628.8	1818.8	1887.2	1911.2	1740.8
65°	855.4	866.2	921.2	993.0	1129.0	1391.7	1726.5	1937.4	2002.7	2011.5	1801.5
67.5°	685.0	702.5	767.8	867.6	1044.5	1376.2	1787.8	2017.1	2073.7	2062.9	1806.6
69°	604.7	607.1	676.2	783.5	977.4	1342.5	1806.6	2040.6	2081.6	2064.6	1780.9
70°	546.0	549.5	617.9	728.5	927.7	1309.9	1806.2	2046.2	2077.2	2050.7	1756.0
72.5°	404.3	417.4	485.4	599.6	800.0	1197.0	1747.8	2014.9	2011.8	1964.0	1623.1
75°	293.7	304.5	369.9	482.7	673.6	1048.4	1604.5	1885.1	1855.0	1793.6	1420.1
77.5°	209.7	212.7	270.6	379.5	556.1	877.6	1385.2	1653.2	1621.9	1530.0	1163.0
80°	141.7	144.3	191.7	287.2	447.5	721.2	1140.4	1355.3	1313.3	1213.6	882.9
82.5°	91.4	96.3	133.8	210.9	350.3	581.7	900.7	1049.7	1001.8	912.5	649.3
85°	64.0	65.3	92.9	152.5	263.3	450.1	684.1	781.3	731.6	658.0	453.1
87.5°	42.7	43.9	65.3	110.8	191.7	329.4	497.2	554.3	511.6	452.2	302.0
90°	26.9	29.1	45.4	79.0	138.1	230.1	343.8	371.3	340.7	292.4	187.3
92.5°	19.1	20.0	31.8	56.7	98.1	157.7	224.3	235.3	209.1	177.3	113.2
95°	13.0	14.0	23.0	40.6	70.5	106.3	142.9	143.4	122.4	104.7	72.0
97.5°	9.6	10.5	17.4	30.1	50.6	72.8	91.1	86.2	73.7	64.0	50.1
100°	7.8	8.3	14.0	23.0	36.7	51.5	59.6	54.1	47.5	42.7	36.7
102.5°	6.6	6.9	11.8	18.8	27.5	36.7	40.6	36.1	32.2	29.6	27.5
105°	5.7	6.1	10.1	15.7	22.2	26.9	28.7	25.7	23.5	21.7	20.5
107.5°	5.2	5.7	8.8	13.6	18.2	21.7	22.6	19.7	17.4	15.7	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	4.9	5.2	7.8	11.8	15.7	18.2	17.8	15.2	12.7	10.9	10.9
112.5°	4.3	4.9	6.9	10.5	13.6	15.2	14.8	11.3	9.2	7.8	7.8
115°	4.0	4.3	6.1	9.2	11.8	12.7	11.8	8.8	6.6	5.2	6.1
117.5°	3.6	4.0	5.2	7.8	10.1	10.5	9.2	6.6	4.9	4.0	4.3
120°	3.6	3.6	4.9	6.6	8.3	8.8	7.4	4.9	3.6	3.1	3.6
122.5°	3.1	3.6	4.3	5.7	6.9	6.9	5.7	3.6	2.6	2.6	3.1
125°	3.1	3.1	3.6	4.9	5.7	5.7	4.3	2.6	2.2	2.6	3.1
127.5°	2.6	3.1	3.6	4.3	4.9	4.9	3.6	2.2	2.2	2.2	2.6
130°	2.6	2.6	3.1	3.6	4.0	3.6	2.6	1.7	1.7	2.2	2.6
132.5°	2.6	2.6	2.6	3.1	3.6	2.6	1.7	1.7	1.7	1.7	2.6
135°	2.2	2.2	2.2	2.6	2.6	1.7	1.3	1.3	1.7	1.7	2.2
137.5°	1.7	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.3	1.7	2.2
140°	1.3	1.3	1.3	1.3	1.3	0.4	0.9	0.9	1.3	1.3	1.7
142.5°	0.9	0.9	0.9	1.3	0.9	0.4	0.4	0.9	1.3	1.3	1.7
145°	0.4	0.4	0.9	0.9	0.4	0.0	0.4	0.9	0.9	1.3	1.3
147.5°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.9	0.9	1.3
150°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.9	0.9
152.5°	0.0	0.0	0.0	0.0	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	0.4	0.4	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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°	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
2.5°	132.9	131.6	128.5	125.6	122.4	120.3	118.5	118.0	116.8	115.5	115.9
5°	139.9	136.8	131.6	125.0	118.9	113.7	109.9	106.3	104.2	101.5	102.0
7.5°	152.5	147.7	138.6	127.6	117.7	109.4	101.5	97.1	93.8	91.9	91.4
10°	171.7	165.2	149.8	134.1	118.9	106.8	97.1	91.4	88.0	85.9	85.9
12.5°	198.7	189.2	167.4	144.6	123.7	107.2	95.8	90.2	86.7	85.3	85.3
15°	228.3	215.8	186.5	155.5	128.5	108.4	96.3	90.2	87.1	85.9	85.3
17.5°	261.4	244.5	205.3	164.7	132.5	111.1	96.7	90.2	87.1	86.2	85.9
20°	297.2	275.8	224.3	173.5	135.6	111.6	96.3	89.8	87.6	87.1	87.1
22.5°	337.3	309.3	242.7	180.7	137.4	110.2	95.0	89.3	88.0	88.5	88.5
25°	379.2	344.2	260.1	185.2	135.6	107.2	93.8	89.3	88.9	90.2	90.2
27.5°	423.6	379.2	275.4	188.3	132.1	102.9	91.4	89.3	89.8	91.4	91.4
30°	470.2	414.8	288.4	187.8	127.6	99.4	90.2	88.9	90.5	93.2	93.2
32.5°	519.4	451.8	299.3	185.2	122.4	96.7	88.9	89.3	91.9	95.0	95.4
35°	570.0	486.7	308.1	180.0	117.7	94.5	88.9	90.2	93.2	96.7	97.1
37.5°	626.2	526.0	315.9	175.2	114.2	93.8	89.3	90.5	94.1	98.1	99.0
40°	686.8	568.6	321.7	169.2	111.6	94.1	90.2	91.4	94.5	99.0	99.8
42.5°	751.3	612.3	327.7	164.3	109.4	94.5	91.4	91.9	95.0	99.8	100.7
45°	824.5	661.1	334.7	159.9	109.0	96.3	92.3	91.9	94.5	100.7	101.1
47.5°	908.0	722.1	345.0	156.8	109.0	97.6	93.2	91.9	94.1	100.7	101.5
50°	999.6	786.0	357.7	155.9	110.2	99.4	94.1	91.9	93.8	99.0	99.8
52.5°	1096.8	858.4	374.8	156.5	112.0	100.7	95.0	91.4	92.3	96.3	96.7
55°	1204.8	935.6	393.8	159.0	114.7	102.3	95.4	90.5	90.5	93.2	93.2
57.5°	1310.7	1015.8	414.8	162.1	118.0	104.2	95.4	89.8	89.3	91.1	91.1
60°	1408.8	1082.8	435.3	166.0	121.1	105.0	95.0	88.9	88.0	89.3	89.8
62.5°	1490.6	1137.3	448.0	170.4	123.7	105.5	94.1	88.0	87.1	88.5	88.5
65°	1526.4	1163.5	450.6	173.5	126.4	105.0	92.9	86.7	86.2	87.1	87.6
67.5°	1520.3	1148.7	438.0	173.8	127.2	104.7	91.4	85.3	85.3	86.2	86.2
69°	1485.4	1116.9	421.8	173.1	127.2	103.2	90.2	84.5	85.0	85.9	85.9
70°	1452.4	1082.8	406.2	170.8	126.8	102.3	88.9	83.6	84.5	85.3	85.3
72.5°	1325.1	971.7	364.7	163.9	123.2	99.4	86.2	81.0	82.9	84.5	84.1
75°	1140.8	823.9	315.9	152.9	117.7	95.0	82.9	78.1	80.6	82.9	82.4
77.5°	918.1	658.8	264.9	140.3	110.8	89.3	78.4	74.5	77.6	80.2	79.7
80°	698.5	505.9	215.2	126.4	101.5	83.3	73.7	70.2	74.1	76.3	75.8
82.5°	510.6	369.9	169.2	112.4	92.9	76.6	68.0	65.3	69.3	71.4	70.5
85°	354.2	258.4	130.8	97.1	83.3	69.3	61.9	60.1	63.6	65.3	64.5
87.5°	234.0	174.4	101.1	84.1	74.1	62.3	56.2	54.4	57.9	58.7	58.4
90°	148.6	116.8	80.2	72.4	65.3	55.3	50.1	49.2	51.8	52.3	50.9
92.5°	95.0	80.2	64.9	62.3	57.1	49.2	44.8	43.6	45.8	45.8	44.5
95°	65.8	59.6	53.2	53.5	49.6	43.2	39.3	38.7	39.6	38.7	38.4
97.5°	47.5	45.4	43.9	45.8	43.2	37.5	34.5	33.5	34.0	32.7	32.2
100°	36.1	35.8	36.7	38.4	36.7	32.2	29.6	29.1	28.7	26.6	26.6
102.5°	27.8	27.8	30.1	32.7	30.9	27.5	25.7	24.9	23.5	21.4	20.9
105°	21.4	21.7	24.9	26.9	26.1	23.0	21.7	20.5	18.8	16.6	16.6
107.5°	16.1	17.0	20.0	22.2	21.4	19.1	17.8	16.6	14.8	12.7	13.0



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CATALOG NUMBER: LXF.LXT-AF24-40-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.1	13.0	16.1	17.8	17.4	16.1	14.8	13.6	11.3	9.6	10.1
112.5°	9.2	10.1	12.7	14.5	14.5	13.0	11.8	10.5	8.3	7.4	7.4
115°	6.9	7.8	10.1	11.3	11.3	10.1	9.2	7.8	6.1	5.7	5.7
117.5°	5.2	6.1	7.8	9.2	8.8	7.8	6.9	6.1	4.9	4.3	4.3
120°	4.3	4.9	6.1	6.9	6.6	6.1	5.2	4.3	3.6	3.6	3.6
122.5°	3.6	4.0	4.9	5.2	4.9	4.3	4.0	3.1	2.6	2.6	2.6
125°	3.1	3.6	4.0	4.0	3.6	3.1	2.6	2.2	1.7	2.2	2.2
127.5°	3.1	3.1	3.6	3.1	2.6	2.2	1.7	1.3	1.3	1.7	1.7
130°	2.6	3.1	3.1	2.6	2.2	1.3	1.3	0.9	0.9	1.3	1.3
132.5°	2.6	2.6	2.6	2.2	1.7	0.9	0.4	0.4	0.9	0.9	0.9
135°	2.2	2.6	2.2	1.7	1.3	0.9	0.0	0.4	0.4	0.4	0.4
137.5°	2.2	2.2	2.2	1.7	0.9	0.4	0.0	0.0	0.4	0.0	0.0
140°	1.7	1.7	1.7	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	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)