

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: P266033

Luminaire Tested: **LXF.LXT-AF24-30-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266033
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-AF24-30-D-U-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 2700 lumens
Efficiency: N/A
Efficacy: 87.1 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 - 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

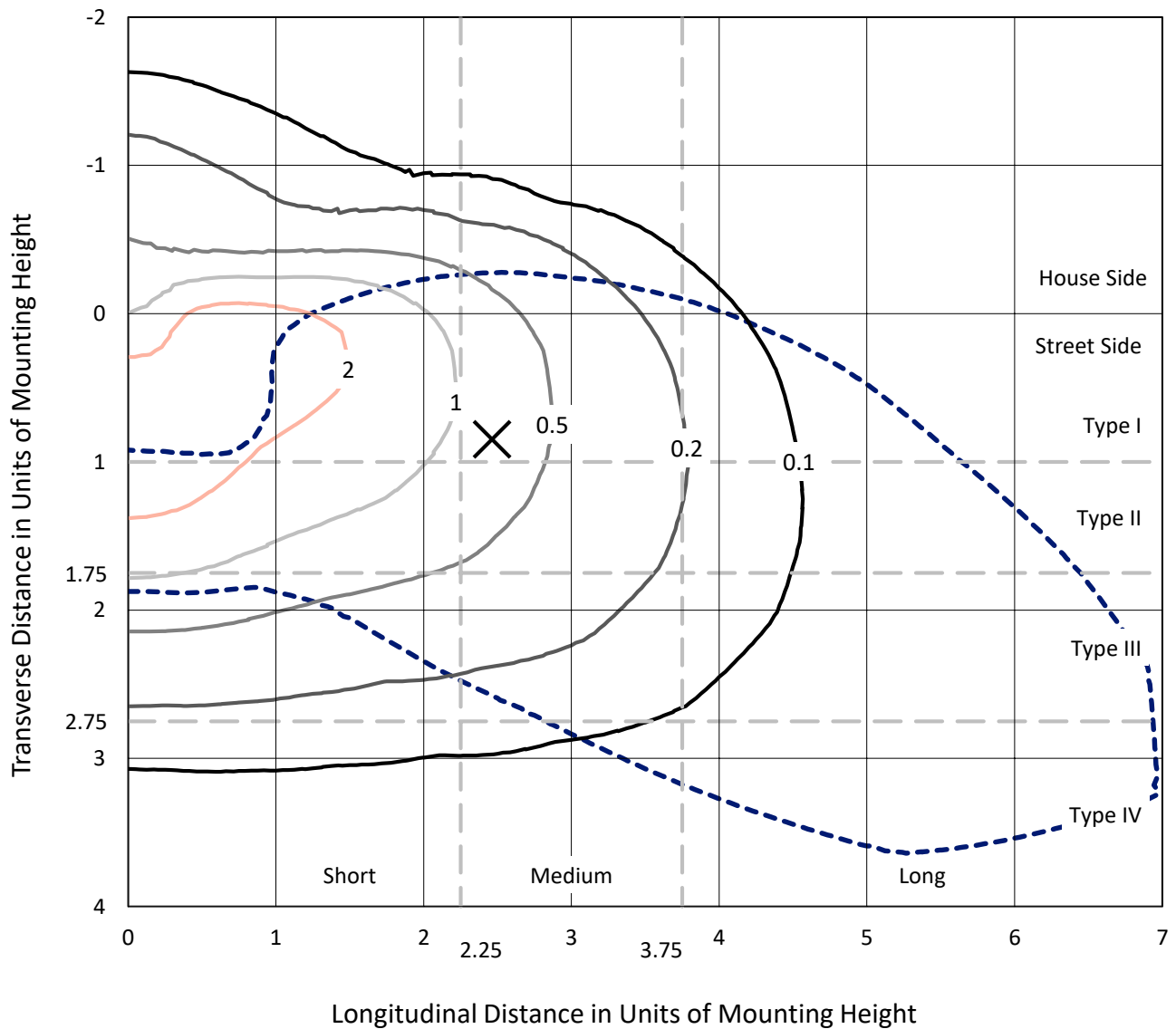


REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

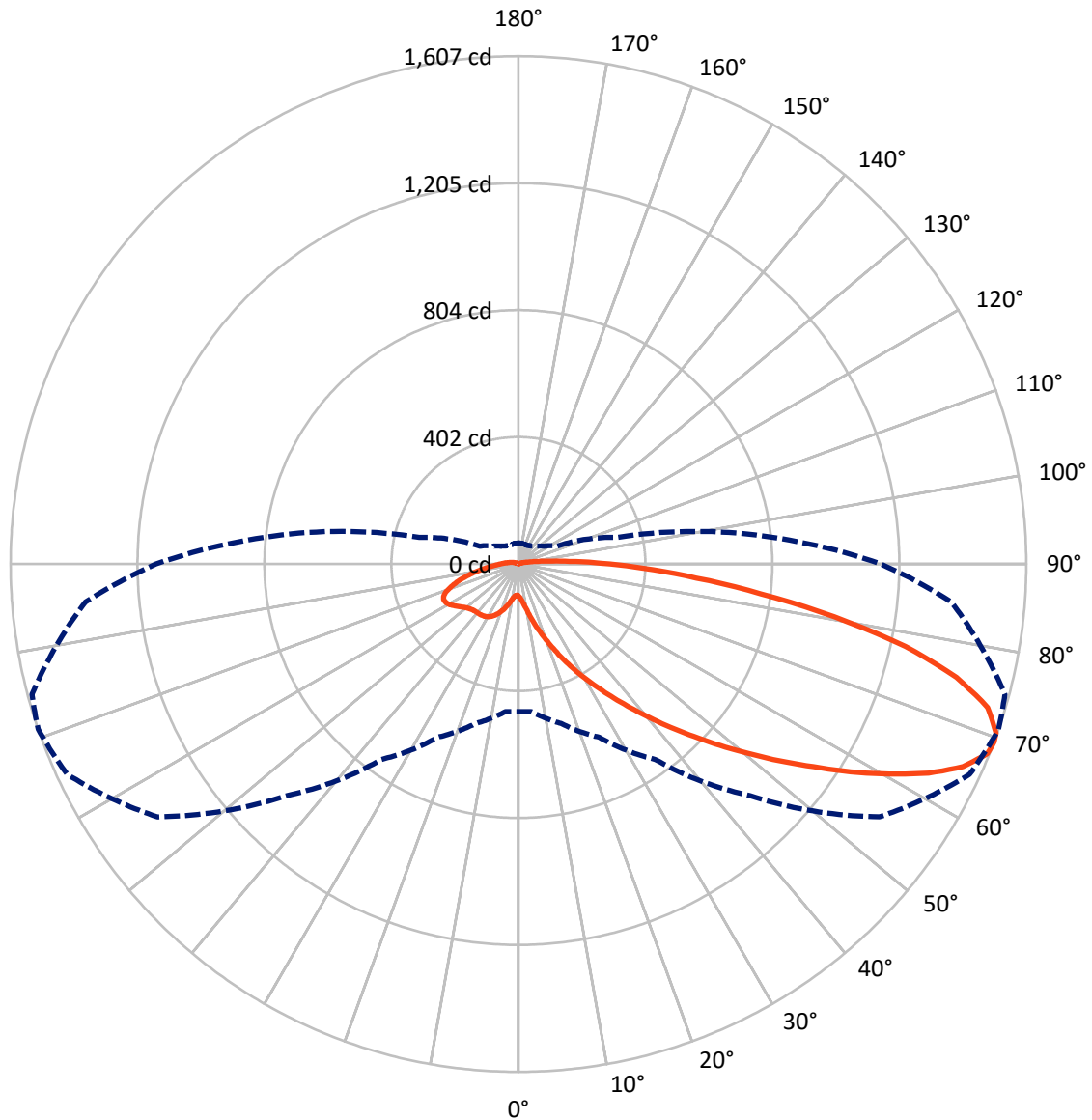


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

Luminous Intensity Polar Plot



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



REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

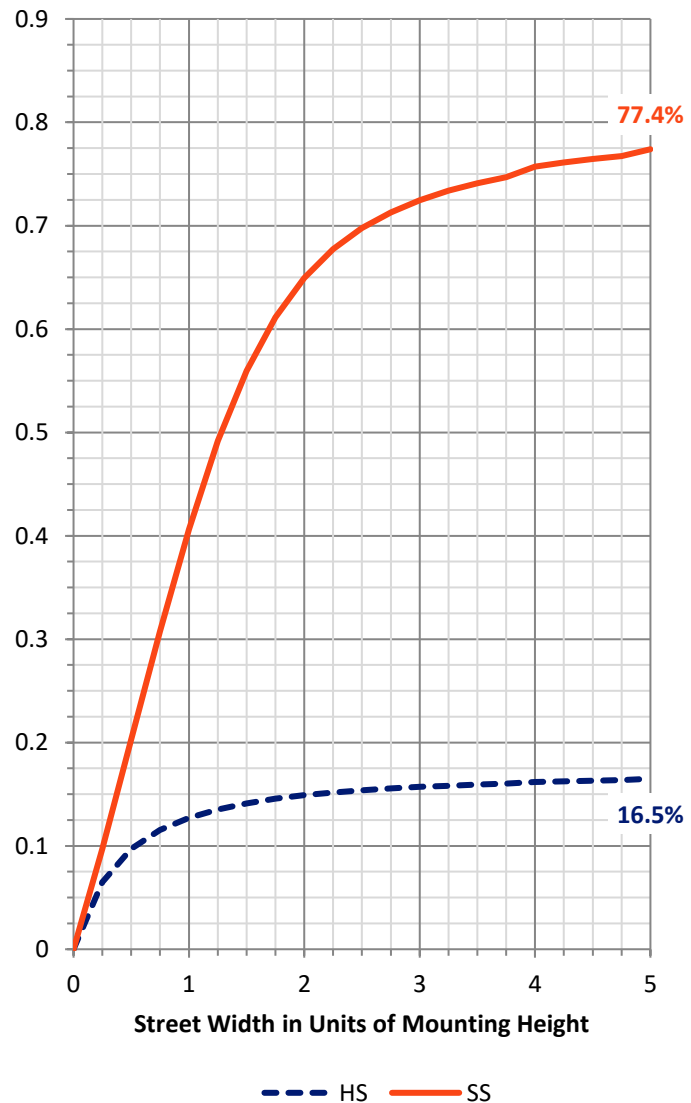
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	463.9	34.5	498.3
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	2148.4	53.3	2201.7
	% Fixture	79.6	2.0	81.5
Total	Lumens	2612.2	87.8	2700.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.4
10°-20°	44.0	1.6
20°-30°	106.2	3.9
30°-40°	206.8	7.7
40°-50°	353.9	13.1
50°-60°	528.1	19.6
60°-70°	635.0	23.5
70°-80°	508.1	18.8
80°-90°	219.6	8.1
90°-100°	59.0	2.2
100°-110°	18.1	0.7
110°-120°	6.9	0.3
120°-130°	2.5	0.1
130°-140°	0.9	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2612.2	96.7
0°-180°	2700.0	100.0

Coefficient of Utilization



REPORT NUMBER: P266033

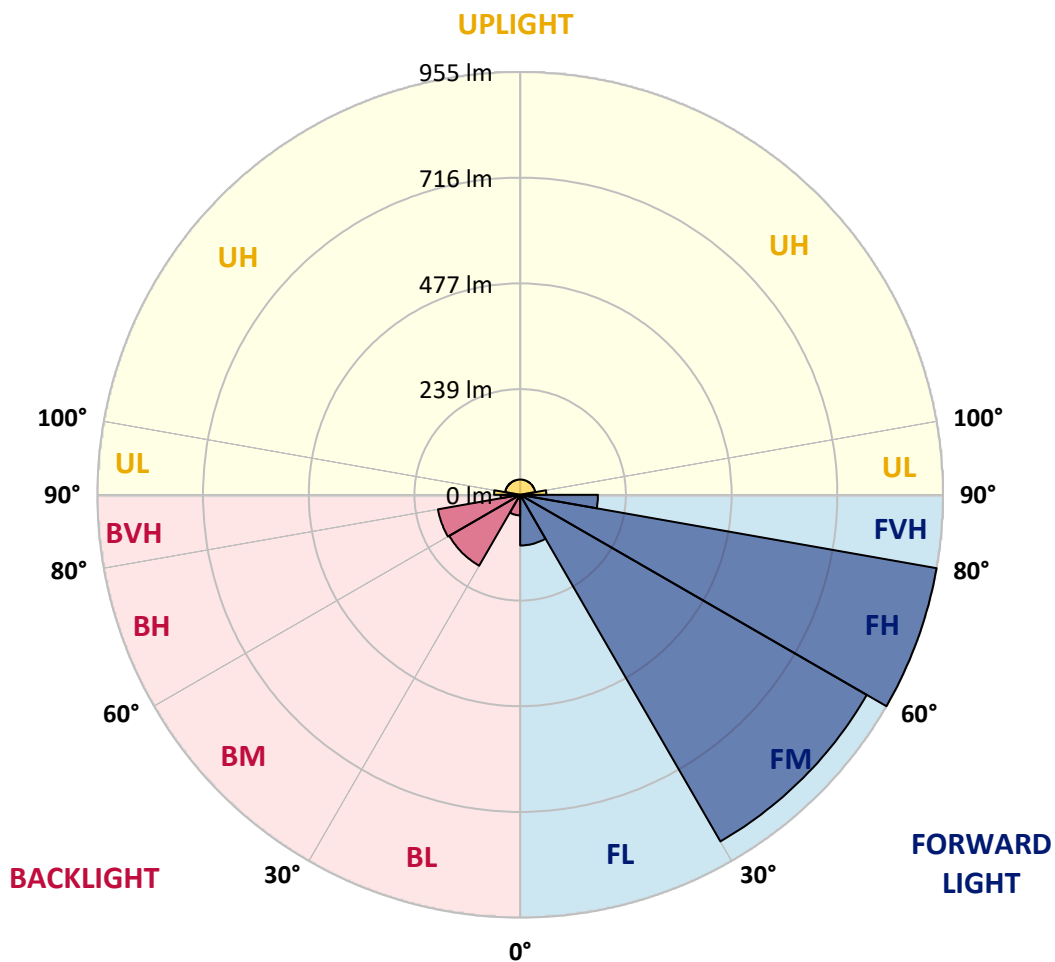
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.4	4.2			
FM (30°-60°)	903.7	33.5			
FH (60°-80°)	954.7	35.4			G1/1800
FVH (80°-90°)	175.6	6.5			G2/225
BL (0°-30°)	46.4	1.7	B0/110		
BM (30°-60°)	185.0	6.9	B0/220		
BH (60°-80°)	188.4	7.0	B1/500		G1/500
BVH (80°-90°)	44.1	1.6			G1/100
UL (90°-100°)	59.0	2.2		U3/500	
UH (100°-180°)	34.5	1.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
2.5°	114.8	114.8	114.4	114.8	113.0	112.4	110.3	108.3	107.0	106.7	103.7
5°	128.2	128.2	127.9	127.9	125.9	124.4	121.8	118.4	116.7	115.4	110.3
7.5°	143.6	143.3	143.0	143.3	141.7	138.6	136.3	132.0	130.3	127.5	121.1
10°	162.6	161.9	162.1	161.2	158.6	157.2	154.8	150.0	148.0	146.1	138.6
12.5°	185.4	185.4	184.7	182.6	180.0	179.3	178.4	175.6	173.0	170.3	159.8
15°	210.9	210.3	209.2	206.6	204.3	202.8	204.3	202.6	200.5	197.2	185.1
17.5°	240.2	238.9	237.2	233.7	230.1	230.9	232.1	230.9	228.1	227.1	212.5
20°	272.5	272.1	268.9	263.2	259.7	257.8	261.3	263.2	260.8	259.7	243.3
22.5°	310.9	308.5	304.2	297.1	291.1	287.6	291.7	297.8	297.1	295.7	278.3
25°	355.5	352.0	347.6	335.1	324.9	319.3	324.9	333.5	336.8	335.4	314.9
27.5°	405.8	400.7	393.6	379.2	362.6	351.2	359.3	370.5	378.8	379.5	354.7
30°	460.2	455.9	446.5	425.3	402.0	387.9	394.4	411.2	422.9	423.6	396.3
32.5°	522.5	517.9	499.0	476.5	446.5	427.0	433.3	455.3	469.4	474.0	441.7
35°	589.5	584.3	568.5	533.2	494.5	469.4	476.5	503.7	520.7	527.8	490.1
37.5°	660.8	652.3	634.3	594.9	551.1	518.9	522.2	554.2	577.7	586.8	544.4
40°	730.4	727.1	702.5	656.4	603.7	568.5	571.6	609.1	638.5	648.9	602.3
42.5°	801.7	794.0	770.7	717.2	659.0	621.1	628.5	670.6	706.8	718.4	662.8
45°	869.6	863.0	833.4	776.6	715.9	678.0	688.5	740.6	778.2	793.4	731.8
47.5°	931.3	922.5	892.6	831.0	771.9	737.8	751.3	813.1	857.3	874.8	809.2
50°	975.6	968.6	938.0	877.7	822.9	800.7	825.6	892.2	942.1	965.6	893.3
52.5°	995.2	991.8	962.5	908.4	867.4	863.4	909.1	977.4	1033.9	1059.5	983.0
55°	988.1	983.0	966.5	923.2	901.3	924.1	996.5	1074.6	1132.5	1160.0	1079.7
57.5°	948.2	944.7	943.4	916.1	921.2	982.4	1082.9	1183.5	1240.5	1262.7	1176.2
60°	880.1	878.2	891.8	890.6	926.2	1029.8	1174.2	1298.9	1349.4	1375.0	1270.7
62.5°	778.9	783.6	815.2	842.4	909.8	1061.4	1257.6	1404.3	1457.1	1475.6	1344.1
65°	660.4	668.9	711.3	766.8	871.7	1074.6	1332.9	1495.8	1546.3	1553.0	1390.8
67.5°	528.9	542.3	592.8	669.9	806.5	1062.4	1380.4	1557.4	1601.0	1592.8	1394.9
69°	466.9	468.6	522.2	604.9	754.7	1036.6	1394.9	1575.5	1607.2	1594.0	1375.0
70°	421.6	424.3	477.1	562.5	716.3	1011.3	1394.6	1579.8	1603.8	1583.4	1355.8
72.5°	312.3	322.3	374.9	462.9	617.8	924.1	1349.4	1555.8	1553.3	1516.3	1253.2
75°	226.7	235.1	285.7	372.7	520.2	809.6	1238.9	1455.4	1432.3	1384.7	1096.6
77.5°	161.9	164.2	208.9	293.0	429.3	677.6	1069.5	1276.4	1252.2	1181.2	897.9
80°	109.4	111.4	148.0	221.7	345.5	556.8	880.5	1046.3	1014.0	937.0	681.6
82.5°	70.6	74.4	103.2	162.9	270.5	449.2	695.4	810.5	773.5	704.5	501.3
85°	49.4	50.5	71.7	117.8	203.1	347.6	528.3	603.2	564.9	508.0	349.9
87.5°	33.0	34.0	50.5	85.5	148.0	254.4	383.8	428.0	395.0	349.3	233.2
90°	20.9	22.5	35.0	60.8	106.7	177.7	265.4	286.6	263.2	225.7	144.6
92.5°	14.8	15.5	24.6	43.7	75.6	121.8	173.3	181.6	161.4	136.9	87.5
95°	10.2	10.8	17.8	31.4	54.4	82.0	110.3	110.8	94.5	80.8	55.5
97.5°	7.4	8.1	13.5	23.3	39.0	56.1	70.2	66.7	56.9	49.4	38.6
100°	6.1	6.4	10.8	17.8	28.2	39.6	46.2	41.7	36.7	33.0	28.2
102.5°	5.0	5.4	9.2	14.5	21.2	28.2	31.4	27.9	25.0	22.8	21.2
105°	4.4	4.8	7.7	12.0	17.2	20.9	22.2	19.9	18.1	16.8	15.8
107.5°	4.0	4.4	6.7	10.4	14.2	16.8	17.4	15.1	13.5	12.0	11.5



REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	3.8	4.0	6.1	9.2	12.0	14.2	13.8	11.8	9.7	8.4	8.4
112.5°	3.4	3.8	5.4	8.1	10.4	11.8	11.5	8.8	7.0	6.1	6.1
115°	3.1	3.4	4.8	7.0	9.2	9.7	9.2	6.7	5.0	4.0	4.8
117.5°	2.6	3.1	4.0	6.1	7.7	8.1	7.0	5.0	3.8	3.1	3.4
120°	2.6	2.6	3.8	5.0	6.4	6.7	5.7	3.8	2.6	2.3	2.6
122.5°	2.3	2.6	3.4	4.4	5.4	5.4	4.4	2.6	2.1	2.1	2.3
125°	2.3	2.3	2.6	3.8	4.4	4.4	3.4	2.1	1.6	2.1	2.3
127.5°	2.1	2.3	2.6	3.4	3.8	3.8	2.6	1.6	1.6	1.6	2.1
130°	2.1	2.1	2.3	2.6	3.1	2.6	2.1	1.3	1.3	1.6	2.1
132.5°	2.1	2.1	2.1	2.3	2.6	2.1	1.3	1.3	1.3	1.3	2.1
135°	1.6	1.6	1.6	2.1	2.1	1.3	1.0	1.0	1.3	1.3	1.6
137.5°	1.3	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.0	1.3	1.6
140°	1.0	1.0	1.0	1.0	1.0	0.3	0.7	0.7	1.0	1.0	1.3
142.5°	0.7	0.7	0.7	1.0	0.7	0.3	0.3	0.7	1.0	1.0	1.3
145°	0.3	0.3	0.7	0.7	0.3	0.0	0.3	0.7	0.7	1.0	1.0
147.5°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.7	0.7	1.0
150°	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.7	0.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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



REPORT NUMBER: P266033

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
2.5°	102.6	101.6	99.3	96.8	94.5	92.9	91.4	91.2	90.2	89.1	89.6
5°	107.9	105.6	101.6	96.6	91.8	87.9	84.8	82.0	80.4	78.4	78.7
7.5°	117.8	114.1	107.0	98.5	90.9	84.4	78.4	75.0	72.4	71.0	70.6
10°	132.6	127.5	115.7	103.7	91.8	82.5	75.0	70.6	67.9	66.3	66.3
12.5°	153.4	146.1	129.1	111.7	95.6	82.7	74.0	69.7	67.0	65.9	65.9
15°	176.2	166.5	144.0	120.2	99.3	83.8	74.4	69.7	67.4	66.3	65.9
17.5°	201.8	188.7	158.6	127.2	102.2	85.8	74.6	69.7	67.4	66.7	66.3
20°	229.4	213.0	173.3	133.8	104.7	86.1	74.4	69.3	67.6	67.4	67.4
22.5°	260.4	238.9	187.3	139.6	106.0	85.1	73.3	69.0	67.9	68.4	68.4
25°	292.7	265.8	200.9	143.0	104.7	82.7	72.4	69.0	68.6	69.7	69.7
27.5°	327.1	292.7	212.5	145.3	102.0	79.4	70.6	69.0	69.3	70.6	70.6
30°	363.1	320.2	222.7	144.9	98.5	76.7	69.7	68.6	70.0	72.0	72.0
32.5°	401.1	348.9	231.1	143.0	94.5	74.6	68.6	69.0	71.0	73.3	73.8
35°	440.1	375.9	238.0	139.0	90.9	73.0	68.6	69.7	72.0	74.6	75.0
37.5°	483.5	406.0	243.9	135.3	88.2	72.4	69.0	70.0	72.7	75.6	76.4
40°	530.2	439.0	248.3	130.6	86.1	72.7	69.7	70.6	73.0	76.4	77.1
42.5°	580.0	472.7	253.1	126.8	84.4	73.0	70.6	71.0	73.3	77.1	77.8
45°	636.5	510.3	258.4	123.4	84.1	74.4	71.3	71.0	73.0	77.8	78.1
47.5°	701.1	557.5	266.4	121.1	84.1	75.4	72.0	71.0	72.7	77.8	78.4
50°	771.9	607.0	276.1	120.5	85.1	76.7	72.7	71.0	72.4	76.4	77.1
52.5°	846.8	662.8	289.3	120.8	86.4	77.8	73.3	70.6	71.3	74.4	74.6
55°	930.3	722.3	304.2	122.8	88.6	79.1	73.8	70.0	70.0	72.0	72.0
57.5°	1012.0	784.2	320.2	125.1	91.2	80.4	73.8	69.3	69.0	70.2	70.2
60°	1087.7	836.1	336.1	128.2	93.6	81.0	73.3	68.6	67.9	69.0	69.3
62.5°	1151.0	878.2	345.8	131.5	95.6	81.4	72.7	67.9	67.4	68.4	68.4
65°	1178.5	898.3	347.9	133.8	97.6	81.0	71.7	67.0	66.7	67.4	67.6
67.5°	1173.8	886.8	338.1	134.2	98.3	80.8	70.6	65.9	65.9	66.7	66.7
69°	1147.0	862.4	325.6	133.6	98.3	79.7	69.7	65.2	65.5	66.3	66.3
70°	1121.4	836.1	313.6	132.0	97.9	79.1	68.6	64.6	65.2	65.9	65.9
72.5°	1023.1	750.3	281.6	126.5	95.2	76.7	66.7	62.6	63.9	65.2	64.9
75°	880.8	636.2	243.9	118.0	90.9	73.3	63.9	60.2	62.3	63.9	63.6
77.5°	708.9	508.7	204.5	108.3	85.5	69.0	60.5	57.5	59.8	62.0	61.5
80°	539.3	390.7	166.1	97.6	78.4	64.3	56.9	54.2	57.2	58.8	58.5
82.5°	394.4	285.7	130.6	86.7	71.7	59.2	52.6	50.5	53.4	55.2	54.4
85°	273.5	199.6	100.9	75.0	64.3	53.4	47.8	46.4	49.0	50.5	49.8
87.5°	180.6	134.6	78.1	64.9	57.2	48.1	43.4	42.0	44.7	45.5	45.0
90°	114.8	90.2	62.0	55.9	50.5	42.7	38.6	38.0	40.1	40.3	39.3
92.5°	73.3	62.0	50.1	48.1	44.0	38.0	34.7	33.6	35.4	35.4	34.3
95°	50.8	46.2	41.1	41.4	38.4	33.2	30.4	30.0	30.6	30.0	29.6
97.5°	36.7	35.0	34.0	35.4	33.2	28.9	26.6	26.0	26.2	25.2	25.0
100°	27.9	27.6	28.2	29.6	28.2	25.0	22.8	22.5	22.2	20.5	20.5
102.5°	21.5	21.5	23.3	25.2	23.9	21.2	19.9	19.1	18.1	16.4	16.2
105°	16.4	16.8	19.1	20.9	20.2	17.8	16.8	15.8	14.5	12.8	12.8
107.5°	12.4	13.1	15.5	17.2	16.4	14.8	13.8	12.8	11.5	9.7	10.2



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CATALOG NUMBER: LXF.LXT-AF24-30-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.4	10.2	12.4	13.8	13.5	12.4	11.5	10.4	8.8	7.4	7.7
112.5°	7.0	7.7	9.7	11.0	11.0	10.2	9.2	8.1	6.4	5.7	5.7
115°	5.4	6.1	7.7	8.8	8.8	7.7	7.0	6.1	4.8	4.4	4.4
117.5°	4.0	4.8	6.1	7.0	6.7	6.1	5.4	4.8	3.8	3.4	3.4
120°	3.4	3.8	4.8	5.4	5.0	4.8	4.0	3.4	2.6	2.6	2.6
122.5°	2.6	3.1	3.8	4.0	3.8	3.4	3.1	2.3	2.1	2.1	2.1
125°	2.3	2.6	3.1	3.1	2.6	2.3	2.1	1.6	1.3	1.6	1.6
127.5°	2.3	2.3	2.6	2.3	2.1	1.6	1.3	1.0	1.0	1.3	1.3
130°	2.1	2.3	2.3	2.1	1.6	1.0	1.0	0.7	0.7	1.0	1.0
132.5°	2.1	2.1	2.1	1.6	1.3	0.7	0.3	0.3	0.7	0.7	0.7
135°	1.6	2.1	1.6	1.3	1.0	0.7	0.0	0.3	0.3	0.3	0.3
137.5°	1.6	1.6	1.6	1.3	0.7	0.3	0.0	0.0	0.3	0.0	0.0
140°	1.3	1.3	1.3	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	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)