

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: P255219

Luminaire Tested: **LXF.LXT-AF24-20-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255219
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-AF24-20-D-U-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 2141.4 lumens
Efficiency: N/A
Efficacy: 102.0 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 - U2 - G2

Input Watts (W): 21
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

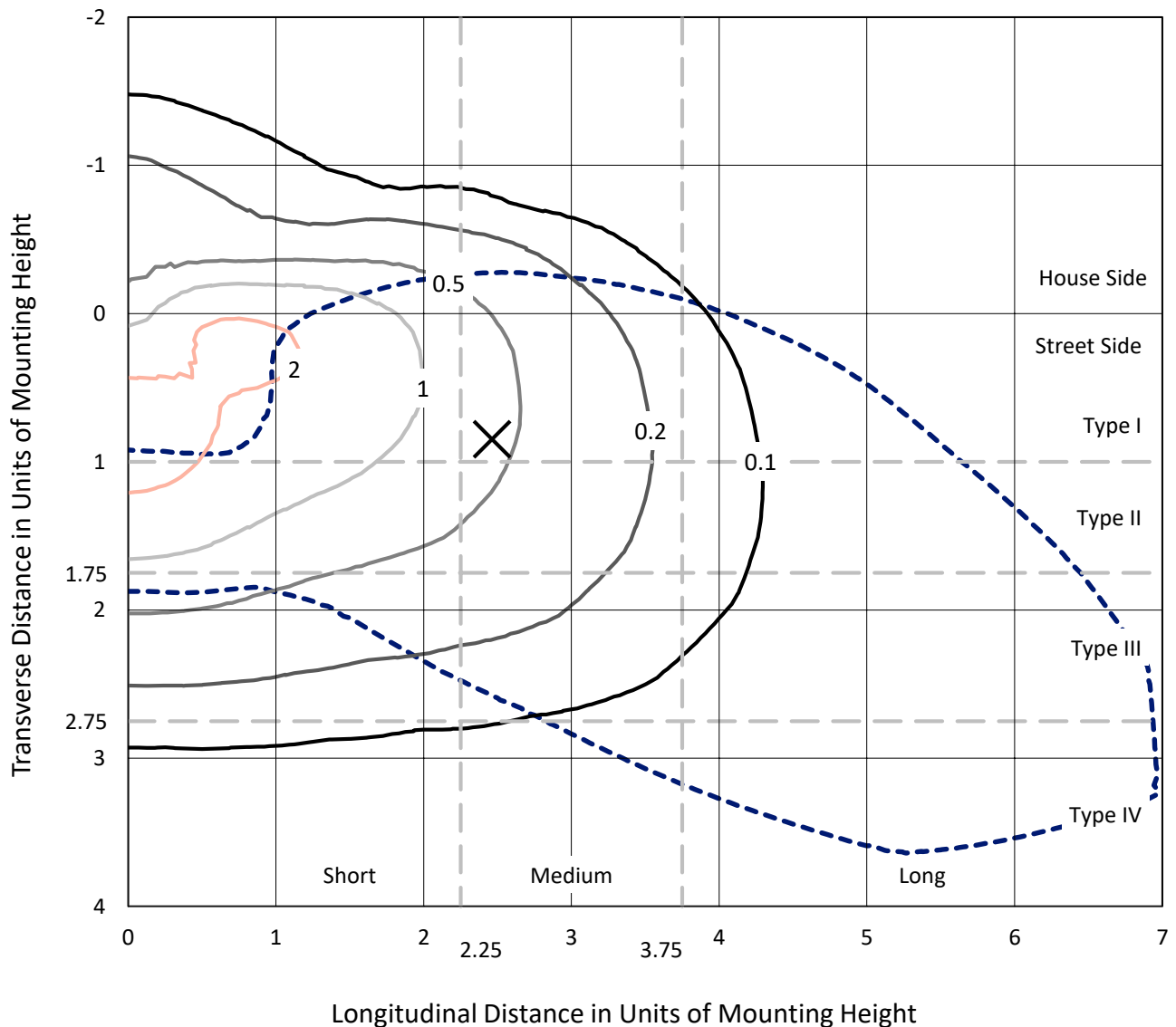


REPORT NUMBER: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

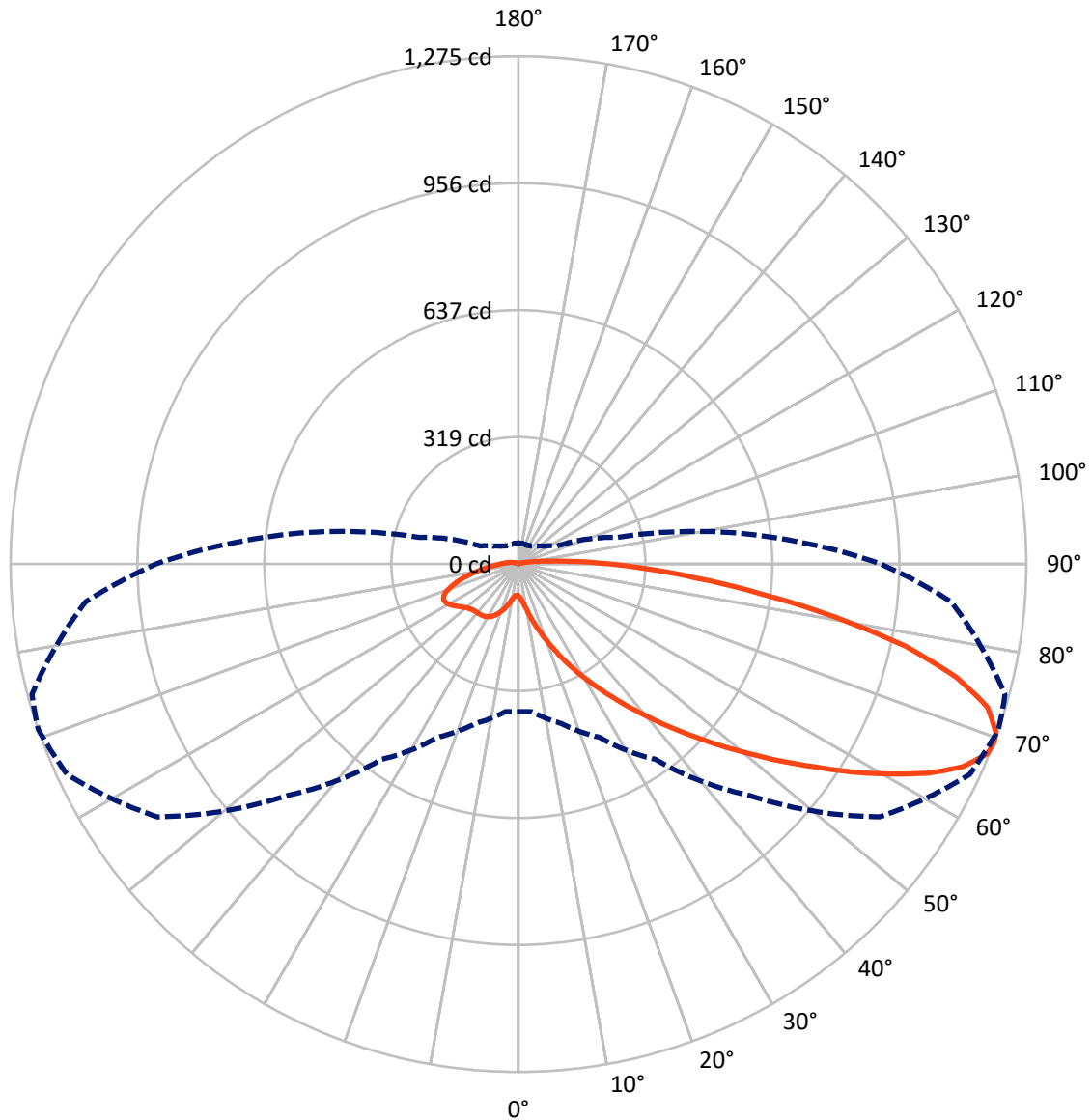


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

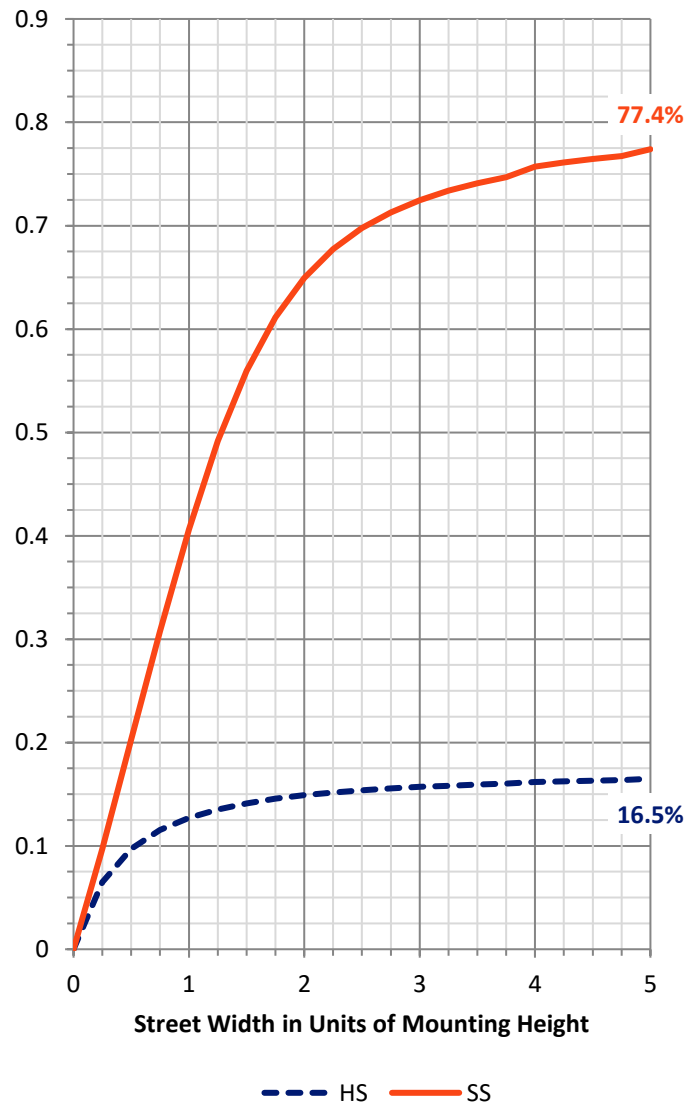
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	367.9	27.3	395.2
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	1703.9	42.3	1746.2
	% Fixture	79.6	2.0	81.5
Total	Lumens	2071.8	69.6	2141.4
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.4
10°-20°	34.9	1.6
20°-30°	84.2	3.9
30°-40°	164.0	7.7
40°-50°	280.7	13.1
50°-60°	418.8	19.6
60°-70°	503.6	23.5
70°-80°	403.0	18.8
80°-90°	174.2	8.1
90°-100°	46.8	2.2
100°-110°	14.4	0.7
110°-120°	5.5	0.3
120°-130°	2.0	0.1
130°-140°	0.8	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2071.8	96.7
0°-180°	2141.4	100.0

Coefficient of Utilization



REPORT NUMBER: P255219

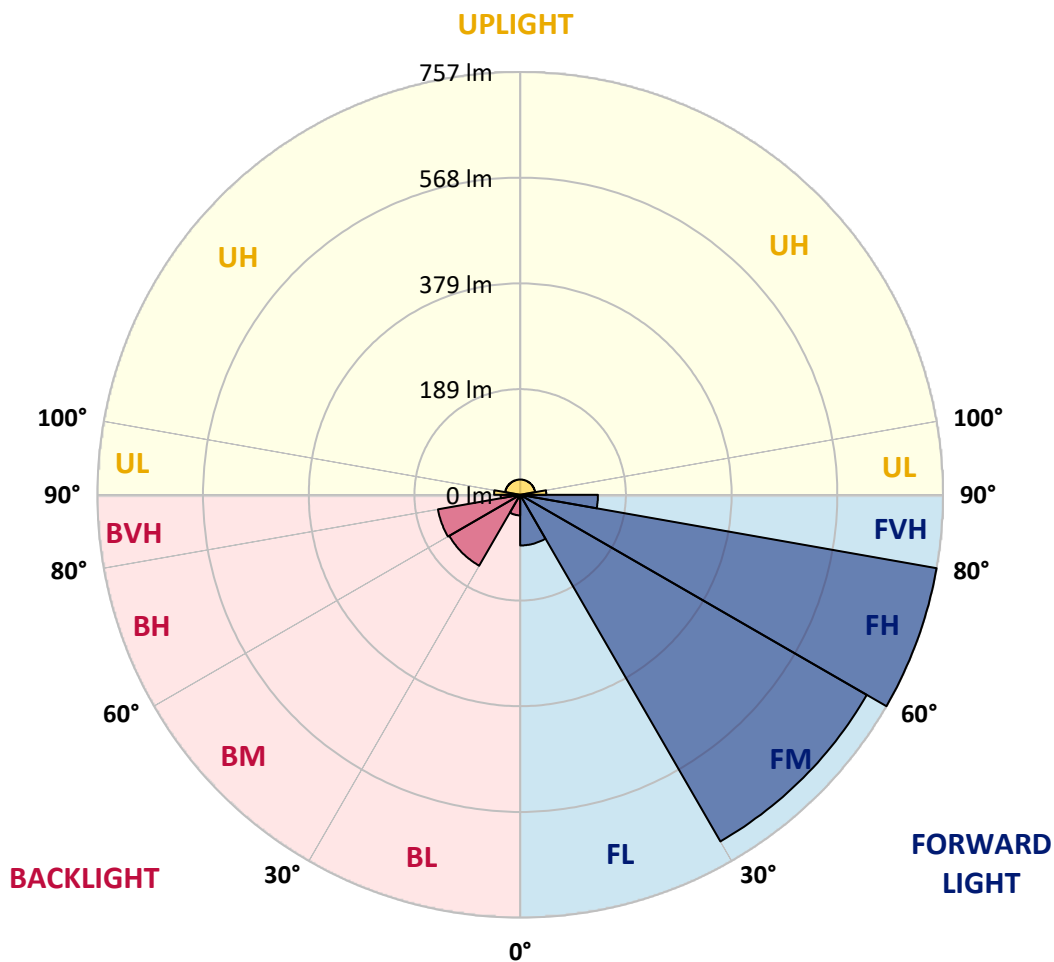
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.7	4.2			
FM	(30°-60°)	716.7	33.5			
FH	(60°-80°)	757.2	35.4			G1/1800
FVH	(80°-90°)	139.3	6.5			G2/225
BL	(0°-30°)	36.8	1.7	B0/110		
BM	(30°-60°)	146.7	6.9	B0/220		
BH	(60°-80°)	149.4	7.0	B1/500		G1/500
BVH	(80°-90°)	34.9	1.6			G1/100
UL	(90°-100°)	46.8	2.2		U2/50	
UH	(100°-180°)	27.3	1.3		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





REPORT NUMBER: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	91.0	91.0	90.6	91.0	89.7	89.1	87.5	85.9	84.9	84.5	82.2
5°	101.7	101.7	101.4	101.4	99.8	98.8	96.5	94.0	92.6	91.6	87.5
7.5°	113.9	113.6	113.4	113.6	112.3	110.0	108.0	104.6	103.2	101.2	96.0
10°	128.9	128.4	128.6	127.9	125.6	124.7	122.7	119.0	117.5	115.9	110.0
12.5°	147.1	147.1	146.5	144.9	142.8	142.2	141.4	139.3	137.1	135.1	126.7
15°	167.2	166.7	166.0	163.9	161.9	160.9	161.9	160.6	159.1	156.3	146.7
17.5°	190.5	189.4	188.2	185.4	182.6	183.0	184.1	183.0	181.0	180.2	168.7
20°	216.2	215.9	213.2	208.6	206.0	204.5	207.4	208.6	206.8	206.0	193.0
22.5°	246.6	244.7	241.3	235.7	230.9	228.2	231.3	236.1	235.7	234.6	220.7
25°	282.0	279.1	275.7	265.8	257.8	253.3	257.8	264.4	267.1	266.0	249.7
27.5°	321.8	317.8	312.2	300.7	287.7	278.6	284.9	293.8	300.5	301.0	281.3
30°	365.0	361.5	354.1	337.3	318.9	307.7	312.7	326.0	335.4	336.0	314.3
32.5°	414.4	410.7	395.7	377.8	354.1	338.6	343.7	361.0	372.2	376.0	350.4
35°	467.5	463.5	450.9	423.0	392.2	372.2	377.8	399.5	413.1	418.7	388.8
37.5°	524.1	517.5	503.0	471.8	437.0	411.5	414.1	439.4	458.2	465.3	431.8
40°	579.3	576.7	557.1	520.6	478.7	450.9	453.3	483.0	506.4	514.7	477.7
42.5°	635.9	629.8	611.3	568.9	522.7	492.5	498.4	531.8	560.6	569.7	525.6
45°	689.8	684.4	661.0	615.9	567.8	537.7	546.0	587.3	617.2	629.3	580.3
47.5°	738.6	731.7	707.9	659.1	612.2	585.2	595.9	644.9	679.9	693.8	641.8
50°	773.9	768.2	743.9	696.2	652.8	635.2	654.8	707.7	747.2	765.8	708.4
52.5°	789.3	786.6	763.4	720.4	687.9	684.7	721.0	775.2	820.0	840.3	779.7
55°	783.7	779.7	766.7	732.2	714.9	733.0	790.4	852.3	898.2	920.1	856.3
57.5°	751.9	749.3	748.2	726.6	730.6	779.1	859.0	938.7	983.9	1001.5	932.8
60°	698.0	696.4	707.4	706.4	734.7	816.8	931.3	1030.4	1070.3	1090.6	1007.8
62.5°	617.8	621.4	646.6	668.1	721.5	841.9	997.4	1113.8	1155.8	1170.3	1066.1
65°	523.8	530.5	564.1	608.1	691.4	852.3	1057.2	1186.3	1226.4	1231.8	1103.1
67.5°	419.4	430.2	470.2	531.3	639.6	842.7	1094.9	1235.1	1269.9	1263.2	1106.4
69°	370.4	371.7	414.1	479.7	598.5	822.1	1106.4	1249.6	1274.7	1264.3	1090.6
70°	334.4	336.5	378.4	446.1	568.1	802.1	1106.0	1253.1	1272.0	1255.7	1075.3
72.5°	247.6	255.6	297.3	367.2	489.9	733.0	1070.3	1233.9	1232.0	1202.6	993.9
75°	179.8	186.5	226.5	295.6	412.6	642.0	982.5	1154.4	1136.0	1098.3	869.6
77.5°	128.4	130.2	165.7	232.4	340.5	537.4	848.3	1012.4	993.1	936.9	712.2
80°	86.8	88.3	117.5	175.8	274.0	441.6	698.2	829.9	804.2	743.2	540.7
82.5°	56.0	59.0	82.0	129.2	214.5	356.1	551.5	642.8	613.5	558.8	397.6
85°	39.3	40.0	56.9	93.4	161.1	275.7	418.9	478.4	448.1	402.9	277.5
87.5°	26.1	27.0	40.0	67.7	117.5	201.7	304.5	339.5	313.2	277.0	184.8
90°	16.5	17.9	27.8	48.3	84.5	141.0	210.6	227.4	208.6	179.0	114.7
92.5°	11.7	12.2	19.4	34.6	60.1	96.5	137.4	144.1	128.1	108.6	69.4
95°	7.9	8.5	14.1	24.8	43.2	65.1	87.5	87.9	75.0	64.0	44.0
97.5°	5.9	6.4	10.7	18.5	30.9	44.6	55.7	52.9	45.2	39.3	30.7
100°	4.8	5.0	8.5	14.1	22.4	31.4	36.6	33.1	29.1	26.1	22.4
102.5°	4.1	4.3	7.2	11.5	16.8	22.4	24.8	22.2	19.7	18.1	16.8
105°	3.5	3.8	6.1	9.7	13.6	16.5	17.6	15.8	14.4	13.3	12.6
107.5°	3.2	3.5	5.4	8.3	11.3	13.3	13.8	12.0	10.7	9.7	9.1



REPORT NUMBER: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	2.9	3.2	4.8	7.2	9.7	11.3	10.9	9.3	7.7	6.7	6.7
112.5°	2.6	2.9	4.3	6.4	8.3	9.3	9.1	6.9	5.6	4.8	4.8
115°	2.4	2.6	3.8	5.6	7.2	7.7	7.2	5.4	4.1	3.2	3.8
117.5°	2.1	2.4	3.2	4.8	6.1	6.4	5.6	4.1	2.9	2.4	2.6
120°	2.1	2.1	2.9	4.1	5.0	5.4	4.6	2.9	2.1	1.8	2.1
122.5°	1.8	2.1	2.6	3.5	4.3	4.3	3.5	2.1	1.6	1.6	1.8
125°	1.8	1.8	2.1	2.9	3.5	3.5	2.6	1.6	1.3	1.6	1.8
127.5°	1.6	1.8	2.1	2.6	2.9	2.9	2.1	1.3	1.3	1.3	1.6
130°	1.6	1.6	1.8	2.1	2.4	2.1	1.6	1.1	1.1	1.3	1.6
132.5°	1.6	1.6	1.6	1.8	2.1	1.6	1.1	1.1	1.1	1.1	1.6
135°	1.3	1.3	1.3	1.6	1.6	1.1	0.8	0.8	1.1	1.1	1.3
137.5°	1.1	1.1	1.1	1.1	1.1	0.8	0.5	0.8	0.8	1.1	1.3
140°	0.8	0.8	0.8	0.8	0.8	0.2	0.5	0.5	0.8	0.8	1.1
142.5°	0.5	0.5	0.5	0.8	0.5	0.2	0.2	0.5	0.8	0.8	1.1
145°	0.2	0.2	0.5	0.5	0.2	0.0	0.2	0.5	0.5	0.8	0.8
147.5°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.5	0.5	0.8
150°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.5	0.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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: P255219

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2.5°	81.4	80.7	78.6	76.8	75.0	73.6	72.5	72.3	71.6	70.7	71.0
5°	85.7	83.8	80.7	76.6	72.8	69.6	67.2	65.1	63.8	62.2	62.4
7.5°	93.4	90.4	84.9	78.2	72.0	66.9	62.2	59.5	57.4	56.3	56.0
10°	105.1	101.2	91.8	82.2	72.8	65.3	59.5	56.0	53.9	52.6	52.6
12.5°	121.8	115.9	102.4	88.6	75.8	65.7	58.7	55.2	53.1	52.3	52.3
15°	139.9	132.1	114.1	95.3	78.6	66.4	59.0	55.2	53.3	52.6	52.3
17.5°	160.1	149.6	125.6	100.8	81.1	68.1	59.2	55.2	53.3	52.9	52.6
20°	182.0	169.0	137.4	106.2	83.0	68.3	59.0	54.9	53.6	53.3	53.3
22.5°	206.5	189.4	148.6	110.8	84.0	67.5	58.1	54.7	53.9	54.2	54.2
25°	232.1	210.8	159.3	113.4	83.0	65.7	57.4	54.7	54.4	55.2	55.2
27.5°	259.4	232.1	168.7	115.3	80.9	63.0	56.0	54.7	54.9	56.0	56.0
30°	287.9	254.0	176.7	115.0	78.2	60.8	55.2	54.4	55.5	57.2	57.2
32.5°	318.1	276.8	183.3	113.4	75.0	59.2	54.4	54.7	56.3	58.1	58.5
35°	349.0	298.1	188.7	110.3	72.0	57.9	54.4	55.2	57.2	59.2	59.5
37.5°	383.5	322.1	193.5	107.3	69.9	57.4	54.7	55.5	57.7	60.1	60.5
40°	420.5	348.2	196.8	103.6	68.3	57.7	55.2	56.0	57.9	60.5	61.0
42.5°	460.0	374.9	200.7	100.6	66.9	57.9	56.0	56.3	58.1	61.0	61.6
45°	504.9	404.8	205.0	97.9	66.7	59.0	56.6	56.3	57.9	61.6	62.0
47.5°	556.1	442.2	211.3	96.0	66.7	59.8	57.2	56.3	57.7	61.6	62.2
50°	612.2	481.4	219.1	95.5	67.5	60.8	57.7	56.3	57.4	60.5	61.0
52.5°	671.6	525.6	229.5	95.8	68.7	61.6	58.1	56.0	56.6	59.0	59.2
55°	737.8	572.9	241.3	97.4	70.2	62.8	58.5	55.5	55.5	57.2	57.2
57.5°	802.6	622.0	254.0	99.3	72.3	63.8	58.5	54.9	54.7	55.7	55.7
60°	862.7	663.1	266.6	101.7	74.2	64.4	58.1	54.4	53.9	54.7	54.9
62.5°	912.9	696.4	274.3	104.4	75.8	64.6	57.7	53.9	53.3	54.2	54.2
65°	934.7	712.5	275.9	106.2	77.3	64.4	56.9	53.1	52.9	53.3	53.6
67.5°	931.0	703.4	268.1	106.4	77.9	64.0	56.0	52.3	52.3	52.9	52.9
69°	909.7	684.0	258.3	106.0	77.9	63.3	55.2	51.8	52.0	52.6	52.6
70°	889.4	663.1	248.7	104.6	77.7	62.8	54.4	51.3	51.8	52.3	52.3
72.5°	811.5	595.0	223.3	100.3	75.5	60.8	52.9	49.6	50.7	51.8	51.5
75°	698.6	504.6	193.5	93.6	72.0	58.1	50.7	47.7	49.3	50.7	50.5
77.5°	562.2	403.5	162.2	85.9	67.7	54.7	48.1	45.7	47.5	49.0	48.8
80°	427.7	309.8	131.7	77.3	62.2	51.0	45.2	42.9	45.4	46.7	46.4
82.5°	312.7	226.5	103.6	68.9	56.9	47.0	41.6	40.0	42.4	43.8	43.2
85°	217.0	158.2	80.1	59.5	51.0	42.4	37.9	36.8	39.0	40.0	39.5
87.5°	143.3	106.7	62.0	51.5	45.4	38.1	34.4	33.4	35.5	36.0	35.7
90°	91.0	71.6	49.0	44.2	40.0	33.9	30.7	30.1	31.8	32.0	31.2
92.5°	58.1	49.0	39.8	38.1	35.0	30.1	27.6	26.7	28.0	28.0	27.2
95°	40.3	36.6	32.6	32.8	30.4	26.4	24.0	23.7	24.2	23.7	23.5
97.5°	29.1	27.8	27.0	28.0	26.4	23.0	21.1	20.5	20.8	20.0	19.7
100°	22.2	21.9	22.4	23.5	22.4	19.7	18.1	17.9	17.6	16.3	16.3
102.5°	17.1	17.1	18.5	20.0	18.9	16.8	15.8	15.2	14.4	13.1	12.8
105°	13.1	13.3	15.2	16.5	16.1	14.1	13.3	12.6	11.5	10.2	10.2
107.5°	9.9	10.4	12.2	13.6	13.1	11.7	10.9	10.2	9.1	7.7	7.9



REPORT NUMBER: P255219

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.4	7.9	9.9	10.9	10.7	9.9	9.1	8.3	6.9	5.9	6.1
112.5°	5.6	6.1	7.7	8.8	8.8	7.9	7.2	6.4	5.0	4.6	4.6
115°	4.3	4.8	6.1	6.9	6.9	6.1	5.6	4.8	3.8	3.5	3.5
117.5°	3.2	3.8	4.8	5.6	5.4	4.8	4.3	3.8	2.9	2.6	2.6
120°	2.6	2.9	3.8	4.3	4.1	3.8	3.2	2.6	2.1	2.1	2.1
122.5°	2.1	2.4	2.9	3.2	2.9	2.6	2.4	1.8	1.6	1.6	1.6
125°	1.8	2.1	2.4	2.4	2.1	1.8	1.6	1.3	1.1	1.3	1.3
127.5°	1.8	1.8	2.1	1.8	1.6	1.3	1.1	0.8	0.8	1.1	1.1
130°	1.6	1.8	1.8	1.6	1.3	0.8	0.8	0.5	0.5	0.8	0.8
132.5°	1.6	1.6	1.6	1.3	1.1	0.5	0.2	0.2	0.5	0.5	0.5
135°	1.3	1.6	1.3	1.1	0.8	0.5	0.0	0.2	0.2	0.2	0.2
137.5°	1.3	1.3	1.3	1.1	0.5	0.2	0.0	0.0	0.2	0.0	0.0
140°	1.1	1.1	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)