

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: P254733

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
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-T2U-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2270.3 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U2 - G1

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

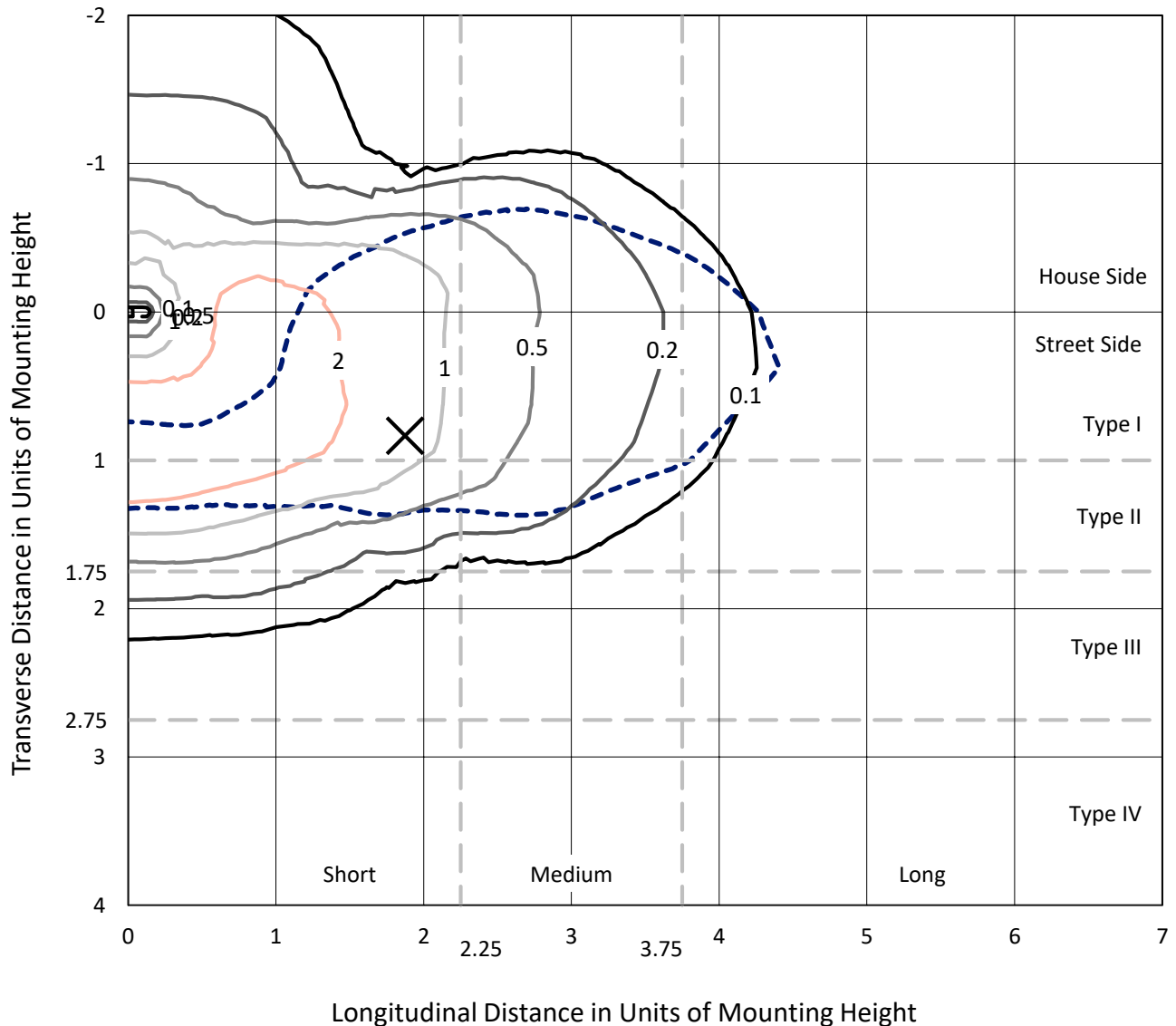


REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

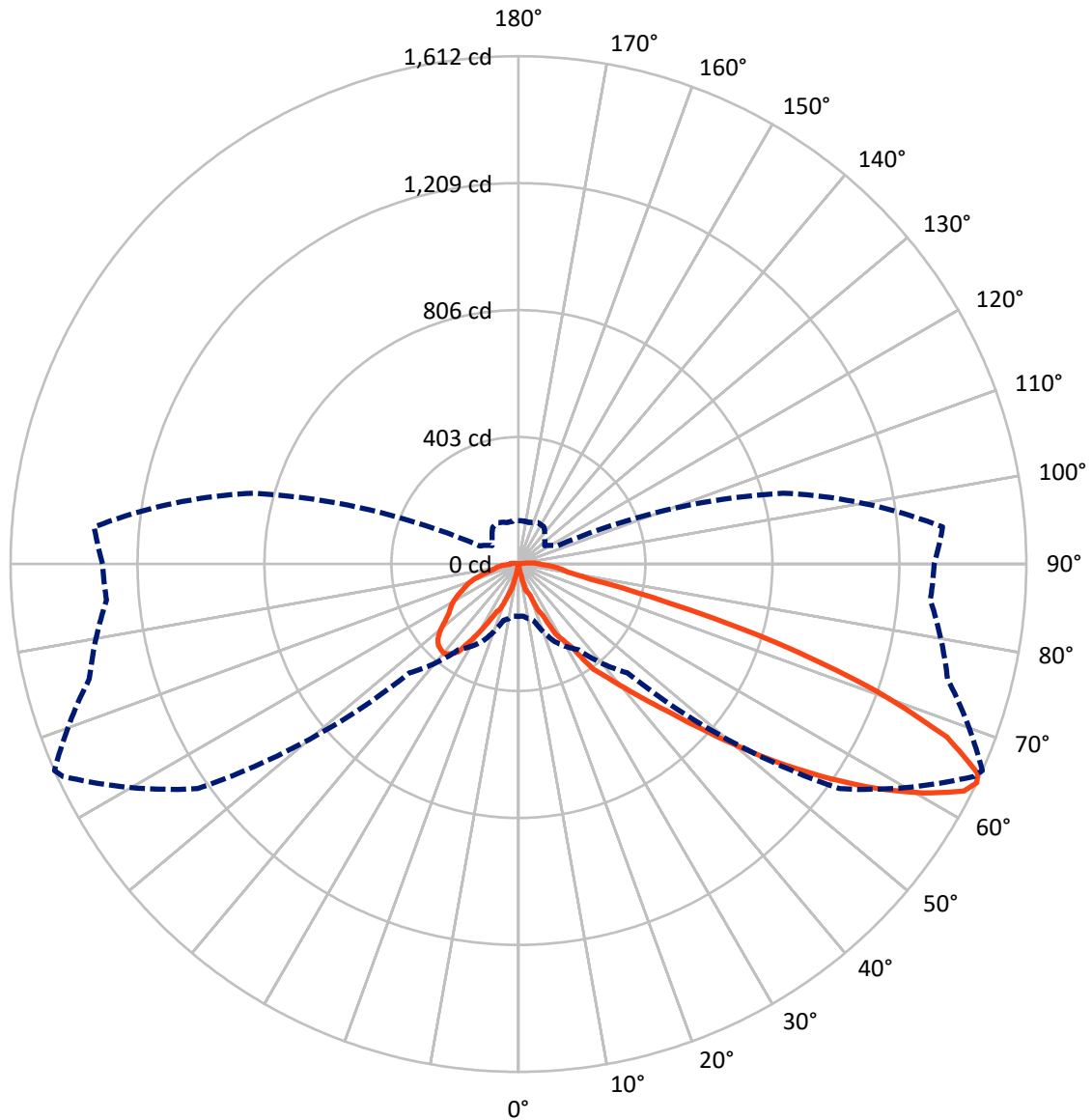


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

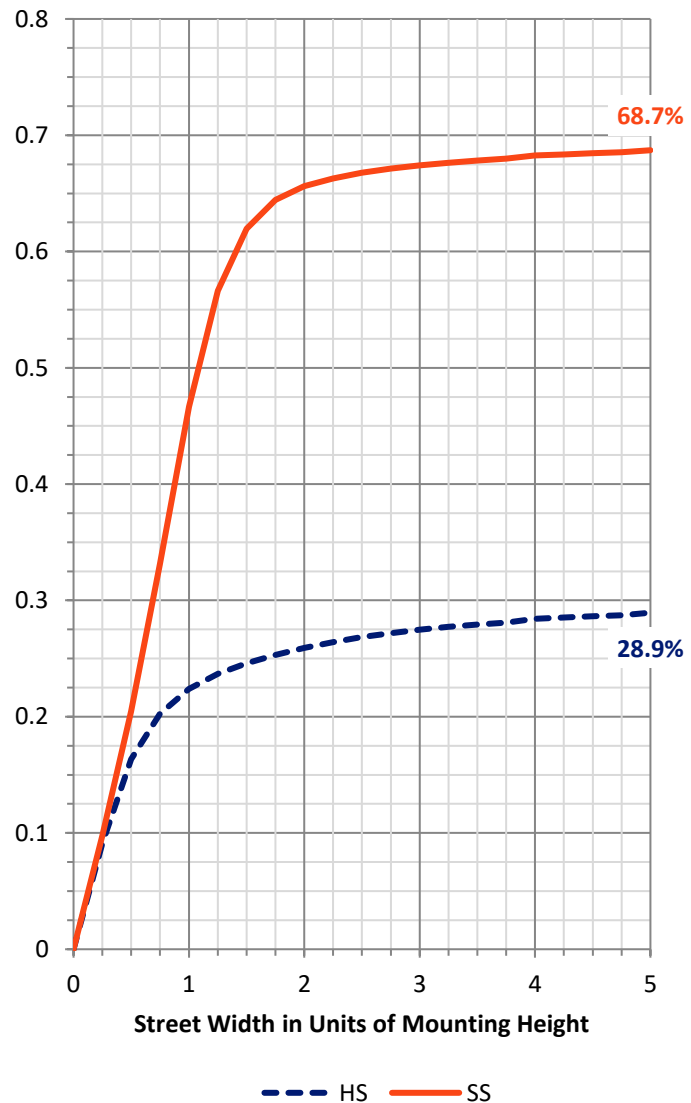
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	671.9	13.9	685.7
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	1572.0	12.6	1584.6
	% Fixture	69.2	0.6	69.8
Total	Lumens	2243.9	26.5	2270.3
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.0	1.0
20°-30°	88.7	3.9
30°-40°	224.6	9.9
40°-50°	428.3	18.9
50°-60°	574.5	25.3
60°-70°	531.9	23.4
70°-80°	299.2	13.2
80°-90°	73.2	3.2
90°-100°	22.3	1.0
100°-110°	2.6	0.1
110°-120°	0.7	0.0
120°-130°	0.4	0.0
130°-140°	0.1	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°	2243.9	98.8
0°-180°	2270.3	100.0



REPORT NUMBER: P254733

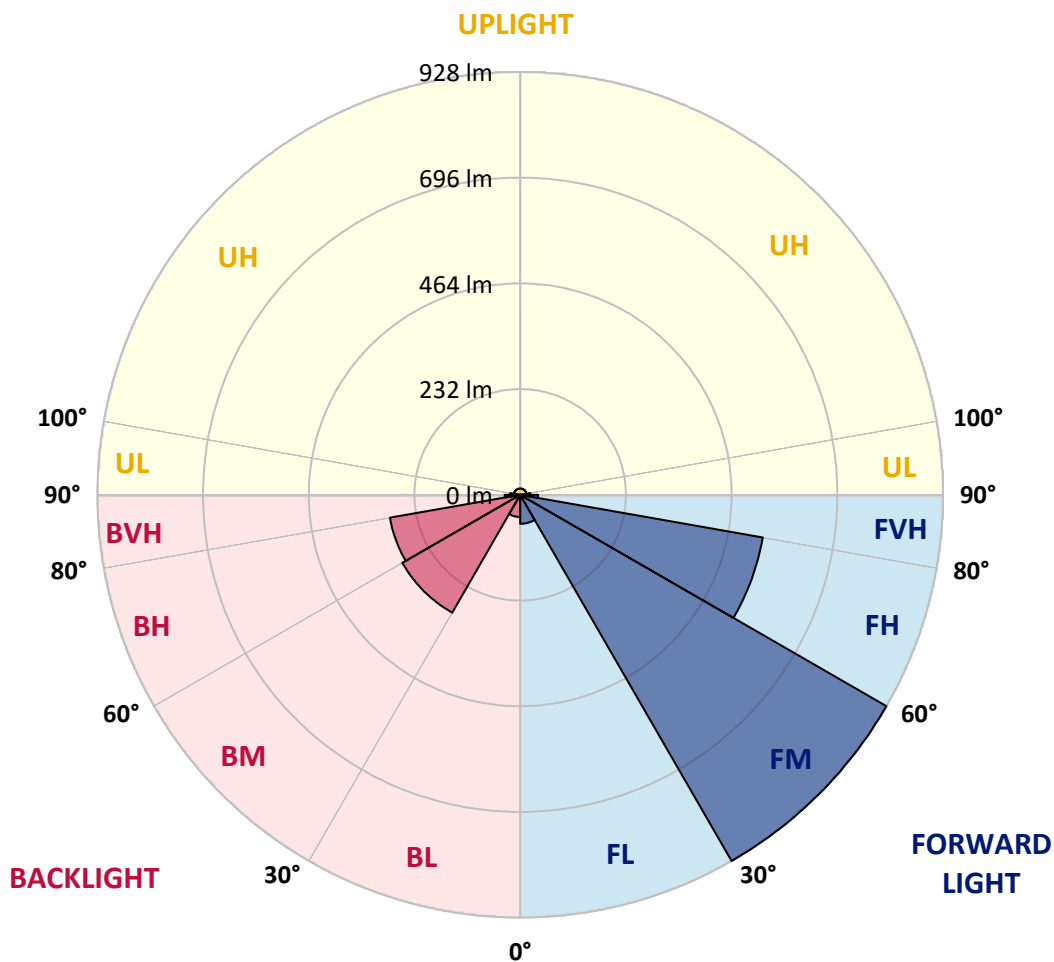
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.6	2.8			
FM (30°-60°)	928.4	40.9			
FH (60°-80°)	540.8	23.8			G0/660
FVH (80°-90°)	39.2	1.7			G1/100
BL (0°-30°)	48.6	2.1	B0/110		
BM (30°-60°)	298.9	13.2	B1/1000		
BH (60°-80°)	290.3	12.8	B1/500		G1/500
BVH (80°-90°)	34.0	1.5			G1/100
UL (90°-100°)	22.3	1.0		U2/50	
UH (100°-180°)	13.9	0.6		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.6	2.6	2.6	2.9	2.6	2.4	2.1	1.6	1.3	0.8	0.8
5°	35.0	35.0	34.8	33.7	10.4	5.4	3.5	2.1	2.1	1.3	0.8
7.5°	39.3	39.0	39.0	37.9	37.5	34.8	17.6	3.5	3.2	1.8	1.1
10°	43.4	42.4	41.9	41.1	41.4	39.0	36.3	17.1	9.9	3.8	2.9
12.5°	80.7	80.1	77.7	65.4	45.4	41.6	40.9	34.2	33.1	28.5	33.4
15°	89.1	87.5	86.0	85.7	81.2	50.7	64.4	84.1	84.9	65.4	70.7
17.5°	104.2	101.4	96.1	92.1	89.7	104.2	95.8	92.9	93.8	80.1	79.8
20°	157.8	157.5	154.8	136.7	102.4	128.7	123.9	106.2	105.7	144.7	141.2
22.5°	186.1	181.5	178.1	172.2	176.1	141.0	150.6	154.8	158.3	166.1	158.9
25°	279.7	256.8	245.3	199.4	209.8	178.3	198.3	181.5	180.0	185.5	200.0
27.5°	322.8	324.1	315.0	298.8	242.3	250.1	221.2	254.3	252.3	256.8	246.4
30°	429.7	422.5	373.1	357.2	313.3	285.0	305.1	286.2	280.0	274.7	272.3
32.5°	529.9	529.6	516.2	450.0	394.5	333.7	347.0	318.0	319.8	354.4	363.1
35°	685.5	675.3	595.3	554.9	471.4	426.0	389.7	413.4	410.3	405.5	408.9
37.5°	865.4	852.6	784.5	658.5	571.5	488.7	484.2	467.1	455.4	460.7	464.3
40°	970.9	960.2	900.7	793.6	667.0	598.2	553.8	528.5	514.1	535.2	534.4
42.5°	1045.8	1036.6	1002.4	891.8	802.1	728.8	636.7	600.4	585.4	617.7	605.1
45°	1084.0	1067.7	1063.7	980.4	920.1	887.3	751.1	688.5	669.8	704.1	689.2
47.5°	1064.5	1046.6	1062.1	1009.2	1026.4	1025.0	893.4	790.9	778.6	807.4	785.0
50°	974.0	963.6	997.0	1004.2	1080.8	1136.7	1051.7	899.5	915.0	901.2	886.0
52.5°	825.1	820.9	874.2	934.2	1072.5	1209.7	1197.5	1024.0	1058.6	996.7	976.4
55°	666.8	667.6	725.8	796.8	986.3	1220.1	1324.2	1172.4	1202.0	1093.0	1064.7
57.5°	486.9	508.3	574.7	635.1	822.4	1151.8	1402.7	1320.7	1345.3	1192.7	1145.4
60°	315.8	323.5	403.6	499.5	606.5	944.6	1433.2	1456.7	1475.5	1296.0	1222.3
62.5°	208.4	209.2	242.3	352.9	419.3	659.3	1358.9	1568.8	1586.9	1375.5	1287.6
64°	166.1	165.7	185.3	271.0	332.9	488.0	1242.9	1594.6	1611.7	1409.9	1312.2
65°	146.5	146.3	160.4	217.9	284.5	389.9	1127.0	1585.4	1601.8	1425.4	1318.9
67.5°	124.3	124.9	130.6	149.8	206.1	234.6	689.5	1452.6	1466.3	1413.4	1295.7
70°	114.8	115.3	122.0	125.7	162.6	174.3	299.8	1186.5	1202.3	1358.6	1242.3
72.5°	101.2	101.9	110.8	120.4	128.9	144.7	190.8	816.5	861.6	1178.3	1170.5
75°	84.5	85.4	93.8	106.2	112.4	118.0	165.2	433.2	489.3	886.7	1043.2
77.5°	69.2	69.7	76.6	85.1	102.2	91.6	144.7	221.6	234.9	561.0	771.5
80°	51.1	51.6	59.0	68.3	79.3	79.8	119.3	159.6	160.4	307.0	416.4
82.5°	35.0	35.2	42.7	48.1	56.0	74.0	95.6	131.5	138.3	182.4	191.4
85°	24.0	24.2	28.9	30.7	35.2	40.9	69.2	103.2	113.4	130.8	114.8
87.5°	11.5	12.0	12.6	13.3	13.8	14.4	29.6	76.1	80.1	87.3	90.8
90°	9.7	9.7	7.4	7.2	8.3	8.5	13.6	64.9	63.5	83.6	90.2
92.5°	9.7	9.7	7.0	6.7	7.4	7.2	9.9	53.4	51.8	82.2	89.1
95°	8.3	8.5	5.6	5.4	6.4	5.9	7.7	31.2	33.1	57.9	65.9
97.5°	7.0	7.0	4.3	4.3	4.6	4.3	5.0	11.5	12.8	24.6	29.1
100°	5.0	5.4	2.6	2.9	2.9	2.6	2.6	4.8	5.4	6.7	6.4
102.5°	4.3	4.8	1.8	2.1	1.6	1.6	1.3	2.1	2.1	3.5	5.0
105°	3.2	3.8	1.3	1.3	1.1	1.1	0.5	1.6	1.6	2.9	5.4
107.5°	1.8	2.1	0.8	0.8	0.8	1.1	0.5	1.1	1.3	2.4	4.6



REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	0.8	0.8	0.2	0.5	0.2	0.8	0.5	1.1	1.3	1.1	2.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.8	0.5	1.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.5	1.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	1.3
120°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	1.3
122.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	1.1
125°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1
127.5°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
130°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
135°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
137.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.2
147.5°	1.3	1.3	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2
150°	1.1	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2
152.5°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.8	1.1	1.1	1.3	1.3	1.6	1.6	1.6	1.6	1.3	1.3
5°	0.8	1.1	1.1	1.3	1.6	2.1	2.4	2.9	2.9	3.2	3.2
7.5°	1.1	1.1	1.3	1.6	2.4	4.1	12.0	38.1	39.6	42.9	43.2
10°	2.6	2.9	2.9	3.2	7.7	39.3	44.0	45.9	48.3	48.6	48.3
12.5°	35.2	33.9	32.6	10.2	38.7	47.2	48.6	51.3	52.6	56.6	56.6
15°	71.2	71.2	68.9	75.8	68.7	52.6	56.6	88.9	92.1	94.5	93.2
17.5°	80.9	80.9	79.3	96.1	103.2	83.2	91.0	98.0	100.1	100.6	100.4
20°	145.5	143.9	129.7	118.0	107.8	132.1	111.6	100.8	120.0	139.1	140.2
22.5°	158.3	156.1	152.6	154.8	141.7	136.1	127.9	134.3	138.5	139.3	139.7
25°	199.6	198.3	172.4	165.0	178.1	151.9	153.7	131.5	134.0	136.9	136.7
27.5°	247.5	243.2	230.1	197.5	186.3	179.0	145.2	139.1	153.7	154.6	154.0
30°	274.7	262.7	238.6	243.9	201.2	171.3	144.1	145.8	139.3	139.7	140.2
32.5°	366.2	351.9	320.9	283.7	214.9	161.2	139.7	130.8	141.2	143.0	143.9
35°	400.4	387.6	360.9	335.8	218.8	153.7	124.1	128.2	128.4	128.9	129.5
37.5°	448.0	430.1	407.9	351.9	217.5	135.4	121.0	121.5	130.0	131.5	132.4
40°	506.4	483.7	458.9	359.0	196.2	128.4	118.2	122.3	125.2	124.3	124.9
42.5°	575.5	544.7	510.1	350.5	166.3	125.2	118.2	121.0	121.5	119.1	119.1
45°	655.0	620.9	553.6	340.9	143.3	126.3	121.0	119.3	116.7	113.2	112.4
47.5°	742.1	702.3	593.6	322.2	127.3	125.4	122.5	116.7	113.7	110.8	110.8
50°	835.2	793.3	627.8	293.4	119.8	124.1	121.8	118.2	115.0	109.7	109.5
52.5°	924.4	890.3	670.3	254.1	112.6	125.2	127.9	120.0	115.6	108.3	108.3
55°	1010.6	990.9	708.4	223.1	109.7	122.0	131.3	124.7	115.0	109.5	109.7
57.5°	1096.5	1094.1	752.2	202.3	106.2	120.0	135.9	128.2	120.0	114.5	114.5
60°	1194.2	1205.2	808.5	179.0	105.7	118.0	137.7	134.0	124.7	123.6	123.9
62.5°	1278.4	1306.8	851.4	152.2	102.2	116.4	141.0	139.7	130.2	129.2	130.8
64°	1319.8	1351.4	868.3	135.4	101.4	117.5	142.2	145.2	136.3	137.4	137.4
65°	1334.6	1365.8	873.1	124.1	100.6	118.0	142.6	147.1	137.7	137.4	137.4
67.5°	1335.1	1359.1	856.3	106.5	97.1	117.7	143.9	152.2	143.0	149.2	146.9
70°	1303.7	1272.5	791.1	94.2	96.5	118.0	142.8	149.4	141.5	155.3	154.0
72.5°	1216.9	1104.8	628.6	83.0	97.7	116.4	137.2	142.6	136.7	157.0	155.5
75°	1028.2	861.1	387.0	77.7	96.3	110.8	130.6	129.7	126.7	139.7	138.8
77.5°	706.6	566.7	185.3	75.8	94.5	103.0	115.9	114.5	111.3	116.7	115.0
80°	365.7	299.5	111.9	69.4	87.9	89.4	94.5	95.6	92.1	93.4	91.3
82.5°	172.9	158.0	94.0	63.3	75.3	66.2	73.4	76.9	70.7	71.0	63.5
85°	108.0	110.3	77.3	49.1	50.7	40.3	51.1	54.7	47.0	40.0	38.1
87.5°	89.7	93.8	57.2	27.6	23.5	20.5	28.9	30.1	21.7	18.1	16.8
90°	92.7	95.6	56.3	21.9	18.7	15.6	21.1	18.7	13.3	11.7	10.7
92.5°	91.8	93.2	55.8	21.1	17.6	14.1	17.9	14.4	10.4	9.1	8.3
95°	69.2	74.2	45.2	20.5	15.6	11.5	13.3	11.3	7.2	6.4	5.9
97.5°	28.5	33.7	26.7	19.4	12.0	8.5	8.8	7.7	4.3	3.8	3.5
100°	5.6	8.8	14.1	14.1	5.9	4.6	4.6	4.3	2.1	1.8	1.6
102.5°	5.6	5.4	6.4	7.7	2.6	1.3	1.6	2.1	1.3	1.8	1.8
105°	5.9	5.6	3.5	2.1	1.6	0.8	0.5	0.5	1.1	2.1	2.4
107.5°	5.4	5.4	2.4	1.6	1.3	1.1	0.2	0.2	0.8	2.4	2.6



REPORT NUMBER: P254733

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	2.6	2.9	1.8	1.3	1.3	1.1	0.2	0.0	0.8	2.6	2.9
112.5°	1.6	1.6	1.6	1.1	0.8	0.8	0.2	0.0	0.8	2.9	3.2
115°	1.6	1.6	1.3	1.1	0.8	0.5	0.0	0.0	0.8	3.2	3.5
117.5°	1.6	1.6	1.3	0.8	0.5	0.2	0.0	0.0	0.8	3.2	3.5
120°	1.6	1.6	1.3	0.8	0.5	0.2	0.0	0.0	0.8	2.9	3.2
122.5°	1.6	1.6	1.3	0.8	0.5	0.2	0.0	0.0	0.8	2.4	2.6
125°	1.3	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.5	2.1	2.1
127.5°	1.1	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.5	1.6	1.8
130°	1.1	1.1	0.8	0.8	0.5	0.2	0.0	0.0	0.2	1.3	1.6
132.5°	0.8	0.8	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.5	0.8
135°	0.2	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.2
137.5°	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
140°	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
142.5°	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
145°	0.2	0.5	0.5	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0
147.5°	0.5	0.5	0.5	0.8	0.5	0.2	0.0	0.0	0.0	0.0	0.0
150°	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.2	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.2	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)