

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: P255004

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
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-T2U-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3103 lumens
Efficiency: N/A
Efficacy: 100.1 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): 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

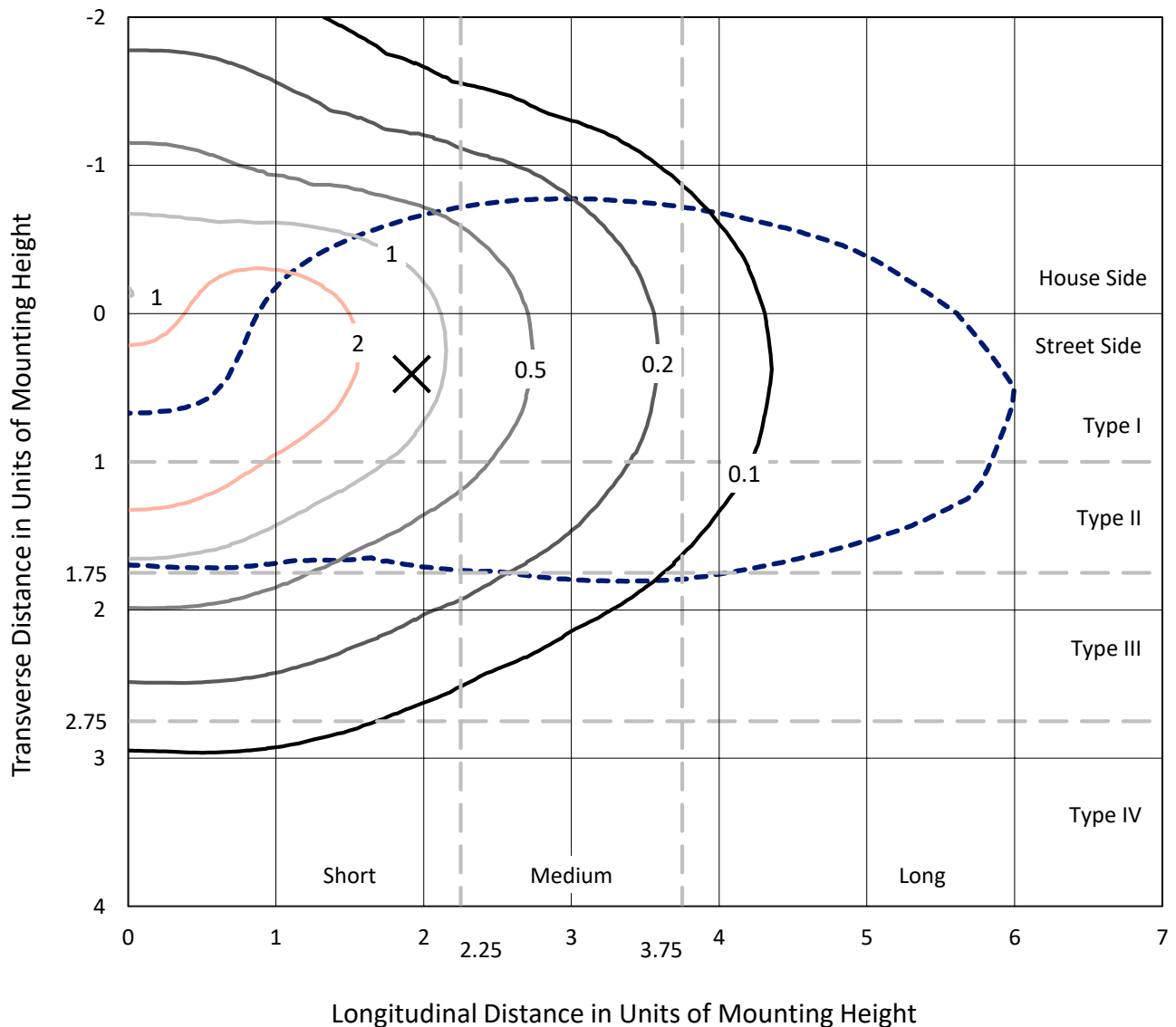


REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

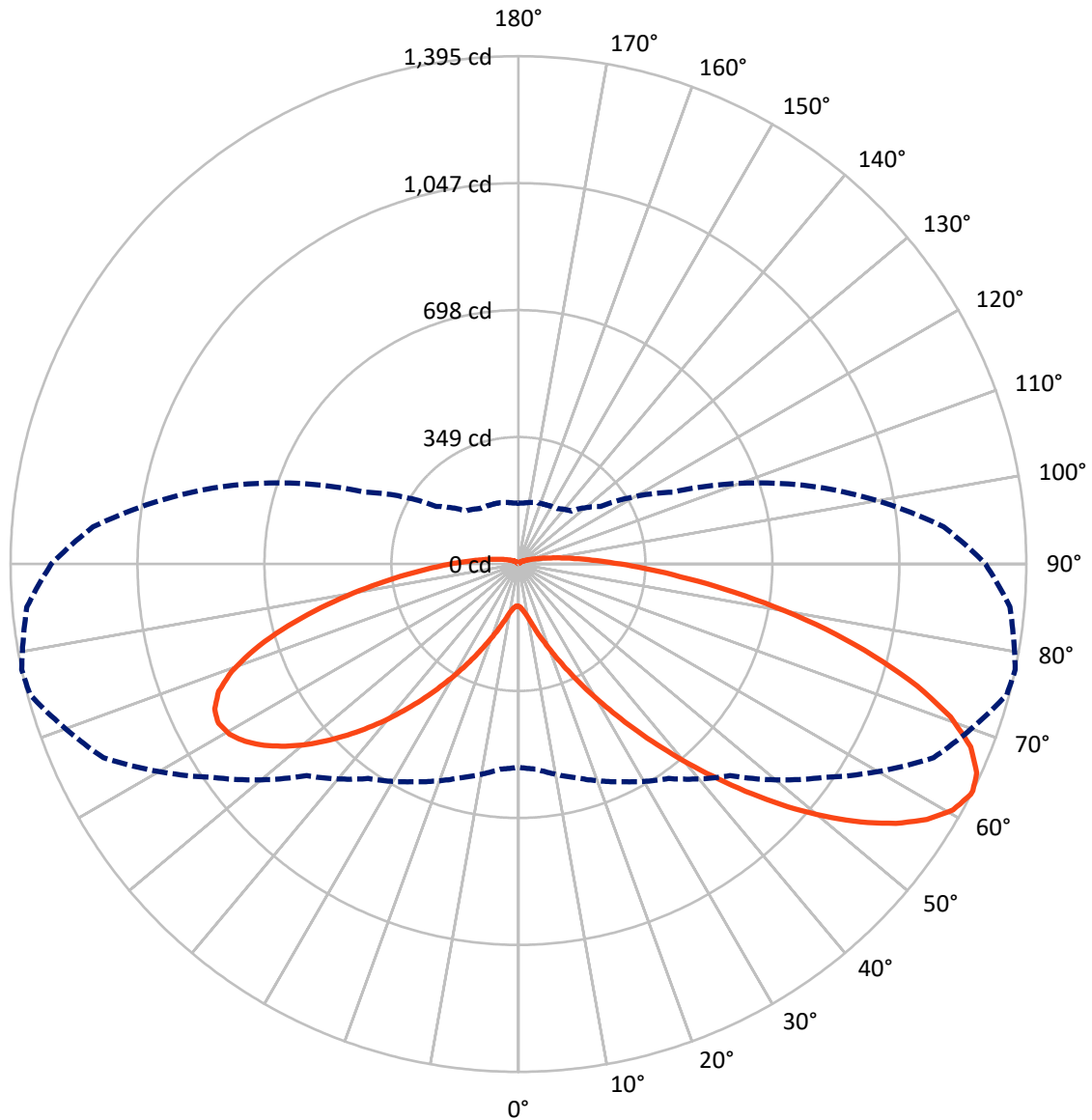


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

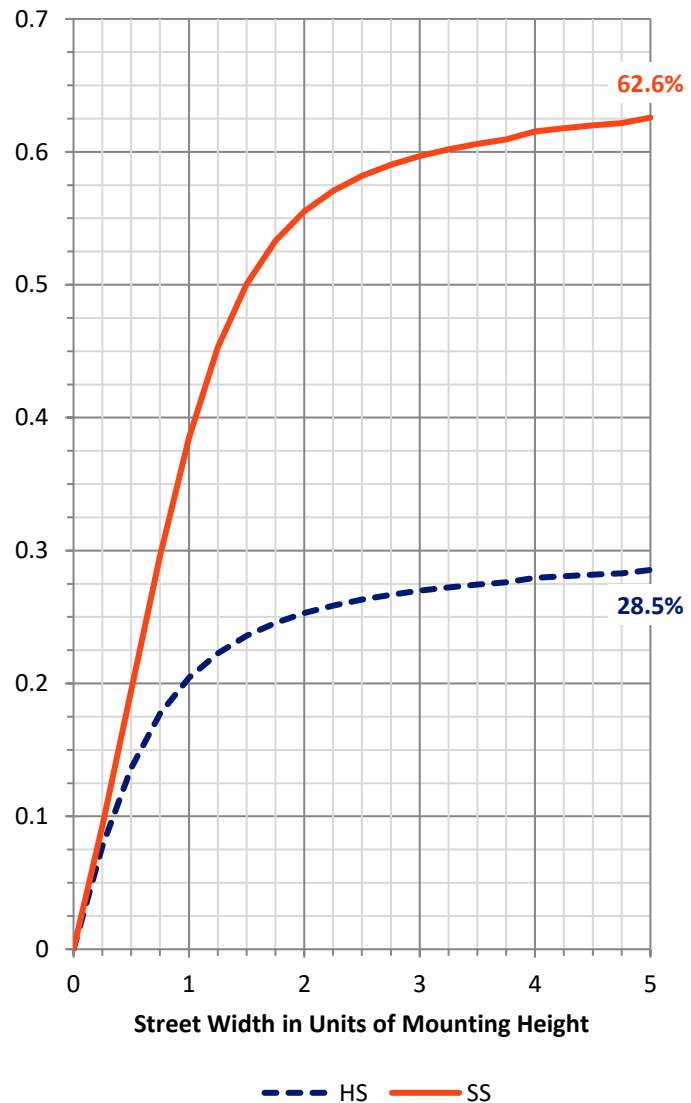
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	921.8	84.3	1006.0
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	1992.6	104.3	2097.0
	% Fixture	64.2	3.4	67.6
Total	Lumens	2914.4	188.6	3103.0
	% Fixture	93.9	6.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.4
10°-20°	52.9	1.7
20°-30°	138.2	4.5
30°-40°	287.0	9.2
40°-50°	483.4	15.6
50°-60°	635.4	20.5
60°-70°	629.2	20.3
70°-80°	447.9	14.4
80°-90°	228.0	7.3
90°-100°	99.2	3.2
100°-110°	45.4	1.5
110°-120°	23.1	0.7
120°-130°	12.3	0.4
130°-140°	6.1	0.2
140°-150°	2.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2914.4	93.9
0°-180°	3103.0	100.0



REPORT NUMBER: P255004

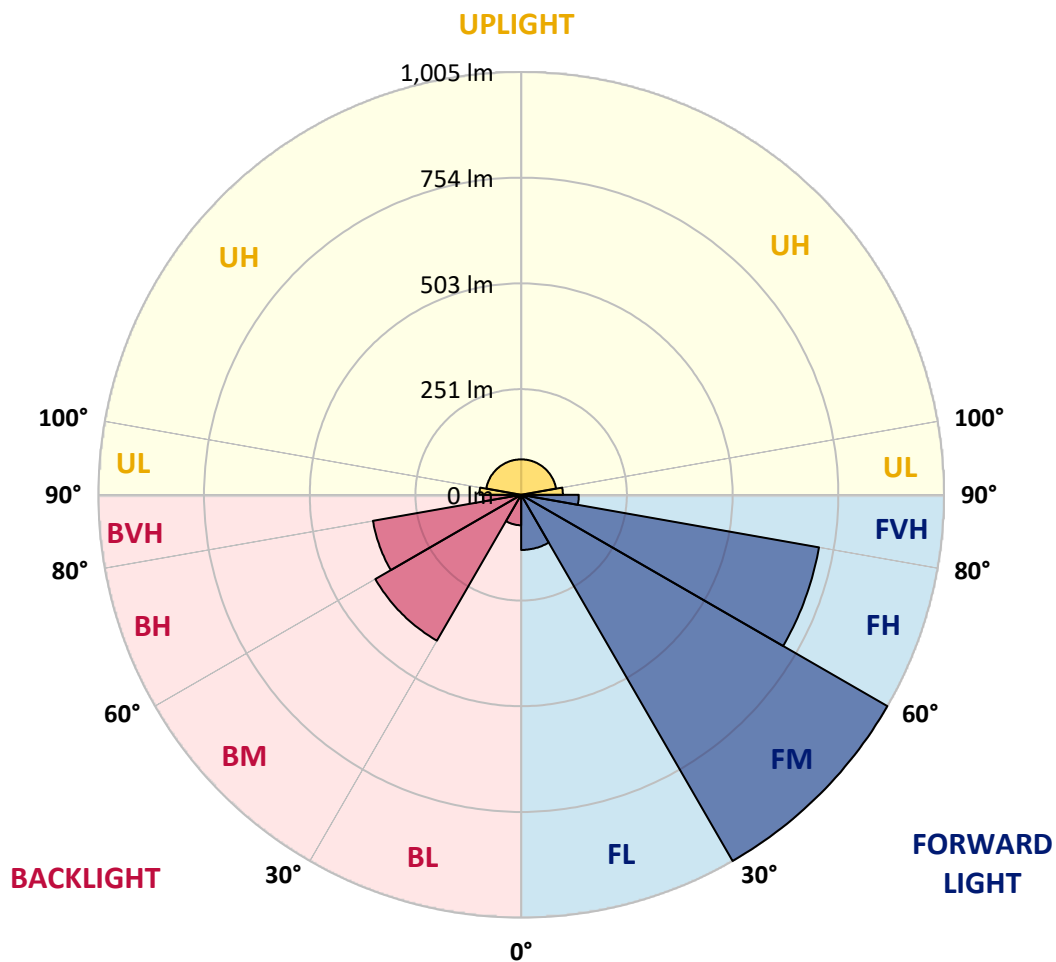
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.2	4.2			
FM	(30°-60°)	1005.4	32.4			
FH	(60°-80°)	719.1	23.2			G1/1800
FVH	(80°-90°)	136.9	4.4			G2/225
BL	(0°-30°)	72.3	2.3	B0/110		
BM	(30°-60°)	400.4	12.9	B1/1000		
BH	(60°-80°)	358.0	11.5	B1/500		G1/500
BVH	(80°-90°)	91.1	2.9			G1/100
UL	(90°-100°)	99.2	3.2		U3/500	
UH	(100°-180°)	84.3	2.7		U3/500	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	128.8	129.3	129.3	128.5	127.8	126.2	124.8	122.9	120.3	119.8	118.0
5°	144.2	144.5	144.2	142.7	141.3	138.6	135.6	132.2	127.8	127.4	124.0
7.5°	162.9	163.4	162.9	160.3	157.7	153.9	149.8	145.0	138.6	137.4	133.0
10°	186.2	187.0	185.8	183.5	179.0	173.4	168.2	161.0	154.4	151.8	146.1
12.5°	215.8	215.8	213.5	210.1	204.6	197.4	190.6	182.0	174.6	170.8	164.9
15°	248.8	249.1	246.2	242.0	236.0	225.2	217.7	208.6	199.3	195.9	187.3
17.5°	286.6	287.4	283.5	277.6	269.4	258.5	249.1	238.6	227.8	222.2	213.2
20°	330.7	330.7	326.6	318.8	308.3	296.3	284.3	272.4	260.4	253.6	244.2
22.5°	381.0	381.0	376.1	365.6	350.6	337.5	324.4	311.0	297.8	290.7	278.7
25°	439.0	441.3	431.9	418.8	402.0	383.6	370.5	354.8	340.5	332.5	319.5
27.5°	504.6	505.7	494.1	474.6	452.9	433.8	419.1	405.0	389.2	381.0	365.3
30°	575.0	572.7	562.2	539.0	510.6	487.3	472.8	459.7	441.6	435.3	418.0
32.5°	650.6	649.2	635.7	603.8	573.2	544.9	529.3	521.0	503.0	495.9	477.6
35°	730.5	727.8	711.8	678.4	638.0	607.3	592.9	588.9	572.4	565.3	543.1
37.5°	814.0	808.0	787.8	745.4	703.5	670.9	664.6	658.5	647.7	640.1	613.9
40°	880.6	878.0	857.8	813.7	768.3	741.0	736.9	741.0	730.5	721.8	691.5
42.5°	934.6	932.7	916.6	873.2	827.8	802.7	807.2	820.7	817.4	808.7	775.0
45°	972.1	970.2	958.5	921.2	879.5	861.2	881.4	906.2	908.4	901.3	861.6
47.5°	985.2	984.1	977.7	950.3	918.6	914.1	954.1	993.0	1002.5	996.5	951.4
50°	968.4	969.0	971.4	959.0	939.5	952.2	1011.4	1075.8	1096.1	1089.4	1041.4
52.5°	924.9	927.5	938.3	942.5	939.5	972.1	1059.4	1150.7	1185.3	1177.7	1128.3
55°	858.2	861.9	881.0	902.4	917.8	970.6	1089.4	1214.1	1263.5	1258.2	1207.0
57.5°	770.5	778.0	803.9	841.8	872.8	947.4	1097.9	1257.5	1327.6	1323.7	1274.0
60°	673.5	679.9	715.4	765.0	809.8	902.1	1079.2	1276.2	1370.9	1372.2	1325.0
62.5°	577.2	584.3	626.3	677.6	735.0	836.8	1034.5	1265.0	1389.0	1394.5	1353.8
63°	558.6	565.6	607.6	660.0	719.3	822.2	1022.6	1258.6	1389.0	1395.4	1355.7
65°	485.8	492.5	534.2	588.9	651.4	758.6	964.5	1221.2	1374.1	1383.8	1352.6
67.5°	401.2	408.3	450.2	504.2	564.6	668.6	873.2	1144.1	1322.7	1340.3	1320.4
70°	329.6	337.2	375.3	426.3	482.5	577.2	768.6	1040.2	1240.3	1259.4	1251.9
72.5°	271.6	277.9	315.4	358.2	408.3	492.5	661.6	915.1	1122.3	1145.5	1150.0
75°	221.8	228.5	261.4	299.7	343.8	414.6	557.8	783.0	976.2	1008.4	1021.1
77.5°	181.0	187.3	216.6	249.8	287.4	345.4	462.2	651.8	826.3	865.4	881.8
80°	147.6	153.6	177.5	207.9	239.8	286.6	378.7	525.2	678.1	713.3	730.5
82.5°	119.8	125.1	146.1	172.7	199.6	237.5	309.1	420.3	541.7	571.2	580.6
85°	96.7	101.2	119.8	143.1	166.0	195.1	249.8	332.2	423.7	446.9	458.5
87.5°	77.1	81.0	97.8	118.0	137.4	164.1	202.2	264.9	327.8	345.0	352.5
90°	62.6	65.5	79.4	96.7	114.2	133.8	164.1	206.1	252.1	264.5	269.8
92.5°	51.0	53.2	65.5	79.8	95.5	113.1	133.8	162.9	194.1	202.2	205.6
95°	42.7	43.4	54.3	66.6	79.4	94.4	109.4	129.6	149.8	155.4	157.0
97.5°	34.9	35.9	45.4	56.6	67.4	78.6	89.5	103.8	116.5	119.8	120.3
100°	29.9	30.4	38.2	48.3	57.7	66.6	74.6	83.1	90.6	91.8	92.6
102.5°	25.4	25.9	32.6	41.9	49.8	57.4	63.3	68.2	71.1	71.6	71.6
105°	22.1	22.5	28.1	36.4	43.4	49.0	54.0	55.8	56.6	56.2	56.2
107.5°	19.8	19.8	24.7	31.8	38.2	43.0	46.1	46.4	45.4	44.6	44.6



REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	17.6	18.0	21.8	28.5	34.1	37.8	40.1	39.0	36.7	35.9	35.9
112.5°	16.1	16.5	19.1	25.1	29.9	33.8	34.9	33.0	29.9	29.2	29.6
115°	15.0	15.0	17.3	22.1	27.0	29.9	30.4	28.1	24.7	24.4	24.7
117.5°	13.8	13.8	15.4	19.8	23.9	26.6	26.6	23.9	21.0	20.2	20.6
120°	13.1	13.1	14.2	17.6	21.3	23.6	23.3	20.6	17.6	17.6	18.0
122.5°	12.3	12.3	13.1	15.8	19.1	21.0	20.6	17.6	15.0	15.0	15.4
125°	11.6	11.6	12.0	14.2	16.8	18.3	18.0	15.0	13.1	13.1	13.4
127.5°	10.8	10.8	11.3	12.8	15.0	16.1	15.4	12.8	11.6	11.6	12.0
130°	10.5	10.5	10.5	11.3	13.1	14.2	13.1	10.8	10.2	10.2	10.5
132.5°	9.8	9.8	9.8	10.2	11.3	12.0	11.3	9.4	9.0	9.0	9.4
135°	9.4	9.4	9.0	9.0	9.8	10.2	9.0	7.8	7.8	7.8	8.2
137.5°	8.6	8.6	8.2	7.8	8.2	8.2	7.5	6.3	6.8	6.8	7.1
140°	7.8	7.8	7.5	6.8	6.3	6.3	5.6	5.3	5.6	5.6	6.0
142.5°	6.8	6.8	6.3	5.6	4.9	4.5	4.2	4.2	4.5	4.5	4.9
145°	5.6	5.6	5.3	4.5	3.8	3.4	2.9	2.9	3.4	3.4	3.8
147.5°	4.5	4.5	4.2	3.4	2.6	1.8	1.8	2.3	2.6	2.6	2.6
150°	3.8	3.8	3.4	2.6	1.5	1.1	0.8	1.1	1.5	1.5	1.5
152.5°	2.6	2.6	2.3	1.5	1.1	0.3	0.3	0.8	1.1	1.1	1.1
155°	1.5	1.5	1.1	0.8	0.3	0.3	0.3	0.3	0.8	0.8	0.8
157.5°	0.8	0.8	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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: P255004

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2	116.2
2.5°	117.2	116.5	114.6	112.7	111.2	110.2	109.4	108.2	107.8	107.5	107.5
5°	122.2	120.3	116.9	113.5	110.5	107.8	105.7	103.8	102.6	101.9	102.2
7.5°	130.0	127.0	122.2	116.9	112.0	108.2	104.9	102.6	100.7	99.7	99.7
10°	142.4	138.2	130.8	123.3	117.2	111.7	107.5	104.2	101.9	100.7	100.7
12.5°	159.9	154.7	144.2	133.8	125.5	118.0	112.7	109.4	108.6	107.5	107.5
15°	181.0	174.6	161.8	148.4	137.1	127.0	122.5	119.5	117.7	116.2	116.2
17.5°	205.6	197.4	181.3	164.9	151.0	140.5	133.0	128.8	126.6	125.5	125.5
20°	234.2	224.0	204.2	183.5	166.3	155.0	145.0	138.6	136.3	135.3	134.8
22.5°	267.1	254.7	230.7	204.9	184.6	169.7	157.7	148.4	145.8	144.5	143.9
25°	306.5	292.6	260.7	229.2	204.2	183.5	169.0	158.4	154.7	153.6	153.2
27.5°	350.6	333.8	294.8	256.2	222.6	195.9	178.6	167.8	162.9	161.4	161.8
30°	400.1	380.2	332.2	283.5	240.5	207.1	186.5	175.0	169.7	168.2	168.2
32.5°	455.2	429.0	373.1	312.4	257.3	216.6	193.3	181.3	175.0	173.8	173.8
35°	515.8	488.5	417.3	341.7	272.4	224.0	198.2	186.2	179.4	178.0	178.0
37.5°	585.5	549.6	464.2	369.8	285.0	229.7	201.6	189.1	182.5	180.2	180.2
40°	656.3	614.7	512.9	396.3	296.0	233.0	203.4	190.6	184.3	181.3	181.0
42.5°	733.7	681.8	562.6	420.6	303.4	234.9	203.8	191.7	185.0	181.3	180.6
45°	814.4	758.1	608.7	441.6	309.1	234.9	203.4	191.4	185.0	180.2	179.4
47.5°	895.7	832.0	656.6	459.2	311.6	233.7	202.6	191.1	184.6	178.6	178.0
50°	980.3	905.8	702.0	473.1	311.3	231.5	200.8	189.9	183.2	176.8	176.0
52.5°	1059.7	973.6	743.6	482.8	309.1	228.2	198.6	188.8	182.0	175.0	174.2
55°	1136.9	1041.8	779.6	488.1	304.2	224.0	196.3	187.3	181.0	173.0	172.7
57.5°	1199.1	1099.0	807.7	487.8	297.0	218.7	193.7	185.4	179.4	172.0	171.2
60°	1250.0	1145.1	825.6	482.1	288.5	213.5	190.6	183.2	178.0	170.5	169.4
62.5°	1280.0	1170.9	830.2	470.2	277.9	207.5	186.5	179.8	175.4	168.6	167.5
63°	1283.4	1173.2	829.0	467.1	275.7	206.1	185.8	179.4	175.0	168.2	167.0
65°	1282.2	1172.5	818.2	451.8	265.9	200.1	182.0	176.0	172.3	166.0	164.9
67.5°	1252.9	1144.1	787.4	426.3	251.8	192.2	176.0	171.2	167.5	161.8	160.7
70°	1189.8	1083.3	735.8	394.4	236.0	183.2	168.6	164.9	161.0	155.8	154.4
72.5°	1096.1	993.8	666.4	360.3	219.5	172.7	160.3	156.6	153.6	149.1	146.5
75°	973.9	880.3	586.2	322.1	201.6	161.8	150.2	147.2	143.4	139.3	137.1
77.5°	832.0	750.7	501.6	282.9	183.2	149.4	139.3	136.0	132.6	128.2	125.1
80°	688.6	620.4	417.7	244.6	164.9	136.3	127.4	124.3	120.3	115.4	112.4
82.5°	552.2	499.0	341.7	209.4	146.9	123.3	115.0	111.2	106.7	101.9	100.0
85°	431.1	392.2	275.4	177.5	129.3	110.2	102.6	98.9	93.3	87.6	85.4
87.5°	332.5	304.2	221.0	149.4	113.1	97.4	89.9	85.4	80.2	74.6	72.6
90°	255.1	235.7	176.8	125.8	98.6	84.6	78.6	74.6	68.5	63.0	61.4
92.5°	195.6	182.5	141.9	106.0	84.2	74.2	69.0	64.5	58.5	52.8	51.7
95°	150.2	141.6	114.6	88.8	73.1	64.8	60.3	55.4	49.5	44.2	43.0
97.5°	116.5	110.5	92.6	75.0	63.3	56.6	52.8	48.0	41.9	37.0	36.4
100°	90.2	86.6	75.3	63.0	55.0	49.5	45.7	41.6	35.9	30.7	30.7
102.5°	70.5	68.2	61.8	54.0	48.0	43.8	40.4	35.9	30.4	26.2	25.9
105°	55.8	54.7	51.0	46.1	41.9	38.6	35.6	31.1	25.9	22.1	22.1
107.5°	44.6	44.2	42.3	39.4	36.7	34.1	31.4	27.0	22.1	19.1	19.1



REPORT NUMBER: P255004

CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.4	36.4	35.6	33.8	32.2	29.9	27.4	23.6	18.7	16.5	16.5
112.5°	29.9	30.4	29.9	29.2	28.5	26.6	24.4	20.2	16.1	14.6	14.6
115°	25.1	25.4	25.4	25.4	25.1	23.6	21.3	17.6	13.8	12.8	12.8
117.5°	21.3	21.8	22.1	22.1	21.8	20.6	18.7	15.4	12.0	11.3	11.6
120°	18.3	18.7	19.1	19.4	19.1	18.3	16.1	13.1	10.5	10.2	10.2
122.5°	16.1	16.5	16.5	16.8	16.8	16.1	14.2	11.3	9.0	9.0	9.0
125°	13.8	14.2	14.6	14.6	15.0	13.8	12.0	9.4	7.8	7.8	8.2
127.5°	12.3	12.3	12.3	12.8	12.8	12.0	10.5	7.8	6.8	7.1	7.1
130°	10.8	10.8	11.3	11.3	11.3	10.5	8.6	6.8	6.0	6.3	6.3
132.5°	9.4	9.8	9.8	9.4	9.4	9.0	7.1	5.6	5.3	5.6	5.6
135°	8.2	8.6	8.6	7.8	7.8	7.1	6.0	4.5	4.9	4.9	5.3
137.5°	7.1	7.5	7.1	6.8	6.3	6.0	4.9	3.8	4.2	4.5	4.5
140°	6.0	6.0	6.0	5.6	5.3	4.5	3.8	2.9	3.8	3.8	3.8
142.5°	4.9	4.9	4.9	4.5	3.8	3.4	2.6	2.6	2.9	2.9	2.9
145°	3.8	3.8	3.8	3.4	2.6	2.3	1.8	1.8	2.3	2.6	2.6
147.5°	2.6	2.6	2.6	2.3	1.5	1.1	1.1	1.5	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.5	1.1	0.8	0.8	1.1	1.1	1.5	1.5
152.5°	1.1	1.5	1.5	1.1	0.8	0.3	0.3	0.8	0.8	0.8	0.8
155°	0.8	0.8	1.1	0.8	0.8	0.3	0.0	0.0	0.3	0.3	0.3
157.5°	0.8	0.8	0.8	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	0.3	0.3	0.3	0.3	0.3	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)