Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P266038

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-FL-7027**

Issue Date: 3/3/2020

Report Generated By E9812814

Test Information

Test Method:	LM-79-08
Report Number:	P266038
	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-7027
Description:	DECORATIVE POST TOP LUMINAIRE
	(1) 70 CRI, 2700K, 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:	2787.4 lumens
Efficiency:	N/A
Efficacy:	89.9 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

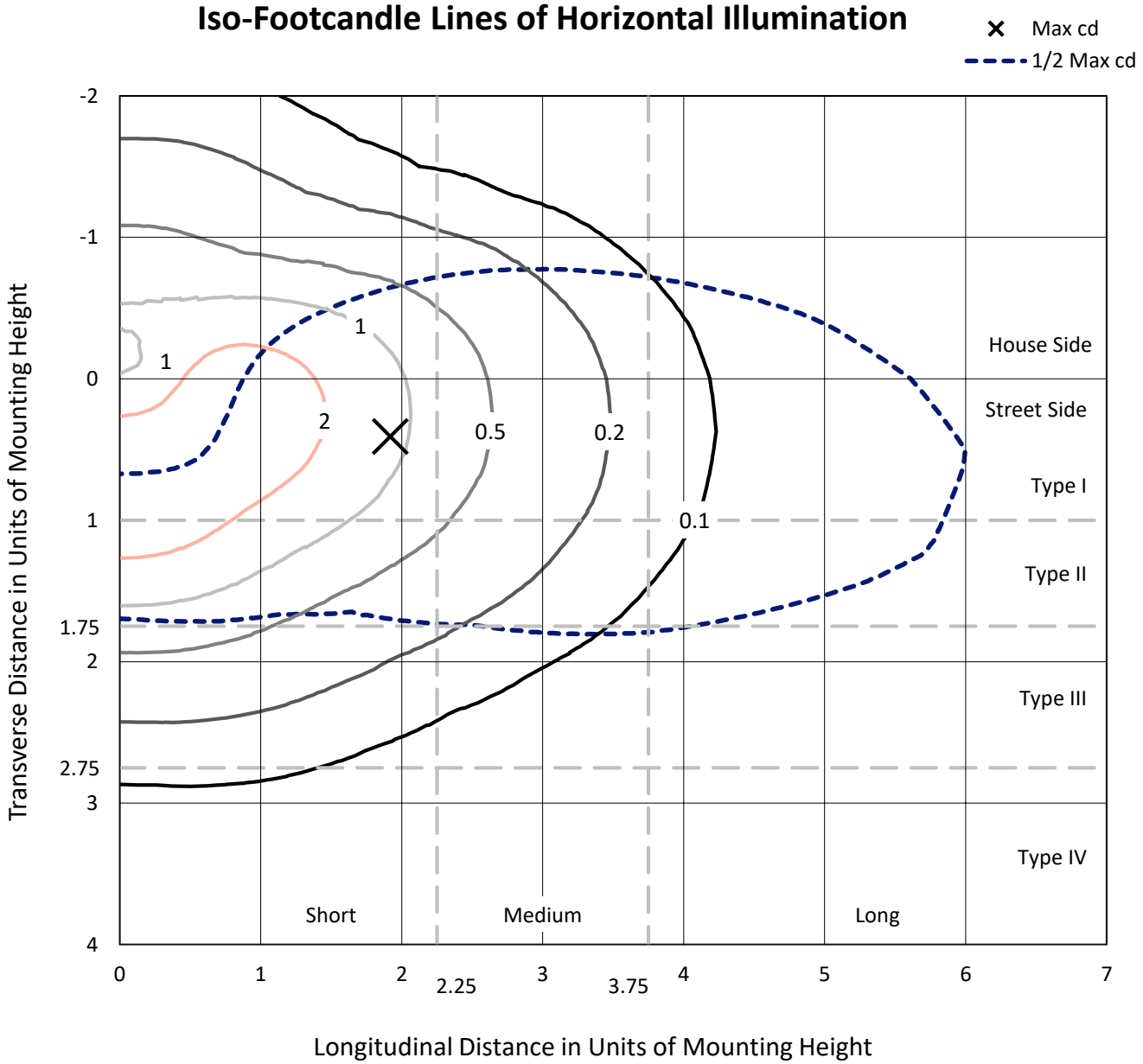
Input Watts (W):	31
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

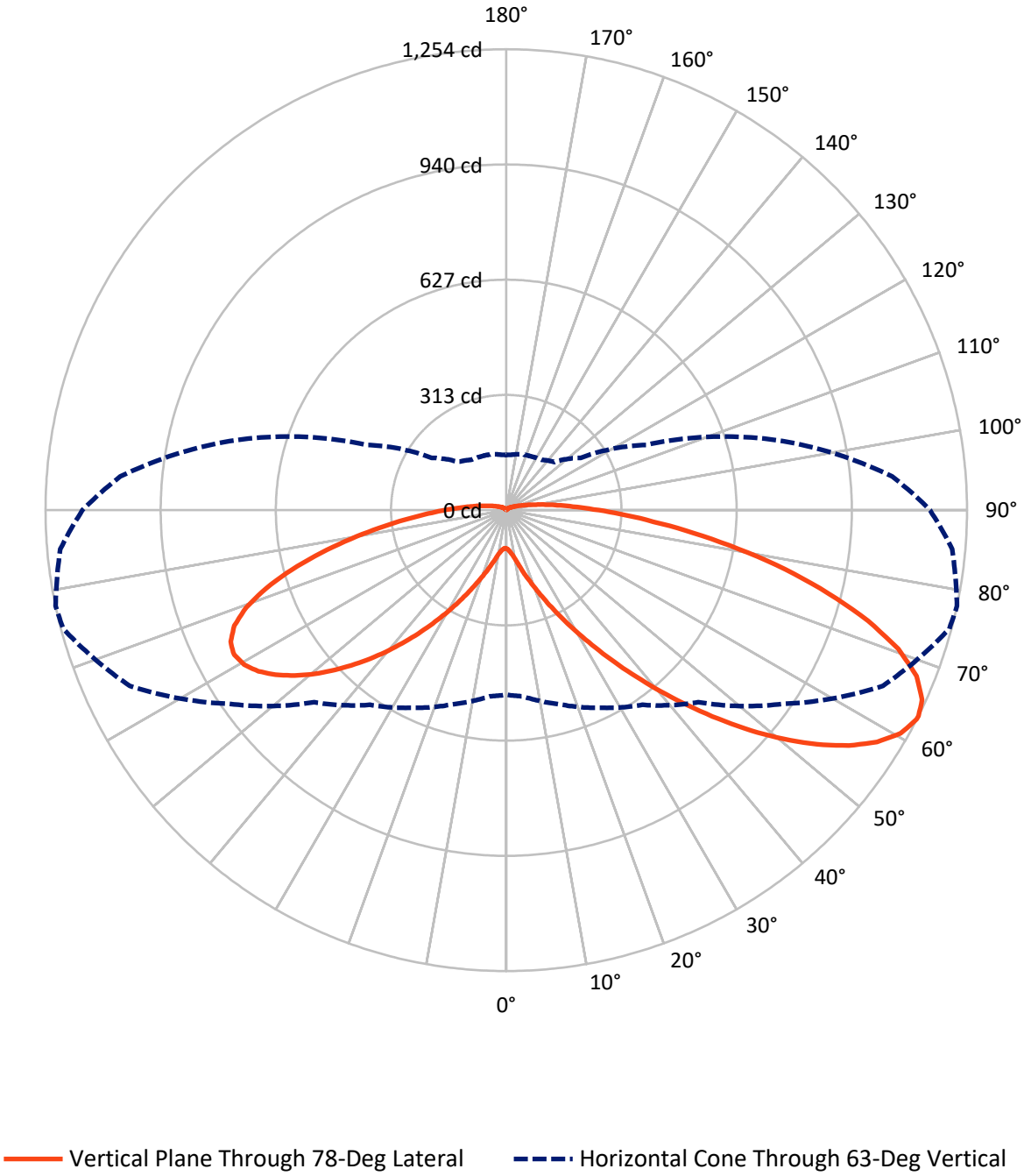
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Short - Non-Cutoff

REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

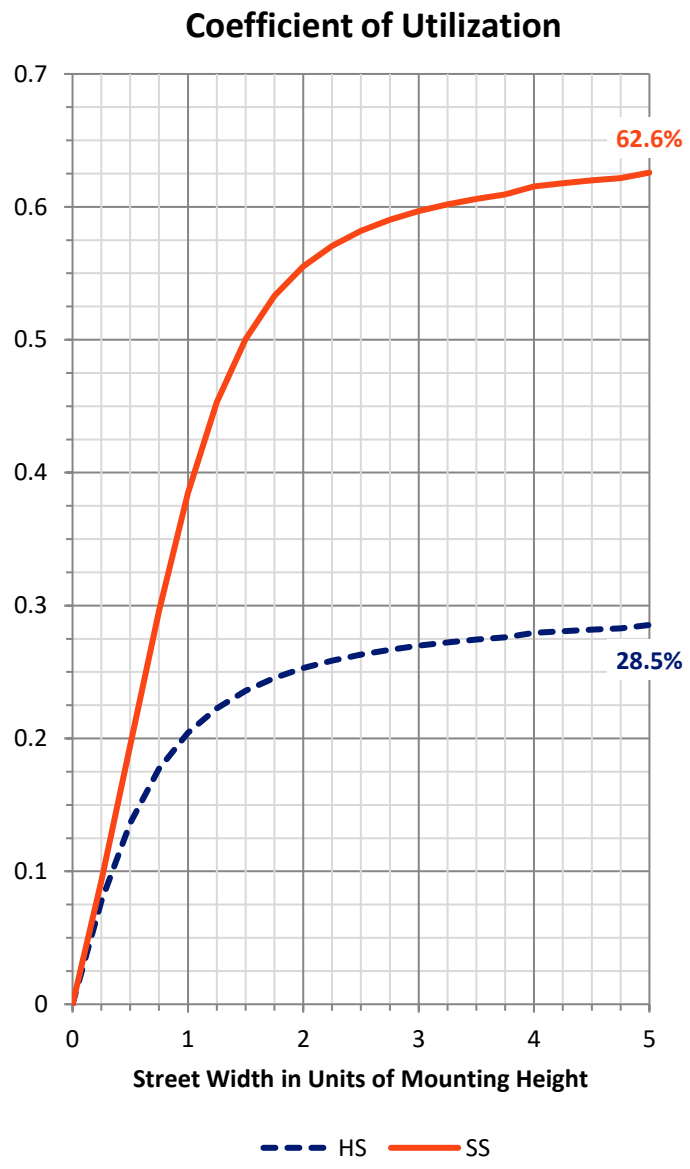
REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.0	75.7	903.7
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	1790.0	93.7	1883.7
	% Fixture	64.2	3.4	67.6
Total	Lumens	2618.0	169.4	2787.4
	% Fixture	93.9	6.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.4
10°-20°	47.5	1.7
20°-30°	124.2	4.5
30°-40°	257.8	9.2
40°-50°	434.3	15.6
50°-60°	570.8	20.5
60°-70°	565.2	20.3
70°-80°	402.4	14.4
80°-90°	204.8	7.3
90°-100°	89.1	3.2
100°-110°	40.8	1.5
110°-120°	20.7	0.7
120°-130°	11.0	0.4
130°-140°	5.5	0.2
140°-150°	2.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2618.0	93.9
0°-180°	2787.4	100.0

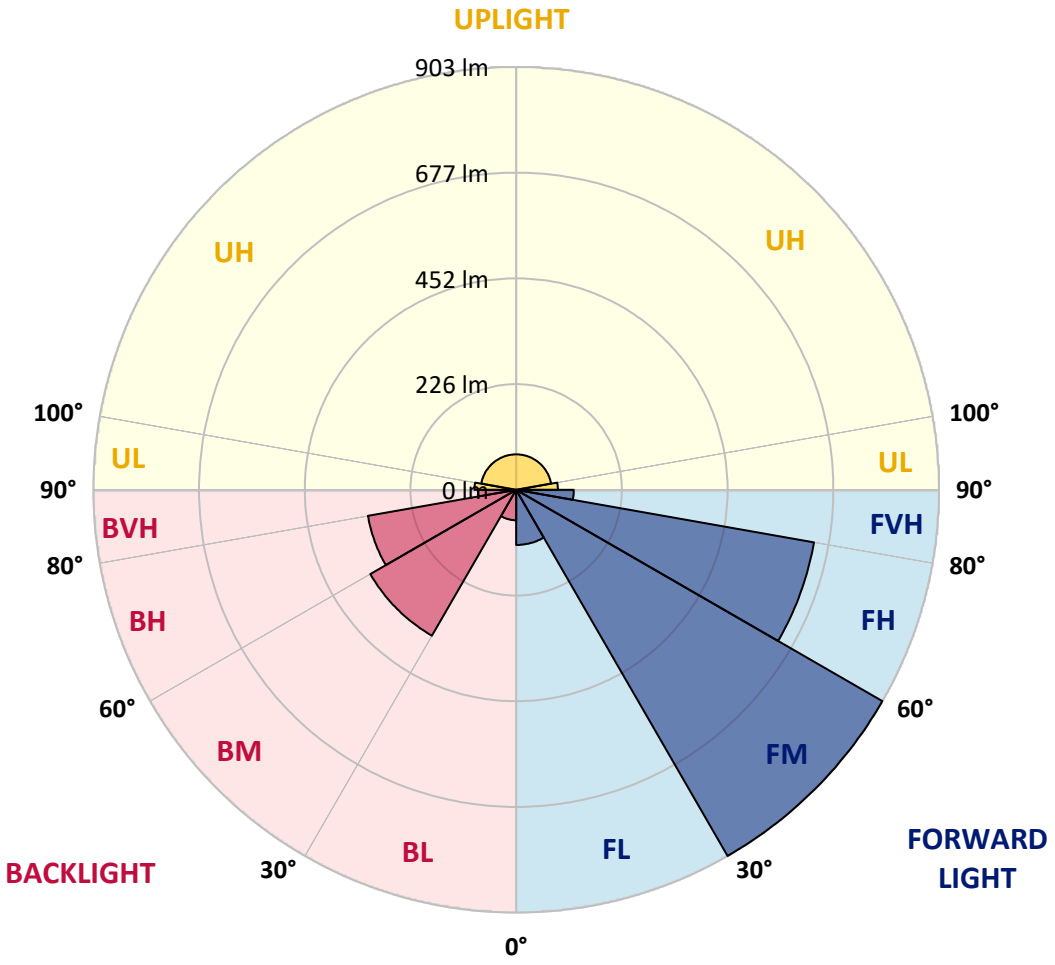


REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	117.8	4.2			
FM	(30°-60°)	903.2	32.4			
FH	(60°-80°)	646.0	23.2			G0/660
FVH	(80°-90°)	123.0	4.4			G2/225
BL	(0°-30°)	65.0	2.3	B0/110		
BM	(30°-60°)	359.7	12.9	B1/1000		
BH	(60°-80°)	321.6	11.5	B1/500		G1/500
BVH	(80°-90°)	81.8	2.9			G1/100
UL	(90°-100°)	89.1	3.2		U3/500	
UH	(100°-180°)	75.7	2.7		U3/500	

BUG Rating: B1-U3-G2
Type II Short



REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	*104.4*	104.4
2.5°	115.7	116.2	116.2	115.4	114.8	113.4	112.1	110.4	108.1	*107.6*	106.0
5°	129.5	129.8	129.5	128.2	126.9	124.5	121.8	118.8	114.8	*114.4*	111.4
7.5°	146.3	146.8	146.3	144.0	141.7	138.2	134.6	130.3	124.5	*123.4*	119.5
10°	167.3	168.0	166.9	164.8	160.8	155.8	151.1	144.6	138.7	*136.4*	131.2
12.5°	193.9	193.9	191.8	188.7	183.8	177.3	171.2	163.5	156.8	*153.4*	148.1
15°	223.5	223.8	221.2	217.4	212.0	202.3	195.6	187.4	179.0	*176.0*	168.3
17.5°	257.5	258.2	254.7	249.4	242.0	232.2	223.8	214.3	204.6	*199.6*	191.5
20°	297.1	297.1	293.4	286.4	276.9	266.2	255.4	244.7	233.9	*227.8*	219.4
22.5°	342.3	342.3	337.9	328.4	314.9	303.2	291.4	279.4	267.5	*261.1*	250.4
25°	394.4	396.4	388.0	376.2	361.1	344.6	332.8	318.7	305.9	*298.7*	287.0
27.5°	453.3	454.3	443.9	426.3	406.8	389.7	376.5	363.8	349.6	*342.3*	328.2
30°	516.5	514.5	505.0	484.2	458.7	437.7	424.7	413.0	396.7	*391.0*	375.5
32.5°	584.4	583.2	571.1	542.4	514.9	489.5	475.5	468.0	451.8	*445.5*	429.0
35°	656.2	653.8	639.4	609.4	573.1	545.5	532.6	529.0	514.2	*507.8*	487.9
37.5°	731.2	725.8	707.7	669.6	632.0	602.7	597.0	591.5	581.8	*575.0*	551.5
40°	791.0	788.7	770.6	731.0	690.2	665.6	662.0	665.6	656.2	*648.4*	621.2
42.5°	839.6	837.8	823.4	784.4	743.6	721.1	725.1	737.2	734.3	*726.5*	696.2
45°	873.2	871.5	861.0	827.5	790.1	773.6	791.8	814.0	816.0	*809.6*	774.0
47.5°	885.0	884.0	878.3	853.7	825.2	821.1	857.1	892.0	900.6	*895.2*	854.6
50°	869.9	870.5	872.6	861.5	844.0	855.4	908.5	966.4	984.6	*978.6*	935.5
52.5°	830.8	833.2	842.9	846.7	844.0	873.2	951.7	1033.7	1064.8	*1057.9*	1013.6
55°	770.9	774.2	791.4	810.6	824.5	871.9	978.6	1090.6	1135.0	*1130.2*	1084.3
57.5°	692.1	698.9	722.1	756.2	784.0	851.1	986.2	1129.6	1192.6	*1189.1*	1144.4
60°	605.0	610.8	642.6	687.2	727.4	810.4	969.5	1146.4	1231.5	*1232.7*	1190.3
62.5°	518.5	524.9	562.6	608.7	660.3	751.7	929.3	1136.4	1247.7	*1252.7*	1216.1
63°	*501.8*	*508.1*	*545.8*	*592.9*	*646.2*	*738.6*	*918.6*	*1130.6*	*1247.7*	*1253.5*	*1217.8*
65°	436.4	442.4	479.9	529.0	585.2	681.5	866.4	1097.0	1234.4	*1243.1*	1215.0
67.5°	360.4	366.8	404.4	452.9	507.2	600.6	784.4	1027.8	1188.2	*1204.0*	1186.1
70°	296.1	302.9	337.1	382.9	433.4	518.5	690.4	934.4	1114.2	*1131.3*	1124.6
72.5°	244.0	249.6	283.3	321.8	366.8	442.4	594.3	822.0	1008.2	*1029.0*	1033.1
75°	199.2	205.3	234.8	269.2	308.8	372.4	501.1	703.4	876.9	*905.9*	917.3
77.5°	162.6	168.3	194.6	224.4	258.2	310.3	415.2	585.5	742.3	*777.4*	792.1
80°	132.6	138.0	159.4	186.8	215.4	257.5	340.2	471.8	609.1	*640.8*	656.2
82.5°	107.6	112.4	131.2	155.1	179.3	213.3	277.7	377.6	486.6	*513.1*	521.6
85°	86.9	90.9	107.6	128.5	149.1	175.3	224.4	298.4	380.6	*401.5*	411.9
87.5°	69.3	72.8	87.9	106.0	123.4	147.4	181.6	238.0	294.5	*309.9*	316.7
90°	56.2	58.8	71.3	86.9	102.6	120.2	147.4	185.1	226.5	*237.6*	242.4
92.5°	45.8	47.8	58.8	71.7	85.8	101.6	120.2	146.3	174.4	*181.6*	184.7
95°	38.4	39.0	48.8	59.8	71.3	84.8	98.3	116.4	134.6	*139.6*	141.0
97.5°	31.4	32.2	40.8	50.8	60.5	70.6	80.4	93.2	104.7	*107.6*	108.1
100°	26.9	27.3	34.3	43.4	51.8	59.8	67.0	74.6	81.4	*82.5*	83.2
102.5°	22.8	23.3	29.3	37.6	44.7	51.6	56.9	61.3	63.9	*64.3*	64.3
105°	19.9	20.2	25.2	32.7	39.0	44.0	48.5	50.1	50.8	*50.5*	50.5
107.5°	17.8	17.8	22.2	28.6	34.3	38.6	41.4	41.7	40.8	*40.1*	40.1

REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.8	16.2	19.6	25.6	30.6	34.0	36.0	35.0	33.0	*32.2*	32.2
112.5°	14.5	14.8	17.2	22.5	26.9	30.4	31.4	29.6	26.9	*26.2*	26.6
115°	13.5	13.5	15.5	19.9	24.3	26.9	27.3	25.2	22.2	*21.9*	22.2
117.5°	12.4	12.4	13.8	17.8	21.5	23.9	23.9	21.5	18.9	*18.1*	18.5
120°	11.8	11.8	12.8	15.8	19.1	21.2	20.9	18.5	15.8	*15.8*	16.2
122.5°	11.0	11.0	11.8	14.2	17.2	18.9	18.5	15.8	13.5	*13.5*	13.8
125°	10.4	10.4	10.8	12.8	15.1	16.4	16.2	13.5	11.8	*11.8*	12.0
127.5°	9.7	9.7	10.2	11.5	13.5	14.5	13.8	11.5	10.4	*10.4*	10.8
130°	9.4	9.4	9.4	10.2	11.8	12.8	11.8	9.7	9.2	*9.2*	9.4
132.5°	8.8	8.8	8.8	9.2	10.2	10.8	10.2	8.4	8.1	*8.1*	8.4
135°	8.4	8.4	8.1	8.1	8.8	9.2	8.1	7.0	7.0	*7.0*	7.4
137.5°	7.7	7.7	7.4	7.0	7.4	7.4	6.7	5.7	6.1	*6.1*	6.4
140°	7.0	7.0	6.7	6.1	5.7	5.7	5.0	4.8	5.0	*5.0*	5.4
142.5°	6.1	6.1	5.7	5.0	4.4	4.0	3.8	3.8	4.0	*4.0*	4.4
145°	5.0	5.0	4.8	4.0	3.4	3.1	2.6	2.6	3.1	*3.1*	3.4
147.5°	4.0	4.0	3.8	3.1	2.3	1.6	1.6	2.1	2.3	*2.3*	2.3
150°	3.4	3.4	3.1	2.3	1.3	1.0	0.7	1.0	1.3	*1.3*	1.3
152.5°	2.3	2.3	2.1	1.3	1.0	0.3	0.3	0.7	1.0	*1.0*	1.0
155°	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3	0.7	*0.7*	0.7
157.5°	0.7	0.7	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: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
2.5°	105.3	104.7	102.9	101.2	99.9	99.0	98.3	97.2	96.8	96.6	96.6
5°	109.8	108.1	105.0	102.0	99.3	96.8	95.0	93.2	92.2	91.5	91.8
7.5°	116.8	114.1	109.8	105.0	100.6	97.2	94.2	92.2	90.5	89.6	89.6
10°	127.9	124.1	117.5	110.8	105.3	100.3	96.6	93.6	91.5	90.5	90.5
12.5°	143.6	139.0	129.5	120.2	112.7	106.0	101.2	98.3	97.6	96.6	96.6
15°	162.6	156.8	145.3	133.3	123.2	114.1	110.0	107.3	105.7	104.4	104.4
17.5°	184.7	177.3	162.9	148.1	135.6	126.2	119.5	115.7	113.7	112.7	112.7
20°	210.4	201.2	183.4	164.8	149.4	139.2	130.3	124.5	122.4	121.5	121.1
22.5°	239.9	228.8	207.2	184.1	165.8	152.4	141.7	133.3	131.0	129.8	129.3
25°	275.3	262.8	234.2	205.9	183.4	164.8	151.8	142.3	139.0	138.0	137.6
27.5°	314.9	299.9	264.8	230.1	200.0	176.0	160.4	150.7	146.3	145.0	145.3
30°	359.4	341.5	298.4	254.7	216.0	186.0	167.5	157.2	152.4	151.1	151.1
32.5°	408.9	385.4	335.2	280.6	231.1	194.6	173.6	162.9	157.2	156.1	156.1
35°	463.3	438.8	374.9	307.0	244.7	201.2	178.0	167.3	161.2	159.9	159.9
37.5°	526.0	493.7	417.0	332.2	256.0	206.3	181.1	169.9	163.9	161.9	161.9
40°	589.6	552.2	460.7	356.0	265.9	209.3	182.7	171.2	165.6	162.9	162.6
42.5°	659.1	612.5	505.4	377.8	272.5	211.0	183.1	172.2	166.2	162.9	162.2
45°	731.6	681.0	546.8	396.7	277.7	211.0	182.7	171.9	166.2	161.9	161.2
47.5°	804.6	747.4	589.8	412.5	279.9	209.9	182.0	171.7	165.8	160.4	159.9
50°	880.6	813.7	630.6	425.0	279.6	208.0	180.4	170.6	164.6	158.8	158.1
52.5°	951.9	874.6	668.0	433.7	277.7	205.0	178.4	169.6	163.5	157.2	156.5
55°	1021.3	935.9	700.3	438.5	273.3	201.2	176.3	168.3	162.6	155.4	155.1
57.5°	1077.2	987.2	725.6	438.2	266.8	196.5	174.0	166.5	161.2	154.5	153.8
60°	1122.9	1028.6	741.6	433.1	259.2	191.8	171.2	164.6	159.9	153.2	152.2
62.5°	1149.8	1051.8	745.8	422.4	249.6	186.4	167.5	161.5	157.6	151.5	150.5
63°	*1152.9*	*1053.9*	*744.7*	*419.6*	*247.7*	*185.1*	*166.9*	*161.2*	*157.2*	*151.1*	*150.0*
65°	1151.8	1053.3	735.0	405.9	238.9	179.8	163.5	158.1	154.8	149.1	148.1
67.5°	1125.5	1027.8	707.3	382.9	226.2	172.7	158.1	153.8	150.5	145.3	144.4
70°	1068.8	973.1	661.0	354.3	212.0	164.6	151.5	148.1	144.6	140.0	138.7
72.5°	984.6	892.7	598.6	323.7	197.2	155.1	144.0	140.7	138.0	133.9	131.6
75°	874.9	790.8	526.6	289.3	181.1	145.3	134.9	132.2	128.8	125.1	123.2
77.5°	747.4	674.4	450.6	254.1	164.6	134.2	125.1	122.2	119.1	115.2	112.4
80°	618.6	557.3	375.2	219.7	148.1	122.4	114.4	111.7	108.1	103.7	101.0
82.5°	496.0	448.3	307.0	188.1	132.0	110.8	103.3	99.9	95.8	91.5	89.8
85°	387.3	352.3	247.4	159.4	116.2	99.0	92.2	88.8	83.8	78.7	76.7
87.5°	298.7	273.3	198.5	134.2	101.6	87.5	80.8	76.7	72.0	67.0	65.2
90°	229.2	211.7	158.8	113.0	88.6	76.0	70.6	67.0	61.5	56.6	55.2
92.5°	175.7	163.9	127.5	95.2	75.6	66.7	62.0	57.9	52.6	47.4	46.4
95°	134.9	127.2	102.9	79.8	65.7	58.2	54.2	49.8	44.5	39.7	38.6
97.5°	104.7	99.3	83.2	67.4	56.9	50.8	47.4	43.1	37.6	33.2	32.7
100°	81.0	77.8	67.6	56.6	49.4	44.5	41.1	37.4	32.2	27.6	27.6
102.5°	63.3	61.3	55.5	48.5	43.1	39.3	36.3	32.2	27.3	23.5	23.3
105°	50.1	49.1	45.8	41.4	37.6	34.7	32.0	27.9	23.3	19.9	19.9
107.5°	40.1	39.7	38.0	35.4	33.0	30.6	28.2	24.3	19.9	17.2	17.2

REPORT NUMBER: P266038
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.7	32.7	32.0	30.4	28.9	26.9	24.6	21.2	16.8	14.8	14.8
112.5°	26.9	27.3	26.9	26.2	25.6	23.9	21.9	18.1	14.5	13.1	13.1
115°	22.5	22.8	22.8	22.8	22.5	21.2	19.1	15.8	12.4	11.5	11.5
117.5°	19.1	19.6	19.9	19.9	19.6	18.5	16.8	13.8	10.8	10.2	10.4
120°	16.4	16.8	17.2	17.4	17.2	16.4	14.5	11.8	9.4	9.2	9.2
122.5°	14.5	14.8	14.8	15.1	15.1	14.5	12.8	10.2	8.1	8.1	8.1
125°	12.4	12.8	13.1	13.1	13.5	12.4	10.8	8.4	7.0	7.0	7.4
127.5°	11.0	11.0	11.0	11.5	11.5	10.8	9.4	7.0	6.1	6.4	6.4
130°	9.7	9.7	10.2	10.2	10.2	9.4	7.7	6.1	5.4	5.7	5.7
132.5°	8.4	8.8	8.8	8.4	8.4	8.1	6.4	5.0	4.8	5.0	5.0
135°	7.4	7.7	7.7	7.0	7.0	6.4	5.4	4.0	4.4	4.4	4.8
137.5°	6.4	6.7	6.4	6.1	5.7	5.4	4.4	3.4	3.8	4.0	4.0
140°	5.4	5.4	5.4	5.0	4.8	4.0	3.4	2.6	3.4	3.4	3.4
142.5°	4.4	4.4	4.4	4.0	3.4	3.1	2.3	2.3	2.6	2.6	2.6
145°	3.4	3.4	3.4	3.1	2.3	2.1	1.6	1.6	2.1	2.3	2.3
147.5°	2.3	2.3	2.3	2.1	1.3	1.0	1.0	1.3	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.3	1.0	0.7	0.7	1.0	1.0	1.3	1.3
152.5°	1.0	1.3	1.3	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7
155°	0.7	0.7	1.0	0.7	0.7	0.3	0.0	0.0	0.3	0.3	0.3
157.5°	0.7	0.7	0.7	0.7	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)