

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: P266079

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T4W-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3573.6 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

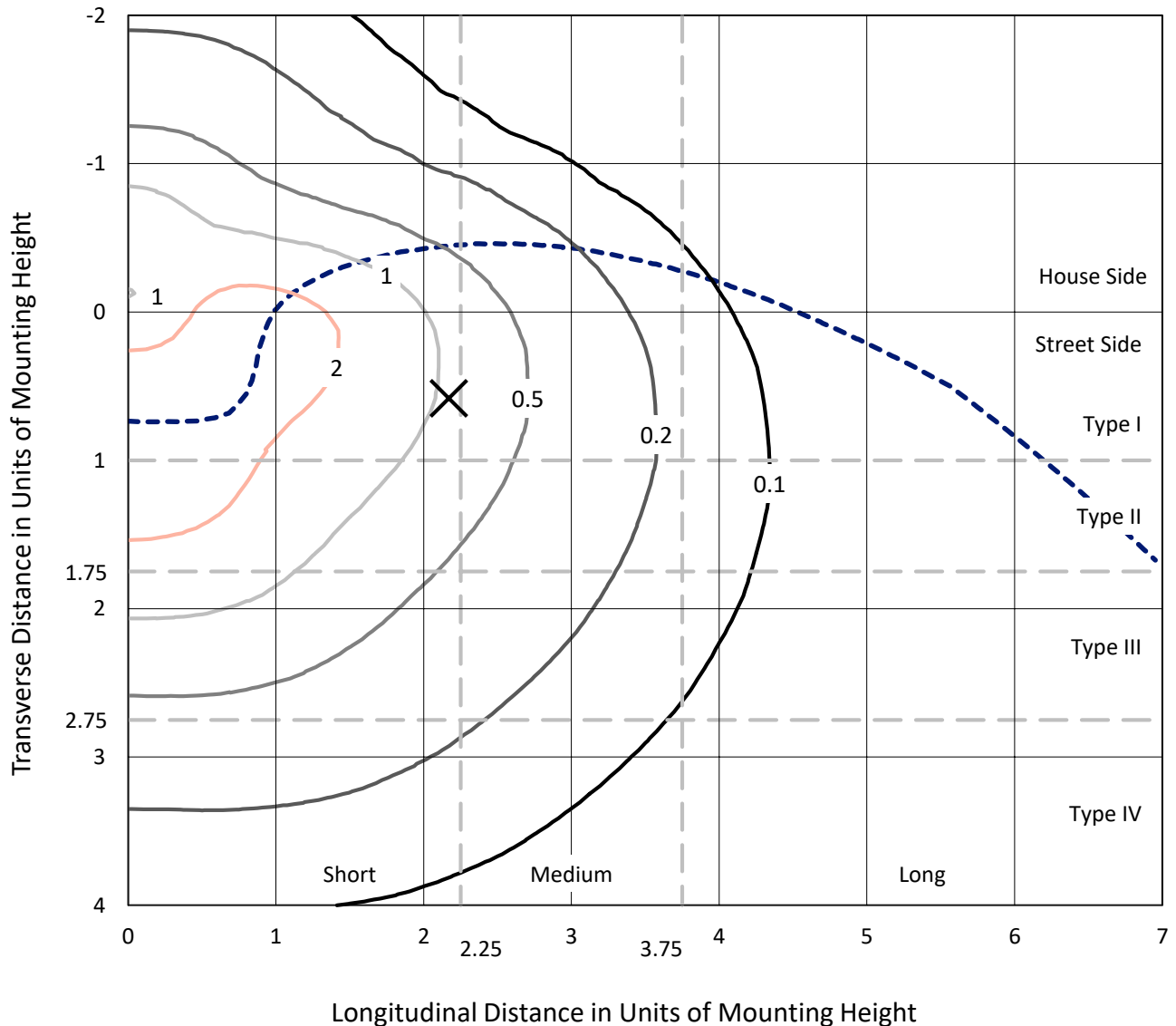
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P266079
 CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

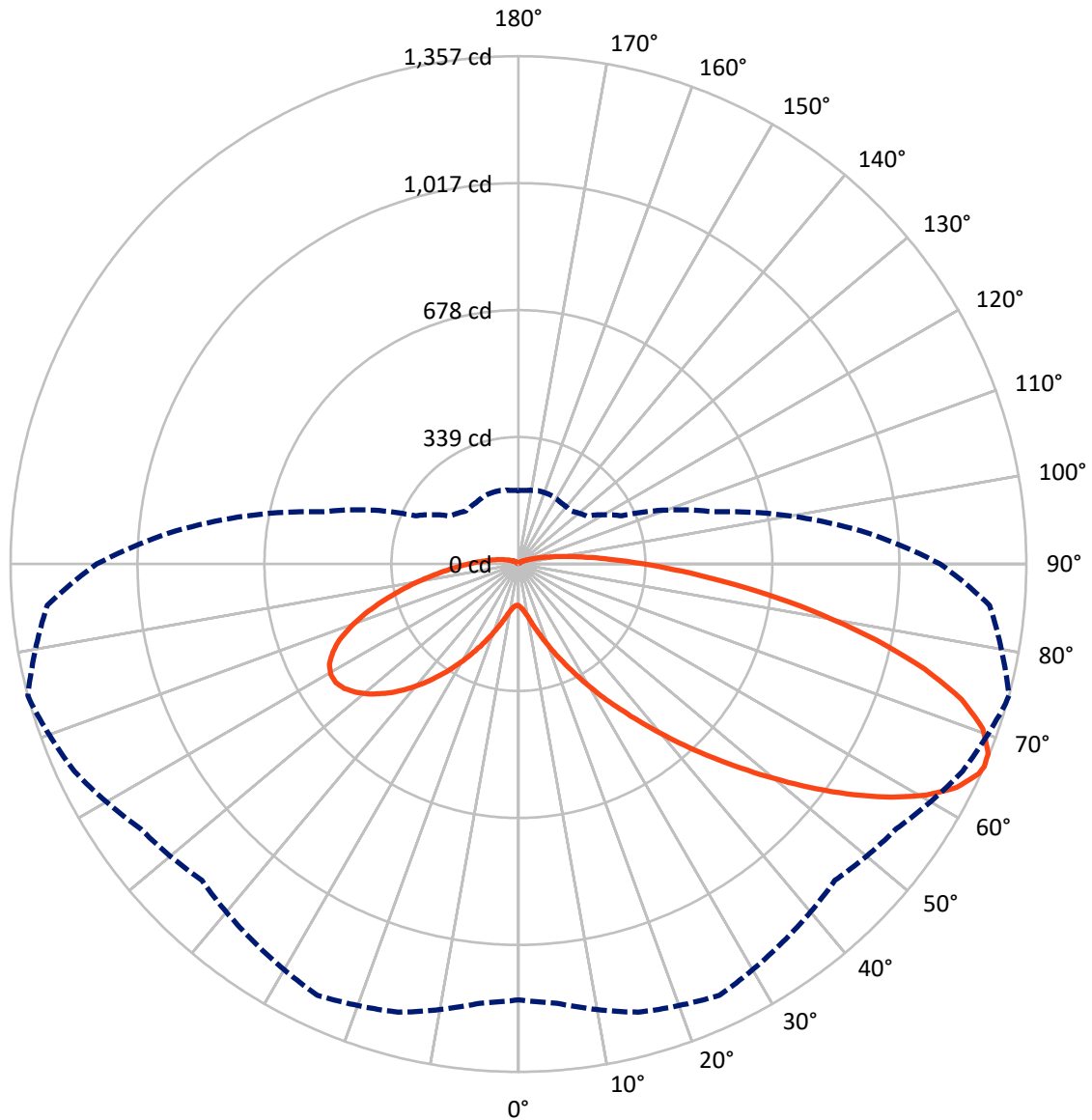


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

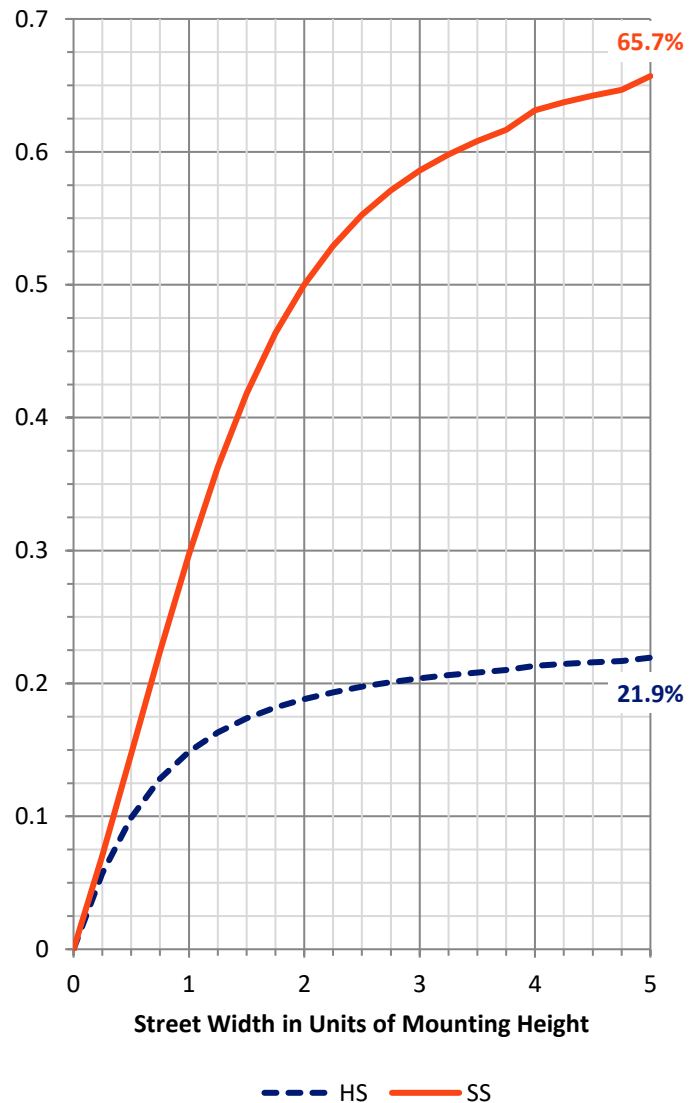
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	828.1	89.2	917.4
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	2483.1	173.1	2656.2
	% Fixture	69.5	4.8	74.3
Total	Lumens	3311.2	262.4	3573.6
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.3
10°-20°	49.5	1.4
20°-30°	125.2	3.5
30°-40°	250.5	7.0
40°-50°	425.9	11.9
50°-60°	633.8	17.7
60°-70°	778.2	21.8
70°-80°	669.3	18.7
80°-90°	366.9	10.3
90°-100°	153.1	4.3
100°-110°	62.6	1.8
110°-120°	27.5	0.8
120°-130°	12.6	0.4
130°-140°	5.2	0.1
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3311.2	92.7
0°-180°	3573.6	100.0



REPORT NUMBER: P266079

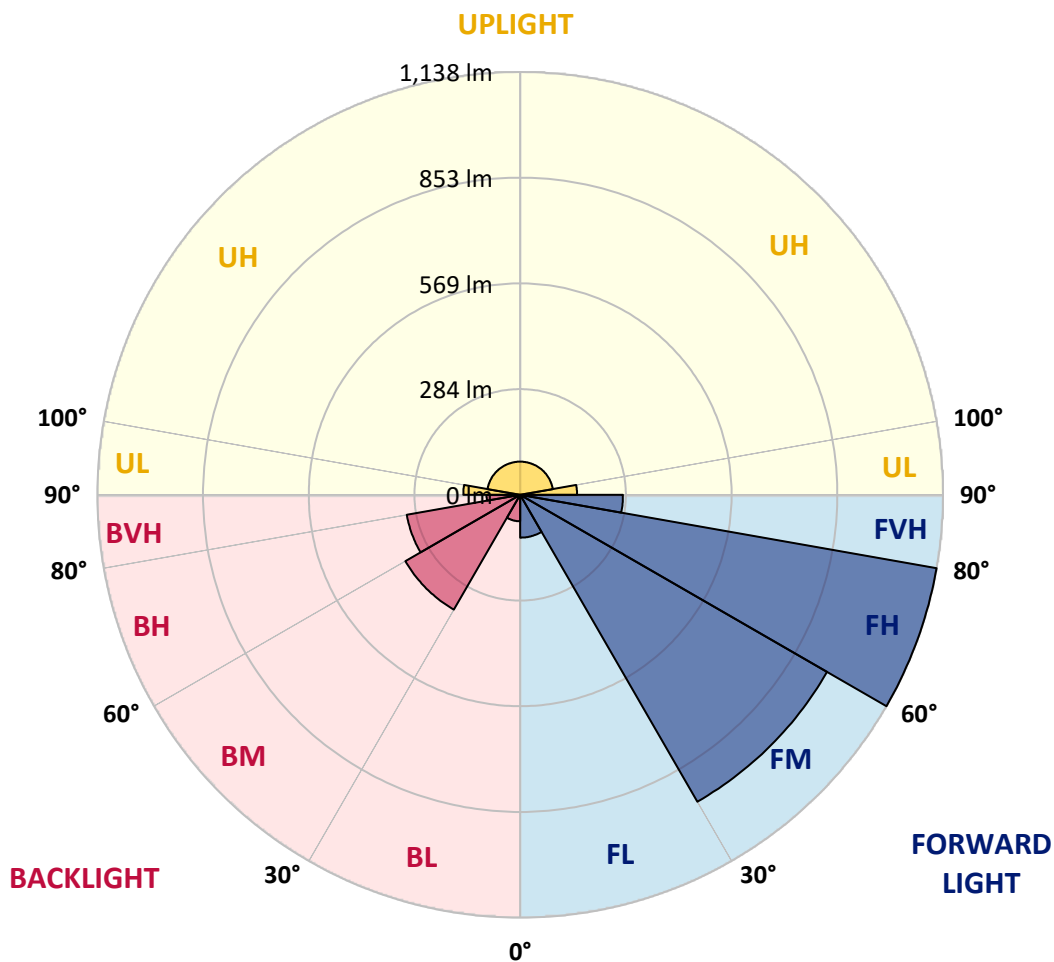
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.3	3.2			
FM	(30°-60°)	953.6	26.7			
FH	(60°-80°)	1137.8	31.8			G1/1800
FVH	(80°-90°)	276.4	7.7			G3/500
BL	(0°-30°)	71.2	2.0	B0/110		
BM	(30°-60°)	356.7	10.0	B1/1000		
BH	(60°-80°)	309.7	8.7	B1/500		G1/500
BVH	(80°-90°)	90.5	2.5			G1/100
UL	(90°-100°)	153.1	4.3		U3/500	
UH	(100°-180°)	89.2	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6
2.5°	122.9	122.9	122.4	122.4	121.1	119.8	118.9	116.8	115.5	115.5	113.7
5°	136.0	136.0	135.6	134.7	132.9	130.8	128.1	125.0	122.4	122.0	118.9
7.5°	152.1	152.1	151.3	149.5	146.9	143.8	140.3	136.0	132.1	131.2	126.8
10°	172.1	172.1	170.8	168.3	164.7	160.7	155.9	149.8	144.6	144.3	138.1
12.5°	197.4	196.1	195.2	190.9	186.0	180.9	175.2	167.8	162.6	162.6	154.2
15°	226.2	226.2	222.7	217.0	210.9	203.9	197.8	190.4	184.3	184.0	174.4
17.5°	258.0	257.5	253.6	246.7	238.4	231.5	223.6	215.2	208.2	208.2	197.0
20°	294.6	293.7	288.4	279.4	269.3	261.4	252.8	243.1	235.7	235.7	223.0
22.5°	336.4	334.7	328.2	315.5	305.5	294.1	284.1	274.5	266.6	267.5	253.2
25°	383.4	381.3	372.9	356.8	342.6	329.0	319.0	308.9	303.3	301.1	289.3
27.5°	436.7	432.3	423.1	402.6	382.1	365.6	355.1	347.7	342.6	340.7	327.3
30°	495.1	490.7	478.0	452.3	425.3	404.3	394.4	388.6	386.1	383.8	370.5
32.5°	561.7	556.9	539.4	507.3	472.4	446.2	436.7	434.1	434.1	432.3	418.8
35°	634.1	627.9	607.1	566.6	522.5	491.2	481.9	483.3	483.6	482.4	471.0
37.5°	711.2	704.6	679.7	631.4	576.5	539.1	529.9	536.0	544.7	539.9	528.2
40°	790.5	784.4	757.8	698.9	633.1	589.2	579.9	592.3	606.1	602.3	589.2
42.5°	869.3	866.8	833.2	770.4	693.8	641.8	635.3	654.1	673.3	670.7	656.2
45°	955.2	947.4	914.7	844.4	758.7	702.8	695.5	720.7	746.9	744.2	730.0
47.5°	1032.3	1024.8	994.0	919.4	824.0	763.5	758.7	792.7	825.7	822.7	808.4
50°	1097.2	1096.4	1070.2	993.0	892.8	826.6	826.3	868.9	909.4	908.5	890.3
52.5°	1159.5	1158.3	1134.3	1064.5	961.7	890.3	893.8	949.5	997.8	997.8	973.6
55°	1207.5	1207.1	1193.0	1132.6	1029.6	960.8	970.9	1032.3	1087.7	1087.7	1063.2
57.5°	1241.1	1240.6	1238.9	1192.7	1095.0	1028.0	1043.7	1113.8	1173.9	1175.3	1143.1
60°	1249.0	1252.7	1270.3	1241.1	1153.5	1088.9	1110.3	1188.7	1250.6	1252.7	1208.8
62.5°	1234.9	1241.1	1276.3	1270.3	1197.9	1143.9	1170.4	1251.1	1310.7	1314.3	1253.7
65°	1188.7	1201.5	1255.4	1275.5	1225.7	1184.0	1219.3	1296.3	1346.1	1350.8	1268.0
66°	1163.9	1177.4	1239.3	1270.7	1231.8	1195.3	1232.4	1309.0	1353.4	1356.5	1263.2
67.5°	1116.9	1130.3	1203.5	1252.0	1231.8	1206.2	1243.3	1317.8	1352.2	1353.4	1246.3
70°	1015.8	1036.6	1118.6	1193.6	1206.7	1200.6	1242.7	1304.7	1320.4	1315.9	1181.4
72.5°	904.7	916.5	1006.2	1108.1	1152.2	1163.9	1212.4	1255.4	1245.1	1238.5	1083.7
75°	758.7	775.6	873.7	990.0	1057.1	1093.3	1145.2	1160.4	1134.3	1120.4	955.2
77.5°	633.7	640.6	732.1	851.5	939.9	989.2	1038.0	1042.8	988.8	976.9	805.7
80°	503.7	510.6	594.8	709.4	805.3	870.2	912.9	900.3	832.3	821.1	666.3
82.5°	393.5	403.1	467.6	576.9	669.7	738.1	770.8	750.4	685.9	669.7	530.8
85°	302.0	306.9	366.9	461.0	542.9	605.3	632.2	609.6	540.3	527.8	417.1
87.5°	230.1	234.8	285.9	360.0	432.3	485.4	506.4	477.5	421.3	413.1	323.7
90°	175.6	179.1	219.6	283.2	339.0	383.0	397.4	374.8	324.6	317.2	249.3
92.5°	134.7	137.7	169.2	219.6	265.4	302.9	308.9	287.5	248.8	242.4	191.8
95°	103.2	106.8	132.1	171.7	207.4	235.7	240.0	221.8	190.9	185.6	147.7
97.5°	81.0	82.4	103.8	136.0	165.2	184.7	186.5	172.6	146.0	142.6	113.7
100°	64.9	65.8	82.4	107.6	131.6	146.0	146.9	132.5	112.0	109.4	87.1
102.5°	52.7	53.5	66.3	86.7	104.7	116.3	115.9	104.7	86.7	83.3	68.0
105°	43.6	43.9	54.1	70.5	85.0	92.9	92.3	81.4	66.7	64.5	53.2
107.5°	36.7	37.0	44.5	57.5	69.7	76.3	75.0	64.0	51.8	50.6	42.3



REPORT NUMBER: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	30.9	31.4	37.0	47.9	58.7	63.2	61.4	50.9	41.0	39.3	34.0
112.5°	26.9	26.9	31.4	40.1	49.2	53.2	50.6	41.4	32.2	31.4	27.8
115°	23.5	24.0	26.9	34.0	41.9	44.5	41.9	33.1	26.1	25.3	23.0
117.5°	20.9	20.9	23.5	28.7	35.4	37.0	34.5	26.9	21.4	20.9	19.7
120°	18.8	18.8	20.5	24.4	29.6	31.4	28.7	22.2	17.4	17.0	16.6
122.5°	17.0	17.0	17.8	20.9	25.3	26.1	23.5	18.2	14.8	14.5	14.5
125°	15.2	15.2	15.7	17.8	21.4	22.2	19.7	14.8	12.7	12.1	12.1
127.5°	14.0	14.0	14.0	15.7	17.4	18.2	16.1	12.1	10.5	10.5	10.9
130°	12.7	12.7	12.7	13.0	14.5	14.8	13.0	10.1	9.2	9.2	9.2
132.5°	11.3	11.3	10.9	11.3	11.8	11.8	10.1	8.3	7.8	7.8	8.3
135°	10.1	10.1	9.6	9.6	9.6	9.2	7.8	6.6	6.6	6.6	6.9
137.5°	8.8	8.8	8.3	7.8	7.4	6.6	5.7	5.2	5.2	5.2	5.7
140°	7.4	7.4	6.9	6.1	5.2	4.9	4.0	4.0	4.3	4.3	4.3
142.5°	5.7	5.7	5.2	4.9	4.0	3.1	2.6	2.6	3.1	3.1	3.6
145°	4.3	4.3	4.0	3.1	2.2	1.7	1.3	1.7	2.2	2.2	2.6
147.5°	3.1	3.1	2.6	2.2	1.3	0.4	0.9	1.3	1.7	1.7	2.2
150°	1.7	1.7	1.3	0.9	0.0	0.0	0.4	0.9	1.3	1.3	1.3
152.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.9	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6
2.5°	112.8	112.0	110.2	109.0	107.2	106.3	105.5	104.7	104.2	103.2	103.2
5°	116.8	115.5	112.4	109.9	106.8	104.7	102.3	101.1	100.3	99.8	99.8
7.5°	124.1	122.0	117.1	113.2	109.0	106.3	103.8	101.1	99.8	99.4	99.4
10°	134.7	132.1	125.6	119.8	114.2	110.2	107.6	104.7	103.2	102.3	102.3
12.5°	149.8	145.5	137.7	129.4	122.0	117.1	113.7	111.6	111.6	112.4	112.0
15°	169.2	164.3	152.9	142.6	132.5	125.9	123.7	123.2	123.2	123.7	123.7
17.5°	190.0	183.4	170.4	156.8	145.0	138.6	136.0	135.0	135.0	135.6	136.5
20°	215.2	207.0	190.4	173.1	160.3	152.5	148.6	147.3	148.2	149.8	149.8
22.5°	244.5	235.4	213.1	190.9	176.1	166.0	161.2	159.9	161.7	163.9	164.3
25°	278.0	265.8	238.0	210.5	191.2	178.7	173.8	172.1	174.7	177.3	178.7
27.5°	315.0	299.3	264.9	230.1	204.9	189.5	184.3	184.0	187.3	190.9	192.1
30°	356.0	336.9	293.7	250.5	218.7	199.2	193.4	194.8	198.7	203.0	203.9
32.5°	401.4	378.6	323.7	270.6	229.6	206.5	200.1	203.0	207.9	213.5	214.3
35°	450.6	423.1	355.5	289.3	239.2	212.2	205.7	209.7	214.9	221.0	221.8
37.5°	504.2	470.6	387.3	306.0	246.7	215.8	208.8	213.5	219.6	225.2	226.2
40°	560.0	519.8	419.1	320.8	251.9	217.8	210.1	215.2	221.3	225.7	226.6
42.5°	623.2	572.9	450.1	332.6	254.8	218.3	210.1	214.9	221.0	223.9	224.4
45°	690.3	629.3	480.7	342.1	256.2	217.8	208.8	213.9	218.7	220.1	220.5
47.5°	760.0	686.8	508.1	347.7	256.2	216.1	207.0	210.9	214.9	214.3	214.9
50°	837.5	746.9	533.9	351.1	254.5	213.9	205.3	208.2	210.9	208.8	209.1
52.5°	910.7	806.6	554.8	352.6	251.4	211.3	203.5	206.2	207.4	204.4	204.4
55°	983.6	862.8	571.7	349.9	247.6	209.1	202.2	204.9	204.9	201.0	201.0
57.5°	1051.0	910.7	581.4	344.7	242.7	207.4	201.3	203.9	203.9	198.7	198.7
60°	1103.4	945.1	581.7	336.4	237.1	205.3	201.0	203.9	203.5	198.3	197.8
62.5°	1135.2	960.4	571.7	324.6	231.5	203.0	200.4	203.5	203.5	197.8	197.4
65°	1135.2	950.3	549.9	310.8	224.8	200.4	199.6	203.5	202.7	197.4	196.5
66°	1126.5	939.4	538.2	304.5	222.7	199.6	199.2	203.5	202.7	197.4	196.1
67.5°	1102.5	913.3	519.0	294.6	217.4	197.4	198.3	202.2	201.8	196.1	195.2
70°	1032.7	845.8	477.5	276.7	209.7	193.4	195.7	199.2	198.7	193.4	191.8
72.5°	930.4	756.9	430.6	257.5	201.0	188.3	190.9	194.4	193.4	189.2	187.3
75°	809.6	656.2	379.5	237.1	190.4	181.3	184.3	187.3	186.5	182.5	180.0
77.5°	679.4	552.5	329.0	215.8	179.5	172.6	175.6	178.7	177.0	173.5	171.7
80°	551.6	452.3	281.1	194.4	166.8	162.6	165.6	166.5	165.2	162.1	159.9
82.5°	440.1	363.9	235.7	173.5	153.4	150.7	152.9	152.9	151.6	148.6	146.5
85°	345.6	290.2	198.3	152.5	139.9	138.1	139.4	138.1	136.5	133.4	131.6
87.5°	272.4	232.8	166.0	134.1	125.0	124.7	125.0	122.0	120.3	117.7	115.9
90°	212.7	182.5	138.6	116.8	111.6	111.1	110.2	107.2	103.2	100.7	99.4
92.5°	166.0	146.9	114.7	99.8	97.1	96.7	95.4	91.4	88.9	85.3	84.1
95°	131.6	117.1	95.0	86.2	85.0	84.5	82.9	78.4	75.0	71.4	70.5
97.5°	103.2	92.9	79.3	74.1	73.7	73.2	71.1	66.3	62.3	58.7	58.4
100°	81.0	74.5	66.3	63.6	63.6	63.2	61.1	56.2	51.5	47.9	47.5
102.5°	64.5	60.1	55.3	54.4	54.4	54.1	51.8	47.9	42.3	38.4	38.4
105°	51.5	48.8	46.3	46.6	47.2	46.6	44.5	39.6	34.0	30.9	30.9
107.5°	41.4	39.6	38.7	39.6	40.1	40.1	37.9	32.7	27.5	24.9	24.9



REPORT NUMBER: P266079

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T4W-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	33.5	32.7	32.7	33.5	34.5	34.5	31.8	27.5	22.2	20.0	20.0
112.5°	27.5	26.9	27.5	29.1	29.6	29.1	26.9	22.6	17.8	16.6	16.6
115°	23.0	23.0	23.5	24.9	25.7	24.9	22.6	18.2	14.5	13.6	13.6
117.5°	19.7	19.7	20.0	21.4	21.7	20.9	18.8	14.8	11.8	11.3	11.3
120°	16.6	16.6	17.0	17.8	18.2	17.4	15.2	12.1	9.6	9.2	9.6
122.5°	14.5	14.5	14.8	15.2	15.7	14.8	12.7	9.6	7.8	7.8	7.8
125°	12.7	12.7	12.7	13.0	13.0	12.1	10.5	7.8	6.1	6.6	6.6
127.5°	10.9	10.9	10.9	10.9	10.9	10.1	8.3	6.1	5.2	5.7	5.7
130°	9.6	9.6	9.2	9.2	8.8	8.3	6.6	4.9	4.3	4.9	4.9
132.5°	8.3	8.3	7.8	7.4	6.9	6.6	5.2	3.6	3.6	4.0	4.0
135°	6.9	6.9	6.6	6.1	5.7	4.9	3.6	2.6	2.6	3.1	3.1
137.5°	5.7	5.7	5.2	4.9	4.0	3.6	2.6	1.7	2.2	2.6	2.6
140°	4.3	4.3	4.0	3.6	2.6	1.7	1.3	1.3	1.3	1.7	1.7
142.5°	3.6	3.6	3.1	2.2	1.3	0.9	0.4	0.4	0.9	1.3	1.3
145°	2.6	2.6	2.2	1.7	0.9	0.4	0.0	0.0	0.4	0.4	0.4
147.5°	2.2	1.7	1.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	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)