

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: P266067

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266067
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-AF24-40-D-U-T2U-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3609.9 lumens
Efficiency: N/A
Efficacy: 90.2 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): 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

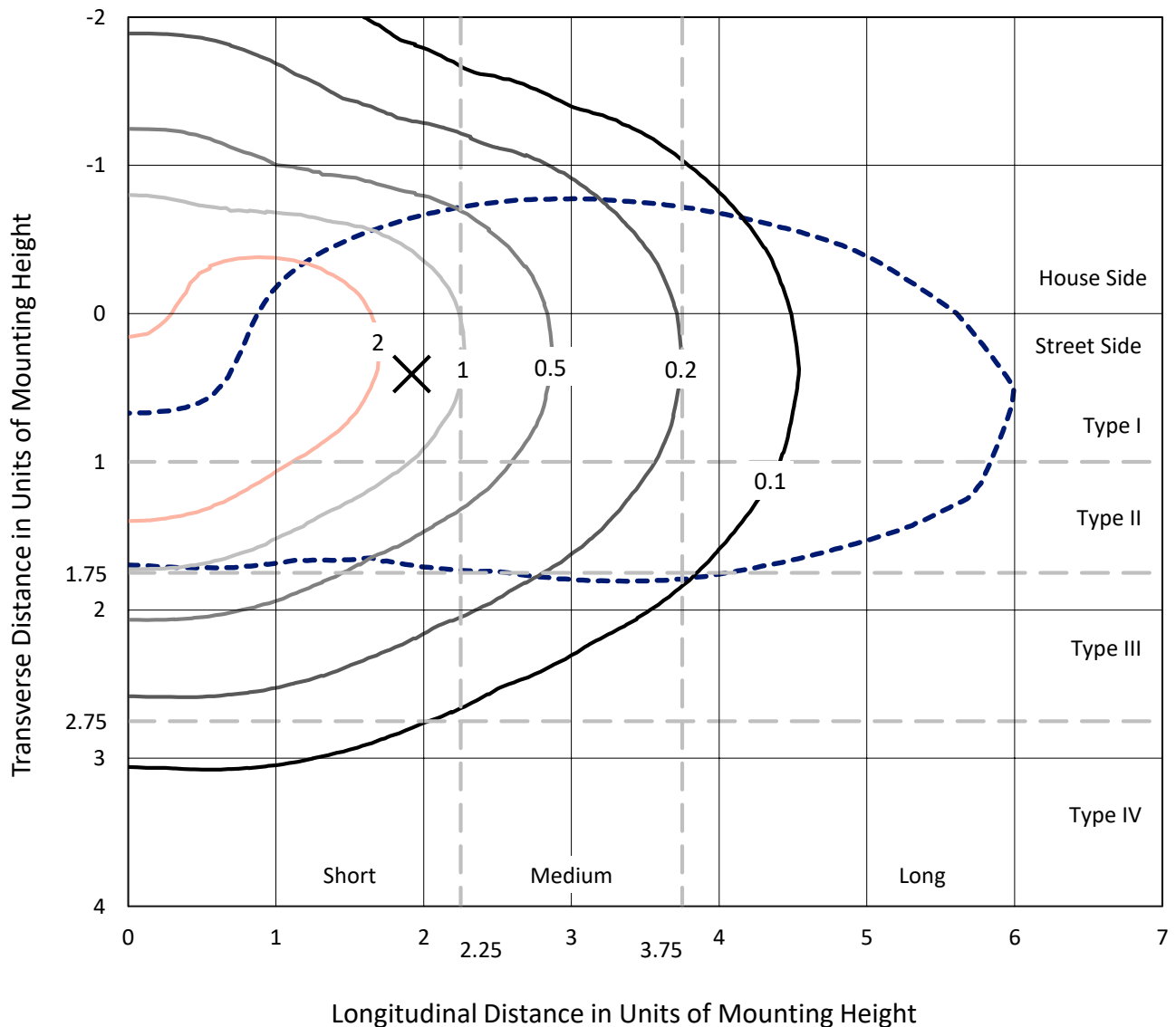


REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

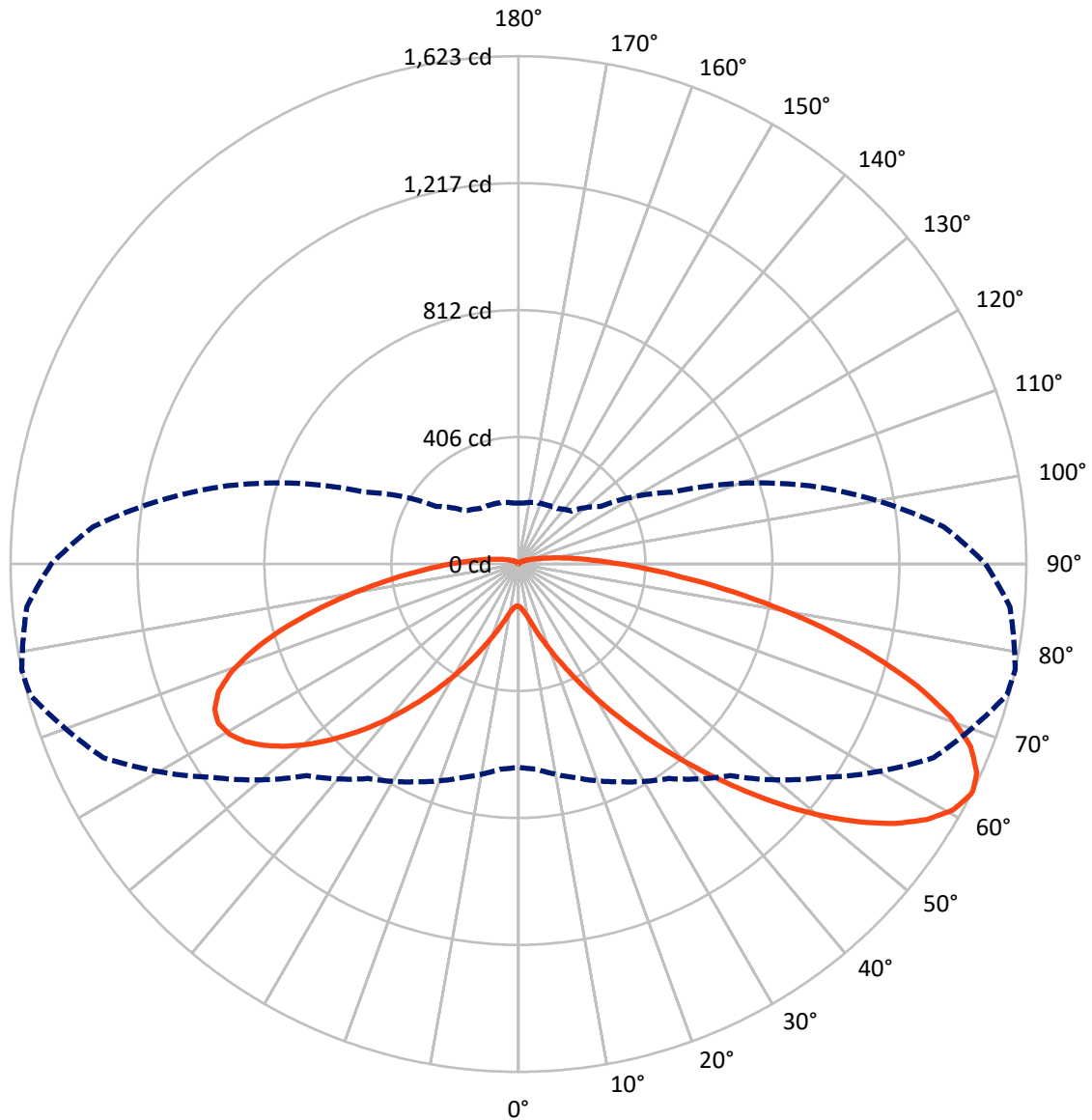


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

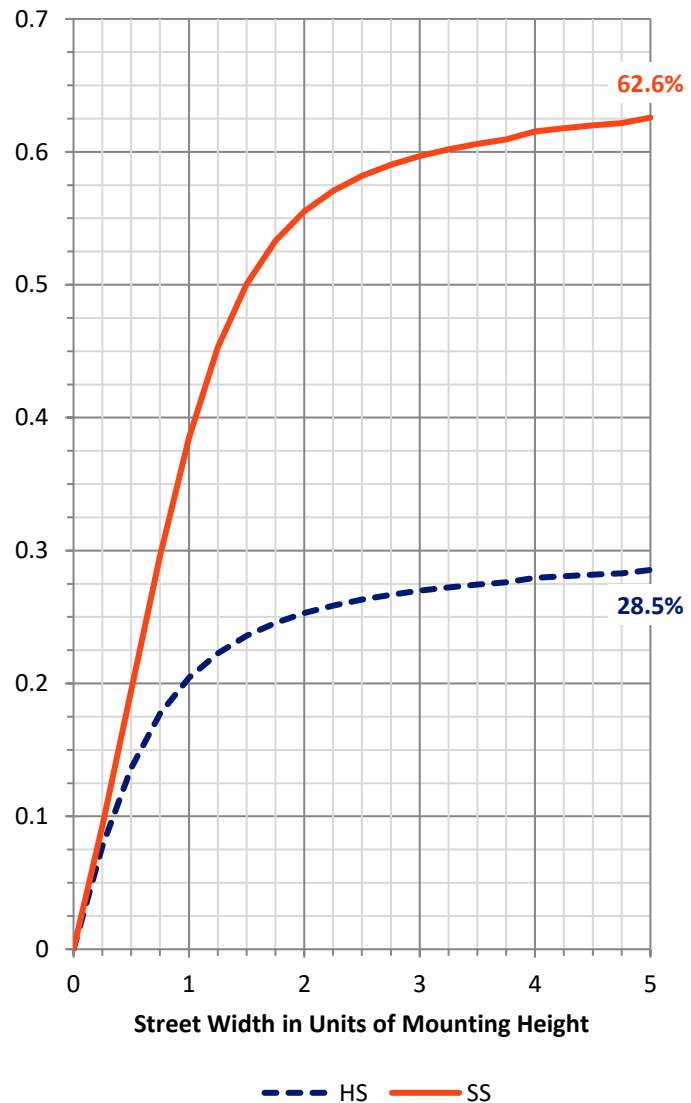
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1072.3	98.0	1170.3
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	2318.2	121.4	2439.6
	% Fixture	64.2	3.4	67.6
Total	Lumens	3390.5	219.4	3609.9
	% Fixture	93.9	6.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.4
10°-20°	61.5	1.7
20°-30°	160.8	4.5
30°-40°	333.9	9.2
40°-50°	562.4	15.6
50°-60°	739.2	20.5
60°-70°	732.0	20.3
70°-80°	521.1	14.4
80°-90°	265.2	7.3
90°-100°	115.4	3.2
100°-110°	52.8	1.5
110°-120°	26.8	0.7
120°-130°	14.3	0.4
130°-140°	7.1	0.2
140°-150°	2.5	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3390.5	93.9
0°-180°	3609.9	100.0

Coefficient of Utilization



REPORT NUMBER: P266067

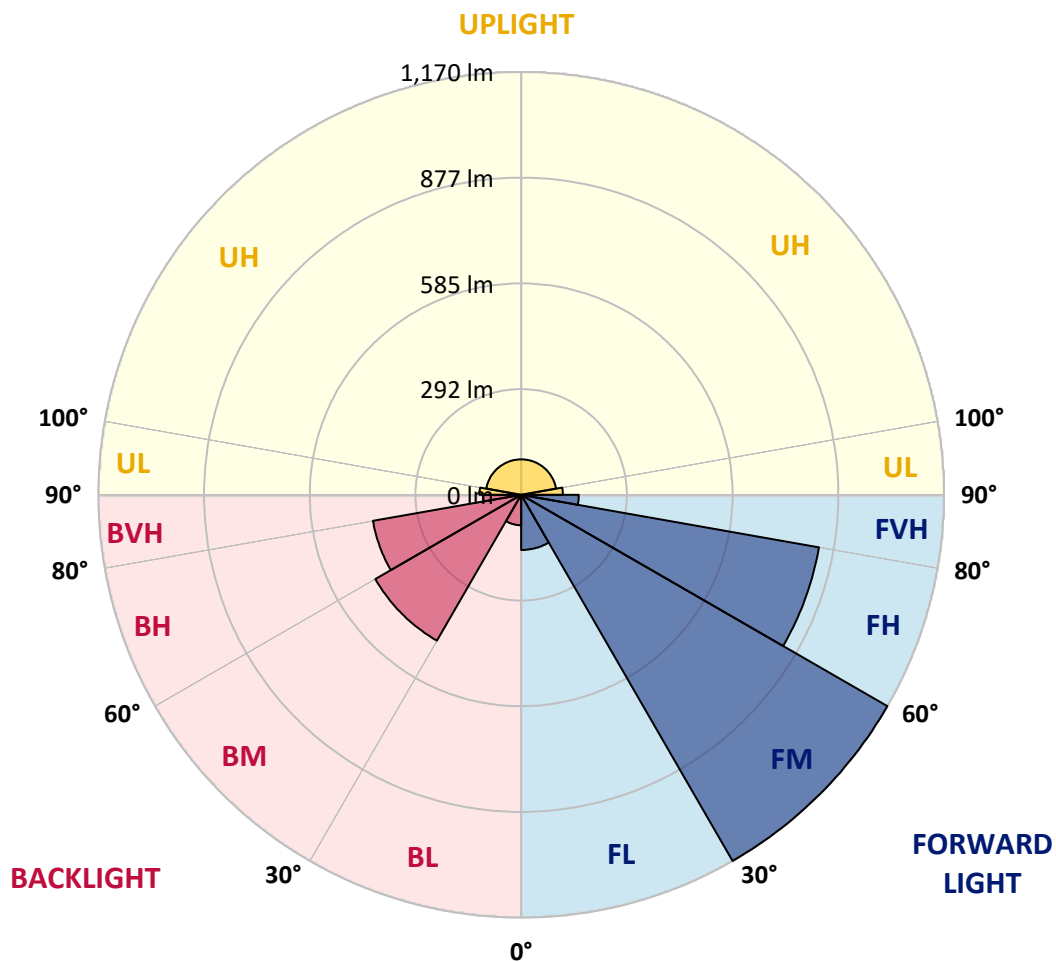
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.6	4.2			
FM (30°-60°)	1169.7	32.4			
FH (60°-80°)	836.6	23.2			G1/1800
FVH (80°-90°)	159.3	4.4			G2/225
BL (0°-30°)	84.1	2.3	B0/110		
BM (30°-60°)	465.8	12.9	B1/1000		
BH (60°-80°)	416.4	11.5	B1/500		G1/500
BVH (80°-90°)	105.9	2.9			G2/225
UL (90°-100°)	115.4	3.2		U3/500	
UH (100°-180°)	98.0	2.7		U3/500	

BUG Rating: B1-U3-G2

Type II Short





REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
2.5°	149.8	150.3	150.3	149.5	148.6	146.9	145.2	142.9	139.9	139.4	137.4
5°	167.8	168.3	167.8	166.0	164.3	161.2	157.7	153.8	148.6	148.2	144.3
7.5°	189.5	190.0	189.5	186.5	183.4	179.1	174.4	168.6	161.2	160.0	154.7
10°	216.6	217.5	216.1	213.5	208.2	201.8	195.7	187.3	179.5	176.4	170.0
12.5°	251.0	251.0	248.4	244.5	238.0	229.6	221.8	211.8	203.0	198.7	191.8
15°	289.3	289.9	286.3	281.4	274.5	261.9	253.2	242.7	231.9	227.9	217.8
17.5°	333.5	334.3	329.9	322.9	313.2	300.8	289.9	277.5	265.0	258.4	247.9
20°	384.8	384.8	380.1	370.9	358.7	344.7	330.8	316.8	302.9	295.1	284.1
22.5°	443.3	443.3	437.6	425.3	407.9	392.6	377.4	361.7	346.4	338.2	324.2
25°	510.7	513.3	502.4	487.2	467.6	446.3	430.9	412.7	396.2	387.0	371.7
27.5°	587.0	588.3	574.8	552.2	526.9	504.7	487.7	471.2	452.7	443.3	424.9
30°	669.0	666.4	654.1	627.0	594.0	567.0	549.9	534.8	513.8	506.4	486.3
32.5°	757.0	755.2	739.6	702.5	666.7	634.1	615.8	606.1	585.2	577.0	555.6
35°	849.7	846.7	828.0	789.3	742.2	706.3	689.9	685.0	666.0	657.6	631.9
37.5°	947.0	939.9	916.5	867.3	818.4	780.4	773.1	766.2	753.5	744.8	714.2
40°	1024.5	1021.6	997.9	946.5	893.9	862.1	857.3	862.1	849.7	839.7	804.4
42.5°	1087.3	1085.2	1066.4	1015.9	963.2	933.9	939.1	954.8	950.9	940.9	901.7
45°	1130.8	1128.7	1115.2	1071.6	1023.2	1001.9	1025.4	1054.3	1056.8	1048.5	1002.2
47.5°	1146.1	1144.8	1137.4	1105.6	1068.5	1063.4	1109.9	1155.3	1166.2	1159.3	1106.9
50°	1126.6	1127.5	1130.0	1115.7	1093.0	1107.8	1176.6	1251.6	1275.1	1267.2	1211.5
52.5°	1076.0	1079.0	1091.7	1096.4	1093.0	1130.8	1232.5	1338.7	1378.9	1370.2	1312.7
55°	998.3	1002.8	1025.0	1049.8	1067.6	1129.1	1267.2	1412.3	1469.9	1463.8	1404.1
57.5°	896.4	905.1	935.2	979.2	1015.4	1102.1	1277.3	1463.0	1544.5	1540.1	1482.2
60°	783.5	791.0	832.4	890.0	942.2	1049.4	1255.6	1484.8	1595.0	1596.3	1541.4
62.5°	671.6	679.8	728.6	788.4	855.0	973.6	1203.6	1471.7	1616.0	1622.5	1575.0
63°	649.7	658.1	706.8	768.0	836.7	956.5	1189.7	1464.2	1616.0	1623.2	1577.2
65°	565.3	573.1	621.4	685.0	757.8	882.5	1122.2	1420.7	1598.4	1609.9	1573.7
67.5°	466.7	475.1	523.8	586.6	656.8	777.9	1015.9	1330.8	1538.7	1559.3	1536.1
70°	383.4	392.2	436.7	496.0	561.4	671.6	894.3	1210.1	1442.9	1465.1	1456.4
72.5°	315.9	323.4	367.0	416.6	475.1	573.1	769.6	1064.6	1305.6	1332.6	1337.8
75°	258.1	265.8	304.2	348.6	400.0	482.4	648.8	910.8	1135.6	1173.1	1188.0
77.5°	210.6	217.8	251.9	290.7	334.3	401.8	537.7	758.3	961.4	1006.7	1025.9
80°	171.7	178.7	206.6	241.9	279.0	333.5	440.6	610.9	788.8	829.8	849.7
82.5°	139.4	145.5	170.0	201.0	232.3	276.3	359.5	488.9	630.2	664.6	675.4
85°	112.5	117.7	139.4	166.5	193.0	227.0	290.7	386.5	492.9	519.8	533.5
87.5°	89.8	94.1	113.7	137.4	160.0	190.9	235.4	308.1	381.3	401.4	410.0
90°	72.9	76.3	92.3	112.5	132.9	155.5	190.9	239.7	293.2	307.7	313.8
92.5°	59.3	61.9	76.3	92.9	111.1	131.6	155.5	189.5	225.7	235.4	239.3
95°	49.6	50.6	63.2	77.6	92.3	109.9	127.3	150.7	174.4	180.9	182.5
97.5°	40.6	41.9	52.7	65.8	78.4	91.4	104.2	120.7	135.6	139.4	139.9
100°	34.9	35.4	44.5	56.2	67.2	77.6	86.7	96.7	105.6	106.8	107.6
102.5°	29.6	30.1	37.9	48.8	58.0	66.7	73.7	79.3	82.9	83.3	83.3
105°	25.7	26.1	32.7	42.3	50.6	57.1	62.7	64.9	65.8	65.3	65.3
107.5°	23.0	23.0	28.7	37.0	44.5	50.1	53.5	54.1	52.7	51.8	51.8



REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	20.5	20.9	25.3	33.1	39.6	43.9	46.6	45.4	42.7	41.9	41.9
112.5°	18.8	19.1	22.2	29.1	34.9	39.3	40.6	38.4	34.9	34.0	34.5
115°	17.4	17.4	20.0	25.7	31.4	34.9	35.4	32.7	28.7	28.3	28.7
117.5°	16.1	16.1	17.8	23.0	27.8	30.9	30.9	27.8	24.4	23.5	24.0
120°	15.2	15.2	16.6	20.5	24.9	27.5	26.9	24.0	20.5	20.5	20.9
122.5°	14.5	14.5	15.2	18.2	22.2	24.4	24.0	20.5	17.4	17.4	17.8
125°	13.6	13.6	14.0	16.6	19.7	21.4	20.9	17.4	15.2	15.2	15.7
127.5°	12.7	12.7	13.0	14.8	17.4	18.8	17.8	14.8	13.6	13.6	14.0
130°	12.1	12.1	12.1	13.0	15.2	16.6	15.2	12.7	11.8	11.8	12.1
132.5°	11.3	11.3	11.3	11.8	13.0	14.0	13.0	10.9	10.5	10.5	10.9
135°	10.9	10.9	10.5	10.5	11.3	11.8	10.5	9.2	9.2	9.2	9.6
137.5°	10.1	10.1	9.6	9.2	9.6	9.6	8.8	7.4	7.8	7.8	8.3
140°	9.2	9.2	8.8	7.8	7.4	7.4	6.6	6.1	6.6	6.6	6.9
142.5°	7.8	7.8	7.4	6.6	5.7	5.2	4.9	4.9	5.2	5.2	5.7
145°	6.6	6.6	6.1	5.2	4.3	4.0	3.6	3.6	4.0	4.0	4.3
147.5°	5.2	5.2	4.9	4.0	3.1	2.2	2.2	2.6	3.1	3.1	3.1
150°	4.3	4.3	4.0	3.1	1.7	1.3	0.9	1.3	1.7	1.7	1.7
152.5°	3.1	3.1	2.6	1.7	1.3	0.4	0.4	0.9	1.3	1.3	1.3
155°	1.7	1.7	1.3	0.9	0.4	0.4	0.4	0.4	0.9	0.9	0.9
157.5°	0.9	0.9	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
2.5°	136.5	135.6	133.4	131.2	129.4	128.1	127.3	125.9	125.6	125.0	125.0
5°	142.0	139.9	136.0	132.1	128.5	125.6	122.9	120.7	119.5	118.5	118.9
7.5°	151.3	147.7	142.0	136.0	130.3	125.9	122.0	119.5	117.1	115.9	115.9
10°	165.6	160.7	152.2	143.4	136.5	129.8	125.0	121.1	118.5	117.1	117.1
12.5°	186.0	180.0	167.8	155.5	146.0	137.4	131.2	127.3	126.4	125.0	125.0
15°	210.6	203.0	188.3	172.6	159.4	147.7	142.6	139.0	136.8	135.0	135.0
17.5°	239.3	229.6	210.9	191.8	175.6	163.4	154.7	149.8	147.3	146.0	146.0
20°	272.4	260.6	237.5	213.5	193.4	180.4	168.6	161.2	158.6	157.4	156.8
22.5°	310.8	296.4	268.5	238.4	214.9	197.4	183.4	172.6	169.5	168.3	167.4
25°	356.4	340.4	303.3	266.6	237.5	213.5	196.5	184.3	180.0	178.7	178.3
27.5°	407.9	388.2	343.0	298.1	258.8	227.9	207.9	195.2	189.5	187.8	188.3
30°	465.4	442.3	386.5	329.9	279.8	240.9	217.0	203.6	197.4	195.7	195.7
32.5°	529.6	499.0	434.1	363.5	299.3	251.9	224.8	210.9	203.6	202.2	202.2
35°	600.1	568.3	485.4	397.4	316.8	260.6	230.5	216.6	208.8	207.0	207.0
37.5°	681.2	639.4	539.9	430.1	331.7	267.2	234.5	220.1	212.2	209.7	209.7
40°	763.5	715.1	596.7	461.1	344.3	271.1	236.7	221.8	214.4	210.9	210.6
42.5°	853.7	793.2	654.5	489.3	353.0	273.3	237.1	223.0	215.2	210.9	210.1
45°	947.4	882.0	708.1	513.8	359.5	273.3	236.7	222.7	215.2	209.7	208.8
47.5°	1041.9	968.0	764.0	534.3	362.6	271.9	235.7	222.2	214.9	207.9	207.0
50°	1140.5	1053.7	816.6	550.4	362.1	269.3	233.6	221.0	213.1	205.7	204.9
52.5°	1232.8	1132.7	865.1	561.7	359.5	265.4	231.0	219.6	211.8	203.6	202.7
55°	1322.7	1212.0	906.8	567.8	353.8	260.6	228.3	217.8	210.6	201.3	201.0
57.5°	1395.0	1278.6	939.5	567.4	345.6	254.5	225.4	215.8	208.8	200.1	199.2
60°	1454.3	1332.1	960.5	560.8	335.5	248.4	221.8	213.1	207.0	198.3	197.0
62.5°	1489.1	1362.3	965.7	546.9	323.4	241.5	217.0	209.1	203.9	196.1	194.8
63°	1493.1	1364.9	964.4	543.5	320.8	239.7	216.1	208.8	203.6	195.7	194.4
65°	1491.7	1364.0	951.8	525.6	309.3	232.8	211.8	204.9	200.4	193.0	191.8
67.5°	1457.7	1330.8	916.0	496.0	292.8	223.6	204.9	199.2	194.8	188.3	186.9
70°	1384.1	1260.3	855.8	458.9	274.5	213.1	196.1	191.8	187.3	181.3	179.5
72.5°	1275.1	1156.2	775.2	419.1	255.4	201.0	186.5	182.1	178.7	173.5	170.4
75°	1133.0	1024.1	682.1	374.9	234.5	188.3	174.7	171.2	166.9	162.1	159.4
77.5°	968.0	873.3	583.4	329.0	213.1	173.9	162.1	158.2	154.2	149.1	145.5
80°	801.0	721.7	486.0	284.6	191.8	158.6	148.2	144.6	139.9	134.2	130.8
82.5°	642.4	580.5	397.4	243.6	170.9	143.4	133.8	129.4	124.1	118.5	116.4
85°	501.7	456.2	320.2	206.6	150.3	128.1	119.5	115.1	108.5	102.0	99.4
87.5°	387.0	353.8	257.2	173.9	131.6	113.2	104.7	99.4	93.2	86.7	84.5
90°	296.8	274.2	205.7	146.5	114.7	98.5	91.4	86.7	79.8	73.2	71.4
92.5°	227.5	212.2	165.2	123.3	98.1	86.2	80.2	75.0	68.0	61.4	60.1
95°	174.7	164.7	133.4	103.2	85.0	75.4	70.2	64.5	57.5	51.5	50.1
97.5°	135.6	128.5	107.6	87.1	73.7	65.8	61.4	55.8	48.8	43.2	42.3
100°	105.0	100.7	87.6	73.2	64.0	57.5	53.2	48.4	41.9	35.8	35.8
102.5°	81.9	79.3	72.0	62.7	55.8	50.9	47.2	41.9	35.4	30.5	30.1
105°	64.9	63.6	59.3	53.5	48.8	44.8	41.4	36.2	30.1	25.7	25.7
107.5°	51.8	51.5	49.2	45.8	42.7	39.6	36.7	31.4	25.7	22.2	22.2



REPORT NUMBER: P266067

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-FL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	42.3	42.3	41.4	39.3	37.5	34.9	31.8	27.5	21.7	19.1	19.1
112.5°	34.9	35.4	34.9	34.0	33.1	30.9	28.3	23.5	18.8	17.0	17.0
115°	29.1	29.6	29.6	29.6	29.1	27.5	24.9	20.5	16.1	14.8	14.8
117.5°	24.9	25.3	25.7	25.7	25.3	24.0	21.7	17.8	14.0	13.0	13.6
120°	21.4	21.7	22.2	22.6	22.2	21.4	18.8	15.2	12.1	11.8	11.8
122.5°	18.8	19.1	19.1	19.7	19.7	18.8	16.6	13.0	10.5	10.5	10.5
125°	16.1	16.6	17.0	17.0	17.4	16.1	14.0	10.9	9.2	9.2	9.6
127.5°	14.5	14.5	14.5	14.8	14.8	14.0	12.1	9.2	7.8	8.3	8.3
130°	12.7	12.7	13.0	13.0	13.0	12.1	10.1	7.8	6.9	7.4	7.4
132.5°	10.9	11.3	11.3	10.9	10.9	10.5	8.3	6.6	6.1	6.6	6.6
135°	9.6	10.1	10.1	9.2	9.2	8.3	6.9	5.2	5.7	5.7	6.1
137.5°	8.3	8.8	8.3	7.8	7.4	6.9	5.7	4.3	4.9	5.2	5.2
140°	6.9	6.9	6.9	6.6	6.1	5.2	4.3	3.6	4.3	4.3	4.3
142.5°	5.7	5.7	5.7	5.2	4.3	4.0	3.1	3.1	3.6	3.6	3.6
145°	4.3	4.3	4.3	4.0	3.1	2.6	2.2	2.2	2.6	3.1	3.1
147.5°	3.1	3.1	3.1	2.6	1.7	1.3	1.3	1.7	2.2	2.2	2.2
150°	2.2	2.2	2.2	1.7	1.3	0.9	0.9	1.3	1.3	1.7	1.7
152.5°	1.3	1.7	1.7	1.3	0.9	0.4	0.4	0.9	0.9	0.9	0.9
155°	0.9	0.9	1.3	0.9	0.9	0.4	0.0	0.0	0.4	0.4	0.4
157.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	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)