

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: P413780

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8710 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

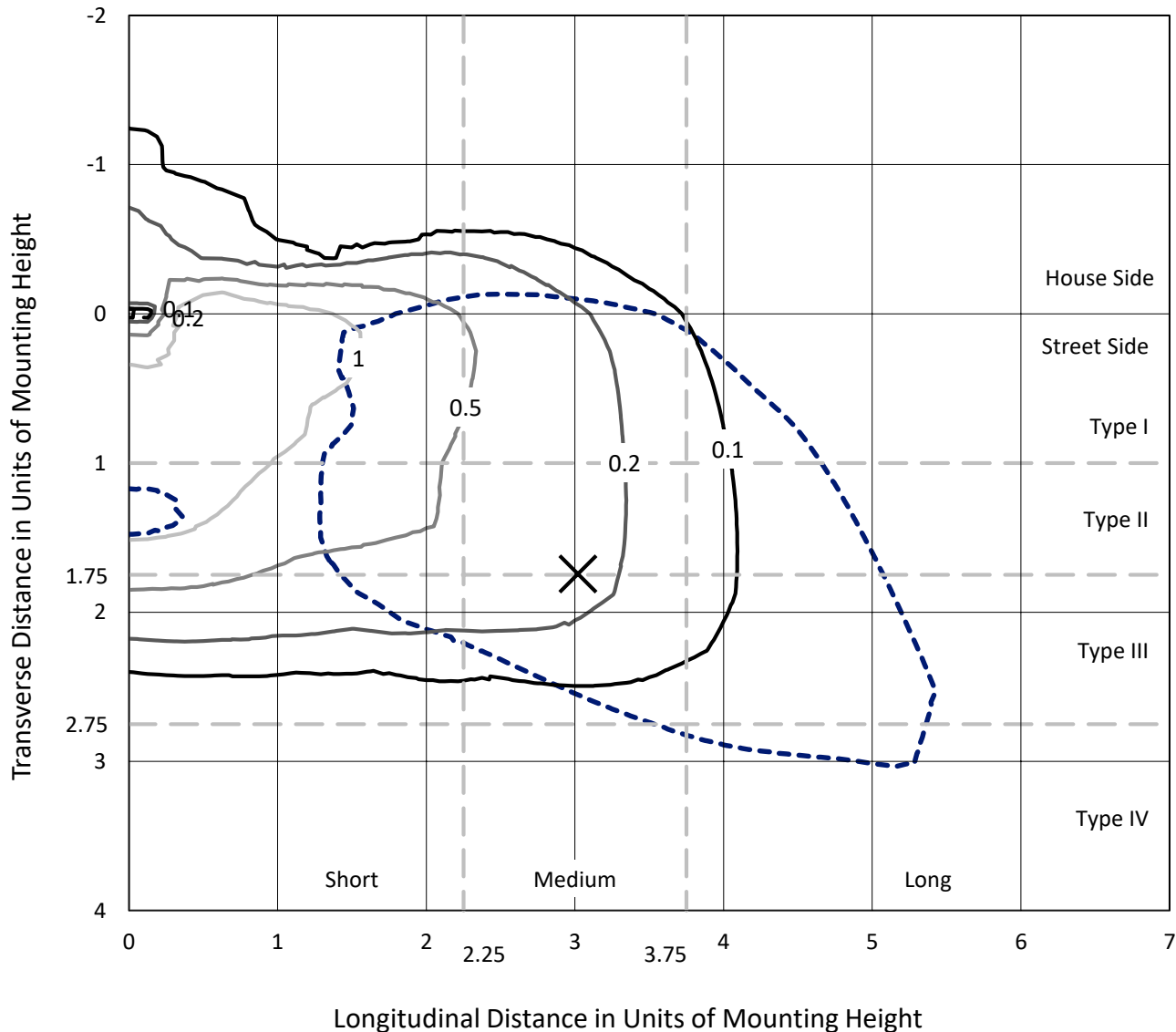
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

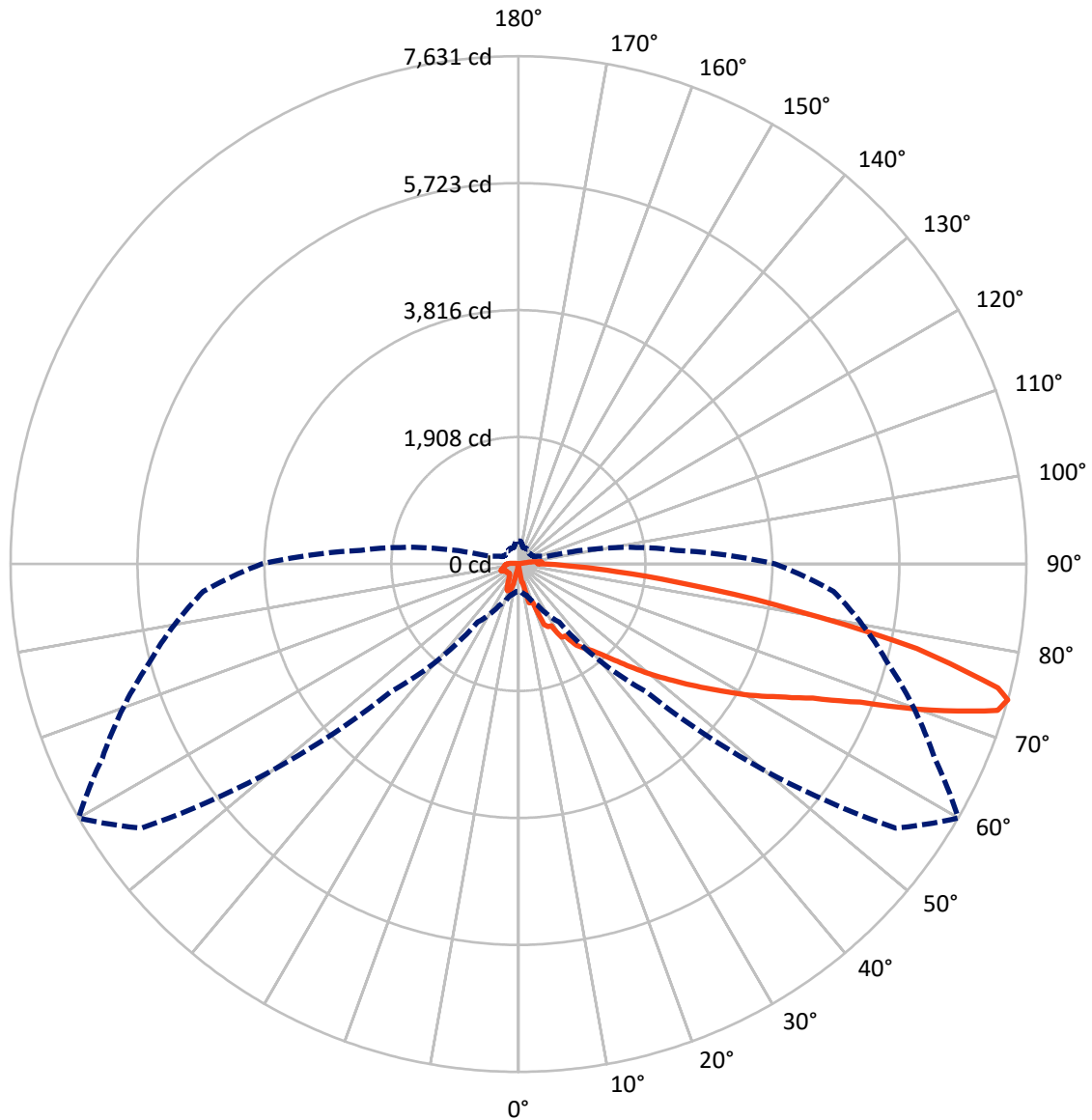


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P413780

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

REPORT NUMBER: P413780

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.7	84.7	1421.4
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	7197.9	90.8	7288.7
	% Fixture	82.6	1.0	83.7
Total	Lumens	8534.6	175.4	8710.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	111.2	1.3
20°-30°	336.8	3.9
30°-40°	674.2	7.7
40°-50°	1156.6	13.3
50°-60°	1763.1	20.2
60°-70°	2172.4	24.9
70°-80°	1816.1	20.9
80°-90°	494.6	5.7
90°-100°	127.8	1.5
100°-110°	22.9	0.3
110°-120°	8.5	0.1
120°-130°	6.4	0.1
130°-140°	4.5	0.1
140°-150°	3.6	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8534.6	98.0
0°-180°	8710.0	100.0



REPORT NUMBER: P413780

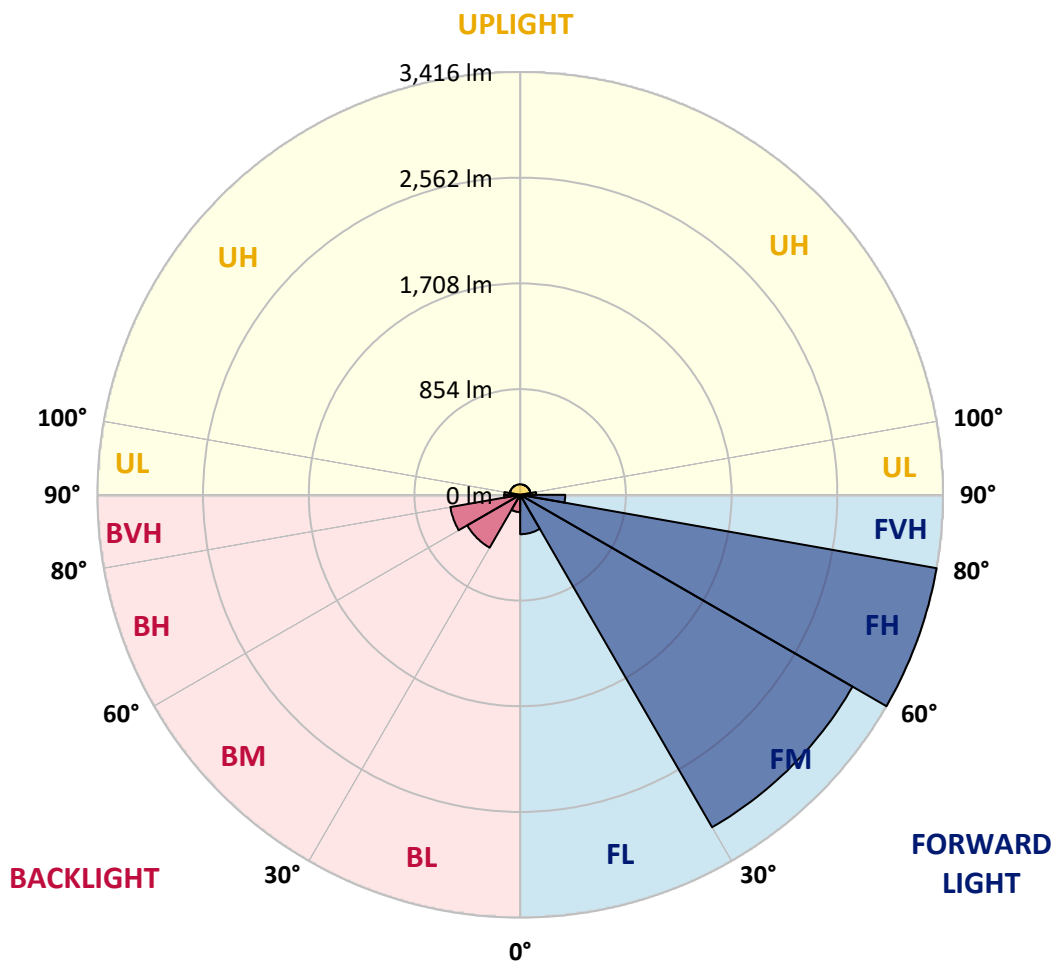
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.1	3.7			
FM	(30°-60°)	3100.7	35.6			
FH	(60°-80°)	3415.6	39.2			G2/5000
FVH	(80°-90°)	363.6	4.2			G3/500
BL	(0°-30°)	139.6	1.6	B1/500		
BM	(30°-60°)	493.2	5.7	B1/1000		
BH	(60°-80°)	572.9	6.6	B2/1000		G2/1000
BVH	(80°-90°)	131.0	1.5			G2/225
UL	(90°-100°)	127.8	1.5		U3/500	
UH	(100°-180°)	84.7	1.0		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





REPORT NUMBER: P413780

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	10.9	9.9	8.9	9.9	10.9	9.9	8.0	7.0	6.0	6.0	6.0
5°	290.3	286.4	284.4	221.7	52.7	32.8	12.9	8.9	8.0	6.0	6.0
7.5°	294.3	290.3	291.3	290.3	285.4	285.4	92.5	33.8	18.9	7.0	7.0
10°	310.2	304.2	296.3	295.3	293.3	290.3	285.4	279.4	63.6	10.9	9.9
12.5°	572.7	569.7	565.7	436.5	316.2	294.3	291.3	284.4	218.7	41.8	192.9
15°	568.7	567.7	560.8	563.8	562.8	320.2	362.9	605.5	581.7	421.6	486.2
17.5°	596.6	593.6	572.7	559.8	560.8	639.3	593.6	597.6	599.6	532.9	521.0
20°	809.3	804.4	802.4	779.5	569.7	750.7	765.6	620.4	635.3	827.2	924.7
22.5°	819.3	812.3	804.4	798.4	898.8	747.7	809.3	988.3	943.6	1094.7	1032.1
25°	1106.6	1087.7	1009.2	817.3	897.8	861.0	1047.0	1042.0	986.3	1142.4	1103.6
27.5°	1198.1	1185.2	1127.5	1083.8	915.7	1031.1	1041.0	1051.9	1240.9	1575.9	1468.5
30°	1604.8	1504.3	1244.8	1218.0	1092.7	1040.0	1190.2	1275.7	1396.0	1582.9	1553.1
32.5°	1837.4	1788.7	1663.4	1471.5	1279.6	1137.5	1290.6	1290.6	1402.9	1913.0	1963.7
35°	2214.3	2057.2	1812.6	1682.3	1459.6	1361.2	1330.3	1498.4	1658.5	2009.4	2006.5
37.5°	2350.5	2335.6	2244.1	1844.4	1716.1	1480.5	1551.1	1602.8	1738.0	2148.6	2142.7
40°	2425.0	2457.9	2464.8	2194.4	1906.0	1710.2	1685.3	1714.1	1844.4	2344.5	2268.9
42.5°	2677.6	2689.5	2726.3	2418.1	2190.4	1960.7	1891.1	1879.2	1969.7	2572.2	2436.0
45°	3085.2	3091.2	3064.4	2675.6	2422.1	2209.3	2131.7	2086.0	2165.5	2797.9	2647.8
47.5°	3552.6	3566.5	3437.2	2966.9	2632.9	2448.9	2407.1	2336.6	2387.3	3001.7	2911.2
50°	3924.4	3920.4	3689.8	3202.6	2845.6	2694.5	2681.6	2615.9	2621.9	3249.3	3195.6
52.5°	4020.9	4014.9	3818.0	3376.6	3039.5	2950.0	3008.7	2907.3	2854.6	3505.8	3490.9
55°	3875.7	3886.6	3794.2	3449.2	3162.8	3174.7	3326.9	3239.4	3167.8	3748.4	3772.3
57.5°	3665.9	3653.0	3666.9	3477.0	3259.2	3394.5	3705.7	3596.3	3527.7	4022.9	4049.7
60°	3277.1	3259.2	3439.2	3447.2	3348.7	3643.0	4108.4	4002.0	3905.5	4312.2	4283.4
62.5°	2685.5	2662.7	2987.8	3264.2	3451.1	3934.4	4506.1	4390.7	4297.3	4619.4	4564.7
65°	1787.7	1896.1	2276.9	2864.5	3413.4	4353.9	5032.0	4859.0	4689.0	4934.6	4924.7
67.5°	1037.0	1114.6	1394.0	2037.3	3102.1	4712.9	5866.2	5538.1	5244.8	5291.6	5268.7
70°	643.3	667.2	788.5	1175.2	2186.4	4594.6	6790.9	6579.1	5957.7	5689.3	5322.4
72.5°	499.1	515.0	584.6	767.6	1329.4	3553.6	7230.4	7527.7	6677.6	5793.7	5057.9
74°	408.6	418.6	491.2	687.0	1066.9	2709.4	6918.2	7631.1	6898.3	5743.0	4753.6
75°	323.1	333.1	414.6	659.2	1014.2	2161.6	6455.9	7439.2	6905.3	5664.4	4386.8
77.5°	197.9	204.8	223.7	455.4	921.7	1234.9	4763.6	6123.8	6119.8	4703.9	3145.9
80°	157.1	159.1	167.0	239.6	750.7	1119.6	3016.6	4226.7	4195.9	2823.8	1611.7
82.5°	108.4	116.3	132.2	155.1	399.7	1096.7	1902.1	2625.9	2265.0	1074.8	674.1
85°	72.6	78.5	100.4	115.3	213.8	1167.3	1365.1	1477.5	1114.6	531.9	444.4
87.5°	29.8	30.8	45.7	55.7	86.5	559.8	918.7	731.8	513.0	337.1	361.9
90°	15.9	15.9	11.9	12.9	31.8	120.3	300.3	291.3	241.6	277.4	340.0
92.5°	17.9	17.9	11.9	12.9	30.8	94.5	325.1	332.1	277.4	295.3	363.9
95°	19.9	19.9	11.9	11.9	29.8	64.6	312.2	351.0	285.4	310.2	366.9
97.5°	21.9	22.9	10.9	10.9	23.9	48.7	195.9	239.6	185.9	161.1	176.0
100°	22.9	22.9	9.9	9.9	15.9	34.8	90.5	115.3	89.5	41.8	28.8
102.5°	22.9	23.9	9.9	8.9	10.9	21.9	28.8	41.8	32.8	24.9	26.8
105°	21.9	23.9	9.9	8.9	8.9	11.9	14.9	16.9	17.9	17.9	27.8
107.5°	16.9	18.9	8.0	8.9	8.0	8.0	6.0	7.0	8.9	15.9	27.8



REPORT NUMBER: P413780

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.9	11.9	6.0	8.0	7.0	8.0	5.0	6.0	8.0	11.9	22.9
112.5°	6.0	5.0	4.0	6.0	6.0	7.0	5.0	5.0	7.0	9.9	15.9
115°	4.0	5.0	3.0	4.0	5.0	5.0	4.0	5.0	6.0	9.9	16.9
117.5°	4.0	4.0	3.0	4.0	5.0	4.0	4.0	5.0	6.0	9.9	16.9
120°	5.0	4.0	3.0	4.0	4.0	3.0	4.0	5.0	5.0	9.9	16.9
122.5°	5.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	9.9	15.9
125°	6.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	5.0	8.9	14.9
127.5°	6.0	6.0	4.0	4.0	5.0	3.0	4.0	4.0	5.0	8.0	13.9
130°	6.0	6.0	5.0	4.0	5.0	4.0	4.0	4.0	5.0	7.0	11.9
132.5°	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	6.0	9.9
135°	7.0	6.0	5.0	5.0	6.0	4.0	4.0	4.0	4.0	5.0	7.0
137.5°	7.0	7.0	6.0	6.0	7.0	5.0	4.0	5.0	5.0	5.0	6.0
140°	8.0	8.0	8.0	7.0	7.0	5.0	5.0	5.0	5.0	6.0	6.0
142.5°	9.9	8.9	8.9	8.0	7.0	5.0	5.0	5.0	6.0	6.0	6.0
145°	10.9	10.9	9.9	8.9	7.0	5.0	5.0	6.0	6.0	7.0	7.0
147.5°	10.9	10.9	9.9	8.0	6.0	4.0	5.0	6.0	6.0	7.0	8.0
150°	10.9	9.9	8.9	7.0	5.0	3.0	4.0	5.0	6.0	7.0	8.0
152.5°	8.0	8.0	7.0	5.0	4.0	2.0	3.0	4.0	5.0	6.0	7.0
155°	5.0	5.0	4.0	3.0	3.0	2.0	3.0	4.0	4.0	5.0	6.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0
160°	1.0	1.0	2.0	1.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
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: P413780

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2.5°	6.0	6.0	6.0	5.0	5.0	3.0	4.0	4.0	5.0	6.0	7.0
5°	6.0	7.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	7.0	7.0
7.5°	7.0	7.0	6.0	6.0	5.0	4.0	7.0	214.8	246.6	254.5	256.5
10°	8.9	8.9	8.0	7.0	6.0	231.7	255.5	255.5	253.5	255.5	255.5
12.5°	197.9	212.8	33.8	16.9	190.9	240.6	234.6	230.7	226.7	222.7	220.7
15°	481.2	466.3	427.5	321.2	296.3	220.7	202.8	281.4	300.3	305.2	304.2
17.5°	508.1	484.2	425.6	446.4	391.7	282.4	254.5	252.5	241.6	241.6	242.6
20°	955.5	900.8	580.7	435.5	340.0	342.0	217.7	193.9	202.8	215.8	223.7
22.5°	981.4	909.8	679.1	566.7	306.2	276.4	212.8	187.9	253.5	279.4	281.4
25°	1047.0	932.6	688.0	477.3	346.0	226.7	211.8	195.9	232.7	256.5	254.5
27.5°	1417.8	1257.8	874.0	439.5	273.4	213.8	199.9	187.9	231.7	270.4	269.4
30°	1415.9	1239.9	807.4	404.7	225.7	198.9	182.0	204.8	215.8	230.7	231.7
32.5°	1838.4	1575.9	882.9	336.1	199.9	172.0	180.0	186.9	195.9	233.7	241.6
35°	1847.4	1541.1	766.6	308.2	183.9	164.1	169.0	184.9	203.8	227.7	229.7
37.5°	1883.2	1523.2	636.3	254.5	188.9	166.0	176.0	193.9	188.9	221.7	225.7
40°	1948.8	1528.2	534.9	227.7	185.9	166.0	183.9	186.9	187.9	204.8	206.8
42.5°	2050.2	1555.1	449.4	215.8	182.9	180.0	178.0	179.0	172.0	205.8	209.8
45°	2194.4	1610.7	383.8	211.8	182.9	209.8	185.9	179.0	164.1	236.6	253.5
47.5°	2407.1	1720.1	345.0	212.8	183.9	200.8	183.9	174.0	171.0	276.4	288.3
50°	2647.8	1845.4	319.2	216.8	183.9	197.9	181.0	179.0	189.9	280.4	283.4
52.5°	2906.3	2012.4	310.2	220.7	197.9	200.8	205.8	204.8	182.9	224.7	224.7
55°	3168.8	2185.4	313.2	225.7	208.8	205.8	219.7	193.9	157.1	167.0	165.1
57.5°	3416.3	2387.3	334.1	222.7	201.8	203.8	221.7	182.0	157.1	167.0	171.0
60°	3684.8	2606.0	391.7	214.8	198.9	197.9	218.7	191.9	157.1	191.9	192.9
62.5°	4011.9	2907.3	517.0	222.7	214.8	203.8	219.7	211.8	180.0	183.9	187.9
65°	4398.7	3218.5	636.3	253.5	226.7	204.8	216.8	222.7	203.8	196.9	195.9
67.5°	4682.1	3295.0	641.3	294.3	242.6	215.8	218.7	242.6	222.7	226.7	224.7
70°	4610.5	3086.2	555.8	311.2	252.5	224.7	224.7	251.6	234.6	269.4	270.4
72.5°	4260.5	2679.6	469.3	288.3	239.6	227.7	249.6	260.5	249.6	324.1	320.2
74°	3858.8	2373.3	431.5	262.5	234.6	226.7	256.5	260.5	257.5	346.0	343.0
75°	3550.6	2132.7	410.6	247.6	231.7	223.7	258.5	261.5	260.5	349.0	348.0
77.5°	2453.9	1440.7	358.9	220.7	226.7	223.7	257.5	267.5	274.4	347.0	344.0
80°	1258.8	788.5	299.3	208.8	224.7	229.7	254.5	258.5	269.4	328.1	325.1
82.5°	631.4	454.4	219.7	191.9	227.7	249.6	255.5	250.6	253.5	302.3	297.3
85°	406.7	314.2	146.2	161.1	231.7	270.4	254.5	233.7	237.6	263.5	261.5
87.5°	327.1	232.7	89.5	125.3	246.6	247.6	232.7	206.8	201.8	206.8	203.8
90°	302.3	215.8	75.6	118.3	238.6	206.8	189.9	169.0	151.1	152.1	146.2
92.5°	325.1	225.7	80.5	117.3	189.9	145.2	139.2	128.3	106.4	94.5	88.5
95°	320.2	216.8	81.5	99.4	139.2	82.5	98.4	90.5	65.6	49.7	46.7
97.5°	154.1	109.4	72.6	77.6	81.5	62.6	83.5	76.6	47.7	30.8	28.8
100°	28.8	40.8	64.6	73.6	64.6	48.7	65.6	58.7	25.9	15.9	14.9
102.5°	27.8	22.9	48.7	66.6	40.8	27.8	35.8	32.8	16.9	11.9	11.9
105°	28.8	22.9	22.9	45.7	24.9	12.9	10.9	15.9	11.9	11.9	12.9
107.5°	29.8	22.9	13.9	14.9	11.9	9.9	8.0	8.0	8.9	12.9	13.9



REPORT NUMBER: P413780

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.9	19.9	12.9	11.9	10.9	9.9	8.0	7.0	8.9	13.9	14.9
112.5°	16.9	15.9	11.9	9.9	8.9	8.9	7.0	6.0	8.9	14.9	15.9
115°	16.9	15.9	9.9	8.9	7.0	8.0	7.0	6.0	8.9	16.9	17.9
117.5°	17.9	14.9	9.9	8.0	6.0	6.0	6.0	6.0	9.9	16.9	17.9
120°	17.9	14.9	9.9	7.0	6.0	5.0	6.0	6.0	9.9	16.9	18.9
122.5°	16.9	14.9	8.9	7.0	6.0	5.0	5.0	5.0	8.9	16.9	17.9
125°	15.9	13.9	8.9	7.0	6.0	4.0	5.0	5.0	8.9	15.9	17.9
127.5°	14.9	12.9	8.9	7.0	5.0	4.0	5.0	5.0	8.9	14.9	16.9
130°	12.9	11.9	8.0	6.0	5.0	4.0	5.0	5.0	8.9	13.9	15.9
132.5°	10.9	9.9	7.0	6.0	5.0	4.0	5.0	4.0	7.0	12.9	13.9
135°	8.0	8.0	7.0	5.0	5.0	3.0	4.0	4.0	6.0	9.9	10.9
137.5°	7.0	7.0	6.0	5.0	5.0	3.0	4.0	3.0	5.0	8.0	8.9
140°	7.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	7.0	7.0
142.5°	7.0	7.0	6.0	5.0	4.0	3.0	3.0	3.0	4.0	6.0	7.0
145°	7.0	7.0	7.0	6.0	4.0	3.0	3.0	3.0	4.0	6.0	6.0
147.5°	8.0	8.0	7.0	5.0	4.0	2.0	2.0	3.0	4.0	6.0	6.0
150°	8.0	8.0	7.0	5.0	4.0	2.0	1.0	2.0	3.0	5.0	6.0
152.5°	7.0	7.0	6.0	5.0	3.0	2.0	1.0	2.0	3.0	5.0	5.0
155°	6.0	6.0	5.0	4.0	3.0	1.0	0.0	1.0	2.0	4.0	4.0
157.5°	4.0	5.0	4.0	3.0	2.0	1.0	0.0	1.0	1.0	3.0	3.0
160°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0
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)