

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: P417368

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417368
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-PA1-90-830-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7505 lumens
Efficiency: N/A
Efficacy: 79.8 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: B1 - U3 - G3

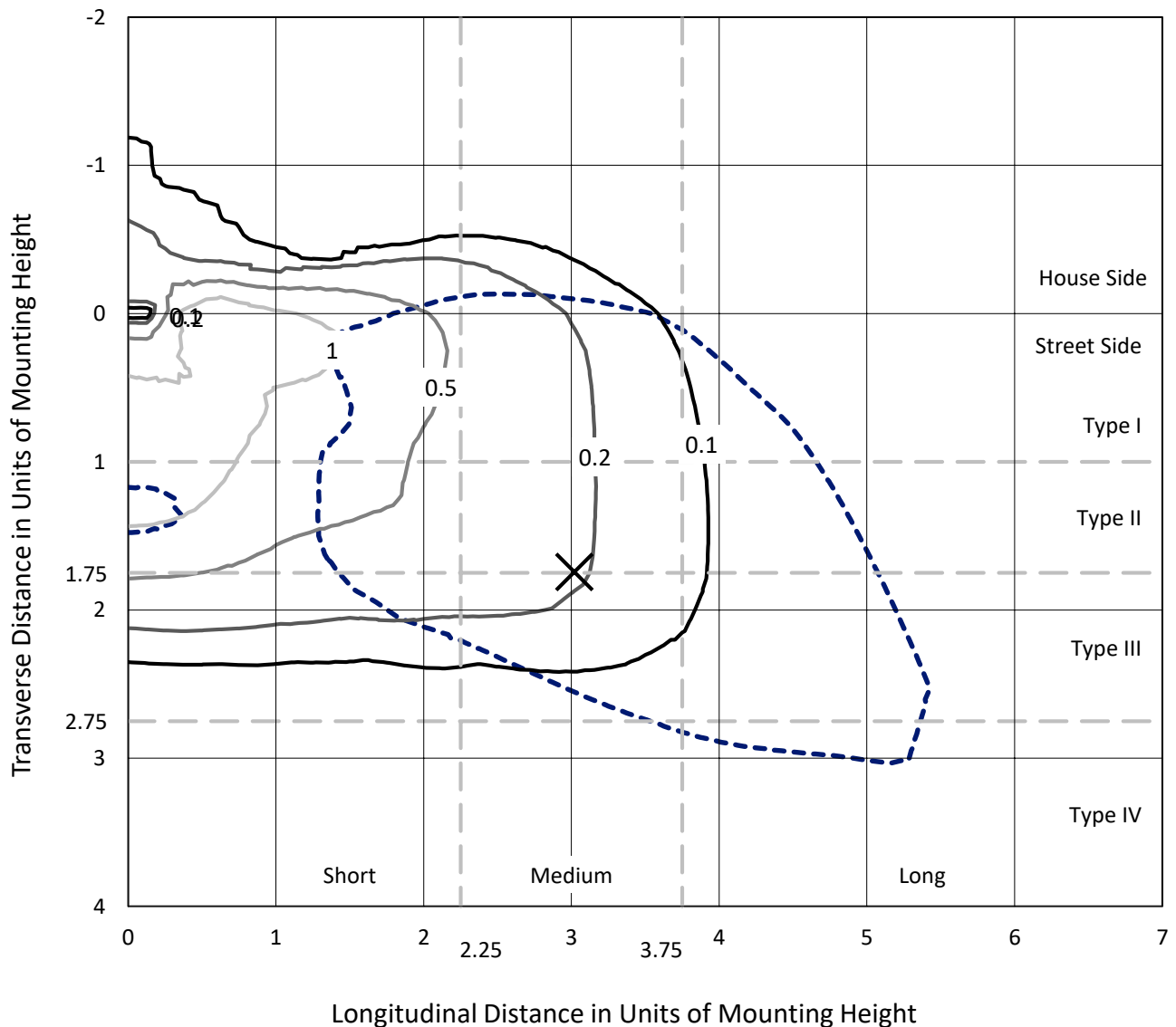
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417368
 CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

Iso-Footcandle Lines of Horizontal Illumination

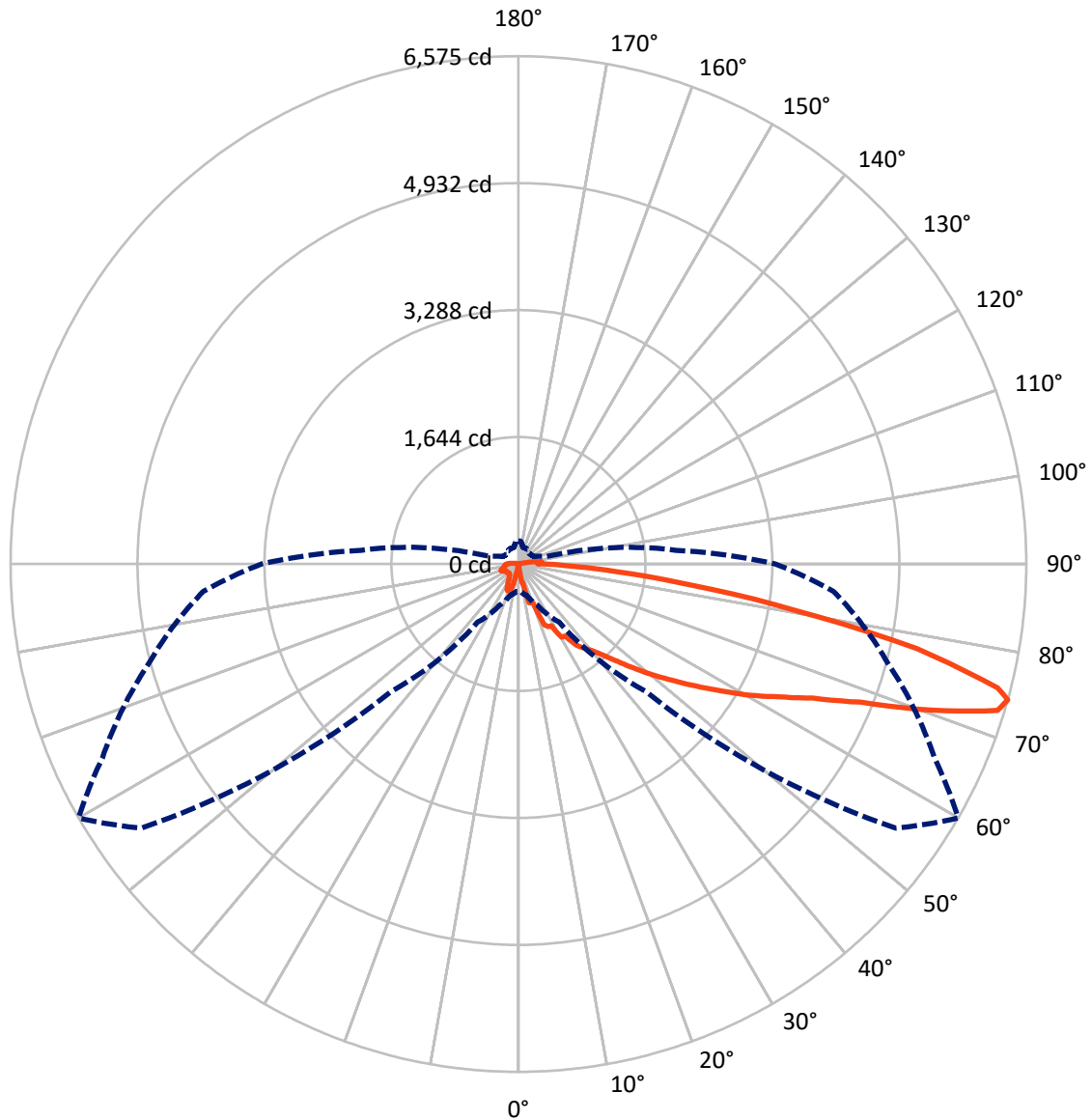
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P417368
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417368

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1151.8	72.9	1224.7
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6202.1	78.2	6280.3
	% Fixture	82.6	1.0	83.7
Total	Lumens	7353.9	151.1	7505.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	95.9	1.3
20°-30°	290.2	3.9
30°-40°	580.9	7.7
40°-50°	996.6	13.3
50°-60°	1519.2	20.2
60°-70°	1871.8	24.9
70°-80°	1564.8	20.9
80°-90°	426.2	5.7
90°-100°	110.1	1.5
100°-110°	19.7	0.3
110°-120°	7.3	0.1
120°-130°	5.5	0.1
130°-140°	3.9	0.1
140°-150°	3.1	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7353.9	98.0
0°-180°	7505.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417368

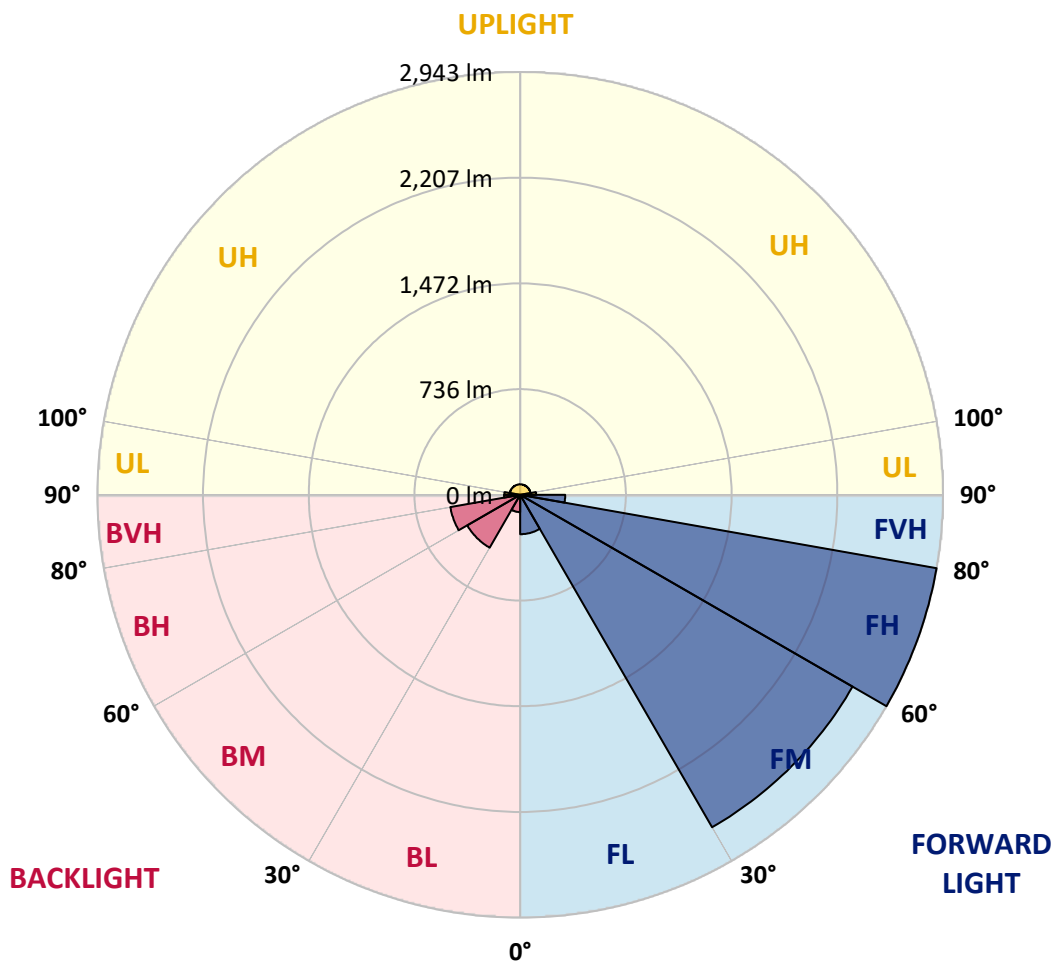
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.1	3.7			
FM (30°-60°)	2671.7	35.6			
FH (60°-80°)	2943.0	39.2			G2/5000
FVH (80°-90°)	313.3	4.2			G3/500
BL (0°-30°)	120.3	1.6	B1/500		
BM (30°-60°)	424.9	5.7	B1/1000		
BH (60°-80°)	493.6	6.6	B1/500		G1/500
BVH (80°-90°)	112.9	1.5			G2/225
UL (90°-100°)	110.1	1.5		U3/500	
UH (100°-180°)	72.9	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





REPORT NUMBER: P417368

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	9.4	8.6	7.7	8.6	9.4	8.6	6.9	6.0	5.1	5.1	5.1
5°	250.2	246.7	245.0	191.0	45.4	28.3	11.1	7.7	6.9	5.1	5.1
7.5°	253.6	250.2	251.0	250.2	245.9	245.9	79.7	29.1	16.3	6.0	6.0
10°	267.3	262.2	255.3	254.4	252.7	250.2	245.9	240.7	54.8	9.4	8.6
12.5°	493.5	490.9	487.5	376.1	272.4	253.6	251.0	245.0	188.5	36.0	166.2
15°	490.0	489.2	483.2	485.8	484.9	275.9	312.7	521.7	501.2	363.3	418.9
17.5°	514.0	511.5	493.5	482.3	483.2	550.9	511.5	514.9	516.6	459.2	448.9
20°	697.4	693.1	691.4	671.7	490.9	646.8	659.7	534.6	547.4	712.8	796.8
22.5°	705.9	699.9	693.1	687.9	774.5	644.3	697.4	851.6	813.0	943.3	889.3
25°	953.5	937.3	869.6	704.2	773.6	741.9	902.1	897.8	849.9	984.4	951.0
27.5°	1032.4	1021.2	971.5	933.8	789.0	888.4	897.0	906.4	1069.2	1357.9	1265.4
30°	1382.8	1296.2	1072.6	1049.5	941.5	896.1	1025.5	1099.2	1202.8	1363.9	1338.2
32.5°	1583.2	1541.2	1433.3	1268.0	1102.6	980.1	1112.0	1112.0	1208.8	1648.3	1692.0
35°	1907.9	1772.6	1561.8	1449.6	1257.7	1172.9	1146.3	1291.1	1429.0	1731.4	1728.9
37.5°	2025.3	2012.4	1933.6	1589.2	1478.7	1275.7	1336.5	1381.0	1497.6	1851.4	1846.2
40°	2089.5	2117.8	2123.8	1890.8	1642.3	1473.6	1452.1	1477.0	1589.2	2020.2	1955.0
42.5°	2307.2	2317.4	2349.1	2083.6	1887.4	1689.5	1629.5	1619.2	1697.2	2216.3	2099.0
45°	2658.4	2663.6	2640.4	2305.4	2087.0	1903.6	1836.8	1797.4	1865.9	2410.8	2281.5
47.5°	3061.1	3073.1	2961.7	2556.5	2268.6	2110.1	2074.1	2013.3	2057.0	2586.4	2508.5
50°	3381.5	3378.1	3179.3	2759.5	2451.9	2321.7	2310.6	2254.0	2259.2	2799.8	2753.5
52.5°	3464.6	3459.4	3289.8	2909.4	2619.0	2541.9	2592.4	2505.1	2459.7	3020.8	3008.0
55°	3339.5	3348.9	3269.3	2972.0	2725.2	2735.5	2866.6	2791.2	2729.5	3229.8	3250.4
57.5°	3158.7	3147.6	3159.6	2996.0	2808.3	2924.9	3193.0	3098.8	3039.7	3466.3	3489.4
60°	2823.8	2808.3	2963.4	2970.3	2885.4	3139.0	3540.0	3448.3	3365.2	3715.6	3690.8
62.5°	2314.0	2294.3	2574.5	2812.6	2973.7	3390.1	3882.7	3783.3	3702.8	3980.3	3933.2
65°	1540.4	1633.8	1961.9	2468.2	2941.1	3751.6	4335.9	4186.8	4040.3	4251.9	4243.4
67.5°	893.6	960.4	1201.1	1755.4	2673.0	4060.9	5054.7	4772.0	4519.2	4559.5	4539.8
70°	554.3	574.9	679.4	1012.6	1883.9	3958.9	5851.4	5668.9	5133.5	4902.2	4586.0
72.5°	430.1	443.8	503.8	661.4	1145.4	3061.9	6230.1	6486.3	5753.8	4992.1	4358.2
74°	352.1	360.7	423.2	592.0	919.3	2334.6	5961.1	6575.4	5943.9	4948.4	4096.0
75°	278.4	287.0	357.3	568.0	873.9	1862.5	5562.7	6410.0	5949.9	4880.8	3779.9
77.5°	170.5	176.5	192.8	392.4	794.2	1064.1	4104.6	5276.6	5273.1	4053.2	2710.7
80°	135.4	137.1	143.9	206.5	646.8	964.7	2599.3	3641.9	3615.4	2433.1	1388.7
82.5°	93.4	100.2	113.9	133.6	344.4	945.0	1638.9	2262.6	1951.6	926.1	580.9
85°	62.5	67.7	86.5	99.4	184.2	1005.8	1176.3	1273.1	960.4	458.3	383.0
87.5°	25.7	26.6	39.4	48.0	74.5	482.3	791.6	630.5	442.1	290.4	311.8
90°	13.7	13.7	10.3	11.1	27.4	103.7	258.7	251.0	208.2	239.0	293.0
92.5°	15.4	15.4	10.3	11.1	26.6	81.4	280.1	286.1	239.0	254.4	313.6
95°	17.1	17.1	10.3	10.3	25.7	55.7	269.0	302.4	245.9	267.3	316.1
97.5°	18.8	19.7	9.4	9.4	20.6	42.0	168.8	206.5	160.2	138.8	151.6
100°	19.7	19.7	8.6	8.6	13.7	30.0	78.0	99.4	77.1	36.0	24.8
102.5°	19.7	20.6	8.6	7.7	9.4	18.8	24.8	36.0	28.3	21.4	23.1
105°	18.8	20.6	8.6	7.7	7.7	10.3	12.9	14.6	15.4	15.4	24.0
107.5°	14.6	16.3	6.9	7.7	6.9	6.9	5.1	6.0	7.7	13.7	24.0



REPORT NUMBER: P417368

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.3	10.3	5.1	6.9	6.0	6.9	4.3	5.1	6.9	10.3	19.7
112.5°	5.1	4.3	3.4	5.1	5.1	6.0	4.3	4.3	6.0	8.6	13.7
115°	3.4	4.3	2.6	3.4	4.3	4.3	3.4	4.3	5.1	8.6	14.6
117.5°	3.4	3.4	2.6	3.4	4.3	3.4	3.4	4.3	5.1	8.6	14.6
120°	4.3	3.4	2.6	3.4	3.4	2.6	3.4	4.3	4.3	8.6	14.6
122.5°	4.3	4.3	3.4	3.4	3.4	2.6	3.4	3.4	4.3	8.6	13.7
125°	5.1	4.3	3.4	3.4	3.4	2.6	3.4	3.4	4.3	7.7	12.9
127.5°	5.1	5.1	3.4	3.4	4.3	2.6	3.4	3.4	4.3	6.9	12.0
130°	5.1	5.1	4.3	3.4	4.3	3.4	3.4	3.4	4.3	6.0	10.3
132.5°	5.1	5.1	4.3	4.3	4.3	3.4	3.4	3.4	3.4	5.1	8.6
135°	6.0	5.1	4.3	4.3	5.1	3.4	3.4	3.4	3.4	4.3	6.0
137.5°	6.0	6.0	5.1	5.1	6.0	4.3	3.4	4.3	4.3	4.3	5.1
140°	6.9	6.9	6.9	6.0	6.0	4.3	4.3	4.3	4.3	5.1	5.1
142.5°	8.6	7.7	7.7	6.9	6.0	4.3	4.3	4.3	5.1	5.1	5.1
145°	9.4	9.4	8.6	7.7	6.0	4.3	4.3	5.1	5.1	6.0	6.0
147.5°	9.4	9.4	8.6	6.9	5.1	3.4	4.3	5.1	5.1	6.0	6.9
150°	9.4	8.6	7.7	6.0	4.3	2.6	3.4	4.3	5.1	6.0	6.9
152.5°	6.9	6.9	6.0	4.3	3.4	1.7	2.6	3.4	4.3	5.1	6.0
155°	4.3	4.3	3.4	2.6	2.6	1.7	2.6	3.4	3.4	4.3	5.1
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	3.4	3.4
160°	0.9	0.9	1.7	0.9	1.7	1.7	1.7	2.6	2.6	2.6	2.6
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: P417368

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2.5°	5.1	5.1	5.1	4.3	4.3	2.6	3.4	3.4	4.3	5.1	6.0
5°	5.1	6.0	5.1	4.3	4.3	3.4	4.3	4.3	4.3	6.0	6.0
7.5°	6.0	6.0	5.1	5.1	4.3	3.4	6.0	185.1	212.5	219.3	221.0
10°	7.7	7.7	6.9	6.0	5.1	199.6	220.2	220.2	218.5	220.2	220.2
12.5°	170.5	183.3	29.1	14.6	164.5	207.3	202.2	198.8	195.3	191.9	190.2
15°	414.7	401.8	368.4	276.7	255.3	190.2	174.8	242.5	258.7	263.0	262.2
17.5°	437.8	417.2	366.7	384.7	337.5	243.3	219.3	217.6	208.2	208.2	209.0
20°	823.3	776.2	500.3	375.2	293.0	294.7	187.6	167.1	174.8	185.9	192.8
22.5°	845.6	783.9	585.1	488.3	263.9	238.2	183.3	161.9	218.5	240.7	242.5
25°	902.1	803.6	592.9	411.2	298.1	195.3	182.5	168.8	200.5	221.0	219.3
27.5°	1221.7	1083.8	753.1	378.7	235.6	184.2	172.2	161.9	199.6	233.0	232.2
30°	1220.0	1068.3	695.7	348.7	194.5	171.3	156.8	176.5	185.9	198.8	199.6
32.5°	1584.1	1357.9	760.8	289.6	172.2	148.2	155.1	161.1	168.8	201.3	208.2
35°	1591.8	1327.9	660.5	265.6	158.5	141.4	145.6	159.4	175.6	196.2	197.9
37.5°	1622.6	1312.5	548.3	219.3	162.8	143.1	151.6	167.1	162.8	191.0	194.5
40°	1679.2	1316.8	460.9	196.2	160.2	143.1	158.5	161.1	161.9	176.5	178.2
42.5°	1766.6	1339.9	387.2	185.9	157.6	155.1	153.4	154.2	148.2	177.3	180.8
45°	1890.8	1387.9	330.7	182.5	157.6	180.8	160.2	154.2	141.4	203.9	218.5
47.5°	2074.1	1482.1	297.3	183.3	158.5	173.1	158.5	149.9	147.4	238.2	248.4
50°	2281.5	1590.1	275.0	186.8	158.5	170.5	155.9	154.2	163.6	241.6	244.2
52.5°	2504.2	1734.0	267.3	190.2	170.5	173.1	177.3	176.5	157.6	193.6	193.6
55°	2730.4	1883.1	269.9	194.5	179.9	177.3	189.3	167.1	135.4	143.9	142.2
57.5°	2943.7	2057.0	287.9	191.9	173.9	175.6	191.0	156.8	135.4	143.9	147.4
60°	3175.0	2245.5	337.5	185.1	171.3	170.5	188.5	165.3	135.4	165.3	166.2
62.5°	3456.9	2505.1	445.5	191.9	185.1	175.6	189.3	182.5	155.1	158.5	161.9
65°	3790.1	2773.2	548.3	218.5	195.3	176.5	186.8	191.9	175.6	169.6	168.8
67.5°	4034.3	2839.2	552.6	253.6	209.0	185.9	188.5	209.0	191.9	195.3	193.6
70°	3972.6	2659.3	478.9	268.2	217.6	193.6	193.6	216.8	202.2	232.2	233.0
72.5°	3671.1	2308.9	404.4	248.4	206.5	196.2	215.0	224.5	215.0	279.3	275.9
74°	3324.9	2045.0	371.8	226.2	202.2	195.3	221.0	224.5	221.9	298.1	295.6
75°	3059.4	1837.7	353.8	213.3	199.6	192.8	222.7	225.3	224.5	300.7	299.9
77.5°	2114.4	1241.4	309.3	190.2	195.3	192.8	221.9	230.5	236.5	299.0	296.4
80°	1084.6	679.4	257.9	179.9	193.6	197.9	219.3	222.7	232.2	282.7	280.1
82.5°	544.0	391.5	189.3	165.3	196.2	215.0	220.2	215.9	218.5	260.4	256.2
85°	350.4	270.7	125.9	138.8	199.6	233.0	219.3	201.3	204.8	227.0	225.3
87.5°	281.9	200.5	77.1	107.9	212.5	213.3	200.5	178.2	173.9	178.2	175.6
90°	260.4	185.9	65.1	102.0	205.6	178.2	163.6	145.6	130.2	131.1	125.9
92.5°	280.1	194.5	69.4	101.1	163.6	125.1	119.9	110.5	91.7	81.4	76.2
95°	275.9	186.8	70.3	85.7	119.9	71.1	84.8	78.0	56.5	42.8	40.3
97.5°	132.8	94.2	62.5	66.8	70.3	54.0	72.0	66.0	41.1	26.6	24.8
100°	24.8	35.1	55.7	63.4	55.7	42.0	56.5	50.5	22.3	13.7	12.9
102.5°	24.0	19.7	42.0	57.4	35.1	24.0	30.8	28.3	14.6	10.3	10.3
105°	24.8	19.7	19.7	39.4	21.4	11.1	9.4	13.7	10.3	10.3	11.1
107.5°	25.7	19.7	12.0	12.9	10.3	8.6	6.9	6.9	7.7	11.1	12.0



REPORT NUMBER: P417368

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.6	17.1	11.1	10.3	9.4	8.6	6.9	6.0	7.7	12.0	12.9
112.5°	14.6	13.7	10.3	8.6	7.7	7.7	6.0	5.1	7.7	12.9	13.7
115°	14.6	13.7	8.6	7.7	6.0	6.9	6.0	5.1	7.7	14.6	15.4
117.5°	15.4	12.9	8.6	6.9	5.1	5.1	5.1	5.1	8.6	14.6	15.4
120°	15.4	12.9	8.6	6.0	5.1	4.3	5.1	5.1	8.6	14.6	16.3
122.5°	14.6	12.9	7.7	6.0	5.1	4.3	4.3	4.3	7.7	14.6	15.4
125°	13.7	12.0	7.7	6.0	5.1	3.4	4.3	4.3	7.7	13.7	15.4
127.5°	12.9	11.1	7.7	6.0	4.3	3.4	4.3	4.3	7.7	12.9	14.6
130°	11.1	10.3	6.9	5.1	4.3	3.4	4.3	4.3	7.7	12.0	13.7
132.5°	9.4	8.6	6.0	5.1	4.3	3.4	4.3	3.4	6.0	11.1	12.0
135°	6.9	6.9	6.0	4.3	4.3	2.6	3.4	3.4	5.1	8.6	9.4
137.5°	6.0	6.0	5.1	4.3	4.3	2.6	3.4	2.6	4.3	6.9	7.7
140°	6.0	6.0	5.1	4.3	3.4	2.6	2.6	2.6	3.4	6.0	6.0
142.5°	6.0	6.0	5.1	4.3	3.4	2.6	2.6	2.6	3.4	5.1	6.0
145°	6.0	6.0	6.0	5.1	3.4	2.6	2.6	2.6	3.4	5.1	5.1
147.5°	6.9	6.9	6.0	4.3	3.4	1.7	1.7	2.6	3.4	5.1	5.1
150°	6.9	6.9	6.0	4.3	3.4	1.7	0.9	1.7	2.6	4.3	5.1
152.5°	6.0	6.0	5.1	4.3	2.6	1.7	0.9	1.7	2.6	4.3	4.3
155°	5.1	5.1	4.3	3.4	2.6	0.9	0.0	0.9	1.7	3.4	3.4
157.5°	3.4	4.3	3.4	2.6	1.7	0.9	0.0	0.9	0.9	2.6	2.6
160°	3.4	3.4	3.4	2.6	1.7	0.9	0.0	0.0	0.9	1.7	1.7
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)