

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: P414067

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7826 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

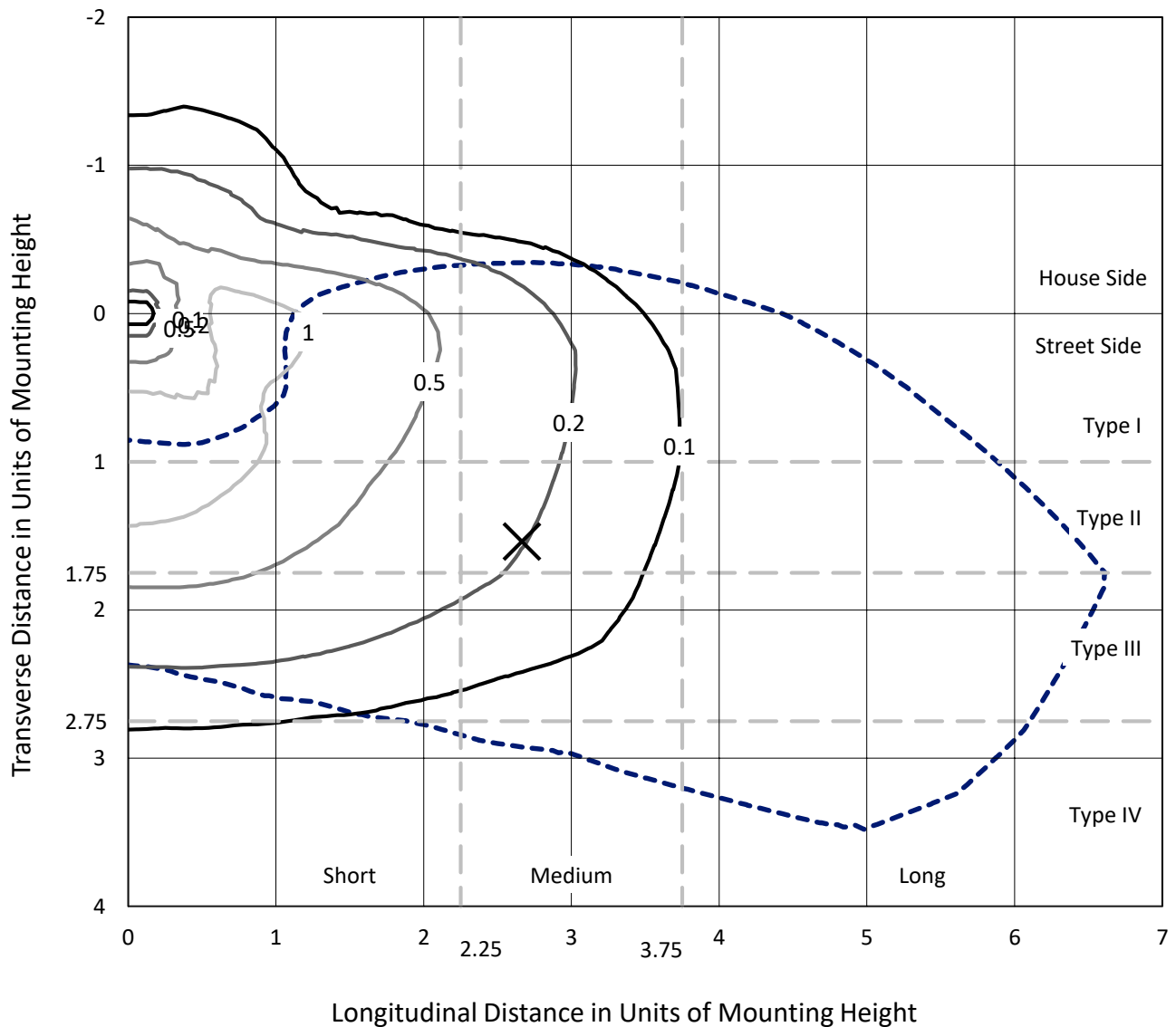
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

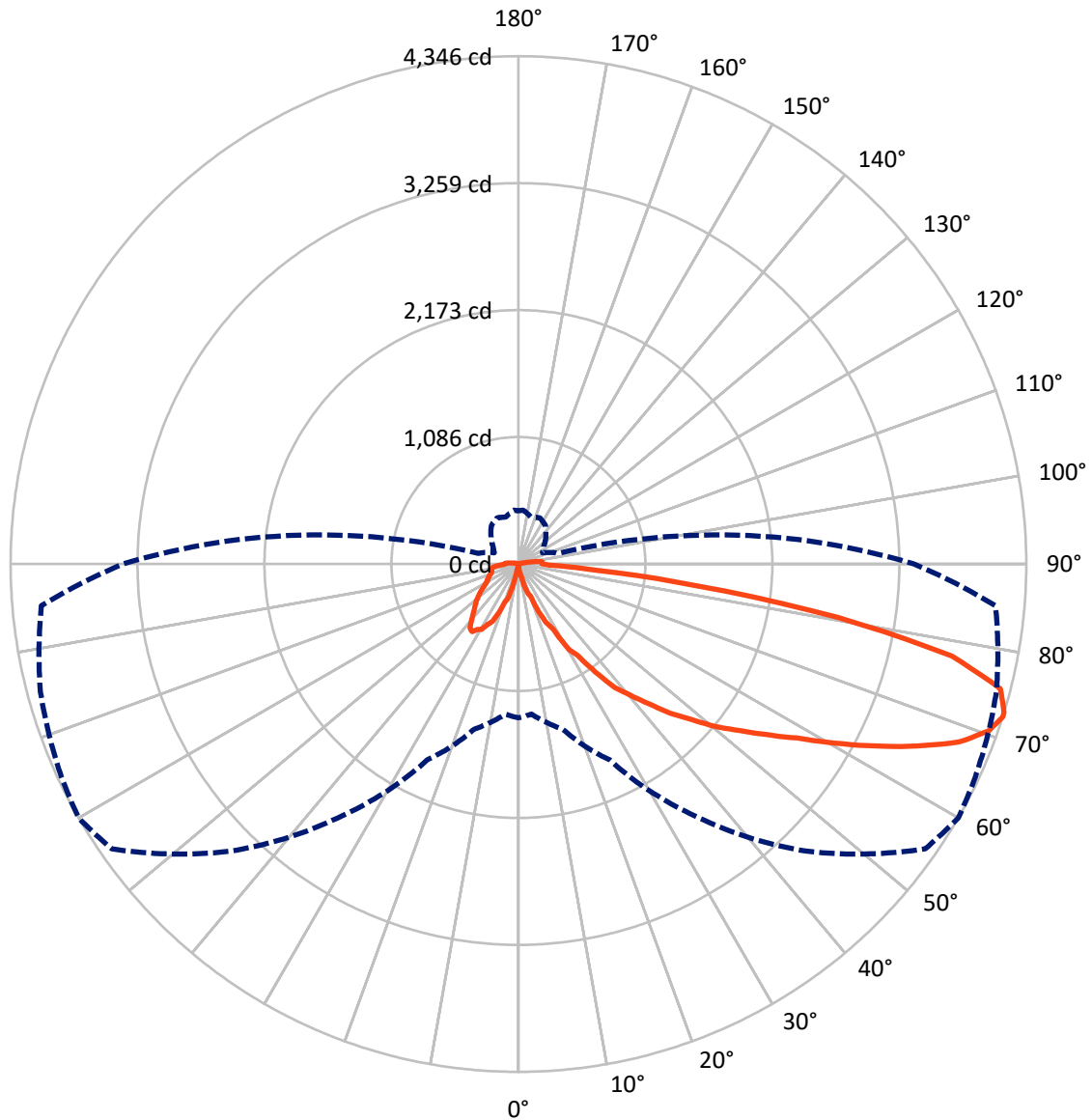


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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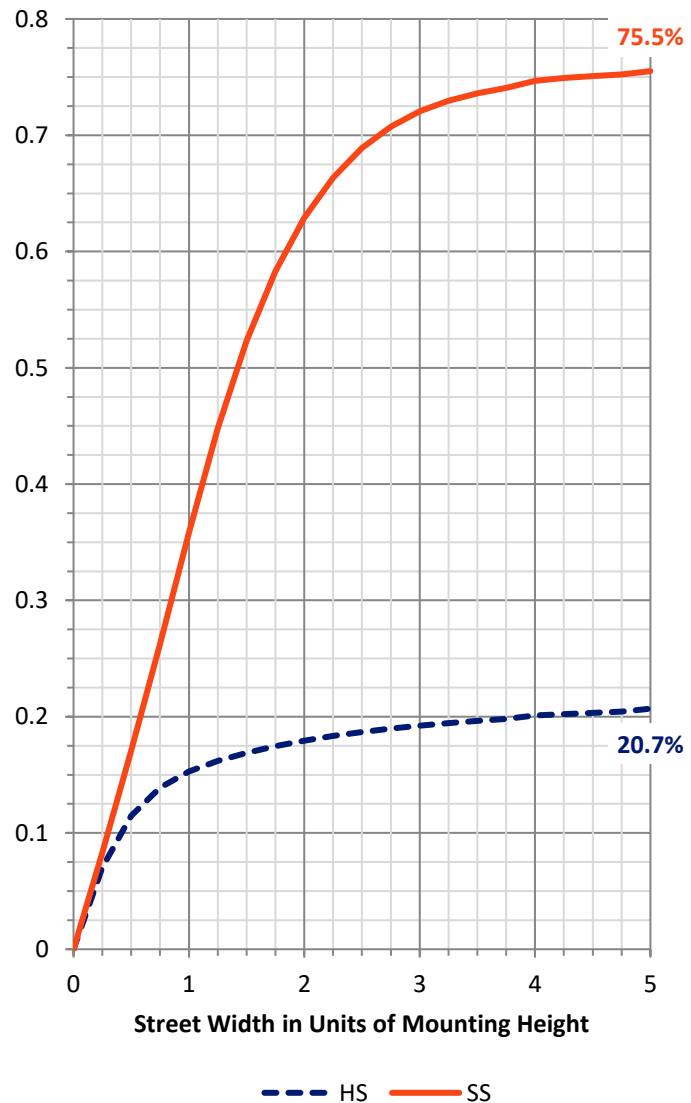
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1710.4	83.4	1793.9
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5958.8	73.3	6032.1
	% Fixture	76.1	0.9	77.1
Total	Lumens	7669.2	156.7	7826.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	64.0	0.8
20°-30°	266.8	3.4
30°-40°	616.4	7.9
40°-50°	1082.3	13.8
50°-60°	1635.8	20.9
60°-70°	2017.0	25.8
70°-80°	1557.2	19.9
80°-90°	425.4	5.4
90°-100°	115.5	1.5
100°-110°	20.0	0.3
110°-120°	7.7	0.1
120°-130°	5.5	0.1
130°-140°	3.7	0.0
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7669.2	98.0
0°-180°	7826.0	100.0

Coefficient of Utilization



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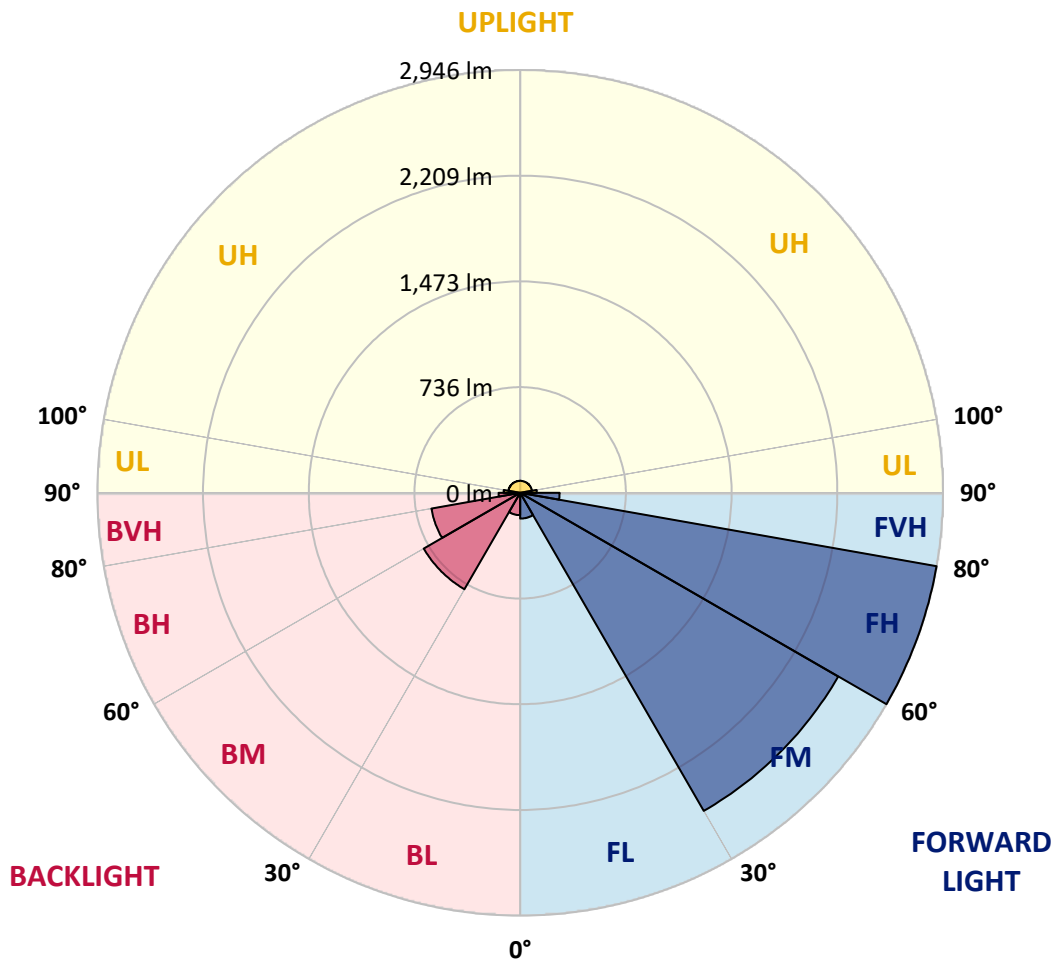
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.6	2.3			
FM	(30°-60°)	2558.8	32.7			
FH	(60°-80°)	2945.7	37.6			G2/5000
FVH	(80°-90°)	274.8	3.5			G3/500
BL	(0°-30°)	155.5	2.0	B1/500		
BM	(30°-60°)	775.8	9.9	B1/1000		
BH	(60°-80°)	628.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	150.7	1.9			G2/225
UL	(90°-100°)	115.5	1.5		U3/500	
UH	(100°-180°)	83.4	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	10.4	9.5	8.7	8.7	9.5	8.7	7.8	6.9	6.1	6.1	5.2
5°	97.2	94.6	93.7	75.5	34.7	26.9	12.1	9.5	7.8	6.1	5.2
7.5°	107.6	106.7	105.8	105.8	104.1	98.9	56.4	27.8	15.6	7.8	6.9
10°	123.2	121.5	116.3	113.6	111.0	109.3	101.5	96.3	43.4	13.0	11.3
12.5°	219.5	216.0	210.8	156.2	133.6	118.0	115.4	111.0	96.3	39.9	80.7
15°	236.0	235.1	231.6	229.0	222.1	147.5	178.7	203.9	230.8	188.3	209.9
17.5°	296.7	288.0	265.5	252.5	248.1	270.7	258.5	262.9	262.9	253.3	240.3
20°	443.3	437.2	426.0	375.7	282.8	348.8	341.8	290.6	299.3	370.4	430.3
22.5°	534.4	528.3	504.9	472.8	466.7	387.8	403.4	440.7	451.1	519.7	518.8
25°	725.3	714.0	663.7	569.1	581.3	500.6	563.0	554.4	527.5	572.6	588.2
27.5°	885.8	876.2	851.9	804.2	674.1	700.1	640.3	629.0	701.0	827.6	825.0
30°	1062.8	1010.7	945.6	930.9	834.6	793.8	809.4	846.7	873.6	885.8	916.1
32.5°	1289.2	1283.1	1234.5	1042.8	1012.4	907.5	982.1	930.9	951.7	1127.0	1231.1
35°	1446.2	1461.8	1375.9	1261.4	1117.4	1114.8	1083.6	1134.8	1234.5	1258.8	1330.8
37.5°	1812.3	1816.7	1739.4	1412.4	1318.7	1228.5	1325.6	1339.5	1367.3	1408.9	1469.6
40°	2088.2	2049.2	1953.7	1710.8	1506.9	1408.9	1478.3	1476.6	1537.3	1613.6	1651.8
42.5°	2428.3	2384.9	2214.0	1939.0	1748.1	1639.7	1646.6	1631.9	1682.2	1802.8	1826.2
45°	2713.7	2694.6	2562.8	2273.0	2014.5	1884.3	1837.5	1819.3	1844.4	1996.2	2009.3
47.5°	2983.5	2932.3	2846.4	2553.2	2401.4	2164.5	2030.1	1986.7	1994.5	2167.1	2205.3
50°	3268.9	3183.1	3077.2	2819.5	2709.4	2516.8	2251.3	2183.6	2186.2	2345.9	2410.9
52.5°	3438.1	3301.9	3233.4	3020.0	2908.9	2812.6	2482.9	2365.8	2378.0	2528.9	2627.8
55°	3333.1	3292.4	3294.1	3166.6	3084.1	2971.4	2707.6	2576.6	2590.5	2767.5	2891.6
57.5°	3156.2	3187.4	3297.6	3292.4	3246.4	3136.2	2931.5	2809.1	2889.0	3037.3	3168.3
60°	3020.0	3055.5	3234.2	3326.2	3412.1	3331.4	3163.1	3110.2	3184.8	3314.1	3471.1
62.5°	2792.7	2821.3	3066.8	3309.7	3407.7	3498.0	3383.5	3431.2	3499.7	3609.0	3799.9
65°	2482.1	2475.1	2780.5	3158.8	3379.1	3590.8	3667.1	3754.8	3817.2	3934.4	4107.9
67.5°	2115.1	2149.8	2406.6	2833.4	3267.2	3637.6	3905.7	4066.2	4105.3	4150.4	4275.3
70°	1727.3	1725.6	1950.3	2404.0	3026.9	3611.6	4132.2	4271.0	4271.8	4244.9	4282.2
72°	1316.9	1289.2	1462.7	1849.6	2628.7	3471.9	4248.4	4345.6	4313.5	4233.7	4097.5
72.5°	1130.4	1155.6	1318.7	1742.0	2450.0	3402.5	4260.6	4344.7	4310.0	4222.4	4041.9
75°	573.5	537.0	629.8	933.5	1690.0	2749.3	4172.9	4259.7	4162.5	4053.2	3544.0
77.5°	224.7	230.8	267.2	403.4	822.4	1810.6	3602.1	3791.2	3728.7	3651.5	2795.3
80°	157.9	157.9	178.7	229.9	421.6	735.7	2495.9	2771.0	2867.3	2905.4	1869.6
82.5°	114.5	116.3	136.2	160.5	301.0	353.1	1225.9	1539.9	1691.7	1834.0	1045.4
85°	106.7	106.7	109.3	107.6	215.2	251.6	445.9	657.6	760.0	891.0	422.5
87.5°	50.3	54.7	80.7	64.2	105.8	155.3	242.9	263.7	269.8	306.2	303.6
90°	33.0	33.0	26.9	27.8	52.1	125.8	195.2	199.5	191.7	224.7	282.8
92.5°	33.8	34.7	25.2	26.0	40.8	115.4	200.4	203.9	197.8	236.0	300.2
95°	31.2	31.2	21.7	22.6	32.1	88.5	200.4	203.9	186.5	235.1	300.2
97.5°	26.0	26.9	17.4	18.2	25.2	43.4	138.8	149.2	118.9	119.7	146.6
100°	22.6	22.6	13.9	14.7	18.2	20.0	70.3	73.7	65.9	29.5	20.0
102.5°	22.6	22.6	12.1	12.1	12.1	11.3	21.7	36.4	30.4	17.4	19.1
105°	21.7	22.6	11.3	9.5	9.5	8.7	11.3	13.9	13.9	13.9	20.0
107.5°	17.4	18.2	8.7	8.7	7.8	7.8	6.1	6.1	8.7	13.0	21.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.9	13.9	6.9	7.8	6.1	6.9	5.2	5.2	7.8	9.5	16.5
112.5°	7.8	7.8	5.2	6.1	5.2	6.1	5.2	5.2	6.1	7.8	10.4
115°	6.9	6.9	4.3	4.3	4.3	4.3	4.3	4.3	5.2	6.9	11.3
117.5°	6.9	6.9	4.3	4.3	4.3	3.5	3.5	4.3	4.3	6.9	11.3
120°	6.9	6.9	4.3	4.3	3.5	3.5	3.5	4.3	4.3	6.9	11.3
122.5°	7.8	6.9	4.3	3.5	3.5	3.5	3.5	3.5	4.3	6.1	11.3
125°	7.8	6.9	5.2	3.5	3.5	3.5	3.5	3.5	4.3	6.1	9.5
127.5°	7.8	7.8	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	8.7
130°	7.8	6.9	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	7.8
132.5°	6.9	6.9	5.2	3.5	4.3	3.5	3.5	3.5	3.5	4.3	6.1
135°	6.1	6.1	4.3	4.3	4.3	3.5	3.5	3.5	3.5	3.5	5.2
137.5°	6.1	6.1	5.2	4.3	4.3	4.3	3.5	3.5	3.5	3.5	4.3
140°	6.1	6.1	5.2	5.2	5.2	4.3	3.5	3.5	3.5	4.3	4.3
142.5°	6.9	6.9	6.1	5.2	5.2	4.3	3.5	3.5	4.3	4.3	4.3
145°	7.8	7.8	6.9	6.1	5.2	3.5	3.5	4.3	4.3	4.3	5.2
147.5°	7.8	7.8	6.9	5.2	4.3	3.5	3.5	4.3	4.3	5.2	5.2
150°	6.9	6.9	6.1	4.3	3.5	2.6	3.5	3.5	4.3	5.2	5.2
152.5°	5.2	5.2	4.3	3.5	2.6	1.7	2.6	3.5	3.5	4.3	5.2
155°	3.5	3.5	2.6	1.7	1.7	1.7	2.6	2.6	2.6	3.5	4.3
157.5°	1.7	1.7	0.9	0.9	1.7	1.7	1.7	2.6	2.6	2.6	3.5
160°	0.9	0.9	0.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	5.2	5.2	5.2	5.2	5.2	5.2	6.1	6.1	6.1	6.9	7.8
5°	5.2	5.2	5.2	5.2	6.1	6.9	7.8	8.7	9.5	10.4	10.4
7.5°	6.1	6.1	6.1	6.9	7.8	9.5	21.7	76.3	104.1	113.6	111.0
10°	11.3	11.3	10.4	10.4	12.1	101.5	129.3	140.5	146.6	153.6	153.6
12.5°	90.2	104.1	37.3	20.8	100.6	142.3	152.7	160.5	165.7	172.6	172.6
15°	217.8	221.2	227.3	204.7	197.8	161.4	168.3	228.2	300.2	319.3	321.0
17.5°	244.6	249.0	253.3	300.2	319.3	247.3	284.6	320.1	327.1	334.0	334.0
20°	466.7	473.7	384.3	344.4	336.6	419.0	321.9	330.5	342.7	404.3	410.4
22.5°	529.2	533.5	499.7	521.4	381.7	438.1	423.4	423.4	473.7	477.2	478.0
25°	593.4	617.7	553.5	536.1	543.1	443.3	499.7	451.1	458.1	463.3	464.1
27.5°	865.8	862.3	810.3	613.4	544.8	537.0	485.0	445.1	520.5	540.5	541.4
30°	920.5	911.8	865.0	718.3	565.6	531.8	457.2	514.5	500.6	503.2	504.0
32.5°	1265.8	1251.9	1119.1	727.0	590.8	491.0	496.2	478.9	480.6	534.4	536.1
35°	1352.5	1333.4	1146.9	840.7	563.0	498.0	458.9	480.6	489.3	486.7	486.7
37.5°	1468.8	1432.3	1138.2	790.3	585.6	465.9	439.0	453.7	448.5	481.5	479.8
40°	1595.4	1544.2	1142.6	733.1	530.9	437.2	420.8	433.8	430.3	420.8	413.8
42.5°	1756.8	1668.3	1141.7	685.4	480.6	427.7	397.3	396.5	381.7	366.1	360.9
45°	1921.6	1799.3	1145.2	630.7	442.5	419.9	384.3	363.5	350.5	334.0	329.7
47.5°	2102.1	1939.0	1155.6	587.3	413.0	396.5	367.8	342.7	333.1	312.3	310.6
50°	2315.5	2085.6	1159.1	552.6	378.3	375.7	355.7	327.9	313.2	292.4	290.6
52.5°	2545.4	2240.9	1165.1	501.4	351.4	367.8	362.6	324.5	318.4	291.5	289.8
55°	2763.2	2388.4	1163.4	439.8	339.2	360.9	362.6	347.0	337.5	293.2	289.8
57.5°	3025.2	2548.0	1137.4	382.6	320.1	350.5	380.0	367.0	356.6	320.1	313.2
60°	3259.4	2712.8	1060.1	338.3	303.6	339.2	394.7	381.7	352.2	328.8	321.9
62.5°	3533.5	2855.1	952.6	306.2	297.6	342.7	399.9	391.3	354.8	347.0	344.4
65°	3719.2	2908.9	789.5	280.2	296.7	342.7	398.2	399.9	373.9	381.7	380.9
67.5°	3741.8	2839.5	598.6	260.3	286.3	342.7	395.6	417.3	391.3	423.4	425.1
70°	3633.3	2666.0	436.4	240.3	275.0	338.3	396.5	428.6	404.3	454.6	451.1
72°	3383.5	2403.1	353.1	227.3	265.5	331.4	402.5	434.6	415.6	462.4	454.6
72.5°	3318.4	2322.4	337.5	225.6	263.7	330.5	404.3	436.4	416.4	470.2	460.7
75°	2777.0	1849.6	289.8	212.6	266.3	326.2	413.0	435.5	421.6	475.4	477.2
77.5°	2103.8	1246.7	256.8	201.3	265.5	318.4	410.4	428.6	413.8	457.2	466.7
80°	1302.2	725.3	228.2	200.4	263.7	314.9	399.1	410.4	392.1	426.8	429.4
82.5°	712.3	424.2	197.8	196.9	255.9	305.4	377.4	389.5	372.2	410.4	383.5
85°	364.4	288.0	148.4	161.4	223.8	287.2	352.2	351.4	334.0	347.9	328.8
87.5°	281.1	226.4	96.3	116.3	183.1	236.8	289.8	287.2	264.6	266.3	258.5
90°	258.5	202.1	63.3	82.4	152.7	170.0	201.3	193.5	177.8	181.3	178.7
92.5°	260.3	199.5	60.7	87.6	146.6	152.7	184.8	175.2	159.6	161.4	156.2
95°	254.2	191.7	60.7	77.2	121.5	108.4	132.7	129.3	116.3	110.2	107.6
97.5°	121.5	95.4	56.4	57.3	68.5	59.0	80.7	86.8	69.4	55.5	55.5
100°	20.8	32.1	49.5	58.1	49.5	37.3	51.2	59.0	39.9	18.2	20.0
102.5°	20.8	20.0	38.2	49.5	35.6	20.0	29.5	39.0	25.2	13.9	14.7
105°	22.6	20.8	18.2	33.8	20.8	10.4	11.3	20.0	13.9	13.9	13.9
107.5°	24.3	22.6	13.0	13.0	10.4	9.5	8.7	7.8	9.5	13.9	14.7



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CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.2	18.2	12.1	10.4	9.5	9.5	6.9	6.9	9.5	14.7	14.7
112.5°	13.0	13.0	10.4	8.7	7.8	9.5	6.9	6.9	8.7	14.7	15.6
115°	13.0	13.0	9.5	7.8	6.9	7.8	6.9	6.1	8.7	14.7	15.6
117.5°	13.0	13.0	9.5	6.9	6.1	6.1	5.2	6.1	8.7	14.7	15.6
120°	13.0	13.0	9.5	6.9	6.1	5.2	5.2	5.2	8.7	14.7	15.6
122.5°	12.1	12.1	8.7	6.1	5.2	4.3	4.3	5.2	7.8	13.9	14.7
125°	11.3	11.3	7.8	6.1	5.2	4.3	4.3	4.3	7.8	13.0	13.9
127.5°	10.4	10.4	7.8	5.2	4.3	4.3	4.3	4.3	6.9	12.1	13.0
130°	8.7	8.7	6.9	5.2	4.3	3.5	4.3	4.3	6.9	11.3	11.3
132.5°	6.9	6.9	5.2	4.3	4.3	3.5	3.5	4.3	6.1	9.5	10.4
135°	5.2	5.2	5.2	4.3	4.3	3.5	3.5	3.5	5.2	7.8	8.7
137.5°	4.3	5.2	4.3	4.3	4.3	3.5	3.5	3.5	5.2	6.9	6.9
140°	4.3	4.3	4.3	4.3	4.3	3.5	3.5	3.5	5.2	6.1	6.9
142.5°	4.3	5.2	4.3	4.3	4.3	3.5	3.5	4.3	5.2	6.9	6.9
145°	5.2	5.2	5.2	4.3	4.3	2.6	2.6	4.3	5.2	6.9	6.9
147.5°	5.2	5.2	5.2	4.3	3.5	2.6	2.6	3.5	5.2	6.9	6.9
150°	5.2	5.2	5.2	4.3	3.5	1.7	1.7	3.5	4.3	6.1	6.9
152.5°	5.2	5.2	4.3	4.3	2.6	1.7	0.9	2.6	3.5	5.2	5.2
155°	4.3	4.3	4.3	3.5	2.6	0.9	0.0	0.9	2.6	4.3	4.3
157.5°	3.5	3.5	3.5	2.6	1.7	0.9	0.0	0.9	0.9	2.6	2.6
160°	2.6	2.6	2.6	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)