

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: P414040

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414040
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-PA1-100-830-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 7600 lumens
Efficiency: N/A
Efficacy: 79.2 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

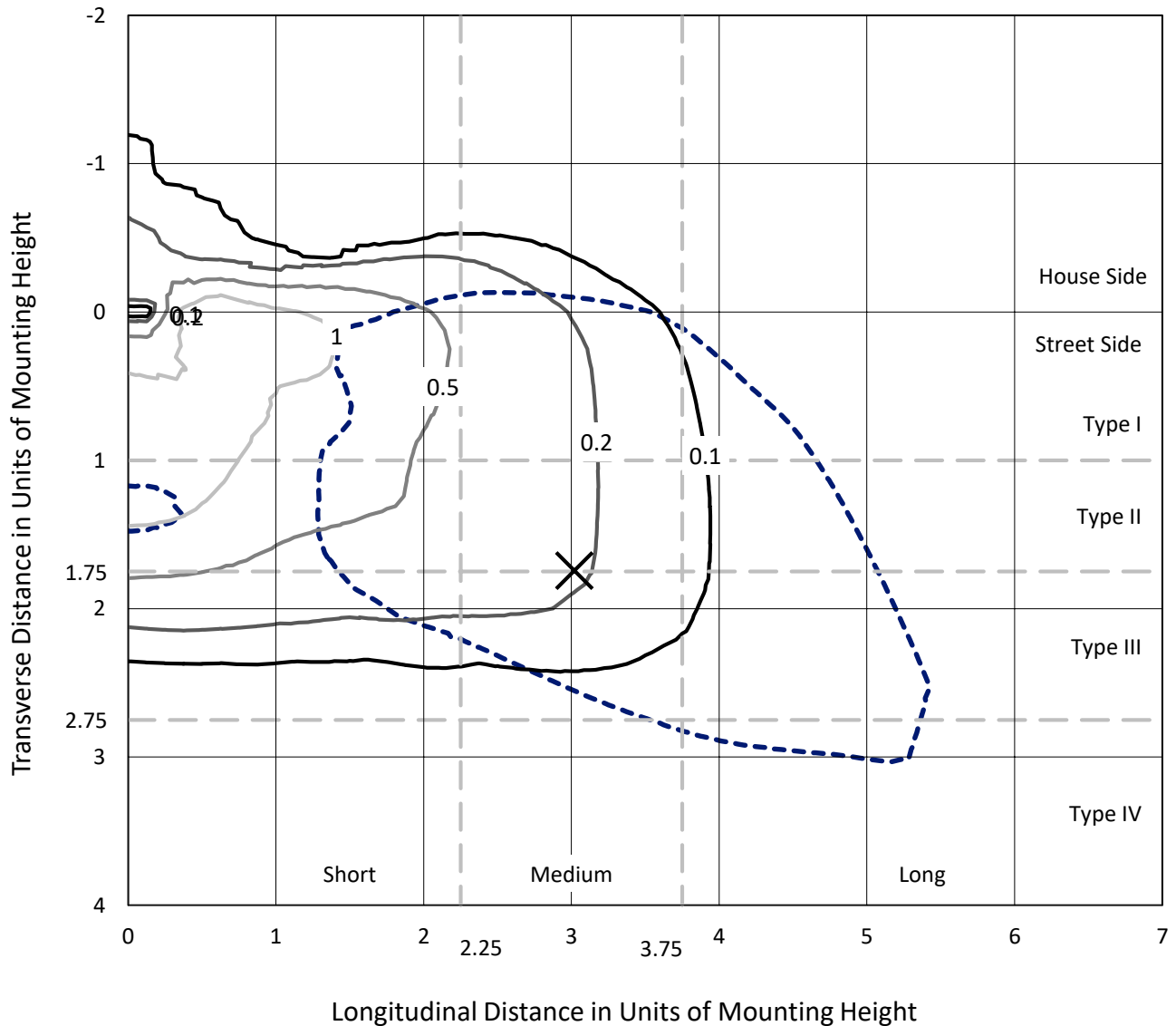
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

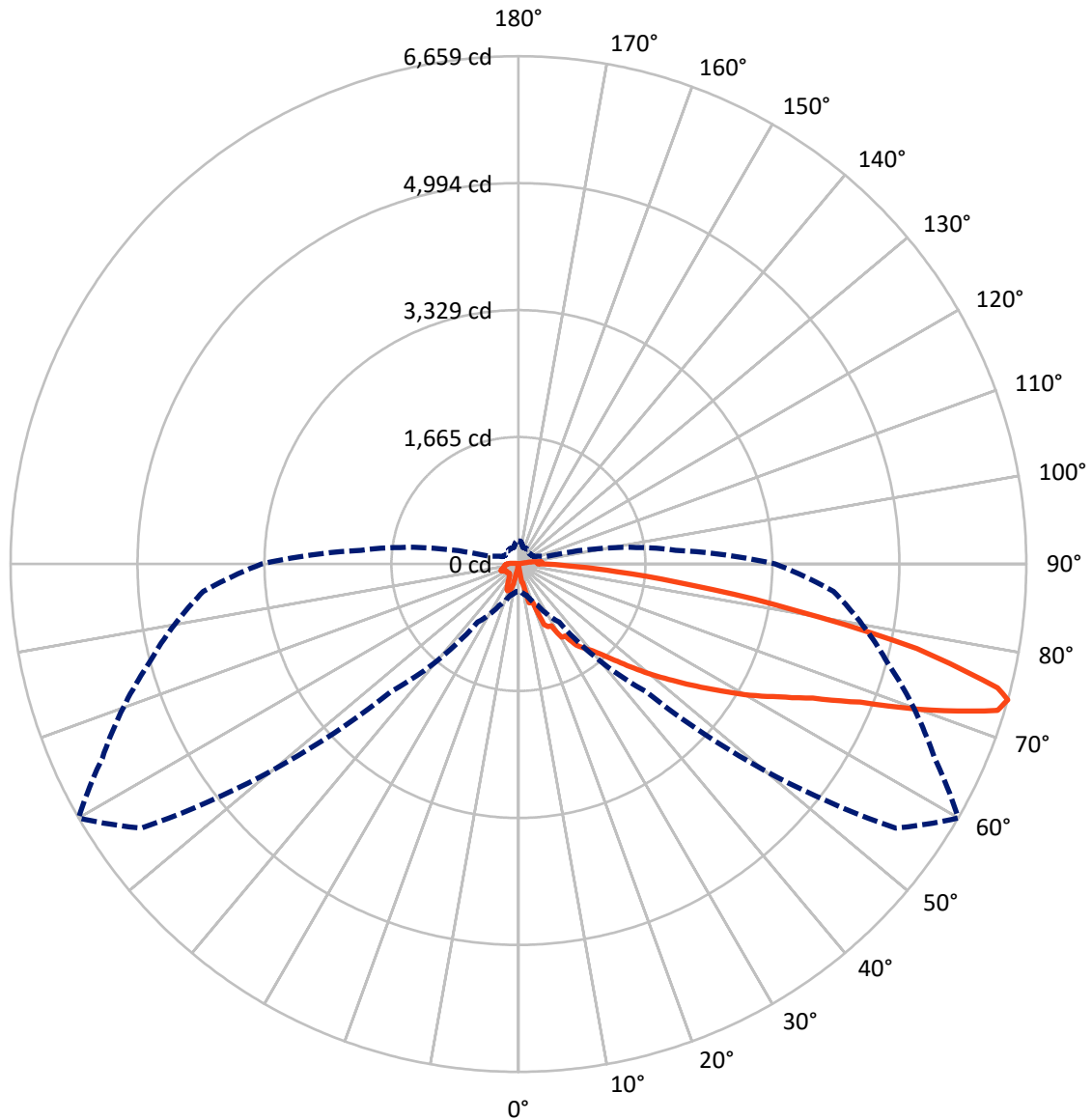


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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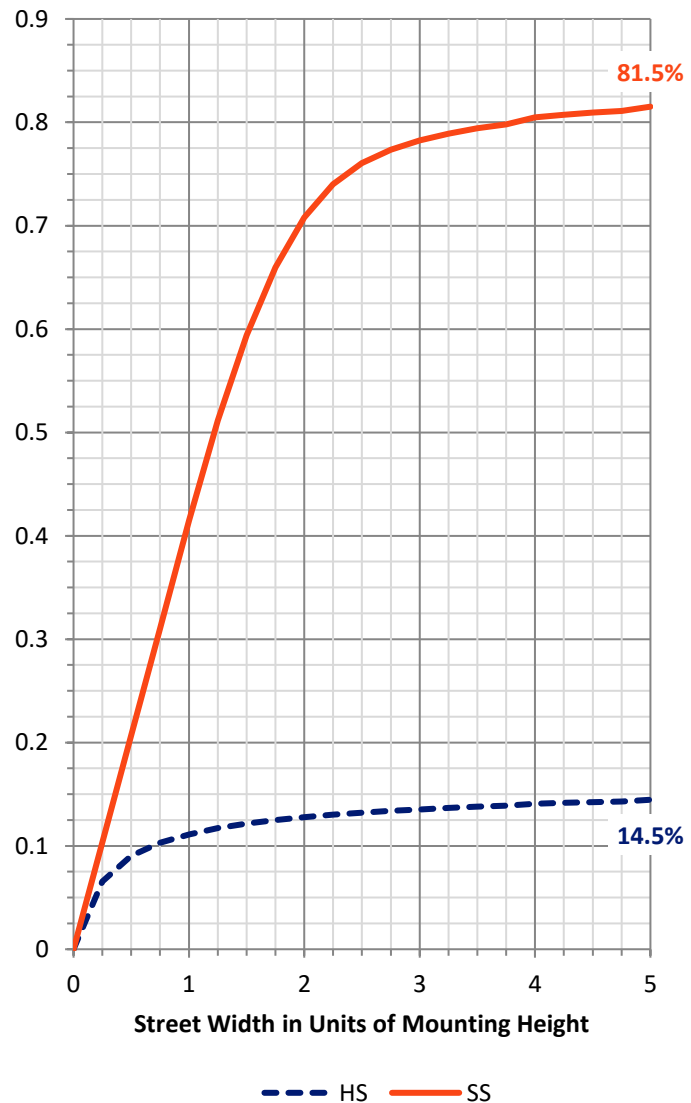
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.4	73.9	1240.2
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	6280.6	79.2	6359.7
	% Fixture	82.6	1.0	83.7
Total	Lumens	7446.9	153.0	7600.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	97.1	1.3
20°-30°	293.9	3.9
30°-40°	588.3	7.7
40°-50°	1009.2	13.3
50°-60°	1538.4	20.2
60°-70°	1895.5	24.9
70°-80°	1584.6	20.9
80°-90°	431.6	5.7
90°-100°	111.5	1.5
100°-110°	20.0	0.3
110°-120°	7.4	0.1
120°-130°	5.6	0.1
130°-140°	3.9	0.1
140°-150°	3.2	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7446.9	98.0
0°-180°	7600.0	100.0

Coefficient of Utilization



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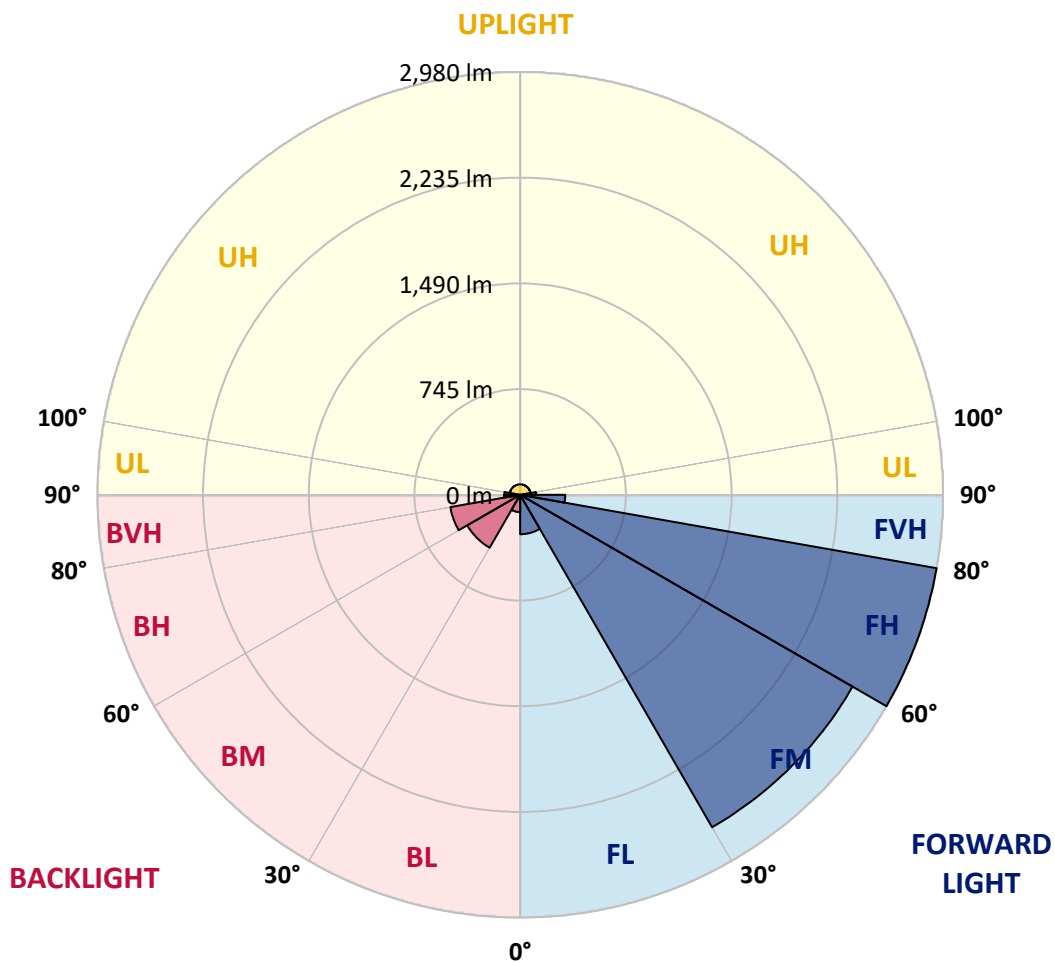
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.5	3.7			
FM (30°-60°)	2705.5	35.6			
FH (60°-80°)	2980.3	39.2			G2/5000
FVH (80°-90°)	317.2	4.2			G3/500
BL (0°-30°)	121.8	1.6	B1/500		
BM (30°-60°)	430.3	5.7	B1/1000		
BH (60°-80°)	499.9	6.6	B1/500		G1/500
BVH (80°-90°)	114.3	1.5			G2/225
UL (90°-100°)	111.5	1.5		U3/500	
UH (100°-180°)	73.9	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	9.5	8.7	7.8	8.7	9.5	8.7	6.9	6.1	5.2	5.2	5.2
5°	253.3	249.9	248.1	193.5	46.0	28.6	11.3	7.8	6.9	5.2	5.2
7.5°	256.8	253.3	254.2	253.3	249.0	249.0	80.7	29.5	16.5	6.1	6.1
10°	270.7	265.5	258.5	257.7	255.9	253.3	249.0	243.8	55.5	9.5	8.7
12.5°	499.7	497.1	493.6	380.9	275.9	256.8	254.2	248.1	190.9	36.4	168.3
15°	496.2	495.4	489.3	491.9	491.0	279.4	316.7	528.3	507.5	367.8	424.2
17.5°	520.5	517.9	499.7	488.4	489.3	557.8	517.9	521.4	523.1	465.0	454.6
20°	706.2	701.9	700.1	680.2	497.1	655.0	668.0	541.4	554.4	721.8	806.8
22.5°	714.9	708.8	701.9	696.7	784.3	652.4	706.2	862.4	823.3	955.2	900.5
25°	965.6	949.1	880.6	713.1	783.4	751.3	913.5	909.2	860.6	996.8	963.0
27.5°	1045.4	1034.1	983.8	945.6	799.0	899.7	908.3	917.9	1082.7	1375.1	1281.4
30°	1400.3	1312.6	1086.2	1062.8	953.5	907.5	1038.5	1113.1	1218.1	1381.2	1355.1
32.5°	1603.3	1560.8	1451.4	1284.0	1116.6	992.5	1126.1	1126.1	1224.1	1669.2	1713.4
35°	1932.1	1795.0	1581.6	1467.9	1273.6	1187.7	1160.8	1307.4	1447.1	1753.4	1750.8
37.5°	2050.9	2037.9	1958.1	1609.3	1497.4	1291.8	1353.4	1398.5	1516.5	1874.8	1869.6
40°	2116.0	2144.6	2150.7	1914.7	1663.1	1492.2	1470.5	1495.7	1609.3	2045.7	1979.8
42.5°	2336.4	2346.8	2378.9	2109.9	1911.3	1710.8	1650.1	1639.7	1718.7	2244.4	2125.5
45°	2692.1	2697.3	2673.8	2334.6	2113.4	1927.7	1860.1	1820.2	1889.6	2441.3	2310.3
47.5°	3099.8	3112.0	2999.2	2588.8	2297.3	2136.8	2100.4	2038.8	2083.0	2619.2	2540.2
50°	3424.3	3420.8	3219.5	2794.4	2483.0	2351.1	2339.8	2282.6	2287.8	2835.2	2788.4
52.5°	3508.4	3503.2	3331.5	2946.3	2652.2	2574.1	2625.3	2536.8	2490.8	3059.0	3046.0
55°	3381.8	3391.3	3310.6	3009.6	2759.7	2770.1	2902.9	2826.5	2764.1	3270.7	3291.6
57.5°	3198.7	3187.4	3199.6	3033.9	2843.9	2961.9	3233.4	3138.0	3078.1	3510.2	3533.6
60°	2859.5	2843.9	3000.9	3007.9	2922.0	3178.8	3584.8	3492.0	3407.8	3762.6	3737.5
62.5°	2343.3	2323.3	2607.0	2848.2	3011.3	3433.0	3931.8	3831.2	3749.6	4030.7	3983.0
65°	1559.9	1654.5	1986.7	2499.5	2978.4	3799.1	4390.8	4239.8	4091.5	4305.7	4297.1
67.5°	904.9	972.5	1216.3	1777.6	2706.8	4112.3	5118.7	4832.4	4576.4	4617.2	4597.2
70°	561.3	582.1	688.0	1025.5	1907.8	4009.0	5925.5	5740.7	5198.5	4964.2	4644.1
72.5°	435.5	449.4	510.1	669.8	1159.9	3100.7	6309.0	6568.4	5826.6	5055.3	4413.3
74°	356.6	365.2	428.6	599.5	930.9	2364.1	6036.5	6658.6	6019.2	5011.1	4147.8
75°	282.0	290.6	361.8	575.2	884.9	1886.1	5633.1	6491.1	6025.3	4942.5	3827.7
77.5°	172.6	178.7	195.2	397.3	804.2	1077.5	4156.5	5343.4	5339.9	4104.5	2745.0
80°	137.1	138.8	145.8	209.1	655.0	976.9	2632.2	3688.0	3661.1	2463.9	1406.3
82.5°	94.6	101.5	115.4	135.3	348.8	956.9	1659.7	2291.2	1976.3	937.8	588.2
85°	63.3	68.5	87.6	100.6	186.5	1018.5	1191.2	1289.2	972.5	464.1	387.8
87.5°	26.0	26.9	39.9	48.6	75.5	488.4	801.6	638.5	447.7	294.1	315.8
90°	13.9	13.9	10.4	11.3	27.8	105.0	262.0	254.2	210.8	242.1	296.7
92.5°	15.6	15.6	10.4	11.3	26.9	82.4	283.7	289.8	242.1	257.7	317.5
95°	17.4	17.4	10.4	10.4	26.0	56.4	272.4	306.3	249.0	270.7	320.1
97.5°	19.1	20.0	9.5	9.5	20.8	42.5	170.9	209.1	162.2	140.5	153.6
100°	20.0	20.0	8.7	8.7	13.9	30.4	78.9	100.6	78.1	36.4	25.2
102.5°	20.0	20.8	8.7	7.8	9.5	19.1	25.2	36.4	28.6	21.7	23.4
105°	19.1	20.8	8.7	7.8	7.8	10.4	13.0	14.7	15.6	15.6	24.3
107.5°	14.7	16.5	6.9	7.8	6.9	6.9	5.2	6.1	7.8	13.9	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.4	10.4	5.2	6.9	6.1	6.9	4.3	5.2	6.9	10.4	20.0
112.5°	5.2	4.3	3.5	5.2	5.2	6.1	4.3	4.3	6.1	8.7	13.9
115°	3.5	4.3	2.6	3.5	4.3	4.3	3.5	4.3	5.2	8.7	14.7
117.5°	3.5	3.5	2.6	3.5	4.3	3.5	3.5	4.3	5.2	8.7	14.7
120°	4.3	3.5	2.6	3.5	3.5	2.6	3.5	4.3	4.3	8.7	14.7
122.5°	4.3	4.3	3.5	3.5	3.5	2.6	3.5	3.5	4.3	8.7	13.9
125°	5.2	4.3	3.5	3.5	3.5	2.6	3.5	3.5	4.3	7.8	13.0
127.5°	5.2	5.2	3.5	3.5	4.3	2.6	3.5	3.5	4.3	6.9	12.1
130°	5.2	5.2	4.3	3.5	4.3	3.5	3.5	3.5	4.3	6.1	10.4
132.5°	5.2	5.2	4.3	4.3	4.3	3.5	3.5	3.5	3.5	5.2	8.7
135°	6.1	5.2	4.3	4.3	5.2	3.5	3.5	3.5	3.5	4.3	6.1
137.5°	6.1	6.1	5.2	5.2	6.1	4.3	3.5	4.3	4.3	4.3	5.2
140°	6.9	6.9	6.9	6.1	6.1	4.3	4.3	4.3	4.3	5.2	5.2
142.5°	8.7	7.8	7.8	6.9	6.1	4.3	4.3	4.3	5.2	5.2	5.2
145°	9.5	9.5	8.7	7.8	6.1	4.3	4.3	5.2	5.2	6.1	6.1
147.5°	9.5	9.5	8.7	6.9	5.2	3.5	4.3	5.2	5.2	6.1	6.9
150°	9.5	8.7	7.8	6.1	4.3	2.6	3.5	4.3	5.2	6.1	6.9
152.5°	6.9	6.9	6.1	4.3	3.5	1.7	2.6	3.5	4.3	5.2	6.1
155°	4.3	4.3	3.5	2.6	2.6	1.7	2.6	3.5	3.5	4.3	5.2
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	3.5	3.5
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	5.2	4.3	4.3	2.6	3.5	3.5	4.3	5.2	6.1
5°	5.2	6.1	5.2	4.3	4.3	3.5	4.3	4.3	4.3	6.1	6.1
7.5°	6.1	6.1	5.2	5.2	4.3	3.5	6.1	187.4	215.2	222.1	223.8
10°	7.8	7.8	6.9	6.1	5.2	202.1	223.0	223.0	221.2	223.0	223.0
12.5°	172.6	185.7	29.5	14.7	166.6	210.0	204.7	201.3	197.8	194.3	192.6
15°	419.9	406.9	373.1	280.2	258.5	192.6	177.0	245.5	262.0	266.3	265.5
17.5°	443.3	422.5	371.3	389.5	341.8	246.4	222.1	220.4	210.8	210.8	211.7
20°	833.7	786.0	506.7	380.0	296.7	298.4	190.0	169.2	177.0	188.3	195.2
22.5°	856.3	793.8	592.5	494.5	267.2	241.2	185.7	164.0	221.2	243.8	245.5
25°	913.5	813.8	600.4	416.4	301.9	197.8	184.8	170.9	203.0	223.8	222.1
27.5°	1237.2	1097.5	762.6	383.5	238.6	186.5	174.4	164.0	202.1	236.0	235.1
30°	1235.4	1081.9	704.5	353.1	196.9	173.5	158.8	178.7	188.3	201.3	202.1
32.5°	1604.1	1375.1	770.4	293.2	174.4	150.1	157.0	163.1	170.9	203.9	210.8
35°	1611.9	1344.7	668.9	268.9	160.5	143.1	147.5	161.4	177.9	198.7	200.4
37.5°	1643.2	1329.1	555.2	222.1	164.8	144.9	153.6	169.2	164.8	193.5	196.9
40°	1700.4	1333.5	466.8	198.7	162.2	144.9	160.5	163.1	164.0	178.7	180.5
42.5°	1788.9	1356.9	392.1	188.3	159.6	157.0	155.3	156.2	150.1	179.6	183.1
45°	1914.7	1405.5	334.9	184.8	159.6	183.1	162.2	156.2	143.1	206.5	221.2
47.5°	2100.4	1500.9	301.0	185.7	160.5	175.2	160.5	151.8	149.2	241.2	251.6
50°	2310.3	1610.2	278.5	189.1	160.5	172.6	157.9	156.2	165.7	244.7	247.3
52.5°	2535.9	1756.0	270.7	192.6	172.6	175.2	179.6	178.7	159.6	196.1	196.1
55°	2764.9	1906.9	273.3	196.9	182.2	179.6	191.7	169.2	137.1	145.8	144.0
57.5°	2981.0	2083.0	291.5	194.3	176.1	177.9	193.5	158.8	137.1	145.8	149.2
60°	3215.2	2273.9	341.8	187.4	173.5	172.6	190.9	167.4	137.1	167.4	168.3
62.5°	3500.6	2536.8	451.1	194.3	187.4	177.9	191.7	184.8	157.0	160.5	164.0
65°	3838.1	2808.3	555.2	221.2	197.8	178.7	189.1	194.3	177.9	171.8	170.9
67.5°	4085.4	2875.1	559.6	256.8	211.7	188.3	190.9	211.7	194.3	197.8	196.1
70°	4022.9	2692.9	485.0	271.5	220.4	196.1	196.1	219.5	204.7	235.1	236.0
72.5°	3717.5	2338.1	409.5	251.6	209.1	198.7	217.8	227.3	217.8	282.8	279.4
74°	3367.0	2070.9	376.5	229.0	204.7	197.8	223.8	227.3	224.7	301.9	299.3
75°	3098.1	1860.9	358.3	216.0	202.1	195.2	225.6	228.2	227.3	304.5	303.6
77.5°	2141.2	1257.1	313.2	192.6	197.8	195.2	224.7	233.4	239.4	302.8	300.2
80°	1098.3	688.0	261.1	182.2	196.1	200.4	222.1	225.6	235.1	286.3	283.7
82.5°	550.9	396.5	191.7	167.4	198.7	217.8	223.0	218.6	221.2	263.7	259.4
85°	354.8	274.2	127.5	140.5	202.1	236.0	222.1	203.9	207.3	229.9	228.2
87.5°	285.4	203.0	78.1	109.3	215.2	216.0	203.0	180.5	176.1	180.5	177.9
90°	263.7	188.3	65.9	103.2	208.2	180.5	165.7	147.5	131.9	132.7	127.5
92.5°	283.7	196.9	70.3	102.4	165.7	126.7	121.5	111.9	92.8	82.4	77.2
95°	279.4	189.1	71.1	86.8	121.5	72.0	85.9	78.9	57.3	43.4	40.8
97.5°	134.5	95.4	63.3	67.7	71.1	54.7	72.9	66.8	41.6	26.9	25.2
100°	25.2	35.6	56.4	64.2	56.4	42.5	57.3	51.2	22.6	13.9	13.0
102.5°	24.3	20.0	42.5	58.1	35.6	24.3	31.2	28.6	14.7	10.4	10.4
105°	25.2	20.0	20.0	39.9	21.7	11.3	9.5	13.9	10.4	10.4	11.3
107.5°	26.0	20.0	12.1	13.0	10.4	8.7	6.9	6.9	7.8	11.3	12.1



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CATALOG NUMBER: LXF.LXT-PA1-100-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.8	17.4	11.3	10.4	9.5	8.7	6.9	6.1	7.8	12.1	13.0
112.5°	14.7	13.9	10.4	8.7	7.8	7.8	6.1	5.2	7.8	13.0	13.9
115°	14.7	13.9	8.7	7.8	6.1	6.9	6.1	5.2	7.8	14.7	15.6
117.5°	15.6	13.0	8.7	6.9	5.2	5.2	5.2	5.2	8.7	14.7	15.6
120°	15.6	13.0	8.7	6.1	5.2	4.3	5.2	5.2	8.7	14.7	16.5
122.5°	14.7	13.0	7.8	6.1	5.2	4.3	4.3	4.3	7.8	14.7	15.6
125°	13.9	12.1	7.8	6.1	5.2	3.5	4.3	4.3	7.8	13.9	15.6
127.5°	13.0	11.3	7.8	6.1	4.3	3.5	4.3	4.3	7.8	13.0	14.7
130°	11.3	10.4	6.9	5.2	4.3	3.5	4.3	4.3	7.8	12.1	13.9
132.5°	9.5	8.7	6.1	5.2	4.3	3.5	4.3	3.5	6.1	11.3	12.1
135°	6.9	6.9	6.1	4.3	4.3	2.6	3.5	3.5	5.2	8.7	9.5
137.5°	6.1	6.1	5.2	4.3	4.3	2.6	3.5	2.6	4.3	6.9	7.8
140°	6.1	6.1	5.2	4.3	3.5	2.6	2.6	2.6	3.5	6.1	6.1
142.5°	6.1	6.1	5.2	4.3	3.5	2.6	2.6	2.6	3.5	5.2	6.1
145°	6.1	6.1	6.1	5.2	3.5	2.6	2.6	2.6	3.5	5.2	5.2
147.5°	6.9	6.9	6.1	4.3	3.5	1.7	1.7	2.6	3.5	5.2	5.2
150°	6.9	6.9	6.1	4.3	3.5	1.7	0.9	1.7	2.6	4.3	5.2
152.5°	6.1	6.1	5.2	4.3	2.6	1.7	0.9	1.7	2.6	4.3	4.3
155°	5.2	5.2	4.3	3.5	2.6	0.9	0.0	0.9	1.7	3.5	3.5
157.5°	3.5	4.3	3.5	2.6	1.7	0.9	0.0	0.9	0.9	2.6	2.6
160°	3.5	3.5	3.5	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)