

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: P413816

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8947 lumens
Efficiency: N/A
Efficacy: 93.2 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

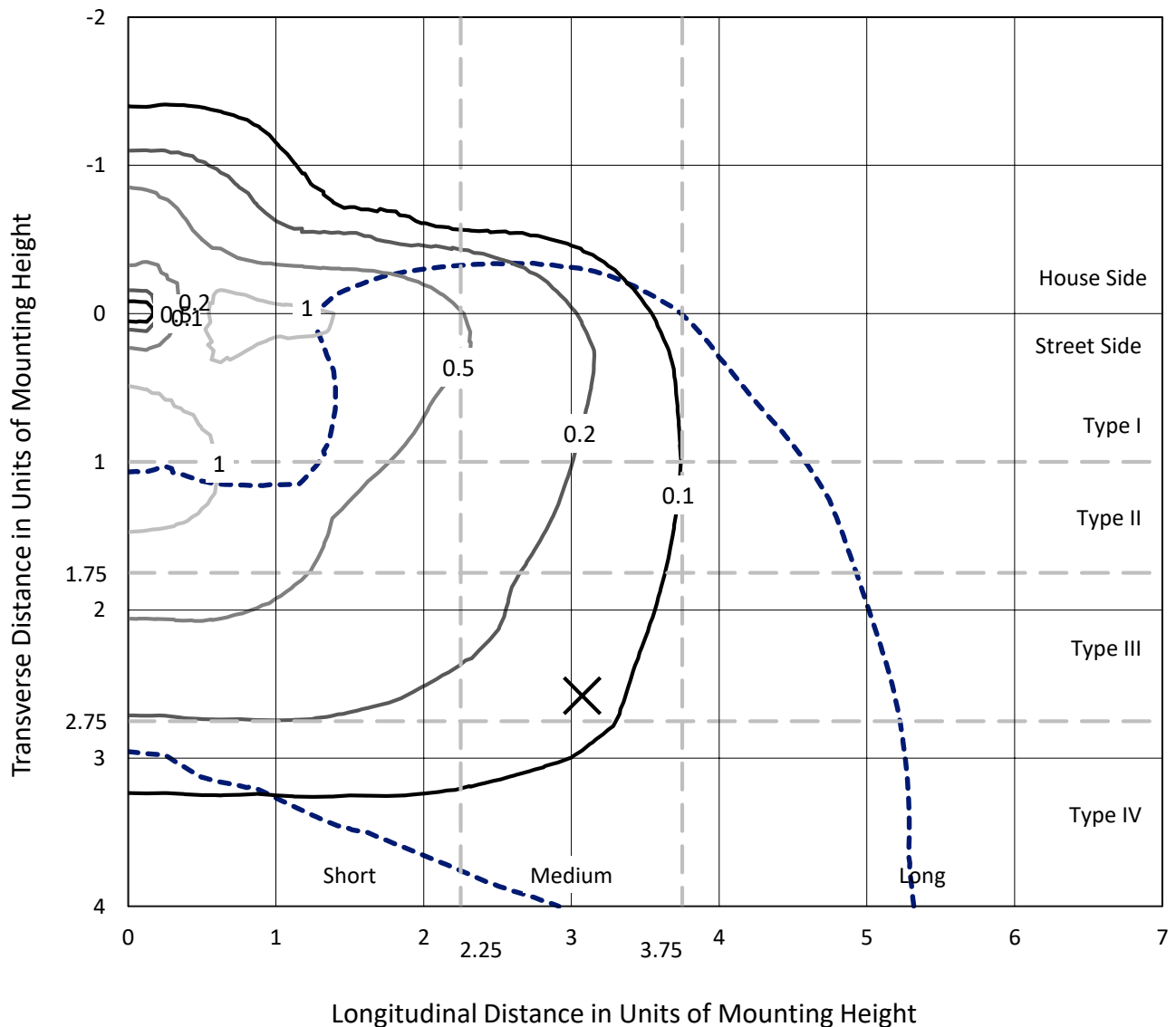
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

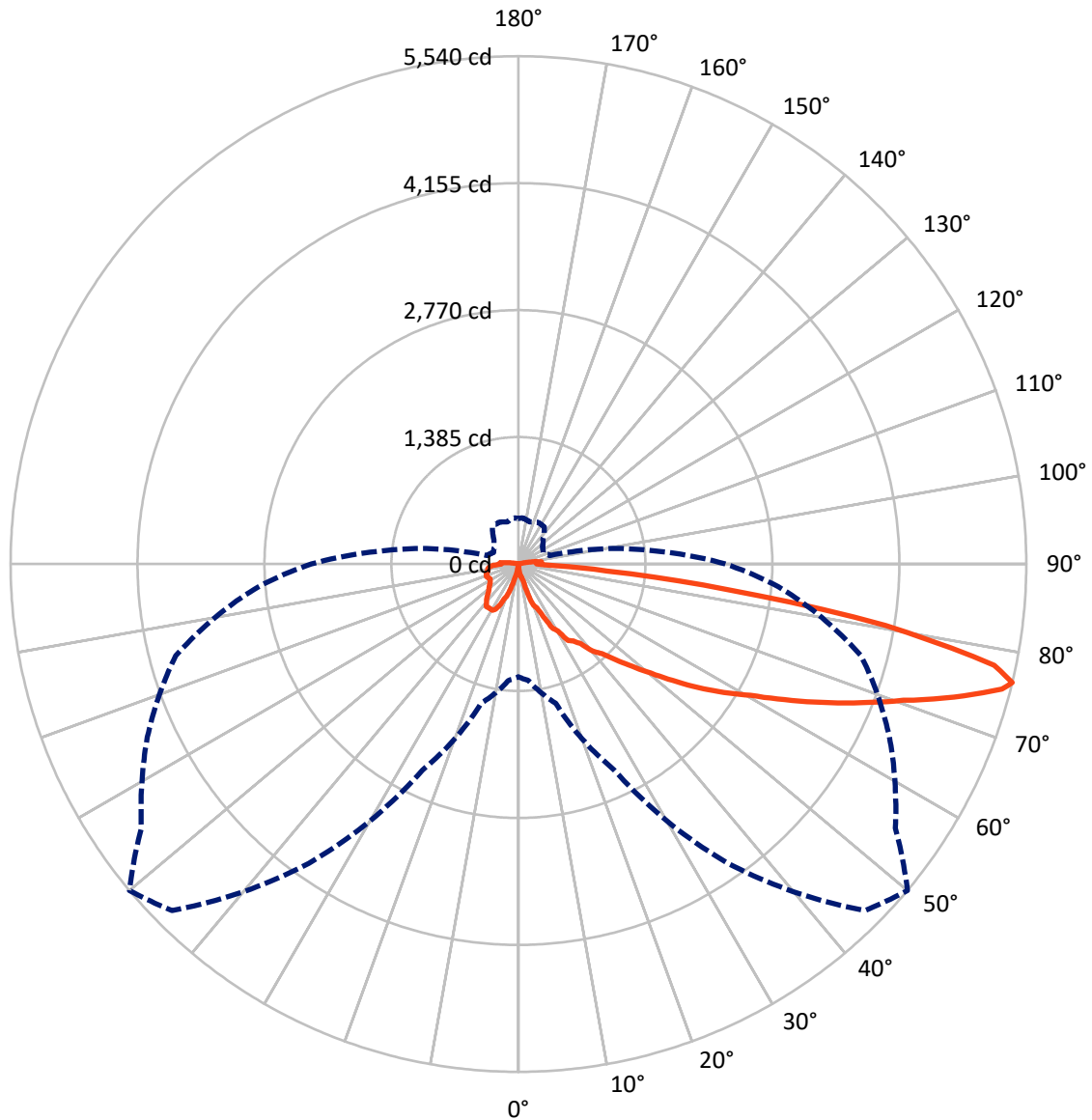
× Max cd
 - - - 1/2 Max cd



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 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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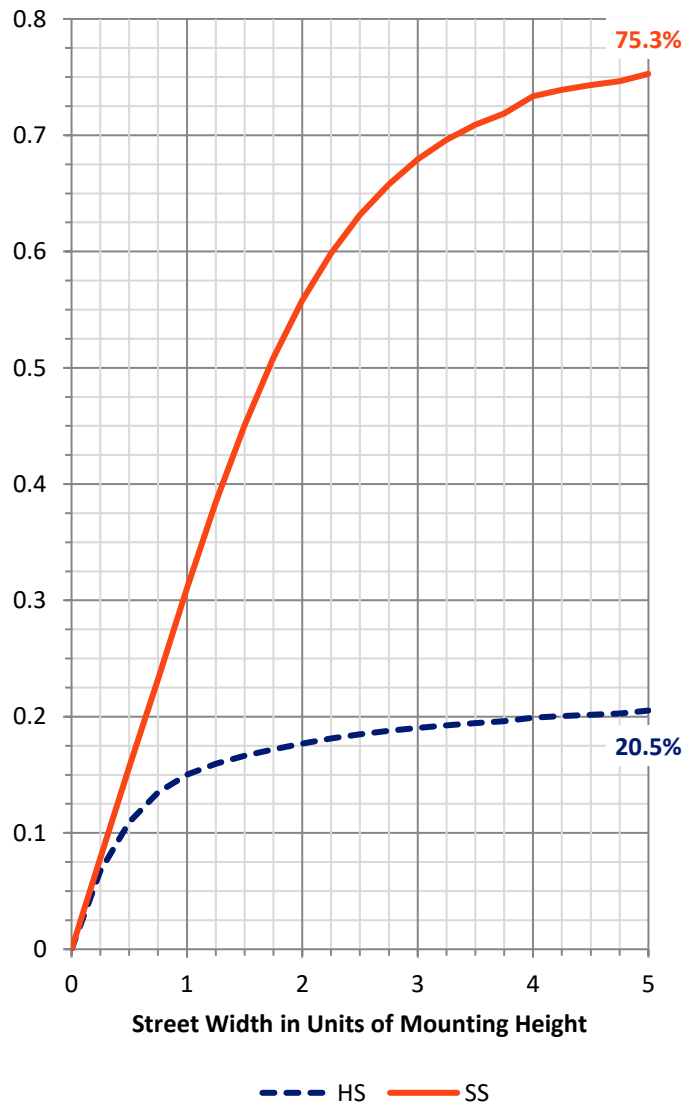
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1952.7	110.1	2062.8
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	6795.9	88.4	6884.3
	% Fixture	76.0	1.0	76.9
Total	Lumens	8748.6	198.4	8947.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	74.7	0.8
20°-30°	291.9	3.3
30°-40°	628.2	7.0
40°-50°	1023.5	11.4
50°-60°	1647.8	18.4
60°-70°	2400.1	26.8
70°-80°	2141.2	23.9
80°-90°	536.3	6.0
90°-100°	157.1	1.8
100°-110°	23.3	0.3
110°-120°	6.7	0.1
120°-130°	4.6	0.1
130°-140°	3.1	0.0
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8748.6	97.8
0°-180°	8947.0	100.0

Coefficient of Utilization



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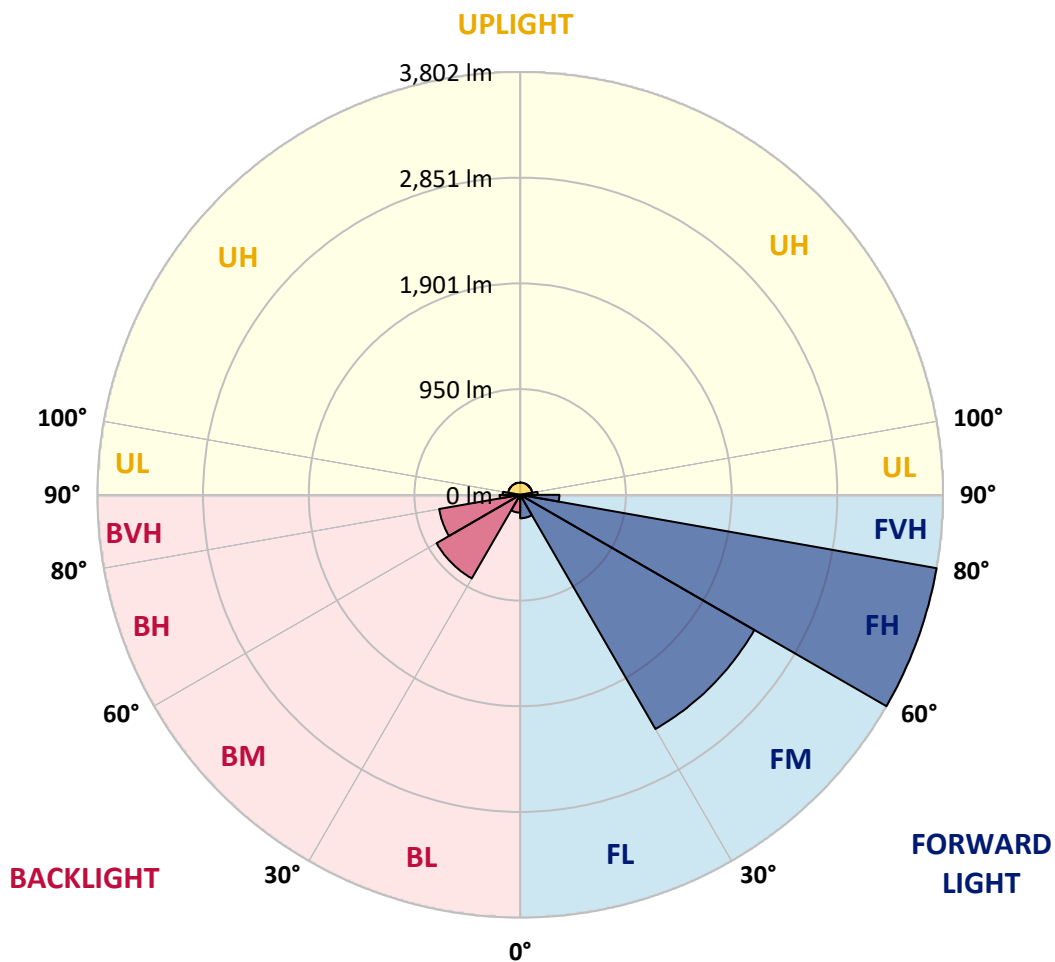
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.0	2.4			
FM	(30°-60°)	2431.2	27.2			
FH	(60°-80°)	3801.6	42.5			G2/5000
FVH	(80°-90°)	352.2	3.9			G3/500
BL	(0°-30°)	160.5	1.8	B1/500		
BM	(30°-60°)	868.3	9.7	B1/1000		
BH	(60°-80°)	739.7	8.3	B2/1000		G2/1000
BVH	(80°-90°)	184.2	2.1			G2/225
UL	(90°-100°)	157.1	1.8		U3/500	
UH	(100°-180°)	110.1	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	12.9	9.9	8.9	8.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0
5°	125.3	121.3	112.4	104.4	35.8	29.8	24.9	18.9	7.0	7.0	6.0
7.5°	150.1	147.2	141.2	137.2	131.3	122.3	112.4	52.7	20.9	8.0	7.0
10°	196.9	182.0	170.0	160.1	153.1	138.2	134.2	126.3	34.8	14.9	10.9
12.5°	352.0	344.0	332.1	225.7	185.9	159.1	153.1	146.2	113.4	53.7	96.5
15°	387.8	379.8	367.9	353.0	331.1	195.9	184.0	228.7	292.3	219.7	229.7
17.5°	455.4	451.4	419.6	383.8	361.9	384.8	385.8	350.0	332.1	290.3	264.5
20°	631.4	627.4	609.5	518.0	409.7	486.2	484.2	466.3	372.9	428.6	461.4
22.5°	657.3	652.3	636.4	611.5	648.3	533.0	520.0	520.0	549.9	582.7	542.9
25°	865.1	860.1	738.8	643.3	695.0	634.4	636.4	704.0	608.5	639.4	610.5
27.5°	903.8	896.9	886.9	823.3	731.8	803.4	792.5	755.7	791.5	883.0	852.1
30°	1055.0	978.4	945.6	908.8	864.1	851.1	846.2	912.8	938.6	932.7	941.6
32.5°	1224.0	1221.0	1189.2	969.5	977.4	914.8	995.3	1025.2	985.4	1132.5	1227.0
35°	1470.6	1369.2	1307.5	1161.4	1017.2	1058.0	1030.1	1061.0	1197.2	1211.1	1301.6
37.5°	1848.5	1842.5	1701.3	1281.7	1173.3	1082.8	1102.7	1188.2	1277.7	1297.6	1419.9
40°	2160.7	2131.8	2042.4	1597.9	1275.7	1171.3	1250.9	1232.0	1326.4	1396.0	1513.4
42.5°	2392.4	2419.2	2368.5	1849.5	1481.6	1311.5	1335.4	1310.5	1398.0	1528.3	1647.6
45°	2614.1	2603.2	2638.0	2105.0	1679.4	1491.5	1489.5	1428.9	1529.3	1675.4	1832.6
47.5°	2795.1	2779.2	2815.0	2382.4	1907.1	1654.6	1668.5	1589.9	1686.4	1859.4	2107.0
50°	2996.9	2966.1	2990.0	2615.1	2204.4	1890.2	1871.3	1810.7	1865.4	2101.0	2442.1
52.5°	3239.5	3217.7	3174.9	2846.8	2510.7	2132.8	2109.0	2050.3	2110.0	2401.3	2813.0
55°	3457.3	3432.4	3397.6	3166.0	2765.2	2379.4	2380.4	2321.8	2438.1	2729.4	3243.5
57.5°	3684.0	3672.1	3690.0	3522.9	3129.2	2637.0	2642.9	2607.1	2815.9	3066.5	3699.9
60°	3871.9	3854.0	3953.5	3887.8	3452.3	2931.3	2907.4	2946.2	3201.8	3418.5	4162.3
62.5°	3943.5	3955.5	4143.4	4223.9	3765.5	3248.5	3257.4	3310.1	3558.7	3840.1	4607.7
65°	3607.4	3649.2	4174.2	4282.6	4114.5	3600.5	3643.2	3634.3	3924.6	4150.3	4983.6
67.5°	3242.5	3290.2	3861.0	4297.5	4385.0	4014.1	4036.0	3947.5	4239.8	4344.2	5264.0
70°	2984.0	3020.8	3490.1	4213.0	4551.1	4445.7	4455.6	4291.5	4468.5	4571.9	5254.1
72.5°	2536.5	2575.3	3008.8	3893.8	4654.5	4968.7	4968.7	4606.7	4653.5	4567.0	4639.6
75°	1714.2	1729.1	2084.1	3022.8	4387.0	5395.2	5447.0	4950.8	4589.8	4148.4	3460.3
76°	1231.0	1276.7	1574.0	2481.9	3984.3	5346.5	5540.4	5020.4	4465.5	3870.9	2847.8
77.5°	652.3	694.0	928.7	1588.9	3231.6	4971.7	5306.8	4806.6	4071.8	3323.1	2106.0
80°	255.5	252.6	319.2	565.8	1636.7	3781.4	4060.9	3542.8	2754.3	1925.0	1000.3
82.5°	140.2	154.1	202.8	299.3	710.0	2086.1	2293.9	1869.3	1406.0	887.9	584.7
85°	89.5	91.5	119.3	184.9	438.5	879.0	965.5	800.4	658.2	544.9	415.6
87.5°	53.7	55.7	62.6	85.5	216.8	258.5	282.4	332.1	377.8	374.9	359.0
90°	36.8	36.8	30.8	33.8	101.4	206.8	198.9	211.8	192.9	244.6	346.0
92.5°	35.8	35.8	29.8	30.8	86.5	229.7	230.7	229.7	203.8	249.6	363.9
95°	31.8	32.8	25.9	26.8	63.6	214.8	252.6	244.6	205.8	251.6	362.9
97.5°	26.8	27.8	19.9	22.9	42.8	145.2	187.9	191.9	128.3	127.3	164.1
100°	19.9	20.9	13.9	17.9	25.9	66.6	100.4	94.5	63.6	34.8	22.9
102.5°	18.9	19.9	11.9	13.9	15.9	22.9	36.8	27.8	23.9	19.9	19.9
105°	20.9	20.9	10.9	9.9	9.9	10.9	8.9	12.9	13.9	14.9	20.9
107.5°	17.9	18.9	8.0	8.0	7.0	7.0	6.0	6.0	8.0	12.9	22.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	13.9	13.9	7.0	7.0	5.0	6.0	6.0	5.0	7.0	9.9	17.9
112.5°	8.0	8.9	4.0	6.0	4.0	5.0	5.0	4.0	6.0	7.0	9.9
115°	8.0	8.0	4.0	3.0	3.0	3.0	4.0	4.0	5.0	7.0	10.9
117.5°	8.0	8.0	4.0	3.0	2.0	3.0	3.0	3.0	5.0	7.0	10.9
120°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	3.0	5.0	7.0	10.9
122.5°	8.9	8.0	4.0	2.0	2.0	2.0	2.0	3.0	5.0	7.0	9.9
125°	8.9	8.0	4.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	8.9
127.5°	8.9	8.0	4.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	8.0
130°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	8.0
132.5°	8.0	7.0	4.0	2.0	2.0	2.0	2.0	3.0	4.0	5.0	7.0
135°	7.0	6.0	4.0	2.0	3.0	2.0	3.0	3.0	4.0	5.0	6.0
137.5°	6.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	5.0
140°	7.0	6.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	5.0	5.0
142.5°	8.0	7.0	5.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0	5.0
145°	8.0	8.0	6.0	5.0	3.0	3.0	3.0	4.0	5.0	5.0	6.0
147.5°	8.9	8.0	6.0	5.0	3.0	2.0	3.0	3.0	5.0	6.0	6.0
150°	8.0	8.0	5.0	4.0	2.0	1.0	2.0	3.0	5.0	6.0	6.0
152.5°	6.0	6.0	4.0	2.0	1.0	1.0	2.0	3.0	4.0	5.0	6.0
155°	4.0	4.0	2.0	1.0	0.0	1.0	1.0	2.0	3.0	4.0	5.0
157.5°	2.0	2.0	1.0	0.0	0.0	1.0	1.0	2.0	3.0	4.0	4.0
160°	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	6.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	5.0
5°	6.0	6.0	5.0	5.0	5.0	4.0	4.0	6.0	7.0	8.0	8.0
7.5°	6.0	6.0	6.0	5.0	6.0	8.0	31.8	91.5	100.4	106.4	108.4
10°	10.9	9.9	8.9	8.0	14.9	101.4	125.3	136.2	141.2	146.2	146.2
12.5°	104.4	104.4	42.8	23.9	102.4	136.2	143.2	151.1	158.1	165.1	166.1
15°	226.7	223.7	215.8	197.9	171.0	154.1	161.1	238.6	280.4	299.3	296.3
17.5°	259.5	255.5	250.6	285.4	297.3	237.6	277.4	308.2	317.2	327.1	326.1
20°	481.3	476.3	370.9	332.1	325.1	398.7	317.2	324.2	340.1	433.5	436.5
22.5°	538.9	533.0	496.2	506.1	379.8	432.5	418.6	438.5	489.2	504.1	506.1
25°	631.4	607.5	562.8	529.0	537.9	451.4	521.0	488.2	507.1	525.0	528.0
27.5°	874.0	860.1	780.6	592.6	548.9	564.8	542.9	531.0	634.4	672.2	675.2
30°	941.6	927.7	828.3	686.1	578.7	578.7	546.9	662.2	667.2	687.1	692.1
32.5°	1279.7	1251.9	1053.0	697.0	600.6	552.8	619.5	652.3	731.8	791.5	801.4
35°	1358.3	1334.4	1086.8	796.5	580.7	575.7	584.7	687.1	745.7	781.5	789.5
37.5°	1439.8	1412.9	1082.8	758.7	615.5	548.9	568.8	642.3	726.9	819.3	831.3
40°	1551.2	1518.3	1087.8	710.0	576.7	519.0	534.0	616.5	674.2	731.8	741.8
42.5°	1700.3	1634.7	1096.7	666.2	532.0	506.1	509.1	556.8	583.7	607.5	607.5
45°	1901.2	1794.8	1099.7	620.5	487.2	476.3	480.3	502.1	512.1	497.2	490.2
47.5°	2170.6	1992.6	1136.5	579.7	449.4	443.5	446.5	453.4	448.4	409.7	402.7
50°	2484.8	2225.3	1156.4	543.9	421.6	420.6	415.6	415.6	397.7	354.0	351.0
52.5°	2831.9	2502.7	1173.3	500.1	401.7	406.7	406.7	385.8	359.0	324.2	321.2
55°	3272.3	2822.9	1198.2	462.4	384.8	383.8	394.7	368.9	341.1	311.2	311.2
57.5°	3709.9	3162.0	1228.0	429.6	365.9	367.9	383.8	362.9	348.0	336.1	335.1
60°	4147.4	3512.0	1180.3	399.7	359.0	355.0	380.8	385.8	367.9	374.9	381.8
62.5°	4558.0	3735.7	988.4	373.9	346.0	352.0	406.7	437.5	431.5	424.6	426.6
65°	4751.9	3781.4	801.4	351.0	337.1	372.9	448.4	495.2	475.3	452.4	450.4
67.5°	4784.7	3663.1	589.6	337.1	332.1	409.7	481.3	508.1	478.3	469.3	461.4
70°	4554.0	3362.8	471.3	322.2	336.1	415.6	502.1	505.1	483.2	493.2	483.2
72.5°	3872.9	2801.0	412.6	308.2	337.1	400.7	502.1	506.1	481.3	510.1	505.1
75°	2773.2	1963.8	366.9	296.3	326.1	383.8	495.2	505.1	475.3	507.1	499.2
76°	2259.1	1558.1	354.0	299.3	321.2	377.8	493.2	502.1	476.3	505.1	497.2
77.5°	1492.5	1018.2	332.1	297.3	312.2	374.9	488.2	498.2	475.3	499.2	491.2
80°	798.4	576.7	299.3	277.4	301.3	376.9	484.2	488.2	456.4	483.2	473.3
82.5°	526.0	429.6	258.5	251.6	290.3	379.8	482.3	476.3	440.5	483.2	456.4
85°	412.6	355.0	193.9	201.8	264.5	366.9	476.3	459.4	426.6	438.5	422.6
87.5°	350.0	292.3	116.3	144.2	231.7	312.2	422.6	379.8	360.9	372.9	365.9
90°	329.1	258.5	65.6	101.4	174.0	207.8	266.5	247.6	239.6	253.6	250.6
92.5°	332.1	252.6	64.6	96.5	185.9	223.7	275.4	253.6	229.7	229.7	226.7
95°	317.2	235.7	63.6	76.6	168.0	217.8	258.5	227.7	184.9	176.0	173.0
97.5°	138.2	114.3	59.7	58.7	96.5	150.1	187.9	163.1	122.3	95.5	95.5
100°	22.9	36.8	51.7	56.7	56.7	79.5	106.4	100.4	58.7	30.8	31.8
102.5°	23.9	20.9	35.8	46.7	36.8	32.8	48.7	60.7	38.8	11.9	12.9
105°	24.9	21.9	17.9	32.8	20.9	10.9	14.9	27.8	17.9	11.9	11.9
107.5°	26.8	22.9	10.9	11.9	8.9	8.9	8.0	7.0	8.9	11.9	12.9



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CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.9	18.9	9.9	8.9	8.0	8.9	6.0	6.0	7.0	11.9	12.9
112.5°	11.9	11.9	8.9	7.0	7.0	8.0	5.0	5.0	7.0	12.9	12.9
115°	11.9	11.9	8.0	6.0	5.0	6.0	5.0	4.0	7.0	12.9	13.9
117.5°	11.9	11.9	8.0	6.0	5.0	4.0	4.0	4.0	7.0	12.9	13.9
120°	11.9	10.9	7.0	5.0	5.0	3.0	3.0	3.0	6.0	12.9	13.9
122.5°	10.9	10.9	7.0	5.0	4.0	3.0	3.0	3.0	6.0	11.9	12.9
125°	9.9	9.9	7.0	5.0	4.0	3.0	2.0	3.0	6.0	10.9	11.9
127.5°	8.9	8.9	6.0	5.0	4.0	3.0	2.0	3.0	6.0	10.9	11.9
130°	8.0	8.0	6.0	4.0	4.0	2.0	2.0	2.0	6.0	9.9	10.9
132.5°	7.0	7.0	5.0	4.0	3.0	2.0	1.0	2.0	5.0	8.9	8.9
135°	6.0	6.0	5.0	4.0	3.0	2.0	1.0	2.0	4.0	7.0	8.0
137.5°	5.0	5.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	6.0	6.0
140°	5.0	5.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	5.0	6.0
142.5°	5.0	5.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	5.0	6.0
145°	6.0	5.0	5.0	4.0	3.0	2.0	1.0	2.0	4.0	6.0	6.0
147.5°	6.0	6.0	5.0	4.0	3.0	2.0	1.0	2.0	4.0	6.0	6.0
150°	6.0	6.0	5.0	4.0	3.0	1.0	0.0	1.0	3.0	5.0	6.0
152.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	2.0	4.0	4.0
155°	5.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0
157.5°	4.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0
160°	3.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
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)