

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: P413901

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-750-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9467 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

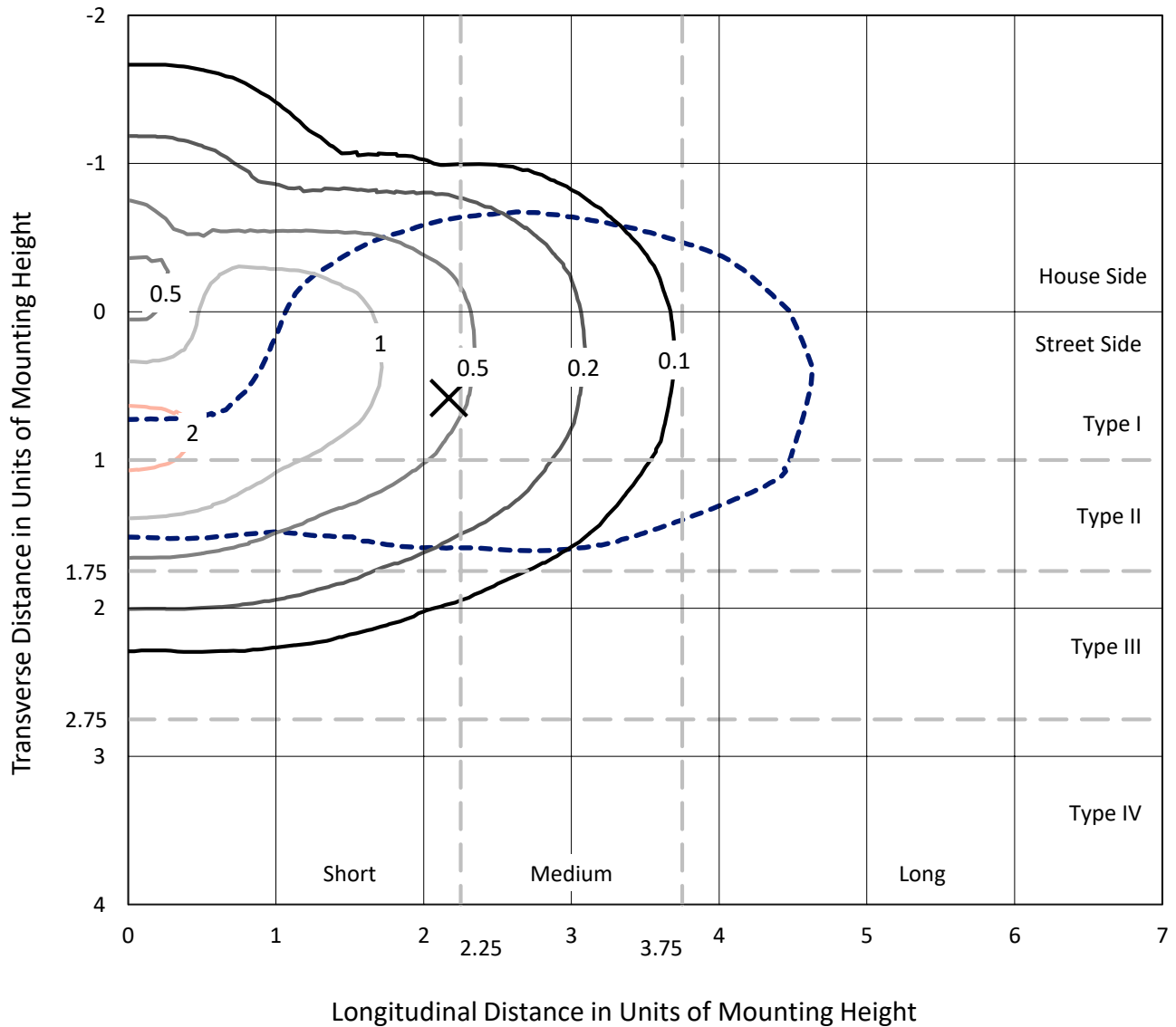
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

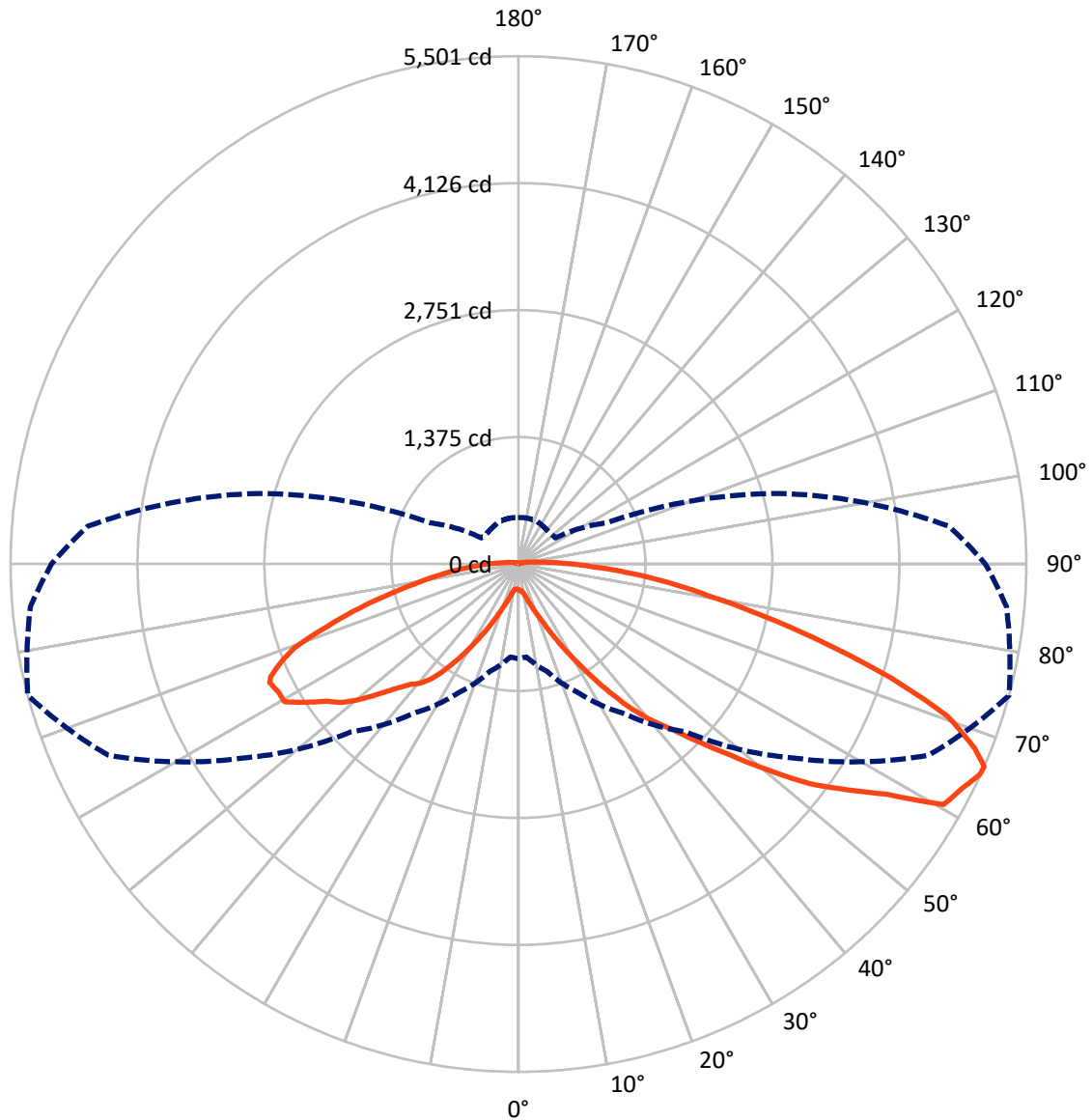
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2688.8	131.3	2820.1
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	6517.1	129.8	6646.9
	% Fixture	68.8	1.4	70.2
Total	Lumens	9205.9	261.1	9467.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.3
10°-20°	118.9	1.3
20°-30°	360.8	3.8
30°-40°	892.5	9.4
40°-50°	1611.6	17.0
50°-60°	2177.5	23.0
60°-70°	2185.9	23.1
70°-80°	1320.2	13.9
80°-90°	510.4	5.4
90°-100°	151.6	1.6
100°-110°	54.7	0.6
110°-120°	26.5	0.3
120°-130°	15.7	0.2
130°-140°	9.3	0.1
140°-150°	3.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9205.9	97.2
0°-180°	9467.0	100.0



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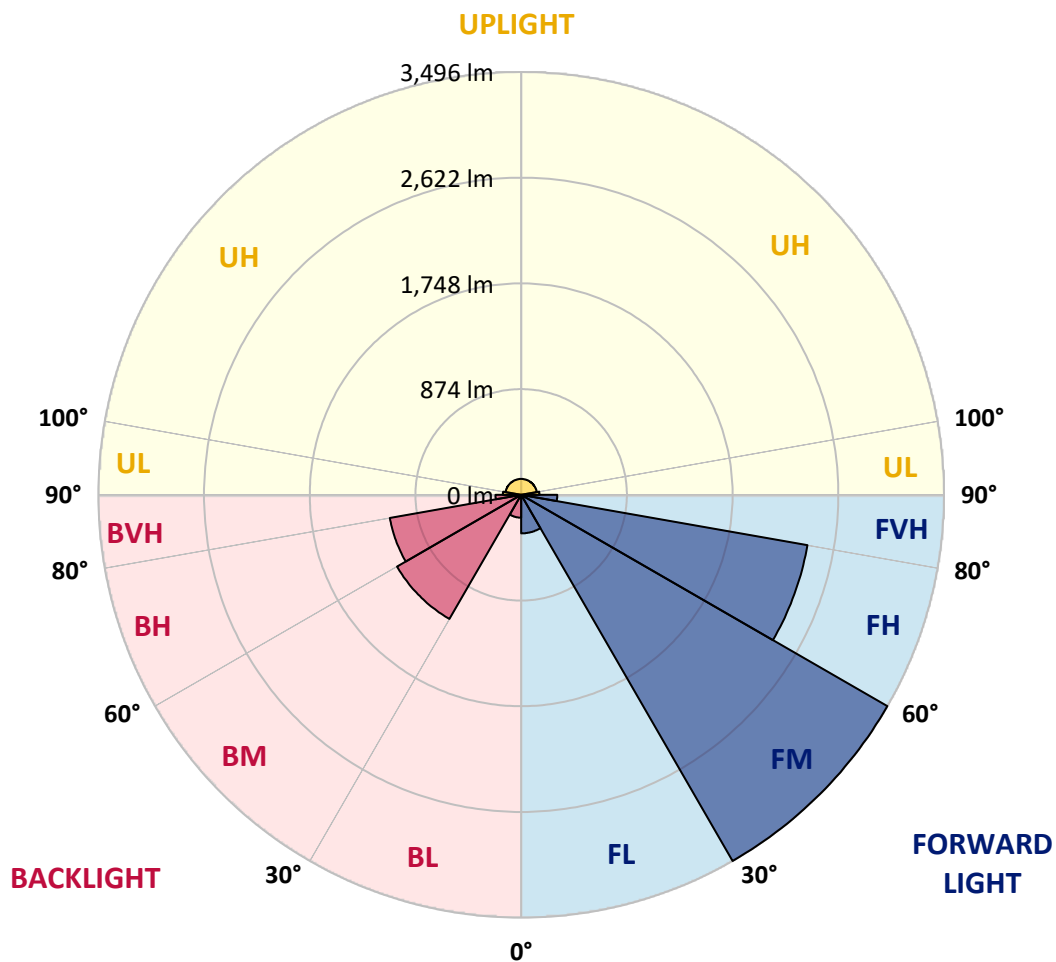
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.9	3.4			
FM (30°-60°)	3496.3	36.9			
FH (60°-80°)	2403.8	25.4			G2/5000
FVH (80°-90°)	298.1	3.1			G3/500
BL (0°-30°)	189.0	2.0	B1/500		
BM (30°-60°)	1185.2	12.5	B2/2500		
BH (60°-80°)	1102.3	11.6	B3/2500		G3/2500
BVH (80°-90°)	212.3	2.2			G2/225
UL (90°-100°)	151.6	1.6		U3/500	
UH (100°-180°)	131.3	1.4		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	307.9	305.7	303.5	301.3	299.1	297.0	292.6	287.1	282.8	282.8	278.4
5°	336.3	334.1	330.8	326.4	322.1	317.7	309.0	300.2	291.5	291.5	283.9
7.5°	371.2	370.1	365.7	360.3	350.5	340.6	329.7	316.6	304.6	303.5	293.7
10°	416.0	413.8	407.2	399.6	388.7	375.6	360.3	343.9	326.4	325.3	313.3
12.5°	478.2	473.8	462.9	450.9	430.2	417.0	399.6	384.3	371.2	367.9	351.5
15°	559.0	553.5	541.5	520.8	493.5	469.5	459.6	443.3	429.1	424.7	409.4
17.5°	662.7	657.2	636.5	603.7	575.4	551.3	529.5	513.1	501.1	500.0	478.2
20°	804.6	791.5	757.7	711.8	674.7	645.2	614.7	596.1	584.1	579.7	566.6
22.5°	979.3	976.0	928.0	867.9	806.8	753.3	719.5	698.7	690.0	691.1	683.4
25°	1202.0	1192.2	1146.3	1059.0	967.3	899.6	852.7	839.6	838.5	830.8	827.5
27.5°	1440.0	1426.9	1366.9	1282.8	1161.6	1069.9	1017.5	1003.3	1006.6	997.9	1004.4
30°	1731.5	1725.0	1637.6	1515.4	1384.3	1264.3	1209.7	1197.7	1205.3	1216.2	1209.7
32.5°	2091.8	2101.6	1982.6	1817.8	1634.4	1495.7	1435.7	1431.3	1442.2	1440.0	1436.7
35°	2530.7	2548.2	2383.3	2183.5	1931.3	1766.5	1691.1	1685.7	1707.5	1705.3	1707.5
37.5°	3000.1	3007.8	2873.5	2556.9	2263.2	2035.0	1972.8	1966.2	1987.0	1975.0	1963.0
40°	3370.2	3406.3	3249.1	2977.2	2594.0	2361.5	2286.1	2250.1	2231.5	2218.4	2131.1
42.5°	3720.7	3698.9	3587.5	3285.1	2933.5	2680.3	2579.8	2512.1	2452.1	2443.3	2347.3
45°	3950.0	3922.7	3816.8	3537.3	3207.6	2998.0	2905.2	2823.3	2755.6	2725.0	2609.3
47.5°	3963.1	3950.0	3924.9	3715.2	3427.0	3244.7	3214.1	3170.5	3096.2	3097.3	2948.8
50°	3763.3	3742.5	3815.7	3736.0	3536.2	3440.1	3555.8	3603.9	3508.9	3499.1	3345.1
52.5°	3409.5	3398.6	3531.8	3610.4	3539.5	3576.6	3851.7	4026.4	3952.1	3912.8	3714.1
55°	3051.5	3064.6	3180.3	3306.9	3423.7	3615.9	4113.7	4462.0	4315.7	4289.5	4041.7
57.5°	2563.4	2607.1	2779.6	2978.3	3161.7	3561.3	4251.3	4738.2	4701.1	4691.3	4479.5
60°	2028.5	2024.1	2279.6	2568.9	2870.2	3381.2	4258.9	5085.4	5291.7	5244.8	4945.6
62.5°	1575.4	1586.3	1769.7	2132.2	2536.1	3107.1	4154.1	5240.4	5378.0	5324.5	5063.6
65°	1140.9	1158.4	1382.2	1674.8	2131.1	2737.0	3856.1	5029.7	5494.8	5462.0	5314.7
66°	1025.2	1009.9	1206.4	1538.3	1971.7	2573.3	3668.3	4902.0	5501.3	5482.8	5307.0
67.5°	824.3	843.9	995.7	1285.0	1715.1	2312.3	3328.8	4697.8	5331.0	5305.9	5188.0
70°	610.3	628.9	732.6	964.0	1301.4	1844.0	2752.3	4058.0	4929.3	4947.8	4934.7
72.5°	452.0	471.6	542.6	709.6	962.9	1371.2	2181.3	3420.5	4215.3	4258.9	4228.4
75°	351.5	359.2	418.1	535.0	704.2	966.2	1613.6	2650.8	3431.4	3512.2	3540.6
77.5°	282.8	289.3	337.4	412.7	527.3	705.3	1131.1	1976.1	2716.3	2773.1	2826.6
80°	228.2	232.5	271.8	331.9	403.9	504.4	763.1	1435.7	2084.2	2116.9	2195.5
82.5°	183.4	186.7	215.1	266.4	323.2	383.2	542.6	1002.2	1636.5	1667.1	1766.5
85°	144.1	146.3	171.4	211.8	259.8	303.5	391.9	708.5	1179.1	1207.5	1327.6
87.5°	113.5	115.7	135.4	164.9	209.6	240.2	289.3	477.1	795.9	836.3	972.8
90°	89.5	90.6	104.8	127.7	162.7	195.4	227.1	333.0	530.6	553.5	629.9
92.5°	67.7	68.8	79.7	97.2	126.6	155.0	173.6	230.4	339.5	349.4	403.9
95°	50.2	51.3	60.0	71.0	95.0	121.2	134.3	161.6	214.0	227.1	241.3
97.5°	39.3	40.4	45.9	52.4	69.9	95.0	107.0	119.0	146.3	150.7	161.6
100°	33.8	33.8	37.1	41.5	52.4	74.2	84.1	93.9	110.3	110.3	116.8
102.5°	28.4	28.4	30.6	32.8	42.6	59.0	67.7	74.2	83.0	84.1	89.5
105°	25.1	25.1	26.2	28.4	36.0	48.0	55.7	59.0	64.4	64.4	66.6
107.5°	21.8	21.8	22.9	24.0	31.7	40.4	44.8	45.9	48.0	48.0	51.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	20.7	20.7	20.7	21.8	27.3	34.9	37.1	36.0	37.1	37.1	40.4
112.5°	19.7	18.6	18.6	19.7	25.1	30.6	30.6	29.5	29.5	29.5	32.8
115°	18.6	18.6	17.5	18.6	22.9	26.2	26.2	24.0	24.0	24.0	27.3
117.5°	18.6	18.6	17.5	17.5	20.7	24.0	22.9	20.7	19.7	20.7	24.0
120°	18.6	18.6	16.4	16.4	19.7	20.7	20.7	17.5	17.5	17.5	20.7
122.5°	18.6	18.6	16.4	16.4	18.6	19.7	18.6	15.3	15.3	15.3	18.6
125°	19.7	18.6	16.4	16.4	17.5	17.5	16.4	14.2	13.1	13.1	16.4
127.5°	19.7	19.7	17.5	16.4	16.4	16.4	15.3	13.1	12.0	12.0	15.3
130°	21.8	20.7	18.6	16.4	15.3	14.2	13.1	12.0	12.0	12.0	14.2
132.5°	21.8	21.8	18.6	15.3	14.2	13.1	12.0	9.8	10.9	10.9	13.1
135°	20.7	19.7	16.4	14.2	13.1	10.9	9.8	8.7	9.8	9.8	12.0
137.5°	18.6	17.5	15.3	12.0	10.9	8.7	7.6	6.6	7.6	7.6	9.8
140°	15.3	15.3	12.0	9.8	8.7	7.6	6.6	4.4	5.5	6.6	7.6
142.5°	13.1	12.0	9.8	7.6	6.6	5.5	4.4	3.3	4.4	4.4	5.5
145°	10.9	9.8	7.6	5.5	4.4	3.3	2.2	2.2	2.2	2.2	3.3
147.5°	8.7	7.6	5.5	3.3	2.2	2.2	1.1	1.1	2.2	2.2	2.2
150°	6.6	6.6	4.4	2.2	1.1	1.1	0.0	1.1	1.1	1.1	1.1
152.5°	5.5	5.5	3.3	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1
155°	3.3	3.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5	279.5
2.5°	277.3	275.1	272.9	270.8	268.6	267.5	264.2	262.0	262.0	262.0	260.9
5°	280.6	276.2	270.8	266.4	260.9	256.6	253.3	250.0	247.8	247.8	247.8
7.5°	288.2	283.9	274.0	265.3	257.7	251.1	246.7	243.5	242.4	241.3	241.3
10°	305.7	298.0	284.9	271.8	260.9	252.2	247.8	245.6	244.6	244.6	244.6
12.5°	345.0	334.1	314.4	292.6	274.0	260.9	256.6	256.6	263.1	266.4	266.4
15°	397.4	387.6	364.6	334.1	304.6	282.8	279.5	287.1	295.9	300.2	299.1
17.5°	469.5	456.4	425.8	385.4	346.1	324.3	314.4	322.1	333.0	338.4	338.4
20°	554.6	541.5	500.0	445.4	397.4	373.4	358.1	358.1	372.3	376.7	378.8
22.5°	671.4	651.8	592.8	517.5	455.3	418.1	399.6	396.3	412.7	420.3	418.1
25°	802.4	787.2	718.4	605.9	525.1	465.1	440.0	440.0	460.7	478.2	479.3
27.5°	985.9	947.6	851.6	714.0	592.8	508.8	481.5	486.9	508.8	526.2	526.2
30°	1178.0	1150.7	1009.9	828.6	658.3	549.2	509.8	518.6	538.2	557.9	557.9
32.5°	1410.5	1364.7	1191.1	942.2	718.4	575.4	525.1	537.1	560.1	579.7	579.7
35°	1637.6	1600.5	1373.4	1061.2	770.8	586.3	531.7	545.9	572.1	596.1	598.3
37.5°	1901.8	1821.0	1551.4	1168.2	809.0	588.5	529.5	554.6	589.5	616.8	617.9
40°	2060.1	1963.0	1671.5	1247.9	826.5	580.8	529.5	561.2	590.6	600.5	599.4
42.5°	2247.9	2125.6	1755.5	1257.7	804.6	565.5	528.4	553.5	566.6	566.6	565.5
45°	2500.1	2362.6	1888.7	1263.2	759.9	547.0	519.7	536.1	532.8	523.0	519.7
47.5°	2809.1	2642.0	2058.0	1282.8	716.2	528.4	509.8	514.2	498.9	477.1	476.0
50°	3178.1	2981.6	2256.7	1303.6	678.0	513.1	501.1	496.7	481.5	462.9	460.7
52.5°	3524.2	3287.3	2436.8	1317.7	646.3	503.3	494.6	493.5	478.2	454.2	452.0
55°	3837.5	3553.7	2558.0	1290.5	617.9	498.9	494.6	495.7	476.0	452.0	448.7
57.5°	4290.6	3979.4	2750.1	1250.1	584.1	497.8	497.8	498.9	474.9	452.0	448.7
60°	4684.7	4338.6	2939.0	1246.8	551.3	496.7	498.9	497.8	480.4	466.2	462.9
62.5°	4820.1	4490.4	2947.7	1168.2	530.6	491.3	494.6	500.0	496.7	490.2	486.9
65°	5075.6	4715.3	2984.9	1079.7	501.1	481.5	489.1	503.3	505.5	501.1	497.8
66°	5057.0	4683.6	2948.8	1052.5	491.3	476.0	485.8	501.1	505.5	504.4	502.2
67.5°	4965.3	4601.7	2829.8	974.9	477.1	466.2	480.4	495.7	505.5	508.8	506.6
70°	4717.5	4355.0	2592.9	858.1	449.8	443.3	462.9	482.6	498.9	504.4	503.3
72.5°	4019.8	3674.8	2169.3	732.6	411.6	410.5	433.4	457.4	477.1	482.6	480.4
75°	3374.6	3035.1	1781.7	603.7	372.3	373.4	395.2	418.1	433.4	433.4	434.5
77.5°	2705.4	2418.2	1411.6	501.1	331.9	331.9	347.2	365.7	375.6	371.2	364.6
80°	2080.9	1890.9	1102.7	419.2	291.5	289.3	297.0	311.1	318.8	309.0	301.3
82.5°	1680.2	1516.4	872.3	349.4	252.2	250.0	253.3	263.1	267.5	256.6	253.3
85°	1275.2	1127.8	656.1	287.1	218.4	212.9	218.4	220.5	226.0	216.2	209.6
87.5°	901.8	799.2	476.0	239.1	186.7	183.4	182.3	184.5	187.8	181.2	178.0
90°	605.9	531.7	343.9	199.8	159.4	153.9	151.8	151.8	153.9	143.0	139.7
92.5°	388.7	343.9	239.1	159.4	133.2	126.6	122.3	123.4	122.3	111.4	109.2
95°	242.4	219.4	172.5	125.6	107.0	101.5	97.2	96.1	95.0	87.3	85.2
97.5°	158.3	150.7	128.8	99.3	85.2	80.8	78.6	77.5	77.5	72.1	68.8
100°	117.9	114.6	101.5	83.0	69.9	66.6	64.4	64.4	66.6	62.2	60.0
102.5°	91.7	92.8	83.0	69.9	59.0	56.8	54.6	54.6	56.8	54.6	53.5
105°	69.9	69.9	67.7	57.9	50.2	49.1	46.9	46.9	49.1	49.1	49.1
107.5°	54.6	56.8	54.6	48.0	43.7	42.6	40.4	40.4	42.6	43.7	44.8



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.7	45.9	44.8	41.5	38.2	37.1	34.9	33.8	36.0	39.3	39.3
112.5°	34.9	37.1	37.1	34.9	32.8	32.8	30.6	29.5	31.7	34.9	34.9
115°	29.5	31.7	31.7	30.6	29.5	28.4	26.2	25.1	27.3	30.6	31.7
117.5°	25.1	27.3	27.3	27.3	26.2	25.1	22.9	21.8	22.9	26.2	27.3
120°	22.9	24.0	24.0	24.0	22.9	22.9	20.7	19.7	20.7	24.0	24.0
122.5°	19.7	20.7	21.8	21.8	20.7	20.7	18.6	16.4	17.5	20.7	21.8
125°	17.5	18.6	19.7	19.7	18.6	18.6	16.4	15.3	16.4	18.6	19.7
127.5°	16.4	17.5	17.5	17.5	17.5	16.4	14.2	13.1	14.2	17.5	17.5
130°	15.3	16.4	16.4	16.4	15.3	14.2	13.1	12.0	13.1	16.4	16.4
132.5°	14.2	15.3	15.3	14.2	14.2	13.1	10.9	9.8	12.0	14.2	14.2
135°	12.0	13.1	13.1	13.1	12.0	10.9	9.8	8.7	10.9	12.0	12.0
137.5°	9.8	10.9	10.9	10.9	9.8	8.7	7.6	7.6	8.7	10.9	10.9
140°	7.6	8.7	8.7	8.7	7.6	7.6	6.6	5.5	7.6	8.7	8.7
142.5°	5.5	6.6	6.6	6.6	5.5	5.5	4.4	4.4	6.6	7.6	7.6
145°	3.3	4.4	4.4	4.4	4.4	3.3	3.3	3.3	4.4	5.5	5.5
147.5°	2.2	3.3	3.3	3.3	3.3	2.2	1.1	2.2	3.3	4.4	4.4
150°	1.1	2.2	2.2	2.2	2.2	1.1	0.0	1.1	2.2	3.3	3.3
152.5°	1.1	1.1	2.2	2.2	1.1	1.1	0.0	0.0	1.1	1.1	1.1
155°	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	0.0
157.5°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)