

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: P413893

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9667 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

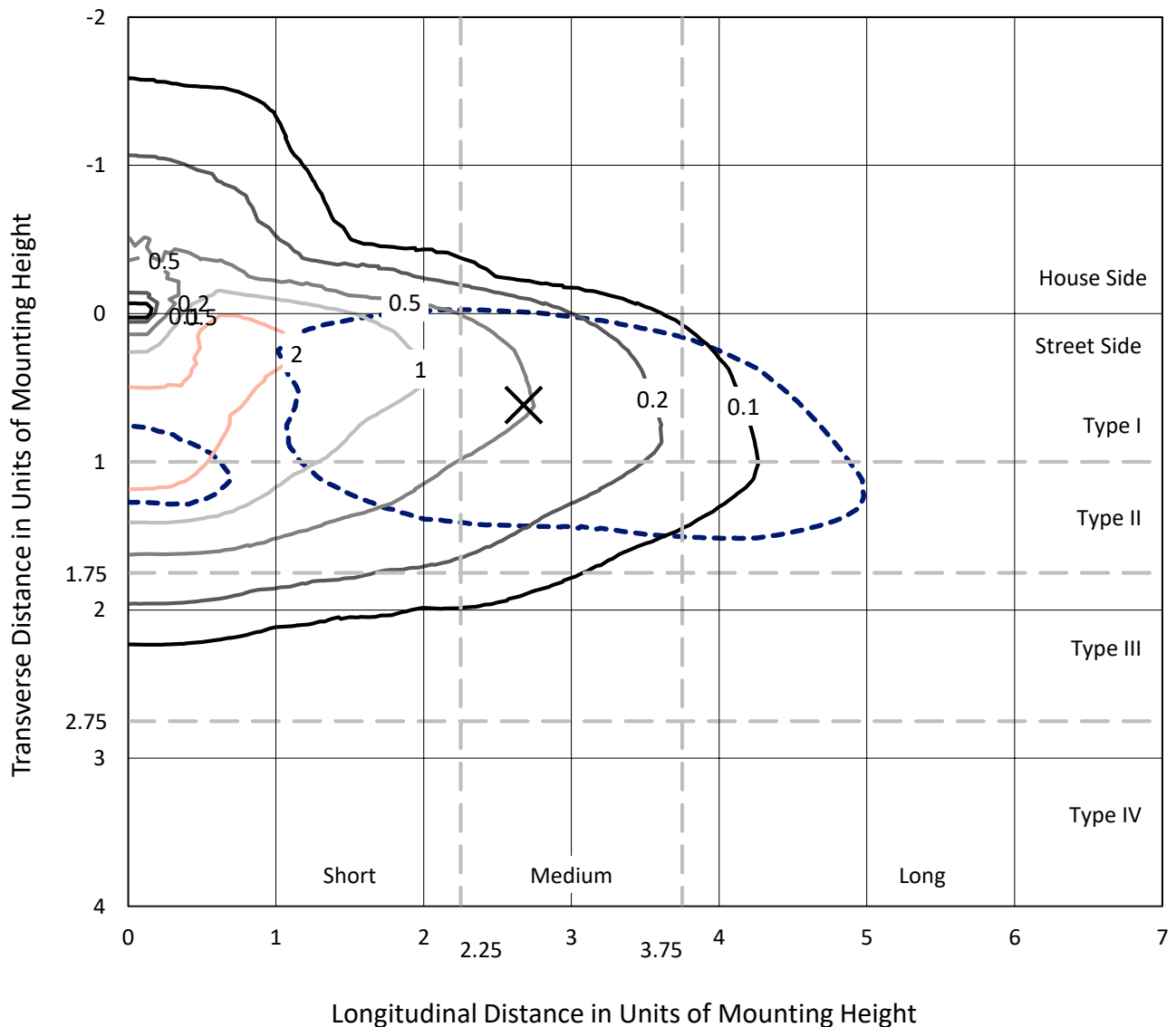
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P413893
 CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

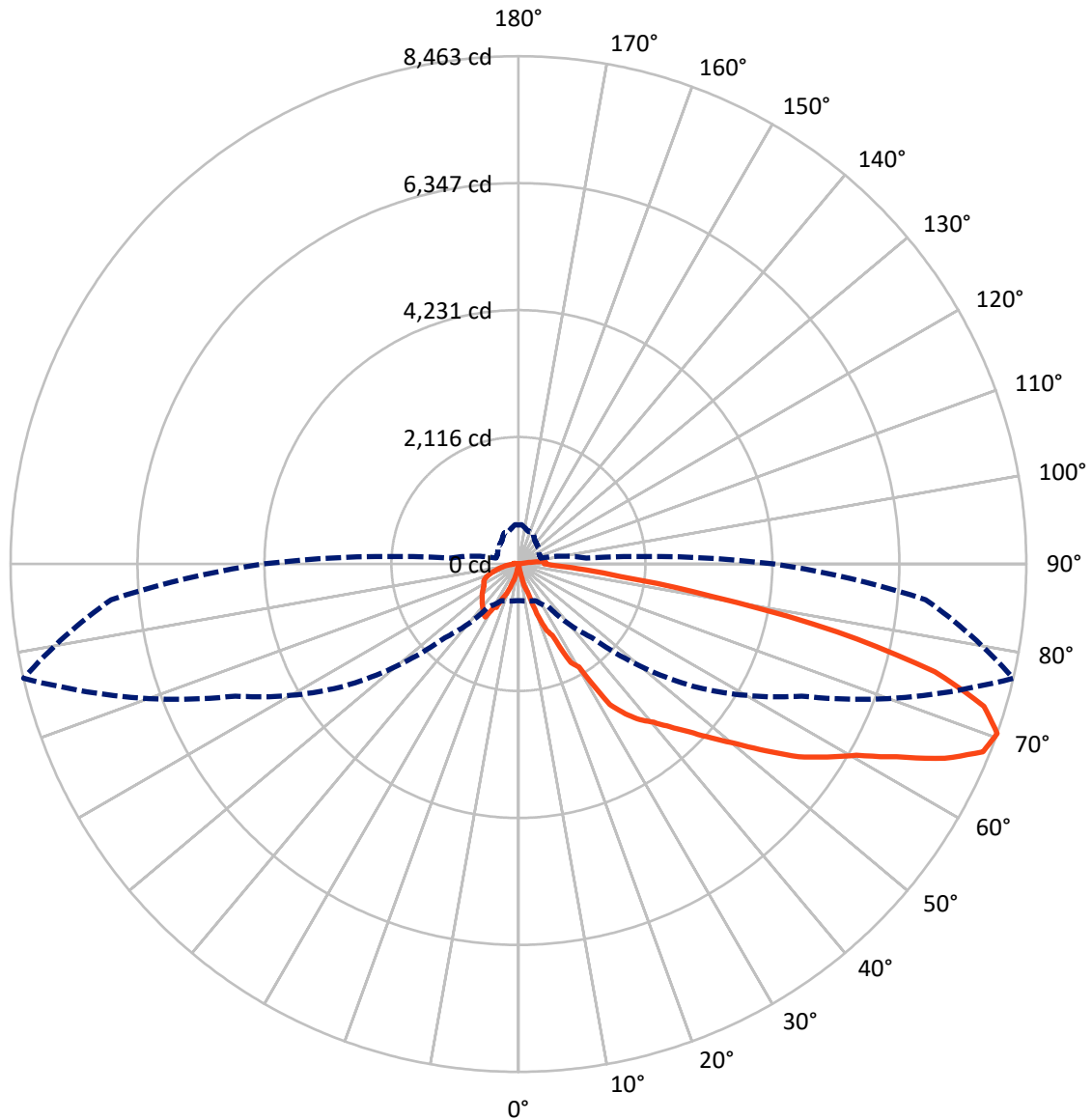
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P413893
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P413893

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1635.0	71.7	1706.7
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	7871.0	89.3	7960.3
	% Fixture	81.4	0.9	82.3
Total	Lumens	9506.0	161.0	9667.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	115.0	1.2
20°-30°	455.6	4.7
30°-40°	1100.2	11.4
40°-50°	1779.5	18.4
50°-60°	2128.4	22.0
60°-70°	2081.3	21.5
70°-80°	1438.8	14.9
80°-90°	399.3	4.1
90°-100°	105.1	1.1
100°-110°	21.5	0.2
110°-120°	11.5	0.1
120°-130°	9.2	0.1
130°-140°	6.3	0.1
140°-150°	5.2	0.1
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9506.0	98.3
0°-180°	9667.0	100.0

Coefficient of Utilization



REPORT NUMBER: P413893

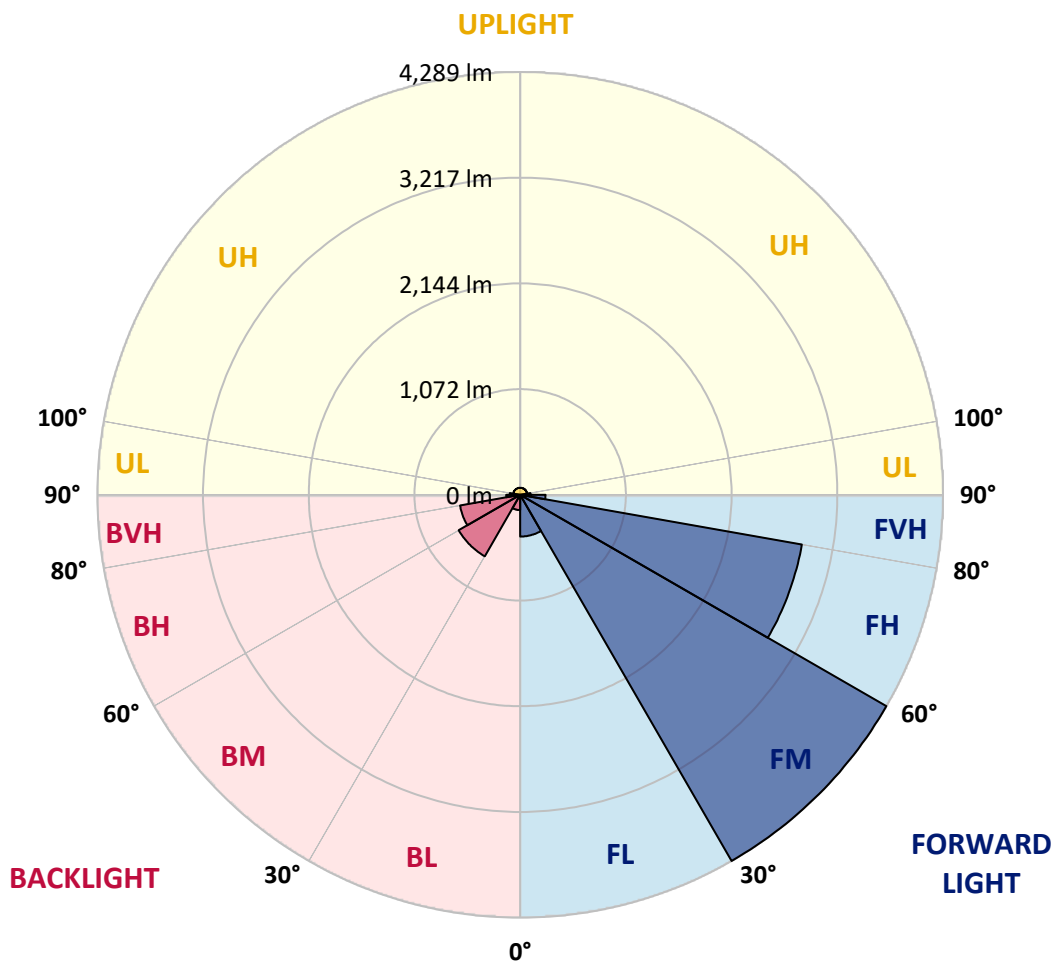
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.6	4.4			
FM (30°-60°)	4288.9	44.4			
FH (60°-80°)	2901.2	30.0			G2/5000
FVH (80°-90°)	257.3	2.7			G3/500
BL (0°-30°)	154.8	1.6	B1/500		
BM (30°-60°)	719.2	7.4	B1/1000		
BH (60°-80°)	619.0	6.4	B2/1000		G2/1000
BVH (80°-90°)	142.0	1.5			G2/225
UL (90°-100°)	105.1	1.1		U3/500	
UH (100°-180°)	71.7	0.7		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





REPORT NUMBER: P413893

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	12.0	10.9	10.9	12.0	14.2	13.1	9.8	7.6	6.6	6.6	6.6
5°	236.9	229.3	223.8	158.3	34.9	20.7	13.1	9.8	7.6	7.6	6.6
7.5°	282.8	278.4	276.2	268.6	259.8	242.4	43.7	14.2	8.7	8.7	7.6
10°	319.9	316.6	312.3	307.9	295.9	283.9	259.8	36.0	14.2	14.2	12.0
12.5°	651.8	642.0	633.2	449.8	334.1	321.0	298.1	204.2	155.0	149.6	180.1
15°	669.3	669.3	669.3	674.7	664.9	358.1	488.0	611.4	404.0	390.9	404.0
17.5°	712.9	706.4	695.5	698.8	711.9	790.5	728.2	680.2	538.3	478.2	465.1
20°	1066.7	1061.2	1064.5	987.0	758.8	995.7	989.2	766.4	874.5	886.5	863.6
22.5°	1138.7	1137.7	1134.4	1130.0	1297.1	1056.9	1137.7	1205.3	1221.7	1197.7	993.5
25°	1615.9	1603.9	1458.6	1229.4	1389.9	1271.9	1517.6	1336.4	1360.4	1317.8	1258.8
27.5°	1846.2	1821.1	1796.0	1727.2	1492.5	1699.9	1614.8	1762.2	1975.1	1861.5	1601.7
30°	2435.8	2450.0	2043.8	2020.9	1846.2	1802.6	1977.2	2071.1	2073.3	1990.3	1798.2
32.5°	2999.2	2961.0	2866.0	2457.6	2198.9	2018.7	2292.8	2205.4	2713.1	2791.7	2438.0
35°	3551.6	3477.4	3199.0	2921.7	2565.7	2488.2	2456.5	2761.2	2953.3	3065.8	2637.8
37.5°	4338.8	4285.3	4018.9	3294.0	2957.7	2678.2	2880.2	2939.1	3244.8	3292.9	2910.7
40°	4628.1	4592.1	4370.5	3801.6	3264.5	2989.3	3070.1	3153.1	3534.2	3467.6	3116.0
42.5°	4835.6	4822.5	4645.6	4066.9	3664.1	3298.3	3289.6	3332.2	3831.1	3708.8	3321.3
45°	4995.0	4976.4	4871.6	4237.3	3853.0	3489.4	3526.5	3552.7	4092.1	3985.1	3556.0
47.5°	4964.4	4972.0	4986.2	4449.1	3965.4	3676.1	3768.9	3742.7	4305.0	4330.1	3819.1
50°	4729.7	4745.0	4849.8	4534.2	4029.8	3828.9	3978.5	3954.5	4601.9	4706.7	4122.6
52.5°	4032.0	4057.1	4445.8	4402.1	4086.6	3949.0	4193.6	4199.1	4949.1	5171.8	4510.2
55°	2952.2	3047.2	3520.0	3964.3	4024.4	3987.2	4337.7	4509.1	5348.7	5669.7	4856.3
57.5°	2374.7	2355.0	2681.5	3328.9	3716.5	3940.3	4489.5	4785.4	5713.4	6069.3	5202.4
60°	1843.0	1849.5	2090.8	2554.8	3177.1	3824.6	4644.5	5034.3	6162.1	6471.1	5626.0
62.5°	1372.4	1385.5	1560.2	1837.5	2561.4	3501.4	4692.5	5345.4	6785.5	7078.1	6138.1
65°	996.8	1018.6	1113.6	1284.0	1850.6	3016.6	4546.2	5578.0	7476.6	7809.6	6685.1
67.5°	749.0	761.0	816.7	920.4	1322.2	2394.3	4184.9	5563.8	7823.8	8347.9	6919.8
70°	609.2	614.7	635.4	672.5	868.0	1736.0	3550.5	5205.7	7898.1	8462.5	6810.6
72.5°	517.5	515.3	516.4	521.9	599.4	1186.8	2742.6	4535.3	7614.2	8114.2	6318.2
75°	442.2	438.9	438.9	433.4	462.9	833.0	1888.8	3660.8	6859.8	7169.8	5322.5
77.5°	376.7	371.2	370.1	359.2	372.3	620.1	1251.2	2726.2	5427.3	5432.8	3773.3
80°	321.0	311.2	306.8	299.2	314.4	472.7	816.7	1778.5	3320.2	3266.7	2094.1
82.5°	236.9	236.9	243.5	245.7	270.8	350.5	576.5	1058.0	1812.4	1715.2	1214.1
85°	136.5	148.5	175.8	179.1	207.4	232.6	433.4	626.7	1014.3	978.3	622.3
87.5°	50.2	48.0	73.2	77.5	87.3	87.3	235.8	343.9	531.7	553.5	490.2
90°	41.5	41.5	28.4	26.2	33.8	56.8	159.4	241.3	399.6	429.1	462.9
92.5°	43.7	43.7	28.4	25.1	31.7	50.2	134.3	228.2	419.3	459.6	478.2
95°	41.5	42.6	25.1	22.9	29.5	42.6	100.4	195.4	402.9	441.1	467.3
97.5°	36.0	37.1	20.7	19.7	26.2	30.6	54.6	97.2	200.9	208.5	216.2
100°	29.5	29.5	15.3	16.4	20.7	20.7	28.4	51.3	49.1	40.4	34.9
102.5°	25.1	27.3	14.2	13.1	15.3	13.1	13.1	19.7	29.5	25.1	33.8
105°	20.7	22.9	12.0	10.9	12.0	10.9	8.7	14.2	21.8	25.1	36.0
107.5°	14.2	15.3	8.7	9.8	9.8	9.8	6.6	10.9	20.7	24.0	37.1
110°	9.8	9.8	6.6	8.7	8.7	9.8	6.6	10.9	16.4	18.6	29.5



REPORT NUMBER: P413893

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.6	6.6	5.5	6.6	7.6	7.6	6.6	9.8	14.2	15.3	20.7
115°	5.5	5.5	4.4	5.5	6.6	6.6	5.5	8.7	14.2	16.4	21.8
117.5°	6.6	5.5	4.4	5.5	6.6	5.5	5.5	7.6	14.2	16.4	21.8
120°	6.6	6.6	5.5	5.5	5.5	5.5	5.5	7.6	14.2	16.4	21.8
122.5°	7.6	6.6	5.5	5.5	5.5	5.5	5.5	6.6	13.1	15.3	20.7
125°	7.6	7.6	5.5	5.5	6.6	5.5	5.5	6.6	13.1	14.2	19.7
127.5°	8.7	7.6	6.6	5.5	6.6	5.5	5.5	6.6	12.0	13.1	17.5
130°	8.7	8.7	6.6	5.5	6.6	5.5	5.5	5.5	9.8	10.9	15.3
132.5°	8.7	8.7	7.6	6.6	7.6	6.6	5.5	5.5	7.6	8.7	12.0
135°	9.8	8.7	8.7	7.6	8.7	7.6	5.5	5.5	5.5	6.6	8.7
137.5°	9.8	9.8	9.8	8.7	9.8	7.6	5.5	5.5	5.5	5.5	6.6
140°	12.0	12.0	10.9	9.8	10.9	8.7	6.6	5.5	5.5	5.5	6.6
142.5°	14.2	14.2	13.1	12.0	10.9	8.7	7.6	6.6	6.6	6.6	6.6
145°	16.4	15.3	15.3	13.1	10.9	8.7	7.6	7.6	7.6	7.6	7.6
147.5°	16.4	16.4	15.3	12.0	9.8	6.6	6.6	8.7	8.7	8.7	8.7
150°	15.3	15.3	13.1	10.9	7.6	5.5	5.5	7.6	8.7	8.7	8.7
152.5°	12.0	10.9	9.8	6.6	5.5	3.3	4.4	5.5	6.6	6.6	7.6
155°	7.6	6.6	5.5	4.4	4.4	3.3	3.3	4.4	4.4	4.4	5.5
157.5°	3.3	3.3	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
160°	1.1	1.1	1.1	1.1	3.3	3.3	3.3	2.2	2.2	2.2	2.2
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: P413893

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	6.6	6.6	6.6	6.6	6.6	5.5	6.6	7.6	8.7	8.7	8.7
5°	6.6	6.6	6.6	7.6	7.6	6.6	7.6	9.8	10.9	10.9	10.9
7.5°	7.6	6.6	7.6	8.7	8.7	8.7	38.2	110.3	122.3	124.5	126.6
10°	10.9	10.9	10.9	12.0	13.1	114.6	135.4	141.9	146.3	149.6	150.7
12.5°	166.0	145.2	90.6	24.0	115.7	141.9	149.6	160.5	166.0	172.5	170.3
15°	372.3	329.7	247.8	211.8	207.4	158.3	166.0	276.2	306.8	312.3	311.2
17.5°	421.4	362.5	276.2	294.8	306.8	238.0	279.5	309.0	314.4	319.9	318.8
20°	783.9	624.5	374.5	324.3	321.0	401.8	298.1	307.9	318.8	375.6	382.1
22.5°	870.2	718.4	490.2	474.9	387.6	408.3	388.7	394.1	428.0	428.0	425.8
25°	1089.6	869.1	553.5	484.8	492.4	406.1	456.4	394.1	400.7	400.7	401.8
27.5°	1417.2	1116.9	734.8	540.4	486.9	491.3	433.4	399.6	457.5	464.0	467.3
30°	1516.5	1159.5	727.1	603.8	508.8	477.1	405.1	447.6	431.3	431.3	428.0
32.5°	2119.2	1582.0	905.1	590.7	521.9	443.3	448.7	421.4	413.8	447.6	447.6
35°	2238.2	1629.0	873.4	664.9	501.1	461.8	426.9	433.4	419.3	417.1	413.8
37.5°	2374.7	1661.7	802.5	624.5	529.5	443.3	441.1	424.7	406.1	432.4	436.7
40°	2504.6	1693.4	745.7	576.5	489.1	441.1	432.4	423.6	384.3	384.3	383.2
42.5°	2650.9	1714.1	694.4	538.3	449.8	442.2	418.2	390.9	364.7	372.3	370.1
45°	2802.6	1727.2	642.0	495.7	414.9	457.5	419.3	407.2	386.5	389.8	386.5
47.5°	2989.3	1749.1	596.1	454.2	393.0	419.3	396.3	390.9	402.9	392.0	398.5
50°	3188.1	1761.1	553.5	418.2	371.2	407.2	410.5	394.1	402.9	384.3	383.2
52.5°	3426.1	1772.0	507.7	394.1	367.9	405.1	430.2	412.7	397.4	373.4	371.2
55°	3635.7	1737.1	468.4	378.9	389.8	400.7	446.5	425.8	394.1	366.8	367.9
57.5°	3863.9	1692.3	436.7	372.3	385.4	393.0	469.5	444.4	408.3	409.4	410.5
60°	4099.7	1649.7	417.1	371.2	379.9	396.3	472.7	469.5	426.9	436.7	444.4
62.5°	4381.4	1615.9	413.8	378.9	399.6	413.8	476.0	509.9	472.7	477.1	479.3
65°	4601.9	1517.6	410.5	383.2	407.2	417.1	477.1	538.3	521.9	547.0	544.8
67.5°	4534.2	1336.4	405.1	387.6	412.7	434.5	476.0	559.0	556.8	614.7	609.2
70°	4258.0	1135.5	387.6	382.1	414.9	443.3	477.1	564.5	574.3	656.2	650.7
72.5°	3792.9	916.0	355.9	366.8	416.0	454.2	491.3	565.6	576.5	692.2	675.8
75°	3173.9	740.2	309.0	331.9	429.1	460.7	494.6	554.6	554.6	663.8	643.1
77.5°	2284.0	569.9	266.4	301.3	424.7	456.4	484.8	529.5	521.9	574.3	554.6
80°	1330.9	420.3	227.1	295.9	398.5	447.6	457.5	467.3	431.3	443.3	431.3
82.5°	799.2	311.2	196.5	265.3	350.5	402.9	410.5	394.1	346.1	345.0	328.6
85°	479.3	212.9	144.1	205.3	276.2	336.3	345.0	299.2	254.4	280.6	251.1
87.5°	353.7	134.3	99.4	127.7	168.1	157.2	205.3	193.2	164.9	158.3	156.1
90°	318.8	102.6	81.9	103.7	113.5	97.2	104.8	104.8	85.2	84.1	79.7
92.5°	315.5	96.1	87.3	101.5	91.7	77.5	85.2	84.1	67.7	64.4	61.1
95°	294.8	86.3	87.3	91.7	80.8	63.3	68.8	64.4	48.0	44.8	41.5
97.5°	138.7	60.0	83.0	79.7	66.6	49.1	56.8	49.1	33.8	29.5	29.5
100°	32.8	51.3	71.0	72.1	53.5	37.1	39.3	31.7	21.8	18.6	18.6
102.5°	32.8	22.9	43.7	56.8	32.8	15.3	21.8	20.7	16.4	16.4	17.5
105°	32.8	21.8	21.8	37.1	19.7	9.8	9.8	13.1	14.2	18.6	20.7
107.5°	33.8	22.9	17.5	17.5	14.2	9.8	8.7	9.8	14.2	21.8	22.9
110°	28.4	20.7	16.4	15.3	14.2	9.8	7.6	9.8	14.2	24.0	26.2



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2R-CL

CANDELA DISTRIBUTION (continued):

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