

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: P415480

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415480
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-PA1-50-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5786 lumens
Efficiency: N/A
Efficacy: 107.1 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: B1 - U3 - G3

Input Watts (W): 54
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

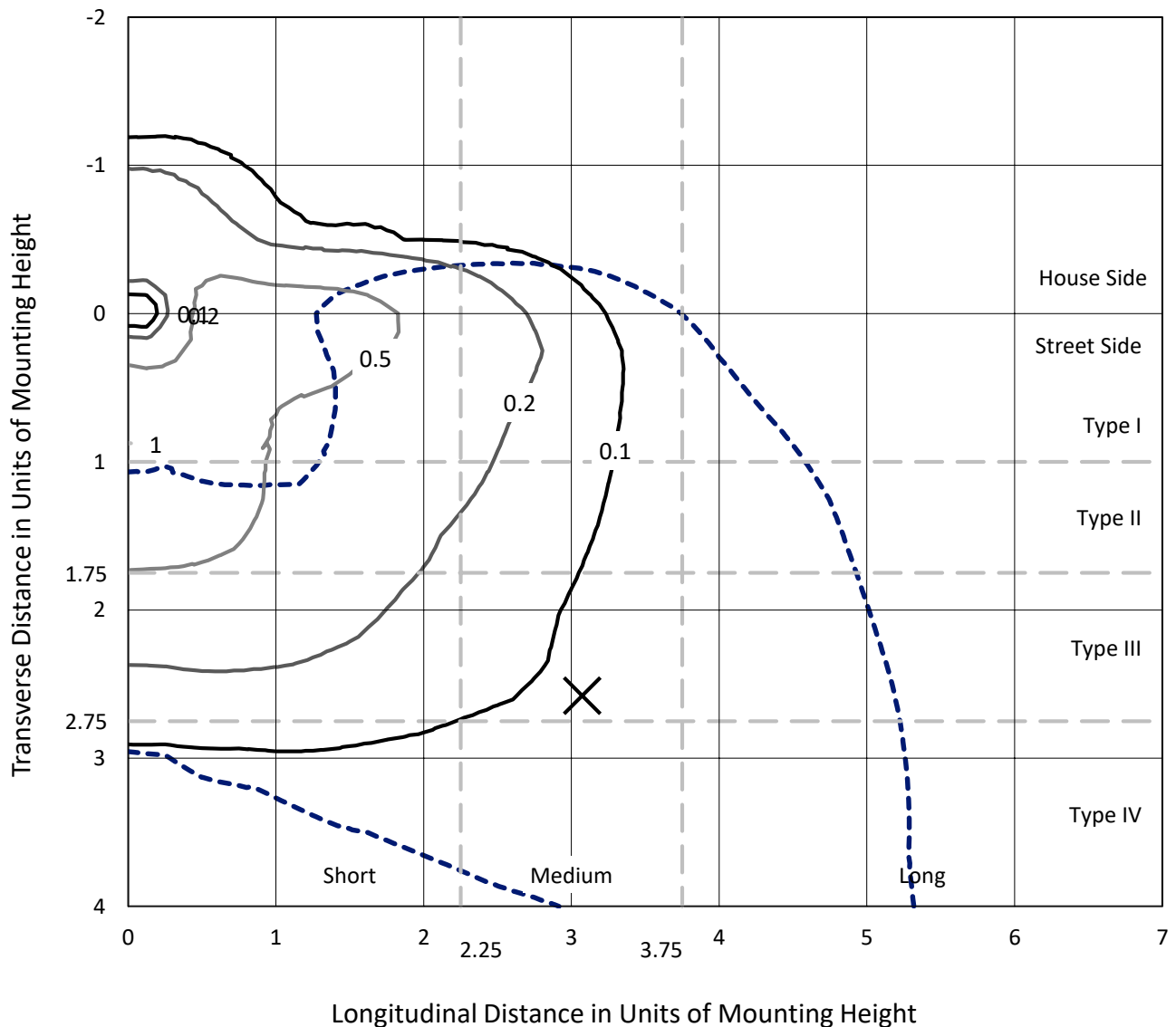


REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

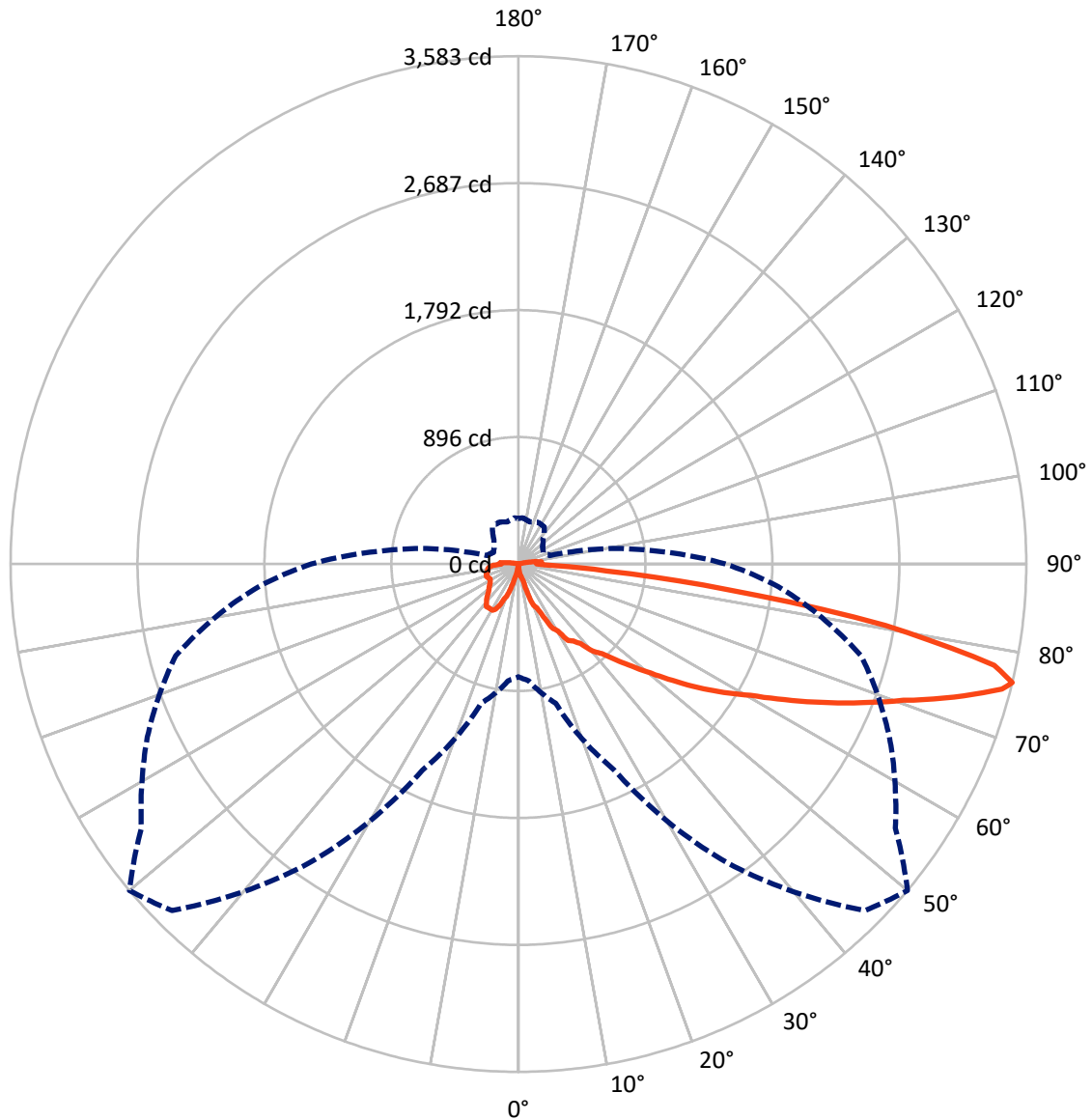


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1262.8	71.2	1334.0
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4394.9	57.1	4452.0
	% Fixture	76.0	1.0	76.9
Total	Lumens	5657.7	128.3	5786.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	48.3	0.8
20°-30°	188.7	3.3
30°-40°	406.3	7.0
40°-50°	661.9	11.4
50°-60°	1065.6	18.4
60°-70°	1552.1	26.8
70°-80°	1384.7	23.9
80°-90°	346.9	6.0
90°-100°	101.6	1.8
100°-110°	15.1	0.3
110°-120°	4.3	0.1
120°-130°	3.0	0.1
130°-140°	2.0	0.0
140°-150°	1.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5657.7	97.8
0°-180°	5786.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415480

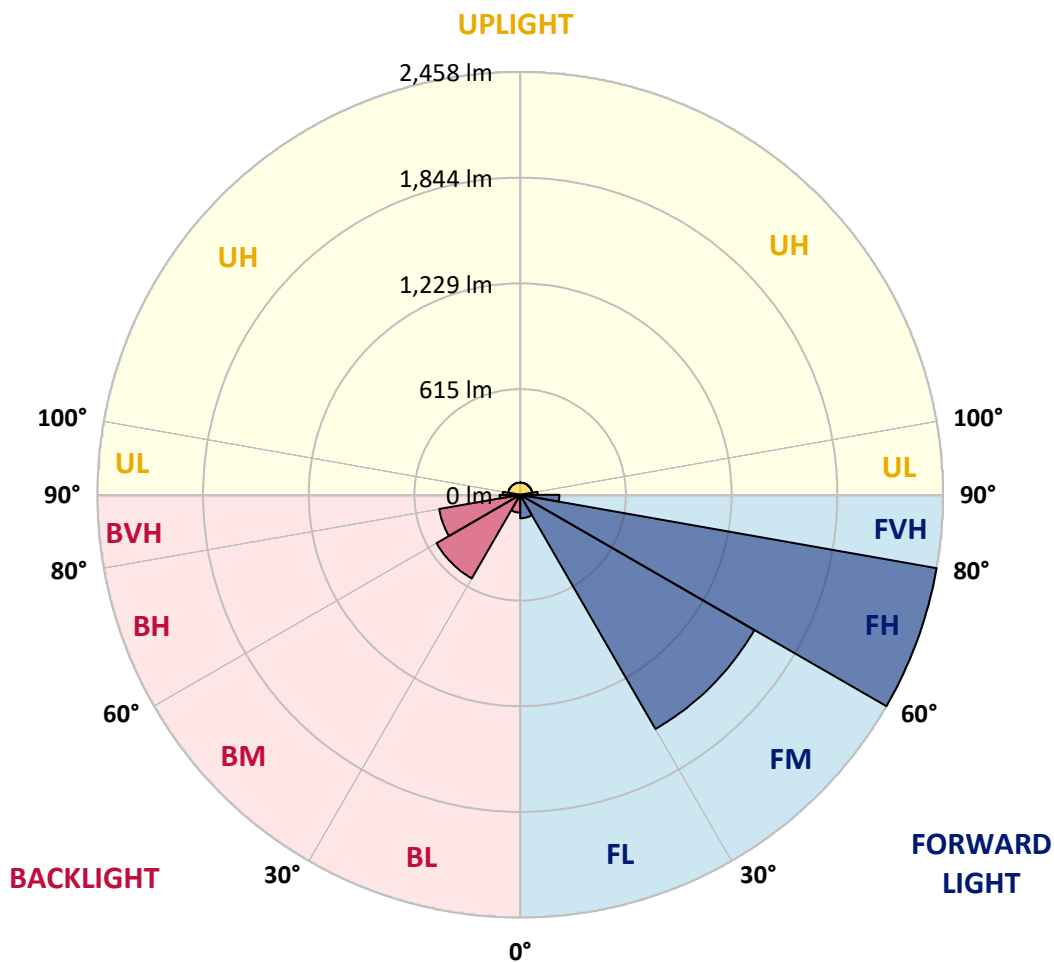
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.4	2.4			
FM	(30°-60°)	1572.3	27.2			
FH	(60°-80°)	2458.5	42.5			G2/5000
FVH	(80°-90°)	227.7	3.9			G3/500
BL	(0°-30°)	103.8	1.8	B0/110		
BM	(30°-60°)	561.5	9.7	B1/1000		
BH	(60°-80°)	478.4	8.3	B1/500		G1/500
BVH	(80°-90°)	119.1	2.1			G2/225
UL	(90°-100°)	101.6	1.8		U3/500	
UH	(100°-180°)	71.2	1.2		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	8.4	6.4	5.8	5.1	5.1	4.5	4.5	3.9	3.9	3.9	3.9
5°	81.0	78.4	72.7	67.5	23.1	19.3	16.1	12.2	4.5	4.5	3.9
7.5°	97.1	95.2	91.3	88.7	84.9	79.1	72.7	34.1	13.5	5.1	4.5
10°	127.3	117.7	110.0	103.5	99.0	89.4	86.8	81.7	22.5	9.6	7.1
12.5°	227.6	222.5	214.8	146.0	120.2	102.9	99.0	94.5	73.3	34.7	62.4
15°	250.8	245.6	237.9	228.3	214.1	126.7	119.0	147.9	189.1	142.1	148.5
17.5°	294.5	291.9	271.4	248.2	234.1	248.9	249.5	226.3	214.8	187.8	171.0
20°	408.3	405.8	394.2	335.0	264.9	314.4	313.2	301.6	241.1	277.1	298.4
22.5°	425.0	421.8	411.5	395.5	419.3	344.7	336.3	336.3	355.6	376.8	351.1
25°	559.4	556.2	477.8	416.0	449.5	410.3	411.5	455.3	393.5	413.5	394.8
27.5°	584.5	580.0	573.6	532.4	473.3	519.6	512.5	488.7	511.9	571.0	551.1
30°	682.3	632.7	611.5	587.7	558.8	550.4	547.2	590.3	607.0	603.2	609.0
32.5°	791.6	789.6	769.1	627.0	632.1	591.6	643.7	663.0	637.2	732.4	793.5
35°	951.0	885.5	845.6	751.1	657.8	684.2	666.2	686.1	774.2	783.2	841.7
37.5°	1195.4	1191.5	1100.2	828.9	758.8	700.3	713.1	768.4	826.3	839.2	918.2
40°	1397.3	1378.7	1320.8	1033.4	825.0	757.5	808.9	796.7	857.8	902.8	978.7
42.5°	1547.1	1564.5	1531.7	1196.0	958.1	848.2	863.6	847.5	904.1	988.3	1065.5
45°	1690.5	1683.5	1706.0	1361.3	1086.1	964.5	963.3	924.0	989.0	1083.5	1185.1
47.5°	1807.6	1797.3	1820.4	1540.7	1233.3	1070.0	1079.0	1028.2	1090.6	1202.5	1362.6
50°	1938.1	1918.2	1933.6	1691.2	1425.6	1222.4	1210.2	1171.0	1206.3	1358.7	1579.3
52.5°	2095.0	2080.9	2053.2	1841.0	1623.7	1379.3	1363.9	1325.9	1364.5	1552.9	1819.1
55°	2235.8	2219.7	2197.2	2047.4	1788.3	1538.8	1539.4	1501.5	1576.7	1765.1	2097.6
57.5°	2382.4	2374.7	2386.3	2278.3	2023.6	1705.3	1709.2	1686.0	1821.1	1983.1	2392.7
60°	2504.0	2492.4	2556.7	2514.3	2232.6	1895.7	1880.2	1905.3	2070.6	2210.7	2691.7
62.5°	2550.3	2558.0	2679.5	2731.6	2435.2	2100.8	2106.6	2140.7	2301.4	2483.4	2979.8
65°	2332.9	2359.9	2699.4	2769.5	2660.9	2328.4	2356.1	2350.3	2538.0	2684.0	3222.9
67.5°	2096.9	2127.8	2496.9	2779.2	2835.8	2595.9	2610.1	2552.8	2741.9	2809.4	3404.2
70°	1929.7	1953.5	2257.0	2724.5	2943.2	2875.0	2881.4	2775.3	2889.8	2956.7	3397.8
72.5°	1640.4	1665.5	1945.8	2518.1	3010.0	3213.2	3213.2	2979.2	3009.4	2953.4	3000.4
75°	1108.6	1118.2	1347.8	1954.8	2837.1	3489.1	3522.5	3201.7	2968.2	2682.7	2237.8
76°	796.1	825.7	1017.9	1605.0	2576.6	3457.6	3583.0	3246.7	2887.9	2503.3	1841.6
77.5°	421.8	448.8	600.6	1027.6	2089.9	3215.2	3431.9	3108.4	2633.2	2149.0	1361.9
80°	165.3	163.3	206.4	365.9	1058.4	2445.5	2626.1	2291.1	1781.2	1244.9	646.9
82.5°	90.7	99.7	131.2	193.6	459.1	1349.1	1483.5	1208.9	909.2	574.2	378.1
85°	57.9	59.2	77.2	119.6	283.6	568.4	624.4	517.6	425.7	352.4	268.8
87.5°	34.7	36.0	40.5	55.3	140.2	167.2	182.6	214.8	244.4	242.4	232.1
90°	23.8	23.8	19.9	21.9	65.6	133.8	128.6	137.0	124.7	158.2	223.8
92.5°	23.1	23.1	19.3	19.9	55.9	148.5	149.2	148.5	131.8	161.4	235.3
95°	20.6	21.2	16.7	17.4	41.2	138.9	163.3	158.2	133.1	162.7	234.7
97.5°	17.4	18.0	12.9	14.8	27.7	93.9	121.5	124.1	83.0	82.3	106.1
100°	12.9	13.5	9.0	11.6	16.7	43.1	64.9	61.1	41.2	22.5	14.8
102.5°	12.2	12.9	7.7	9.0	10.3	14.8	23.8	18.0	15.4	12.9	12.9
105°	13.5	13.5	7.1	6.4	6.4	7.1	5.8	8.4	9.0	9.6	13.5
107.5°	11.6	12.2	5.1	5.1	4.5	4.5	3.9	3.9	5.1	8.4	14.8



REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	9.0	9.0	4.5	4.5	3.2	3.9	3.9	3.2	4.5	6.4	11.6
112.5°	5.1	5.8	2.6	3.9	2.6	3.2	3.2	2.6	3.9	4.5	6.4
115°	5.1	5.1	2.6	1.9	1.9	1.9	2.6	2.6	3.2	4.5	7.1
117.5°	5.1	5.1	2.6	1.9	1.3	1.9	1.9	1.9	3.2	4.5	7.1
120°	5.1	5.1	2.6	1.3	1.3	1.3	1.3	1.9	3.2	4.5	7.1
122.5°	5.8	5.1	2.6	1.3	1.3	1.3	1.3	1.9	3.2	4.5	6.4
125°	5.8	5.1	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.8
127.5°	5.8	5.1	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.1
130°	5.1	5.1	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.1
132.5°	5.1	4.5	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.2	4.5
135°	4.5	3.9	2.6	1.3	1.9	1.3	1.9	1.9	2.6	3.2	3.9
137.5°	3.9	3.9	2.6	1.9	1.9	1.9	1.9	1.9	2.6	3.2	3.2
140°	4.5	3.9	2.6	2.6	1.9	1.9	1.9	1.9	2.6	3.2	3.2
142.5°	5.1	4.5	3.2	2.6	2.6	1.9	1.9	2.6	2.6	3.2	3.2
145°	5.1	5.1	3.9	3.2	1.9	1.9	1.9	2.6	3.2	3.2	3.9
147.5°	5.8	5.1	3.9	3.2	1.9	1.3	1.9	1.9	3.2	3.9	3.9
150°	5.1	5.1	3.2	2.6	1.3	0.6	1.3	1.9	3.2	3.9	3.9
152.5°	3.9	3.9	2.6	1.3	0.6	0.6	1.3	1.9	2.6	3.2	3.9
155°	2.6	2.6	1.3	0.6	0.0	0.6	0.6	1.3	1.9	2.6	3.2
157.5°	1.3	1.3	0.6	0.0	0.0	0.6	0.6	1.3	1.9	2.6	2.6
160°	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.3	1.9	1.9
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: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	3.9	3.2	3.2	2.6	2.6	1.9	1.9	1.9	1.9	2.6	3.2
5°	3.9	3.9	3.2	3.2	3.2	2.6	2.6	3.9	4.5	5.1	5.1
7.5°	3.9	3.9	3.9	3.2	3.9	5.1	20.6	59.2	64.9	68.8	70.1
10°	7.1	6.4	5.8	5.1	9.6	65.6	81.0	88.1	91.3	94.5	94.5
12.5°	67.5	67.5	27.7	15.4	66.2	88.1	92.6	97.7	102.2	106.7	107.4
15°	146.6	144.7	139.5	128.0	110.6	99.7	104.2	154.3	181.3	193.6	191.6
17.5°	167.8	165.3	162.0	184.6	192.3	153.7	179.4	199.3	205.1	211.6	210.9
20°	311.2	308.0	239.9	214.8	210.3	257.9	205.1	209.6	219.9	280.4	282.3
22.5°	348.5	344.7	320.9	327.3	245.6	279.7	270.7	283.6	316.4	326.0	327.3
25°	408.3	392.9	364.0	342.1	347.9	291.9	336.9	315.7	327.9	339.5	341.4
27.5°	565.2	556.2	504.8	383.2	355.0	365.2	351.1	343.4	410.3	434.7	436.6
30°	609.0	599.9	535.6	443.7	374.2	374.2	353.7	428.3	431.5	444.3	447.6
32.5°	827.6	809.6	681.0	450.8	388.4	357.5	400.6	421.8	473.3	511.9	518.3
35°	878.4	862.9	702.8	515.1	375.5	372.3	378.1	444.3	482.3	505.4	510.6
37.5°	931.1	913.7	700.3	490.6	398.0	355.0	367.8	415.4	470.1	529.9	537.6
40°	1003.1	981.9	703.5	459.1	373.0	335.7	345.3	398.7	436.0	473.3	479.7
42.5°	1099.6	1057.1	709.3	430.8	344.0	327.3	329.2	360.1	377.5	392.9	392.9
45°	1229.5	1160.7	711.2	401.3	315.1	308.0	310.6	324.7	331.2	321.5	317.0
47.5°	1403.7	1288.6	735.0	374.9	290.7	286.8	288.7	293.2	290.0	264.9	260.4
50°	1606.9	1439.1	747.8	351.7	272.6	272.0	268.8	268.8	257.2	228.9	227.0
52.5°	1831.4	1618.5	758.8	323.4	259.8	263.0	263.0	249.5	232.1	209.6	207.7
55°	2116.2	1825.6	774.9	299.0	248.9	248.2	255.3	238.6	220.6	201.3	201.3
57.5°	2399.2	2044.8	794.1	277.8	236.6	237.9	248.2	234.7	225.1	217.3	216.7
60°	2682.1	2271.2	763.3	258.5	232.1	229.6	246.3	249.5	237.9	242.4	246.9
62.5°	2947.7	2415.9	639.2	241.8	223.8	227.6	263.0	282.9	279.1	274.6	275.9
65°	3073.0	2445.5	518.3	227.0	218.0	241.1	290.0	320.2	307.4	292.6	291.3
67.5°	3094.3	2368.9	381.3	218.0	214.8	264.9	311.2	328.6	309.3	303.5	298.4
70°	2945.1	2174.7	304.8	208.3	217.3	268.8	324.7	326.7	312.5	318.9	312.5
72.5°	2504.6	1811.4	266.9	199.3	218.0	259.1	324.7	327.3	311.2	329.9	326.7
75°	1793.4	1270.0	237.3	191.6	210.9	248.2	320.2	326.7	307.4	327.9	322.8
76°	1461.0	1007.6	228.9	193.6	207.7	244.4	318.9	324.7	308.0	326.7	321.5
77.5°	965.2	658.5	214.8	192.3	201.9	242.4	315.7	322.2	307.4	322.8	317.7
80°	516.4	373.0	193.6	179.4	194.8	243.7	313.2	315.7	295.2	312.5	306.1
82.5°	340.2	277.8	167.2	162.7	187.8	245.6	311.9	308.0	284.9	312.5	295.2
85°	266.9	229.6	125.4	130.5	171.0	237.3	308.0	297.1	275.9	283.6	273.3
87.5°	226.3	189.1	75.2	93.2	149.8	201.9	273.3	245.6	233.4	241.1	236.6
90°	212.8	167.2	42.4	65.6	112.5	134.4	172.3	160.1	155.0	164.0	162.0
92.5°	214.8	163.3	41.8	62.4	120.2	144.7	178.1	164.0	148.5	148.5	146.6
95°	205.1	152.4	41.2	49.5	108.7	140.8	167.2	147.3	119.6	113.8	111.9
97.5°	89.4	73.9	38.6	37.9	62.4	97.1	121.5	105.5	79.1	61.7	61.7
100°	14.8	23.8	33.4	36.7	36.7	51.4	68.8	64.9	37.9	19.9	20.6
102.5°	15.4	13.5	23.1	30.2	23.8	21.2	31.5	39.2	25.1	7.7	8.4
105°	16.1	14.1	11.6	21.2	13.5	7.1	9.6	18.0	11.6	7.7	7.7
107.5°	17.4	14.8	7.1	7.7	5.8	5.8	5.1	4.5	5.8	7.7	8.4



REPORT NUMBER: P415480

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	12.2	6.4	5.8	5.1	5.8	3.9	3.9	4.5	7.7	8.4
112.5°	7.7	7.7	5.8	4.5	4.5	5.1	3.2	3.2	4.5	8.4	8.4
115°	7.7	7.7	5.1	3.9	3.2	3.9	3.2	2.6	4.5	8.4	9.0
117.5°	7.7	7.7	5.1	3.9	3.2	2.6	2.6	2.6	4.5	8.4	9.0
120°	7.7	7.1	4.5	3.2	3.2	1.9	1.9	1.9	3.9	8.4	9.0
122.5°	7.1	7.1	4.5	3.2	2.6	1.9	1.9	1.9	3.9	7.7	8.4
125°	6.4	6.4	4.5	3.2	2.6	1.9	1.3	1.9	3.9	7.1	7.7
127.5°	5.8	5.8	3.9	3.2	2.6	1.9	1.3	1.9	3.9	7.1	7.7
130°	5.1	5.1	3.9	2.6	2.6	1.3	1.3	1.3	3.9	6.4	7.1
132.5°	4.5	4.5	3.2	2.6	1.9	1.3	0.6	1.3	3.2	5.8	5.8
135°	3.9	3.9	3.2	2.6	1.9	1.3	0.6	1.3	2.6	4.5	5.1
137.5°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.9	3.9
140°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.2	3.9
142.5°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.2	3.9
145°	3.9	3.2	3.2	2.6	1.9	1.3	0.6	1.3	2.6	3.9	3.9
147.5°	3.9	3.9	3.2	2.6	1.9	1.3	0.6	1.3	2.6	3.9	3.9
150°	3.9	3.9	3.2	2.6	1.9	0.6	0.0	0.6	1.9	3.2	3.9
152.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.0	1.3	2.6	2.6
155°	3.2	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	1.3	1.3
157.5°	2.6	2.6	1.9	1.3	0.6	0.6	0.0	0.0	0.0	0.6	0.6
160°	1.9	1.9	1.3	1.3	0.6	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)