

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: P414057

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414057
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-PA1-100-830-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 7523 lumens
Efficiency: N/A
Efficacy: 78.4 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: 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

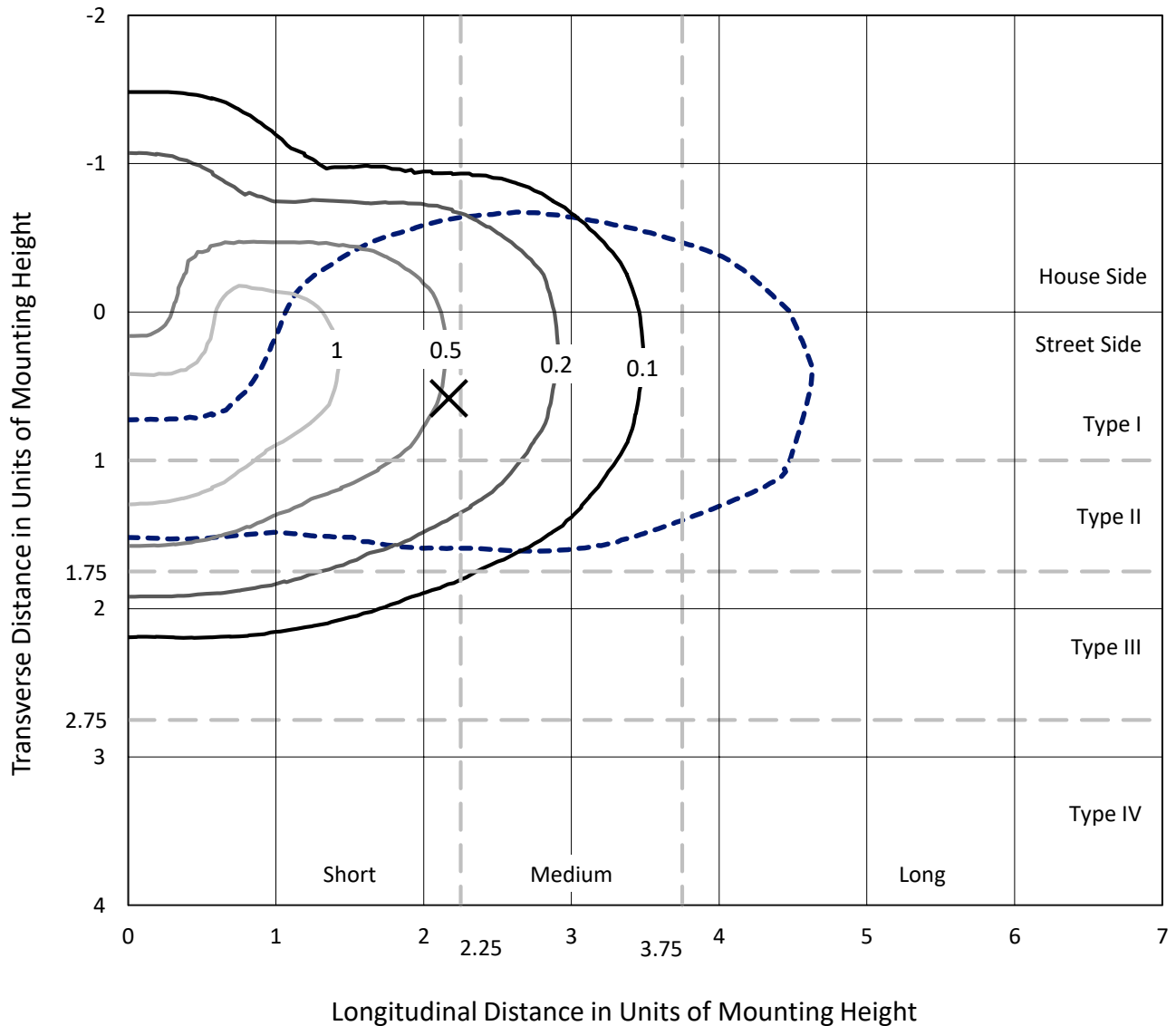


REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

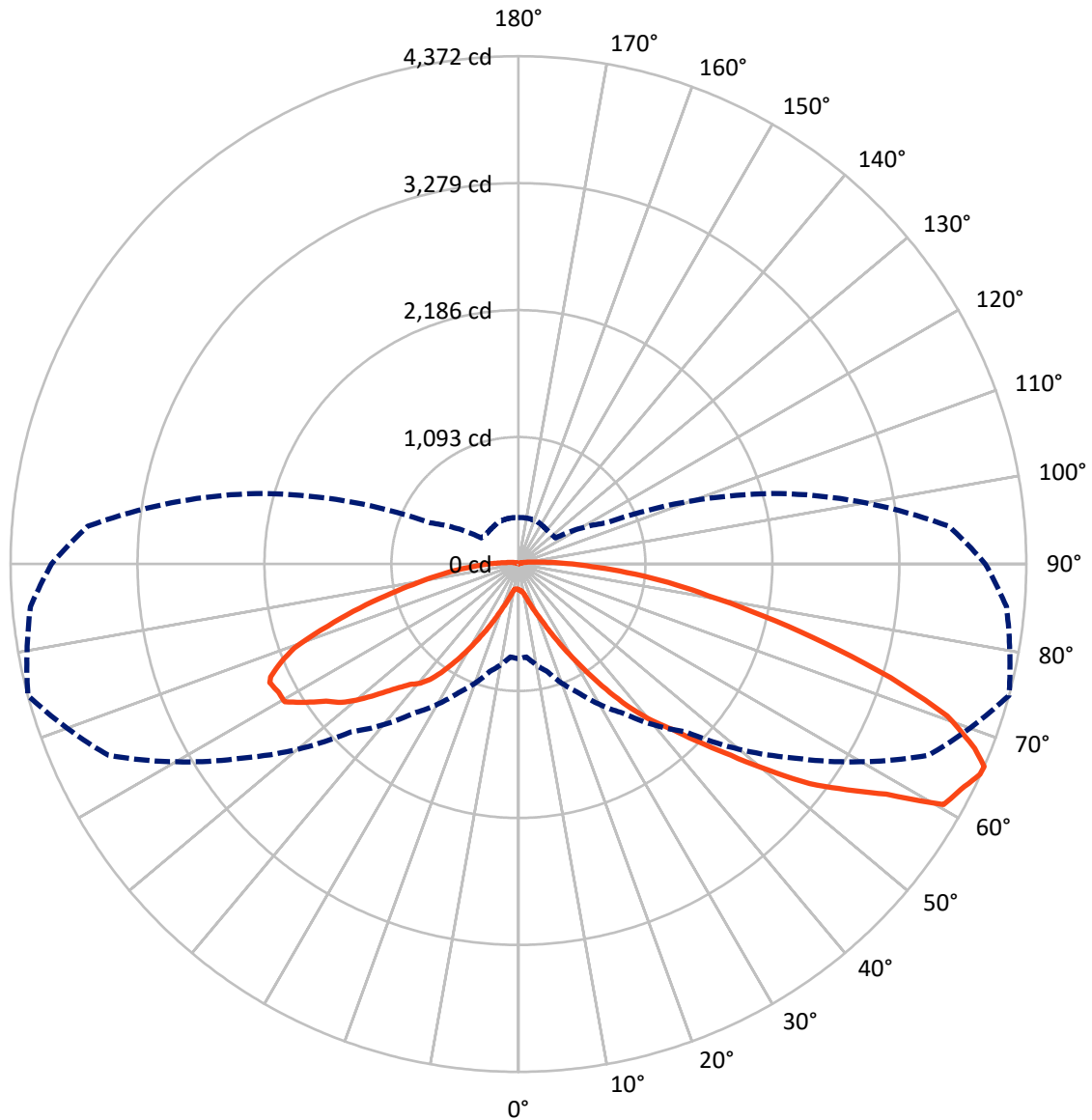
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414057
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

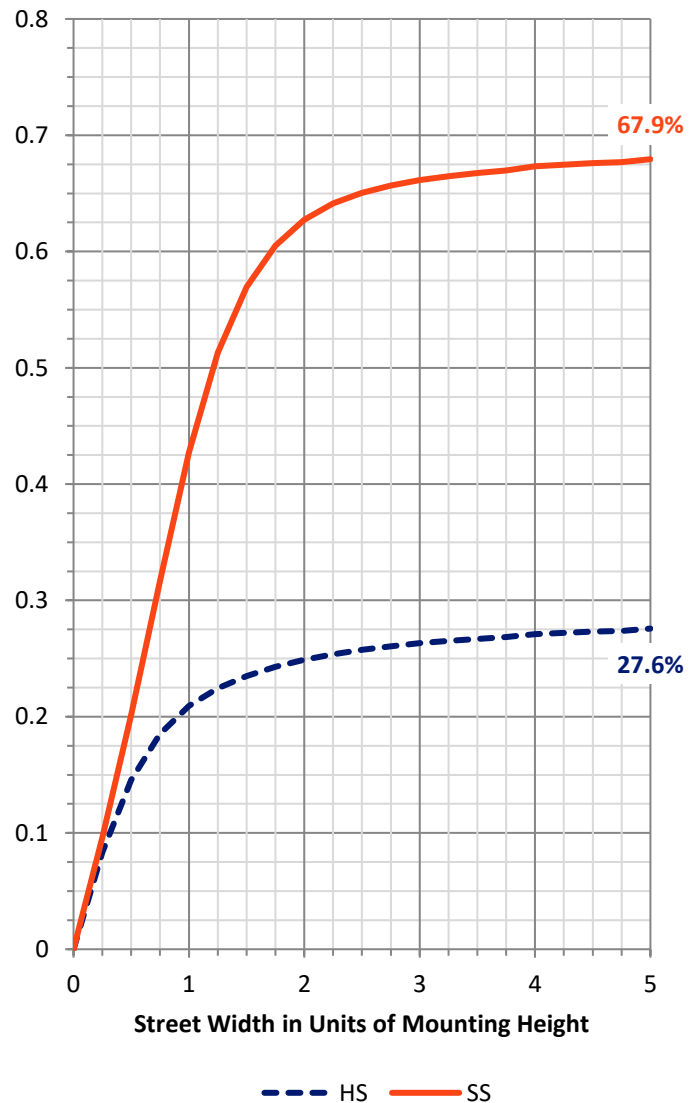
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2136.7	104.3	2241.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	5178.8	103.1	5282.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	7315.5	207.5	7523.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.3
10°-20°	94.5	1.3
20°-30°	286.7	3.8
30°-40°	709.2	9.4
40°-50°	1280.6	17.0
50°-60°	1730.4	23.0
60°-70°	1737.0	23.1
70°-80°	1049.1	13.9
80°-90°	405.6	5.4
90°-100°	120.5	1.6
100°-110°	43.5	0.6
110°-120°	21.1	0.3
120°-130°	12.4	0.2
130°-140°	7.4	0.1
140°-150°	2.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7315.5	97.2
0°-180°	7523.0	100.0



REPORT NUMBER: P414057

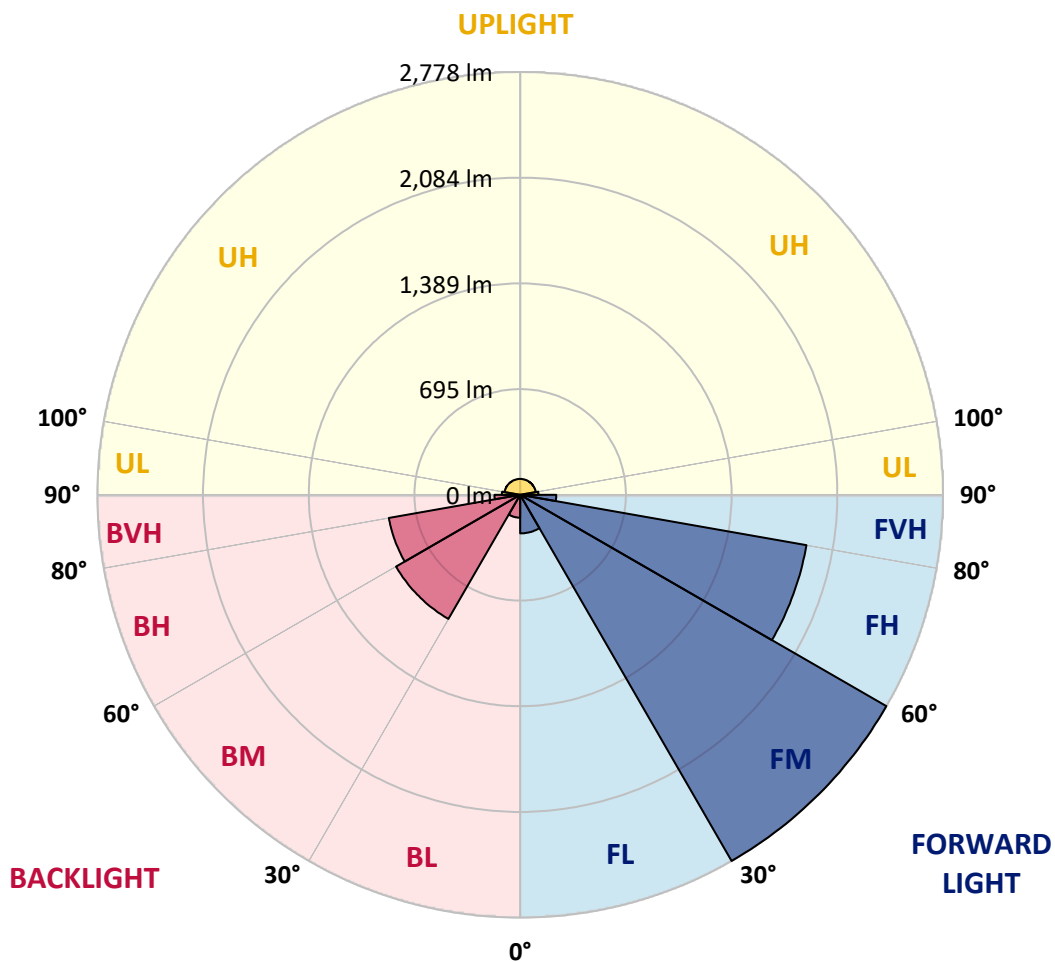
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.4	3.4			
FM	(30°-60°)	2778.4	36.9			
FH	(60°-80°)	1910.1	25.4			G2/5000
FVH	(80°-90°)	236.9	3.1			G3/500
BL	(0°-30°)	150.2	2.0	B1/500		
BM	(30°-60°)	941.9	12.5	B1/1000		
BH	(60°-80°)	876.0	11.6	B2/1000		G2/1000
BVH	(80°-90°)	168.7	2.2			G2/225
UL	(90°-100°)	120.5	1.6		U3/500	
UH	(100°-180°)	104.3	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	244.7	242.9	241.2	239.4	237.7	236.0	232.5	228.2	224.7	224.7	221.2
5°	267.2	265.5	262.9	259.4	255.9	252.5	245.5	238.6	231.6	231.6	225.6
7.5°	295.0	294.1	290.6	286.3	278.5	270.7	262.0	251.6	242.1	241.2	233.4
10°	330.5	328.8	323.6	317.5	308.9	298.4	286.3	273.3	259.4	258.5	249.0
12.5°	380.0	376.5	367.8	358.3	341.8	331.4	317.5	305.4	295.0	292.4	279.4
15°	444.2	439.9	430.3	413.8	392.1	373.1	365.2	352.2	341.0	337.5	325.3
17.5°	526.6	522.3	505.8	479.8	457.2	438.1	420.8	407.8	398.2	397.3	380.0
20°	639.4	629.0	602.1	565.7	536.2	512.7	488.4	473.7	464.1	460.7	450.3
22.5°	778.2	775.6	737.4	689.7	641.1	598.6	571.7	555.2	548.3	549.2	543.1
25°	955.2	947.4	910.9	841.5	768.7	714.9	677.6	667.2	666.3	660.2	657.6
27.5°	1144.3	1133.9	1086.2	1019.4	923.1	850.2	808.6	797.3	799.9	793.0	798.2
30°	1376.0	1370.8	1301.4	1204.2	1100.1	1004.6	961.3	951.7	957.8	966.5	961.3
32.5°	1662.3	1670.1	1575.5	1444.5	1298.7	1188.6	1140.9	1137.4	1146.1	1144.3	1141.7
35°	2011.0	2024.9	1893.9	1735.1	1534.7	1403.7	1343.9	1339.5	1356.9	1355.1	1356.9
37.5°	2384.1	2390.1	2283.4	2031.8	1798.5	1617.1	1567.7	1562.5	1579.0	1569.4	1559.9
40°	2678.2	2706.8	2581.9	2365.9	2061.3	1876.5	1816.7	1788.1	1773.3	1762.9	1693.5
42.5°	2956.7	2939.3	2850.8	2610.5	2331.2	2129.9	2050.1	1996.3	1948.6	1941.6	1865.3
45°	3138.9	3117.2	3033.0	2810.9	2548.9	2382.3	2308.6	2243.5	2189.7	2165.4	2073.5
47.5°	3149.3	3138.9	3118.9	2952.3	2723.3	2578.4	2554.1	2519.4	2460.4	2461.3	2343.3
50°	2990.5	2974.0	3032.1	2968.8	2810.1	2733.7	2825.7	2863.8	2788.4	2780.6	2658.2
52.5°	2709.4	2700.7	2806.6	2869.0	2812.7	2842.2	3060.8	3199.6	3140.6	3109.4	2951.5
55°	2424.9	2435.3	2527.2	2627.9	2720.7	2873.4	3269.0	3545.7	3429.5	3408.7	3211.7
57.5°	2037.0	2071.8	2208.8	2366.7	2512.5	2830.0	3378.3	3765.2	3735.7	3727.9	3559.6
60°	1611.9	1608.5	1811.5	2041.4	2280.8	2686.9	3384.4	4041.1	4205.1	4167.8	3930.1
62.5°	1251.9	1260.6	1406.3	1694.4	2015.4	2469.1	3301.1	4164.3	4273.6	4231.1	4023.8
65°	906.6	920.5	1098.3	1330.8	1693.5	2175.0	3064.2	3996.9	4366.5	4340.4	4223.3
66°	814.6	802.5	958.7	1222.4	1566.8	2044.9	2915.0	3895.4	4371.7	4356.9	4217.2
67.5°	655.0	670.6	791.2	1021.1	1362.9	1837.5	2645.2	3733.1	4236.3	4216.4	4122.7
70°	485.0	499.7	582.1	766.1	1034.1	1465.3	2187.1	3224.7	3917.1	3931.8	3921.4
72.5°	359.2	374.8	431.2	563.9	765.2	1089.7	1733.4	2718.1	3349.7	3384.4	3360.1
75°	279.4	285.4	332.3	425.1	559.6	767.8	1282.3	2106.5	2726.8	2791.0	2813.5
77.5°	224.7	229.9	268.1	327.9	419.0	560.4	898.8	1570.3	2158.5	2203.6	2246.1
80°	181.3	184.8	216.0	263.7	321.0	400.8	606.4	1140.9	1656.2	1682.2	1744.7
82.5°	145.8	148.4	170.9	211.7	256.8	304.5	431.2	796.4	1300.5	1324.8	1403.7
85°	114.5	116.3	136.2	168.3	206.5	241.2	311.5	563.1	937.0	959.5	1055.0
87.5°	90.2	92.0	107.6	131.0	166.6	190.9	229.9	379.1	632.5	664.6	773.0
90°	71.1	72.0	83.3	101.5	129.3	155.3	180.5	264.6	421.6	439.9	500.6
92.5°	53.8	54.7	63.3	77.2	100.6	123.2	137.9	183.1	269.8	277.6	321.0
95°	39.9	40.8	47.7	56.4	75.5	96.3	106.7	128.4	170.0	180.5	191.7
97.5°	31.2	32.1	36.4	41.6	55.5	75.5	85.0	94.6	116.3	119.7	128.4
100°	26.9	26.9	29.5	33.0	41.6	59.0	66.8	74.6	87.6	87.6	92.8
102.5°	22.6	22.6	24.3	26.0	33.8	46.8	53.8	59.0	65.9	66.8	71.1
105°	20.0	20.0	20.8	22.6	28.6	38.2	44.2	46.8	51.2	51.2	52.9
107.5°	17.4	17.4	18.2	19.1	25.2	32.1	35.6	36.4	38.2	38.2	40.8



REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	16.5	16.5	16.5	17.4	21.7	27.8	29.5	28.6	29.5	29.5	32.1
112.5°	15.6	14.7	14.7	15.6	20.0	24.3	24.3	23.4	23.4	23.4	26.0
115°	14.7	14.7	13.9	14.7	18.2	20.8	20.8	19.1	19.1	19.1	21.7
117.5°	14.7	14.7	13.9	13.9	16.5	19.1	18.2	16.5	15.6	16.5	19.1
120°	14.7	14.7	13.0	13.0	15.6	16.5	16.5	13.9	13.9	13.9	16.5
122.5°	14.7	14.7	13.0	13.0	14.7	15.6	14.7	12.1	12.1	12.1	14.7
125°	15.6	14.7	13.0	13.0	13.9	13.9	13.0	11.3	10.4	10.4	13.0
127.5°	15.6	15.6	13.9	13.0	13.0	13.0	12.1	10.4	9.5	9.5	12.1
130°	17.4	16.5	14.7	13.0	12.1	11.3	10.4	9.5	9.5	9.5	11.3
132.5°	17.4	17.4	14.7	12.1	11.3	10.4	9.5	7.8	8.7	8.7	10.4
135°	16.5	15.6	13.0	11.3	10.4	8.7	7.8	6.9	7.8	7.8	9.5
137.5°	14.7	13.9	12.1	9.5	8.7	6.9	6.1	5.2	6.1	6.1	7.8
140°	12.1	12.1	9.5	7.8	6.9	6.1	5.2	3.5	4.3	5.2	6.1
142.5°	10.4	9.5	7.8	6.1	5.2	4.3	3.5	2.6	3.5	3.5	4.3
145°	8.7	7.8	6.1	4.3	3.5	2.6	1.7	1.7	1.7	1.7	2.6
147.5°	6.9	6.1	4.3	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7
150°	5.2	5.2	3.5	1.7	0.9	0.9	0.0	0.9	0.9	0.9	0.9
152.5°	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	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



REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	220.4	218.6	216.9	215.2	213.4	212.6	210.0	208.2	208.2	208.2	207.3
5°	223.0	219.5	215.2	211.7	207.3	203.9	201.3	198.7	196.9	196.9	196.9
7.5°	229.0	225.6	217.8	210.8	204.7	199.5	196.1	193.5	192.6	191.7	191.7
10°	242.9	236.8	226.4	216.0	207.3	200.4	196.9	195.2	194.3	194.3	194.3
12.5°	274.2	265.5	249.9	232.5	217.8	207.3	203.9	203.9	209.1	211.7	211.7
15°	315.8	308.0	289.8	265.5	242.1	224.7	222.1	228.2	235.1	238.6	237.7
17.5°	373.1	362.6	338.4	306.3	275.0	257.7	249.9	255.9	264.6	268.9	268.9
20°	440.7	430.3	397.3	354.0	315.8	296.7	284.6	284.6	295.8	299.3	301.0
22.5°	533.6	517.9	471.1	411.2	361.8	332.3	317.5	314.9	327.9	334.0	332.3
25°	637.7	625.5	570.9	481.5	417.3	369.6	349.6	349.6	366.1	380.0	380.9
27.5°	783.4	753.0	676.7	567.4	471.1	404.3	382.6	386.9	404.3	418.2	418.2
30°	936.1	914.4	802.5	658.5	523.1	436.4	405.2	412.1	427.7	443.3	443.3
32.5°	1120.9	1084.5	946.5	748.7	570.9	457.2	417.3	426.8	445.1	460.7	460.7
35°	1301.4	1271.9	1091.4	843.3	612.5	465.9	422.5	433.8	454.6	473.7	475.4
37.5°	1511.3	1447.1	1232.8	928.3	642.9	467.6	420.8	440.7	468.5	490.2	491.0
40°	1637.1	1559.9	1328.2	991.6	656.7	461.5	420.8	445.9	469.4	477.2	476.3
42.5°	1786.3	1689.2	1395.0	999.4	639.4	449.4	419.9	439.9	450.3	450.3	449.4
45°	1986.7	1877.4	1500.9	1003.8	603.8	434.7	413.0	426.0	423.4	415.6	413.0
47.5°	2232.3	2099.5	1635.4	1019.4	569.1	419.9	405.2	408.6	396.5	379.1	378.3
50°	2525.5	2369.3	1793.3	1035.9	538.8	407.8	398.2	394.7	382.6	367.8	366.1
52.5°	2800.5	2612.2	1936.4	1047.2	513.6	399.9	393.0	392.1	380.0	360.9	359.2
55°	3049.5	2823.9	2032.7	1025.5	491.0	396.5	393.0	393.9	378.3	359.2	356.6
57.5°	3409.5	3162.3	2185.4	993.4	464.1	395.6	395.6	396.5	377.4	359.2	356.6
60°	3722.7	3447.7	2335.5	990.8	438.1	394.7	396.5	395.6	381.7	370.5	367.8
62.5°	3830.3	3568.3	2342.4	928.3	421.6	390.4	393.0	397.3	394.7	389.5	386.9
65°	4033.3	3747.0	2371.9	858.0	398.2	382.6	388.7	399.9	401.7	398.2	395.6
66°	4018.6	3721.9	2343.3	836.3	390.4	378.3	386.1	398.2	401.7	400.8	399.1
67.5°	3945.7	3656.8	2248.7	774.7	379.1	370.5	381.7	393.9	401.7	404.3	402.6
70°	3748.8	3460.7	2060.5	681.9	357.4	352.2	367.8	383.5	396.5	400.8	399.9
72.5°	3194.4	2920.2	1723.9	582.1	327.1	326.2	344.4	363.5	379.1	383.5	381.7
75°	2681.7	2411.8	1415.9	479.8	295.8	296.7	314.1	332.3	344.4	344.4	345.3
77.5°	2149.8	1921.7	1121.8	398.2	263.7	263.7	275.9	290.6	298.4	295.0	289.8
80°	1653.6	1502.6	876.2	333.1	231.6	229.9	236.0	247.3	253.3	245.5	239.4
82.5°	1335.2	1205.1	693.2	277.6	200.4	198.7	201.3	209.1	212.6	203.9	201.3
85°	1013.3	896.2	521.4	228.2	173.5	169.2	173.5	175.2	179.6	171.8	166.6
87.5°	716.6	635.1	378.3	190.0	148.4	145.8	144.9	146.6	149.2	144.0	141.4
90°	481.5	422.5	273.3	158.8	126.7	122.3	120.6	120.6	122.3	113.7	111.0
92.5°	308.9	273.3	190.0	126.7	105.8	100.6	97.2	98.0	97.2	88.5	86.8
95°	192.6	174.4	137.1	99.8	85.0	80.7	77.2	76.3	75.5	69.4	67.7
97.5°	125.8	119.7	102.4	78.9	67.7	64.2	62.5	61.6	61.6	57.3	54.7
100°	93.7	91.1	80.7	65.9	55.5	52.9	51.2	51.2	52.9	49.5	47.7
102.5°	72.9	73.7	65.9	55.5	46.8	45.1	43.4	43.4	45.1	43.4	42.5
105°	55.5	55.5	53.8	46.0	39.9	39.0	37.3	37.3	39.0	39.0	39.0
107.5°	43.4	45.1	43.4	38.2	34.7	33.8	32.1	32.1	33.8	34.7	35.6



REPORT NUMBER: P414057

CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.7	36.4	35.6	33.0	30.4	29.5	27.8	26.9	28.6	31.2	31.2
112.5°	27.8	29.5	29.5	27.8	26.0	26.0	24.3	23.4	25.2	27.8	27.8
115°	23.4	25.2	25.2	24.3	23.4	22.6	20.8	20.0	21.7	24.3	25.2
117.5°	20.0	21.7	21.7	21.7	20.8	20.0	18.2	17.4	18.2	20.8	21.7
120°	18.2	19.1	19.1	19.1	18.2	18.2	16.5	15.6	16.5	19.1	19.1
122.5°	15.6	16.5	17.4	17.4	16.5	16.5	14.7	13.0	13.9	16.5	17.4
125°	13.9	14.7	15.6	15.6	14.7	14.7	13.0	12.1	13.0	14.7	15.6
127.5°	13.0	13.9	13.9	13.9	13.9	13.0	11.3	10.4	11.3	13.9	13.9
130°	12.1	13.0	13.0	13.0	12.1	11.3	10.4	9.5	10.4	13.0	13.0
132.5°	11.3	12.1	12.1	11.3	11.3	10.4	8.7	7.8	9.5	11.3	11.3
135°	9.5	10.4	10.4	10.4	9.5	8.7	7.8	6.9	8.7	9.5	9.5
137.5°	7.8	8.7	8.7	8.7	7.8	6.9	6.1	6.1	6.9	8.7	8.7
140°	6.1	6.9	6.9	6.9	6.1	6.1	5.2	4.3	6.1	6.9	6.9
142.5°	4.3	5.2	5.2	5.2	4.3	4.3	3.5	3.5	5.2	6.1	6.1
145°	2.6	3.5	3.5	3.5	3.5	2.6	2.6	2.6	3.5	4.3	4.3
147.5°	1.7	2.6	2.6	2.6	2.6	1.7	0.9	1.7	2.6	3.5	3.5
150°	0.9	1.7	1.7	1.7	1.7	0.9	0.0	0.9	1.7	2.6	2.6
152.5°	0.9	0.9	1.7	1.7	0.9	0.9	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.0
157.5°	0.0	0.0	0.0	0.9	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)