

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: P416559

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6281 lumens
Efficiency: N/A
Efficacy: 84.9 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 - G2

Input Watts (W): 74
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

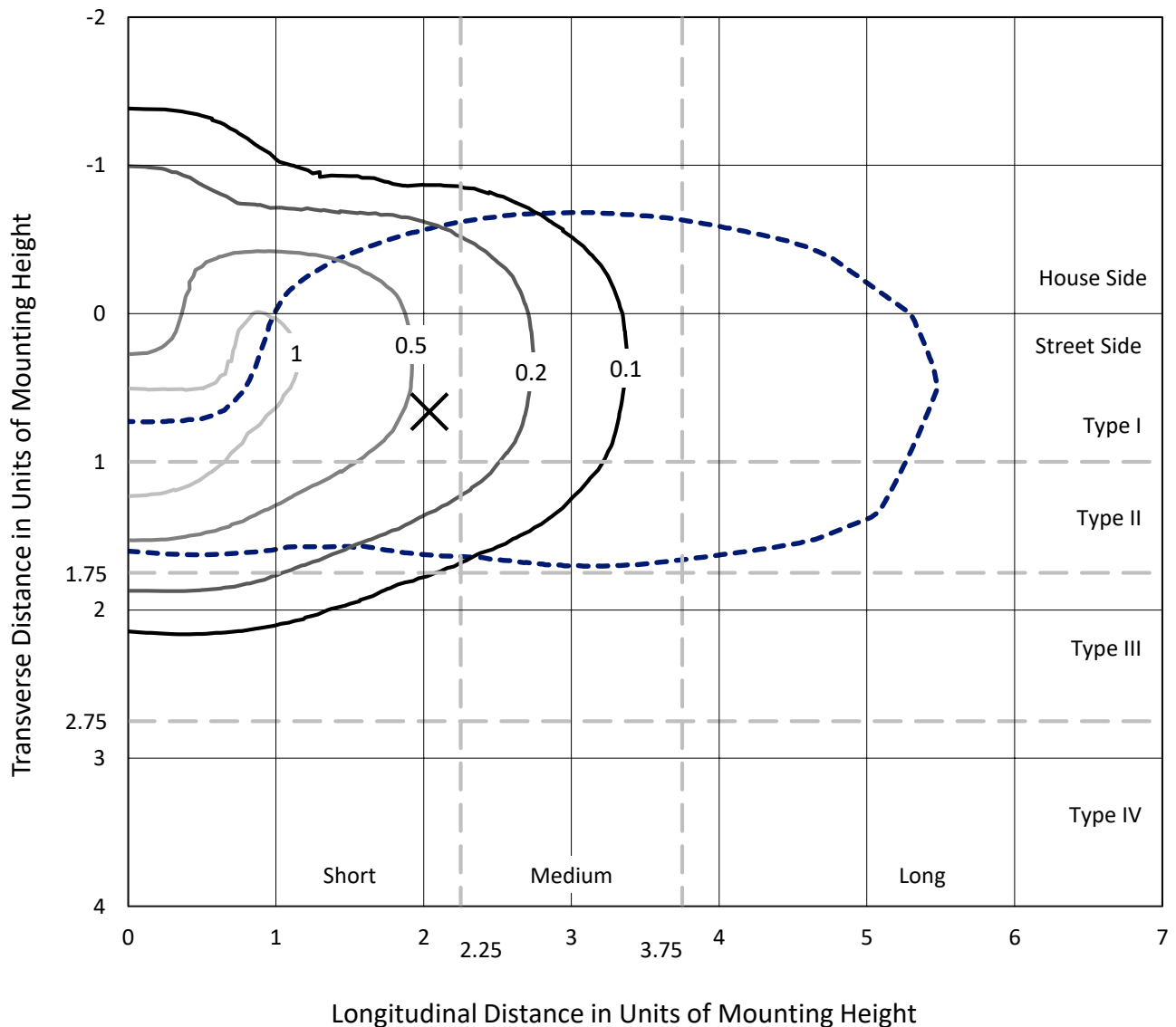


REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

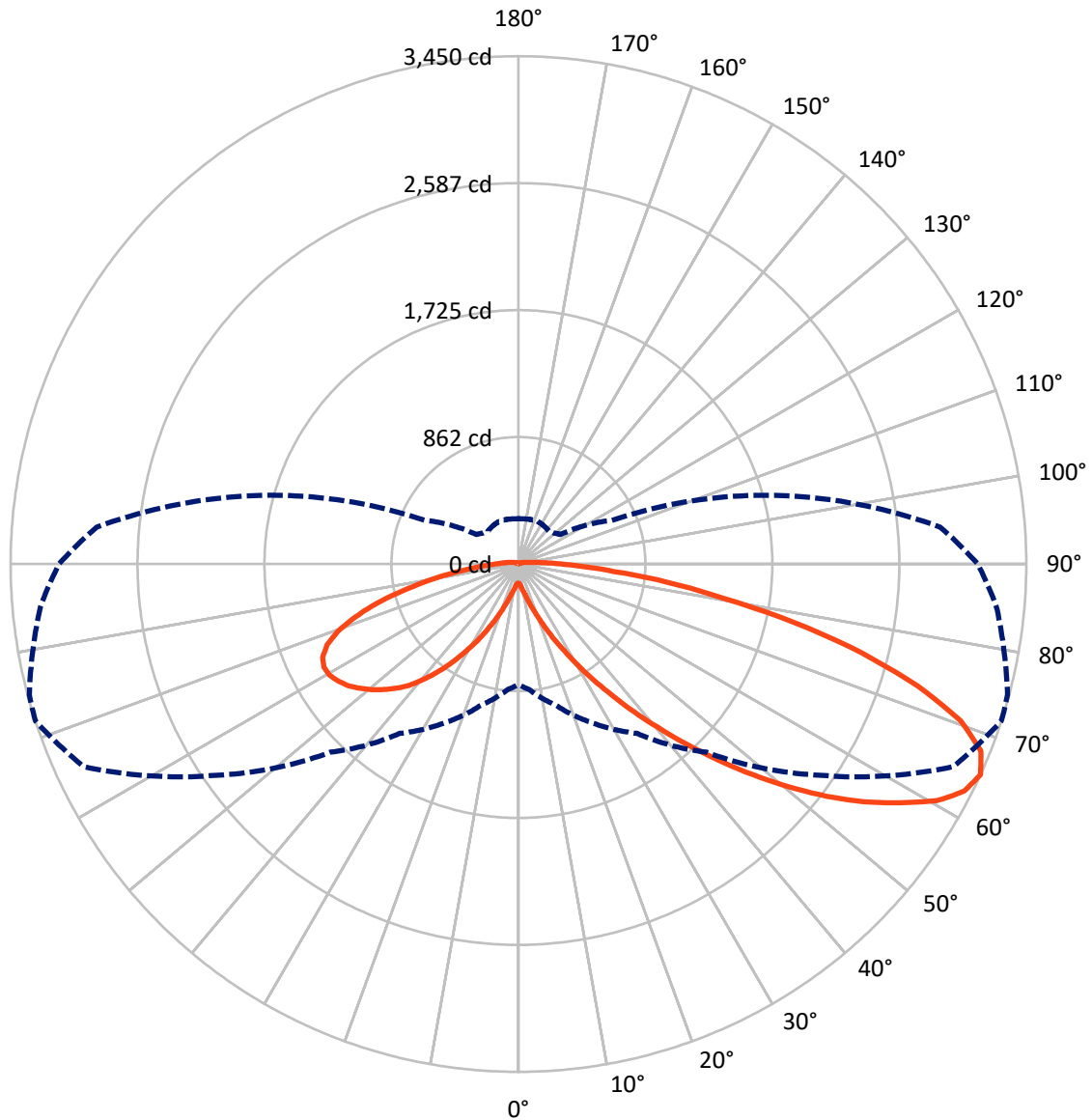


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1770.9	89.1	1860.0
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4334.1	86.9	4421.0
	% Fixture	69.0	1.4	70.4
Total	Lumens	6105.0	176.0	6281.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.2
10°-20°	76.0	1.2
20°-30°	240.7	3.8
30°-40°	576.7	9.2
40°-50°	1064.9	17.0
50°-60°	1451.0	23.1
60°-70°	1414.7	22.5
70°-80°	923.9	14.7
80°-90°	342.2	5.4
90°-100°	95.1	1.5
100°-110°	39.9	0.6
110°-120°	20.1	0.3
120°-130°	11.4	0.2
130°-140°	6.4	0.1
140°-150°	2.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6105.0	97.2
0°-180°	6281.0	100.0



REPORT NUMBER: P416559

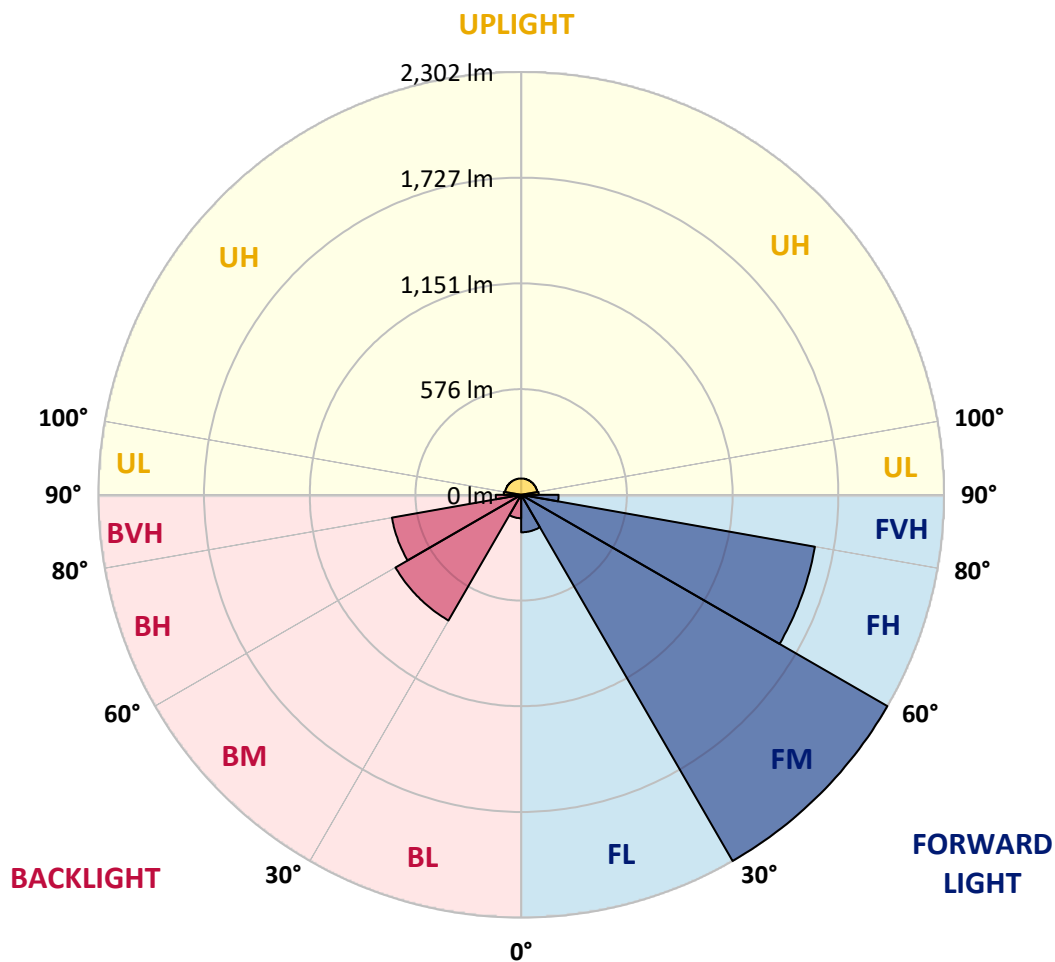
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.0	3.2			
FM (30°-60°)	2302.3	36.7			
FH (60°-80°)	1624.1	25.9			G1/1800
FVH (80°-90°)	203.7	3.2			G2/225
BL (0°-30°)	127.5	2.0	B1/500		
BM (30°-60°)	790.3	12.6	B1/1000		
BH (60°-80°)	714.5	11.4	B2/1000		G2/1000
BVH (80°-90°)	138.5	2.2			G2/225
UL (90°-100°)	95.1	1.5		U3/500	
UH (100°-180°)	89.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	144.7	143.9	142.5	141.8	141.8	140.3	138.9	136.7	135.2	134.5	133.0
5°	163.6	162.1	160.7	159.2	157.8	155.6	151.9	149.8	146.8	146.1	143.2
7.5°	190.5	189.0	184.6	183.2	181.0	178.1	173.7	169.4	166.5	164.3	159.9
10°	226.1	224.6	221.7	218.1	213.7	207.9	200.6	196.3	189.0	190.5	183.9
12.5°	274.8	271.2	267.5	261.7	253.0	246.4	236.3	231.9	223.9	223.9	215.9
15°	333.7	333.0	325.7	313.3	305.3	291.5	282.8	273.3	268.3	268.3	261.7
17.5°	410.0	404.9	399.1	382.4	364.2	347.5	335.9	329.3	323.5	322.0	313.3
20°	504.5	497.2	488.5	458.7	436.9	416.6	399.8	394.7	390.4	389.7	382.4
22.5°	624.5	609.2	593.2	564.1	529.2	493.6	482.0	470.3	471.1	472.5	455.8
25°	757.5	753.1	724.8	683.3	637.6	598.3	566.3	561.9	566.3	563.4	556.9
27.5°	928.3	913.8	878.2	825.1	752.4	706.6	672.4	669.5	670.3	673.9	663.0
30°	1127.5	1120.3	1075.2	986.5	892.7	831.7	794.6	789.5	798.2	798.9	782.2
32.5°	1362.3	1347.8	1278.7	1179.9	1051.9	974.1	932.0	930.5	940.0	942.1	929.1
35°	1600.1	1592.8	1524.5	1382.7	1242.4	1124.6	1081.7	1084.6	1091.2	1104.3	1089.0
37.5°	1874.1	1854.5	1766.5	1616.8	1439.4	1298.4	1252.6	1262.7	1272.9	1272.9	1251.8
40°	2132.9	2125.7	2033.3	1845.0	1632.8	1501.9	1451.8	1457.6	1456.8	1457.6	1429.9
42.5°	2372.8	2348.1	2266.7	2066.8	1848.0	1714.9	1654.6	1664.0	1672.8	1679.3	1609.5
45°	2534.9	2513.9	2441.9	2244.9	2051.5	1925.7	1886.5	1886.5	1896.7	1893.7	1824.7
47.5°	2592.4	2589.5	2535.7	2385.9	2208.5	2111.1	2113.3	2121.3	2136.6	2122.7	2023.9
50°	2565.5	2553.8	2544.4	2460.8	2338.7	2292.1	2335.7	2376.5	2377.9	2353.2	2227.4
52.5°	2396.8	2398.3	2446.2	2431.0	2375.0	2422.3	2555.3	2627.3	2620.7	2596.7	2445.5
55°	2140.2	2151.8	2235.4	2299.4	2333.6	2464.4	2718.1	2867.2	2852.6	2819.2	2665.8
57.5°	1798.5	1836.3	1948.3	2087.9	2210.0	2425.2	2806.8	3075.1	3059.8	3059.8	2885.3
60°	1435.0	1465.6	1630.6	1800.7	1993.3	2292.9	2815.5	3227.7	3264.8	3241.5	3040.9
62.5°	1113.0	1126.1	1296.9	1511.4	1717.8	2070.4	2715.2	3300.4	3398.6	3378.9	3180.5
65°	819.3	856.4	994.5	1190.8	1404.5	1808.0	2500.8	3257.5	3449.5	3439.3	3257.5
67.5°	609.2	625.9	741.5	923.2	1134.8	1481.6	2188.2	3070.0	3388.4	3397.1	3245.9
70°	456.5	460.9	551.0	700.8	881.1	1169.0	1824.0	2770.5	3185.6	3224.8	3142.0
72.5°	345.3	353.3	428.2	546.0	679.7	900.0	1441.6	2363.4	2839.5	2936.9	2905.7
75°	270.4	279.9	331.5	422.4	525.6	681.2	1091.2	1882.1	2405.5	2531.3	2566.2
77.5°	213.7	223.9	267.5	337.3	410.0	525.6	801.8	1408.1	1921.4	2047.1	2148.9
80°	167.9	175.2	213.7	265.3	322.8	388.2	561.9	1023.6	1411.0	1568.1	1661.1
82.5°	127.9	135.9	165.7	209.4	253.0	296.6	401.3	696.4	1023.6	1094.8	1253.3
85°	93.1	100.3	125.0	160.7	194.8	229.7	293.7	464.5	652.1	737.1	817.1
87.5°	68.3	71.2	93.1	119.2	149.8	173.7	211.5	296.6	414.4	456.5	523.4
90°	48.0	50.9	68.3	88.0	113.4	135.9	155.6	196.3	258.1	295.9	308.2
92.5°	35.6	37.8	50.9	66.2	87.2	105.4	117.8	138.9	167.9	183.9	194.1
95°	26.9	29.1	40.0	52.3	67.6	82.9	92.3	100.3	117.0	121.4	130.1
97.5°	21.8	23.3	32.7	42.9	54.5	68.3	73.4	77.8	83.6	88.0	91.6
100°	18.9	19.6	27.6	36.3	46.5	55.2	59.6	61.8	65.4	66.9	68.3
102.5°	16.7	16.7	24.0	31.3	40.0	46.5	50.2	50.2	50.9	51.6	50.9
105°	14.5	15.3	21.1	27.6	34.2	40.0	42.9	41.4	40.7	40.0	37.8
107.5°	13.8	13.8	18.9	24.7	30.5	34.9	37.1	34.2	32.7	31.3	29.1
110°	12.4	13.1	16.7	21.8	26.9	30.5	32.0	29.1	26.2	24.7	22.5



REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.6	12.4	15.3	19.6	24.0	27.6	27.6	24.7	21.1	19.6	18.2
115°	11.6	11.6	13.8	17.4	21.8	24.7	24.7	21.1	17.4	16.0	15.3
117.5°	11.6	11.6	13.1	16.0	19.6	21.8	21.8	18.2	14.5	13.1	13.1
120°	10.9	10.9	12.4	14.5	18.2	19.6	18.9	16.0	12.4	11.6	11.6
122.5°	10.9	10.9	11.6	13.8	16.7	18.2	17.4	13.8	10.9	9.5	10.2
125°	11.6	10.9	11.6	13.1	15.3	16.0	15.3	11.6	9.5	8.7	9.5
127.5°	11.6	11.6	10.9	12.4	13.8	14.5	13.8	10.2	8.0	8.0	8.7
130°	11.6	11.6	10.9	11.6	12.4	13.1	11.6	8.7	7.3	7.3	8.0
132.5°	11.6	11.6	10.9	10.9	11.6	11.6	10.2	7.3	6.5	6.5	7.3
135°	11.6	11.6	10.2	10.2	10.2	10.2	8.7	6.5	5.8	5.8	6.5
137.5°	10.9	10.9	10.2	9.5	9.5	8.7	7.3	5.1	4.4	5.1	5.8
140°	10.2	10.2	9.5	8.0	8.0	7.3	5.8	4.4	3.6	4.4	4.4
142.5°	9.5	9.5	8.7	7.3	6.5	5.8	5.1	2.9	2.9	2.9	3.6
145°	8.7	8.7	8.0	5.8	5.1	4.4	3.6	2.2	2.2	2.2	2.9
147.5°	7.3	7.3	6.5	5.1	3.6	3.6	2.2	1.5	2.2	2.2	2.2
150°	5.8	5.8	5.1	3.6	2.9	2.2	0.7	1.5	1.5	1.5	2.2
152.5°	5.1	5.1	3.6	2.9	1.5	0.7	0.7	0.7	1.5	1.5	1.5
155°	3.6	3.6	2.9	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	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: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
2.5°	131.6	131.6	130.9	130.1	129.4	128.7	127.2	126.5	126.5	125.8	125.8
5°	141.8	141.0	138.9	136.7	133.8	132.3	130.1	128.7	127.9	127.2	127.2
7.5°	157.8	156.3	151.9	148.3	144.7	141.8	138.1	135.9	135.2	133.0	133.8
10°	180.3	178.1	173.0	166.5	159.9	155.6	150.5	147.6	146.1	144.7	143.2
12.5°	213.0	208.6	199.9	191.2	181.7	173.0	167.9	165.7	167.2	166.5	167.2
15°	258.1	250.1	237.0	223.9	207.2	196.3	194.8	194.1	194.1	194.8	196.3
17.5°	309.0	300.2	283.5	259.5	239.9	229.0	222.5	221.7	225.4	226.1	225.4
20°	375.8	367.1	340.9	308.2	279.9	262.4	253.7	253.7	258.8	260.3	263.2
22.5°	447.8	442.7	407.1	362.0	324.2	295.9	283.5	285.0	292.2	294.4	295.9
25°	548.1	527.8	484.2	422.4	367.8	330.0	313.3	314.0	322.0	327.9	330.0
27.5°	658.6	635.4	571.4	490.7	411.5	358.4	339.5	340.2	349.7	356.9	358.4
30°	777.1	753.9	670.3	558.3	452.2	383.8	358.4	359.1	370.0	378.0	379.5
32.5°	903.6	884.7	767.7	631.0	487.8	401.3	370.8	371.5	380.9	388.2	389.7
35°	1063.6	1020.7	883.3	695.7	517.6	412.2	376.6	375.8	385.3	392.6	394.0
37.5°	1221.3	1175.5	993.0	756.0	535.0	415.1	375.1	375.1	382.4	388.2	388.9
40°	1392.9	1316.5	1108.6	803.3	541.6	410.7	370.8	370.0	375.8	378.7	379.5
42.5°	1577.5	1483.7	1222.0	841.1	538.7	401.3	362.8	363.5	365.7	365.7	364.9
45°	1744.0	1648.8	1319.4	865.8	528.5	388.9	353.3	354.0	354.8	348.9	348.9
47.5°	1939.5	1824.0	1411.0	871.6	508.2	376.6	346.0	347.5	343.9	335.9	334.4
50°	2124.9	1996.3	1503.4	869.5	487.1	363.5	338.8	340.2	333.7	322.8	320.6
52.5°	2331.4	2166.4	1590.6	858.5	461.6	351.9	333.7	335.1	327.9	314.8	312.6
55°	2534.9	2346.7	1670.6	839.6	439.8	339.5	328.6	332.2	322.8	309.7	309.0
57.5°	2729.0	2525.5	1736.7	812.0	416.6	330.8	325.0	329.3	320.6	307.5	306.8
60°	2902.1	2677.4	1789.8	785.1	391.1	322.0	321.3	327.1	319.1	308.2	307.5
62.5°	3023.5	2814.1	1813.8	748.8	370.8	312.6	317.0	322.8	317.0	308.2	308.2
65°	3120.1	2875.2	1804.3	700.8	348.9	302.4	311.1	317.0	313.3	307.5	308.2
67.5°	3102.0	2873.7	1742.5	643.4	328.6	291.5	301.0	309.0	306.1	303.9	303.1
70°	2990.0	2737.8	1624.0	580.8	307.5	277.7	288.6	296.6	295.9	295.1	295.1
72.5°	2759.6	2502.2	1446.7	508.9	285.7	263.2	272.6	279.9	281.3	280.6	278.4
75°	2458.6	2178.0	1240.9	441.3	263.2	245.7	255.9	260.3	262.4	261.0	261.0
77.5°	2017.3	1816.0	986.5	372.9	239.2	226.1	233.4	237.0	239.9	236.3	234.1
80°	1603.0	1381.2	759.0	304.6	213.0	204.3	207.9	209.4	212.3	208.6	204.3
82.5°	1125.3	984.3	550.3	248.6	186.8	179.6	181.7	181.0	182.5	177.4	171.6
85°	751.7	661.5	378.7	199.9	159.9	153.4	153.4	151.2	149.8	144.7	140.3
87.5°	471.8	418.7	260.3	157.8	134.5	129.4	126.5	122.1	120.7	117.0	112.0
90°	290.8	267.5	181.7	126.5	112.0	107.6	104.7	98.1	97.4	91.6	88.0
92.5°	190.5	174.5	134.5	102.5	93.8	89.4	85.8	80.0	79.2	74.9	72.7
95°	125.8	122.1	102.5	85.8	79.2	75.6	72.0	66.9	65.4	61.1	58.2
97.5°	92.3	92.3	84.3	72.7	67.6	64.0	61.8	57.4	54.5	50.2	48.7
100°	69.8	70.5	67.6	62.5	58.2	54.5	52.3	48.7	46.5	42.2	41.4
102.5°	53.8	55.2	56.0	53.1	50.2	47.3	45.1	42.2	39.3	34.9	34.2
105°	41.4	42.9	45.8	45.1	43.6	41.4	39.3	36.3	32.7	29.1	29.1
107.5°	32.0	33.4	37.8	38.5	37.8	35.6	34.2	31.3	28.4	24.7	24.7
110°	24.7	26.9	31.3	32.7	32.7	31.3	29.8	26.9	23.3	21.1	21.1



REPORT NUMBER: P416559

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.4	22.5	26.2	28.4	28.4	27.6	25.4	22.5	19.6	18.2	18.2
115°	16.7	18.9	22.5	24.7	24.7	24.0	22.5	19.6	16.7	16.0	16.0
117.5°	14.5	16.0	18.9	21.1	21.8	21.1	19.6	16.7	14.5	14.5	14.5
120°	13.1	14.5	16.7	18.2	18.9	18.2	16.7	14.5	12.4	13.1	13.1
122.5°	11.6	12.4	14.5	16.7	16.7	16.7	15.3	12.4	10.9	11.6	11.6
125°	10.2	11.6	13.1	14.5	15.3	14.5	13.1	10.9	9.5	10.2	10.9
127.5°	9.5	10.2	11.6	13.1	13.1	13.1	11.6	9.5	8.7	9.5	9.5
130°	8.7	9.5	10.2	11.6	11.6	11.6	10.2	8.0	8.0	8.7	8.7
132.5°	8.0	8.7	9.5	10.2	10.2	10.2	8.7	7.3	6.5	8.0	8.0
135°	7.3	7.3	8.0	8.7	8.7	8.7	7.3	5.8	5.8	7.3	7.3
137.5°	5.8	6.5	7.3	7.3	7.3	7.3	5.8	5.1	5.1	5.8	5.8
140°	5.1	5.1	5.8	5.8	5.8	5.8	5.1	3.6	4.4	5.1	5.1
142.5°	4.4	4.4	5.1	5.1	5.1	4.4	3.6	2.9	3.6	4.4	4.4
145°	2.9	3.6	3.6	3.6	3.6	2.9	2.2	2.2	2.9	3.6	3.6
147.5°	2.9	2.9	2.9	2.9	2.9	2.2	1.5	1.5	2.2	2.9	2.9
150°	2.2	2.2	2.9	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2
152.5°	1.5	1.5	2.2	2.2	1.5	0.7	0.0	0.0	0.7	0.7	0.7
155°	1.5	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	0.7	0.7	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)