

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: P416572

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416572
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-PA1-70-830-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 6542 lumens
Efficiency: N/A
Efficacy: 88.4 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: B2 - U3 - G3

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

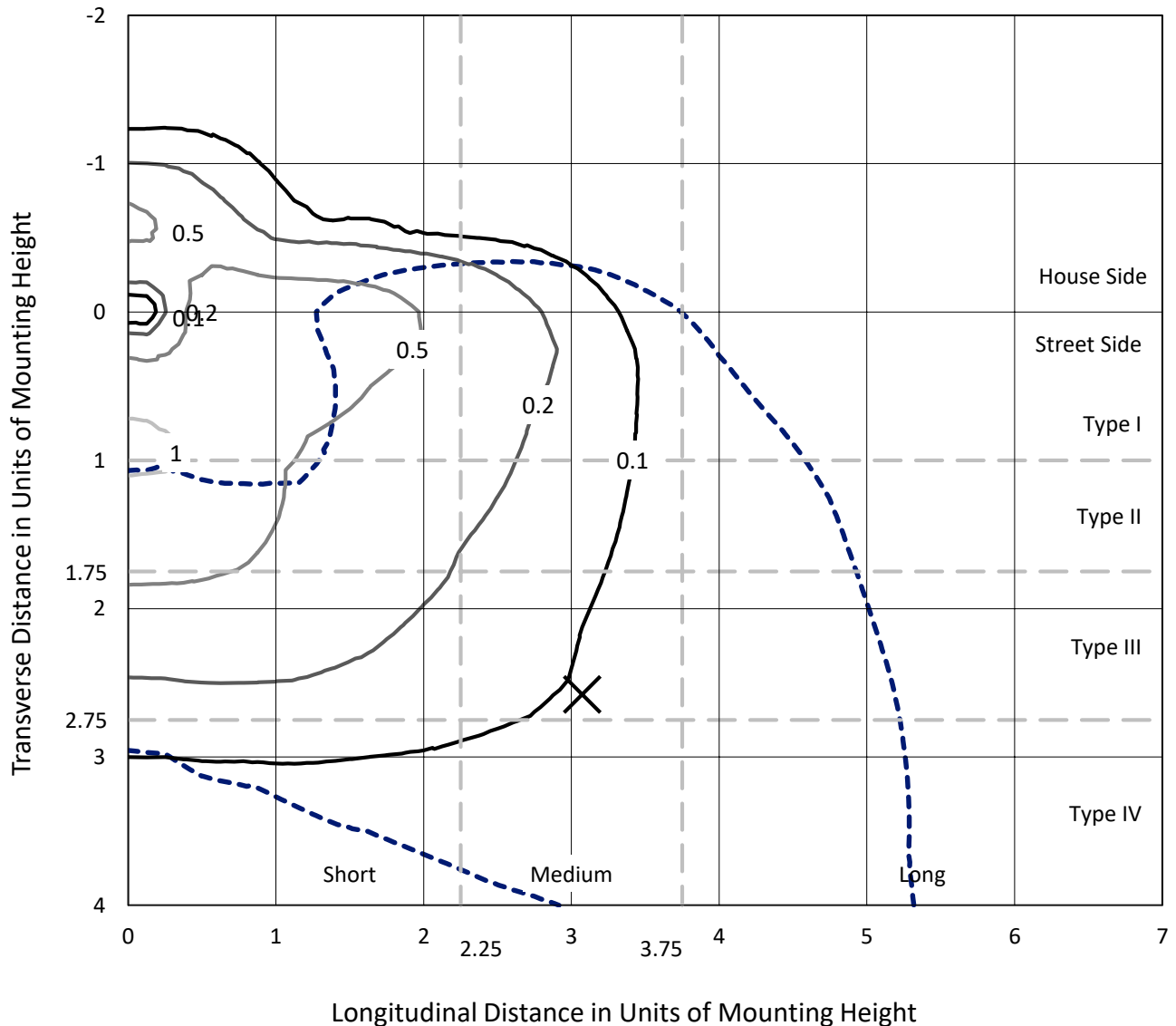


REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

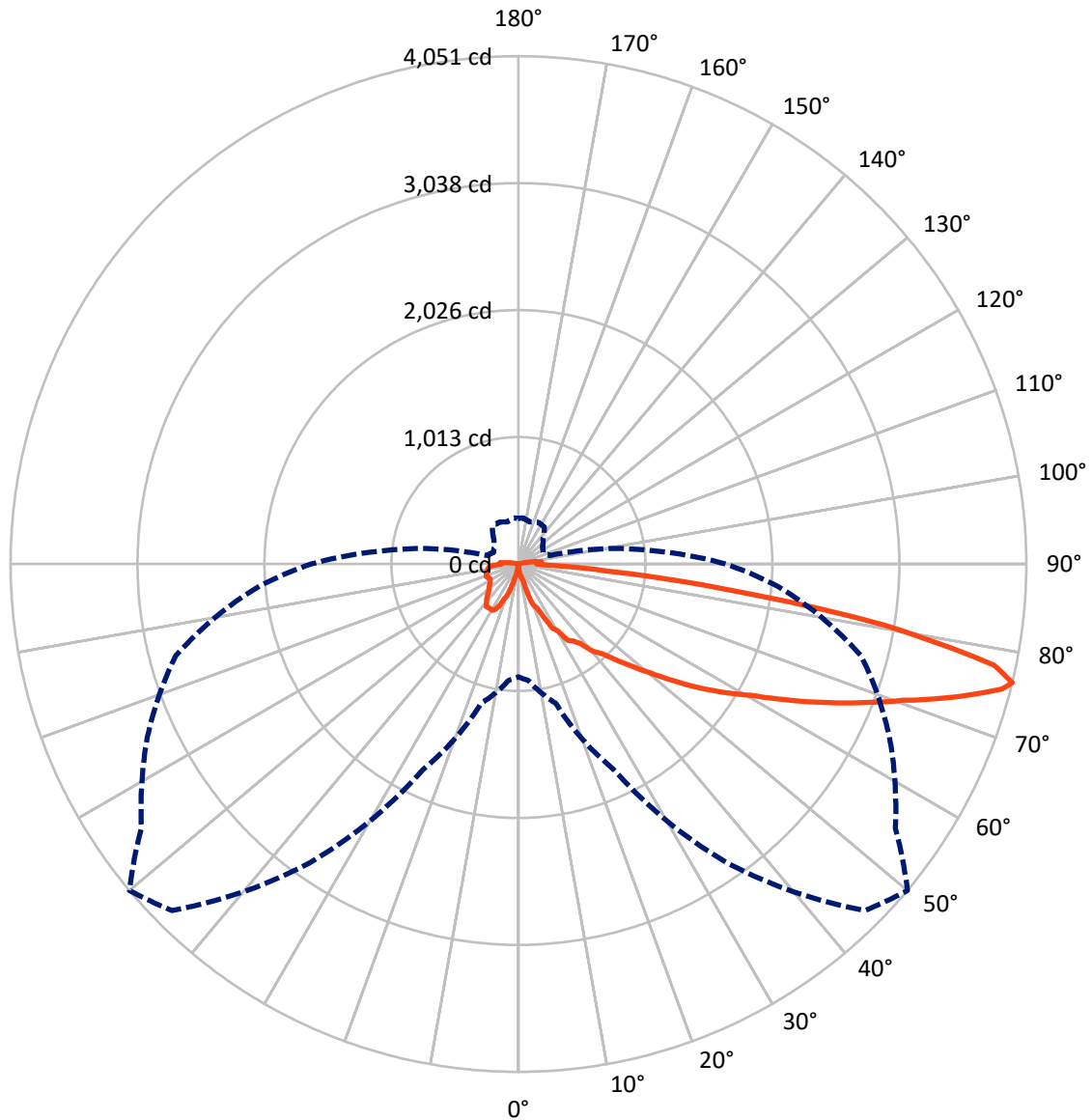


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1427.8	80.5	1508.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4969.2	64.6	5033.8
	% Fixture	76.0	1.0	76.9
Total	Lumens	6397.0	145.0	6542.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	54.6	0.8
20°-30°	213.4	3.3
30°-40°	459.4	7.0
40°-50°	748.4	11.4
50°-60°	1204.8	18.4
60°-70°	1754.9	26.8
70°-80°	1565.7	23.9
80°-90°	392.2	6.0
90°-100°	114.9	1.8
100°-110°	17.0	0.3
110°-120°	4.9	0.1
120°-130°	3.4	0.1
130°-140°	2.2	0.0
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6397.0	97.8
0°-180°	6542.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416572

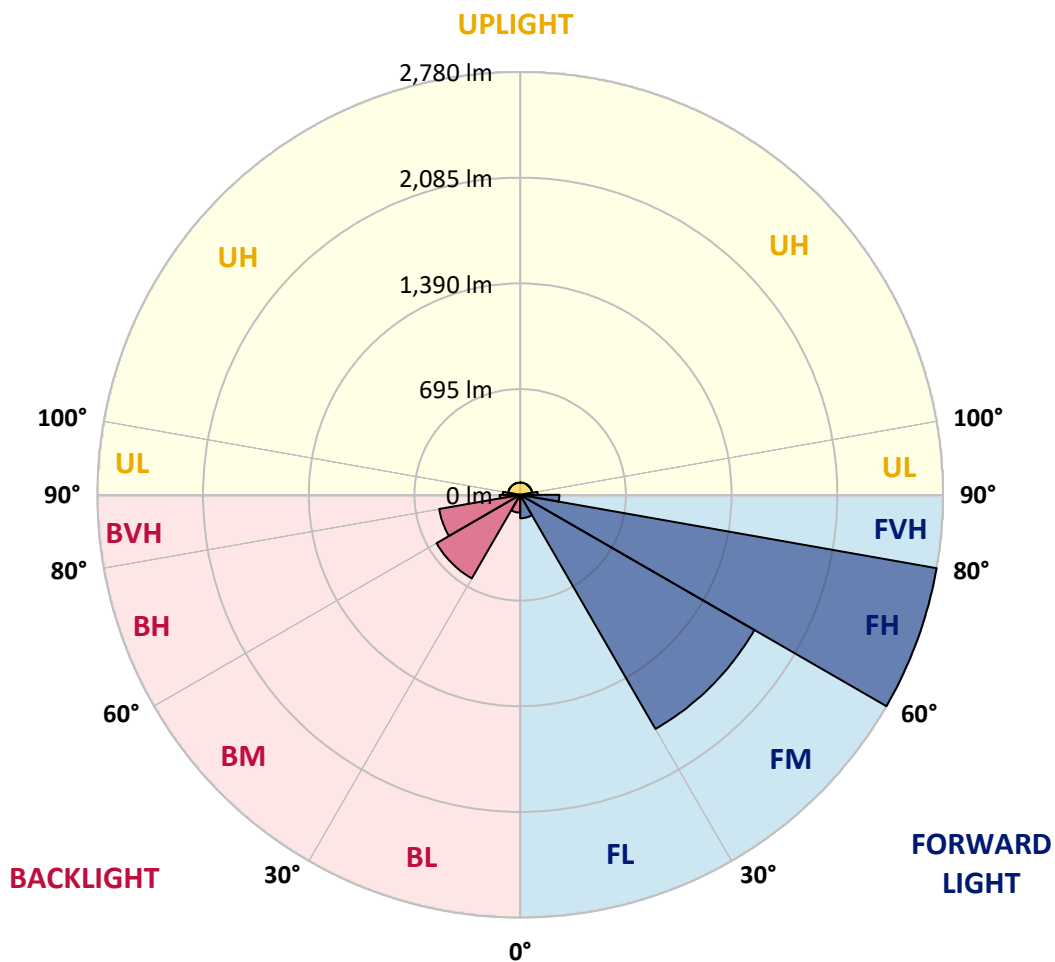
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.3	2.4			
FM	(30°-60°)	1777.7	27.2			
FH	(60°-80°)	2779.7	42.5			G2/5000
FVH	(80°-90°)	257.5	3.9			G3/500
BL	(0°-30°)	117.4	1.8	B1/500		
BM	(30°-60°)	634.9	9.7	B1/1000		
BH	(60°-80°)	540.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	134.7	2.1			G2/225
UL	(90°-100°)	114.9	1.8		U3/500	
UH	(100°-180°)	80.5	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	9.5	7.3	6.5	5.8	5.8	5.1	5.1	4.4	4.4	4.4	4.4
5°	91.6	88.7	82.2	76.3	26.2	21.8	18.2	13.8	5.1	5.1	4.4
7.5°	109.8	107.6	103.2	100.3	96.0	89.4	82.2	38.5	15.3	5.8	5.1
10°	144.0	133.1	124.3	117.1	112.0	101.1	98.2	92.3	25.4	10.9	8.0
12.5°	257.4	251.6	242.8	165.0	136.0	116.3	112.0	106.9	82.9	39.3	70.5
15°	283.5	277.7	269.0	258.1	242.1	143.2	134.5	167.2	213.8	160.7	167.9
17.5°	333.0	330.1	306.8	280.6	264.6	281.4	282.1	255.9	242.8	212.3	193.4
20°	461.7	458.8	445.7	378.8	299.5	355.5	354.1	341.0	272.6	313.4	337.4
22.5°	480.6	476.9	465.3	447.1	474.0	389.7	380.2	380.2	402.1	426.1	397.0
25°	632.5	628.9	540.2	470.4	508.2	463.9	465.3	514.8	445.0	467.5	446.4
27.5°	660.9	655.8	648.5	602.0	535.1	587.5	579.5	552.6	578.7	645.6	623.1
30°	771.4	715.4	691.4	664.5	631.8	622.4	618.7	667.4	686.3	682.0	688.5
32.5°	895.0	892.8	869.6	708.9	714.7	668.9	727.8	749.6	720.5	828.1	897.2
35°	1075.3	1001.1	956.1	849.2	743.8	773.6	753.2	775.8	875.4	885.5	951.7
37.5°	1351.6	1347.2	1244.0	937.2	857.9	791.8	806.3	868.8	934.3	948.8	1038.2
40°	1579.9	1558.8	1493.4	1168.4	932.8	856.5	914.6	900.8	969.9	1020.8	1106.6
42.5°	1749.3	1768.9	1731.8	1352.3	1083.3	959.0	976.4	958.3	1022.2	1117.5	1204.7
45°	1911.4	1903.4	1928.9	1539.2	1228.0	1090.6	1089.1	1044.8	1118.2	1225.1	1340.0
47.5°	2043.7	2032.1	2058.3	1742.0	1394.5	1209.8	1220.0	1162.6	1233.1	1359.6	1540.6
50°	2191.3	2168.8	2186.2	1912.1	1611.9	1382.1	1368.3	1324.0	1363.9	1536.3	1785.6
52.5°	2368.7	2352.7	2321.5	2081.5	1835.8	1559.5	1542.1	1499.2	1542.8	1755.8	2056.8
55°	2528.0	2509.8	2484.3	2314.9	2021.9	1739.8	1740.6	1697.7	1782.7	1995.8	2371.6
57.5°	2693.7	2685.0	2698.1	2575.9	2288.0	1928.1	1932.5	1906.3	2059.0	2242.2	2705.4
60°	2831.1	2818.0	2890.8	2842.8	2524.3	2143.3	2125.9	2154.3	2341.1	2499.6	3043.4
62.5°	2883.5	2892.2	3029.6	3088.5	2753.3	2375.3	2381.8	2420.4	2602.1	2807.9	3369.2
65°	2637.7	2668.3	3052.2	3131.4	3008.5	2632.7	2663.9	2657.4	2869.7	3034.7	3644.0
67.5°	2370.9	2405.8	2823.1	3142.3	3206.3	2935.1	2951.1	2886.4	3100.1	3176.5	3849.0
70°	2181.9	2208.8	2551.9	3080.5	3327.7	3250.6	3257.9	3138.0	3267.4	3343.0	3841.7
72.5°	1854.7	1883.1	2200.1	2847.1	3403.3	3633.1	3633.1	3368.4	3402.6	3339.3	3392.4
75°	1253.4	1264.3	1523.9	2210.2	3207.7	3945.0	3982.8	3620.0	3356.1	3033.3	2530.1
76°	900.1	933.5	1150.9	1814.7	2913.3	3909.4	4051.1	3670.9	3265.2	2830.4	2082.3
77.5°	476.9	507.5	679.1	1161.8	2362.9	3635.3	3880.3	3514.6	2977.3	2429.8	1539.9
80°	186.9	184.7	233.4	413.7	1196.7	2765.0	2969.3	2590.5	2013.9	1407.6	731.4
82.5°	102.5	112.7	148.3	218.8	519.1	1525.4	1677.3	1366.9	1028.0	649.3	427.5
85°	65.4	66.9	87.2	135.2	320.6	642.7	706.0	585.3	481.3	398.4	303.9
87.5°	39.3	40.7	45.8	62.5	158.5	189.0	206.5	242.8	276.3	274.1	262.5
90°	26.9	26.9	22.5	24.7	74.2	151.2	145.4	154.9	141.0	178.9	253.0
92.5°	26.2	26.2	21.8	22.5	63.3	167.9	168.7	167.9	149.0	182.5	266.1
95°	23.3	24.0	18.9	19.6	46.5	157.0	184.7	178.9	150.5	183.9	265.4
97.5°	19.6	20.4	14.5	16.7	31.3	106.1	137.4	140.3	93.8	93.1	120.0
100°	14.5	15.3	10.2	13.1	18.9	48.7	73.4	69.1	46.5	25.4	16.7
102.5°	13.8	14.5	8.7	10.2	11.6	16.7	26.9	20.4	17.4	14.5	14.5
105°	15.3	15.3	8.0	7.3	7.3	8.0	6.5	9.5	10.2	10.9	15.3
107.5°	13.1	13.8	5.8	5.8	5.1	5.1	4.4	4.4	5.8	9.5	16.7



REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	10.2	10.2	5.1	5.1	3.6	4.4	4.4	3.6	5.1	7.3	13.1
112.5°	5.8	6.5	2.9	4.4	2.9	3.6	3.6	2.9	4.4	5.1	7.3
115°	5.8	5.8	2.9	2.2	2.2	2.2	2.9	2.9	3.6	5.1	8.0
117.5°	5.8	5.8	2.9	2.2	1.5	2.2	2.2	2.2	3.6	5.1	8.0
120°	5.8	5.8	2.9	1.5	1.5	1.5	1.5	2.2	3.6	5.1	8.0
122.5°	6.5	5.8	2.9	1.5	1.5	1.5	1.5	2.2	3.6	5.1	7.3
125°	6.5	5.8	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	6.5
127.5°	6.5	5.8	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	5.8
130°	5.8	5.8	2.9	1.5	1.5	1.5	1.5	2.2	2.9	4.4	5.8
132.5°	5.8	5.1	2.9	1.5	1.5	1.5	1.5	2.2	2.9	3.6	5.1
135°	5.1	4.4	2.9	1.5	2.2	1.5	2.2	2.2	2.9	3.6	4.4
137.5°	4.4	4.4	2.9	2.2	2.2	2.2	2.2	2.2	2.9	3.6	3.6
140°	5.1	4.4	2.9	2.9	2.2	2.2	2.2	2.2	2.9	3.6	3.6
142.5°	5.8	5.1	3.6	2.9	2.9	2.2	2.2	2.9	2.9	3.6	3.6
145°	5.8	5.8	4.4	3.6	2.2	2.2	2.2	2.9	3.6	3.6	4.4
147.5°	6.5	5.8	4.4	3.6	2.2	1.5	2.2	2.2	3.6	4.4	4.4
150°	5.8	5.8	3.6	2.9	1.5	0.7	1.5	2.2	3.6	4.4	4.4
152.5°	4.4	4.4	2.9	1.5	0.7	0.7	1.5	2.2	2.9	3.6	4.4
155°	2.9	2.9	1.5	0.7	0.0	0.7	0.7	1.5	2.2	2.9	3.6
157.5°	1.5	1.5	0.7	0.0	0.0	0.7	0.7	1.5	2.2	2.9	2.9
160°	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5	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: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.4	3.6	3.6	2.9	2.9	2.2	2.2	2.2	2.2	2.9	3.6
5°	4.4	4.4	3.6	3.6	3.6	2.9	2.9	4.4	5.1	5.8	5.8
7.5°	4.4	4.4	4.4	3.6	4.4	5.8	23.3	66.9	73.4	77.8	79.2
10°	8.0	7.3	6.5	5.8	10.9	74.2	91.6	99.6	103.2	106.9	106.9
12.5°	76.3	76.3	31.3	17.4	74.9	99.6	104.7	110.5	115.6	120.7	121.4
15°	165.8	163.6	157.8	144.7	125.1	112.7	117.8	174.5	205.0	218.8	216.7
17.5°	189.8	186.9	183.2	208.7	217.4	173.8	202.8	225.4	231.9	239.2	238.5
20°	351.9	348.3	271.2	242.8	237.7	291.5	231.9	237.0	248.7	317.0	319.2
22.5°	394.1	389.7	362.8	370.1	277.7	316.3	306.1	320.6	357.7	368.6	370.1
25°	461.7	444.2	411.5	386.8	393.3	330.1	381.0	357.0	370.8	383.9	386.1
27.5°	639.1	628.9	570.7	433.3	401.3	413.0	397.0	388.2	463.9	491.5	493.7
30°	688.5	678.3	605.6	501.7	423.1	423.1	399.9	484.2	487.9	502.4	506.0
32.5°	935.7	915.4	769.9	509.7	439.1	404.2	453.0	476.9	535.1	578.7	586.0
35°	993.2	975.7	794.7	582.4	424.6	421.0	427.5	502.4	545.3	571.5	577.3
37.5°	1052.8	1033.1	791.8	554.7	450.0	401.3	415.9	469.7	531.5	599.1	607.8
40°	1134.2	1110.2	795.4	519.1	421.7	379.5	390.4	450.8	492.9	535.1	542.4
42.5°	1243.3	1195.3	801.9	487.1	389.0	370.1	372.2	407.1	426.8	444.2	444.2
45°	1390.1	1312.3	804.1	453.7	356.3	348.3	351.2	367.2	374.4	363.5	358.4
47.5°	1587.2	1457.0	831.0	423.9	328.6	324.3	326.4	331.5	327.9	299.5	294.5
50°	1816.9	1627.1	845.6	397.7	308.3	307.5	303.9	303.9	290.8	258.8	256.6
52.5°	2070.6	1830.0	857.9	365.7	293.7	297.4	297.4	282.1	262.5	237.0	234.8
55°	2392.7	2064.1	876.1	338.1	281.4	280.6	288.6	269.7	249.4	227.6	227.6
57.5°	2712.6	2312.0	897.9	314.1	267.6	269.0	280.6	265.4	254.5	245.7	245.0
60°	3032.5	2567.9	863.0	292.3	262.5	259.6	278.5	282.1	269.0	274.1	279.2
62.5°	3332.8	2731.5	722.7	273.4	253.0	257.4	297.4	319.9	315.5	310.5	311.9
65°	3474.6	2765.0	586.0	256.6	246.5	272.6	327.9	362.1	347.5	330.8	329.4
67.5°	3498.6	2678.5	431.1	246.5	242.8	299.5	351.9	371.5	349.7	343.2	337.4
70°	3329.9	2458.9	344.6	235.6	245.7	303.9	367.2	369.3	353.3	360.6	353.3
72.5°	2831.9	2048.1	301.7	225.4	246.5	293.0	367.2	370.1	351.9	373.0	369.3
75°	2027.7	1435.9	268.3	216.7	238.5	280.6	362.1	369.3	347.5	370.8	365.0
76°	1651.9	1139.3	258.8	218.8	234.8	276.3	360.6	367.2	348.3	369.3	363.5
77.5°	1091.3	744.5	242.8	217.4	228.3	274.1	357.0	364.3	347.5	365.0	359.2
80°	583.8	421.7	218.8	202.8	220.3	275.6	354.1	357.0	333.7	353.3	346.1
82.5°	384.6	314.1	189.0	183.9	212.3	277.7	352.6	348.3	322.1	353.3	333.7
85°	301.7	259.6	141.8	147.6	193.4	268.3	348.3	335.9	311.9	320.6	309.0
87.5°	255.9	213.8	85.1	105.4	169.4	228.3	309.0	277.7	263.9	272.6	267.6
90°	240.7	189.0	48.0	74.2	127.2	152.0	194.8	181.0	175.2	185.4	183.2
92.5°	242.8	184.7	47.3	70.5	136.0	163.6	201.4	185.4	167.9	167.9	165.8
95°	231.9	172.3	46.5	56.0	122.9	159.2	189.0	166.5	135.2	128.7	126.5
97.5°	101.1	83.6	43.6	42.9	70.5	109.8	137.4	119.2	89.4	69.8	69.8
100°	16.7	26.9	37.8	41.4	41.4	58.2	77.8	73.4	42.9	22.5	23.3
102.5°	17.4	15.3	26.2	34.2	26.9	24.0	35.6	44.4	28.4	8.7	9.5
105°	18.2	16.0	13.1	24.0	15.3	8.0	10.9	20.4	13.1	8.7	8.7
107.5°	19.6	16.7	8.0	8.7	6.5	6.5	5.8	5.1	6.5	8.7	9.5



REPORT NUMBER: P416572

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.3	13.8	7.3	6.5	5.8	6.5	4.4	4.4	5.1	8.7	9.5
112.5°	8.7	8.7	6.5	5.1	5.1	5.8	3.6	3.6	5.1	9.5	9.5
115°	8.7	8.7	5.8	4.4	3.6	4.4	3.6	2.9	5.1	9.5	10.2
117.5°	8.7	8.7	5.8	4.4	3.6	2.9	2.9	2.9	5.1	9.5	10.2
120°	8.7	8.0	5.1	3.6	3.6	2.2	2.2	2.2	4.4	9.5	10.2
122.5°	8.0	8.0	5.1	3.6	2.9	2.2	2.2	2.2	4.4	8.7	9.5
125°	7.3	7.3	5.1	3.6	2.9	2.2	1.5	2.2	4.4	8.0	8.7
127.5°	6.5	6.5	4.4	3.6	2.9	2.2	1.5	2.2	4.4	8.0	8.7
130°	5.8	5.8	4.4	2.9	2.9	1.5	1.5	1.5	4.4	7.3	8.0
132.5°	5.1	5.1	3.6	2.9	2.2	1.5	0.7	1.5	3.6	6.5	6.5
135°	4.4	4.4	3.6	2.9	2.2	1.5	0.7	1.5	2.9	5.1	5.8
137.5°	3.6	3.6	2.9	2.9	2.2	1.5	0.7	1.5	2.2	4.4	4.4
140°	3.6	3.6	2.9	2.9	2.2	1.5	0.7	1.5	2.2	3.6	4.4
142.5°	3.6	3.6	2.9	2.9	2.2	1.5	0.7	1.5	2.2	3.6	4.4
145°	4.4	3.6	3.6	2.9	2.2	1.5	0.7	1.5	2.9	4.4	4.4
147.5°	4.4	4.4	3.6	2.9	2.2	1.5	0.7	1.5	2.9	4.4	4.4
150°	4.4	4.4	3.6	2.9	2.2	0.7	0.0	0.7	2.2	3.6	4.4
152.5°	4.4	3.6	2.9	2.2	1.5	0.7	0.0	0.0	1.5	2.9	2.9
155°	3.6	2.9	2.9	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
157.5°	2.9	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.7
160°	2.2	2.2	1.5	1.5	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)