

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: P416577

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6260 lumens
Efficiency: N/A
Efficacy: 84.6 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

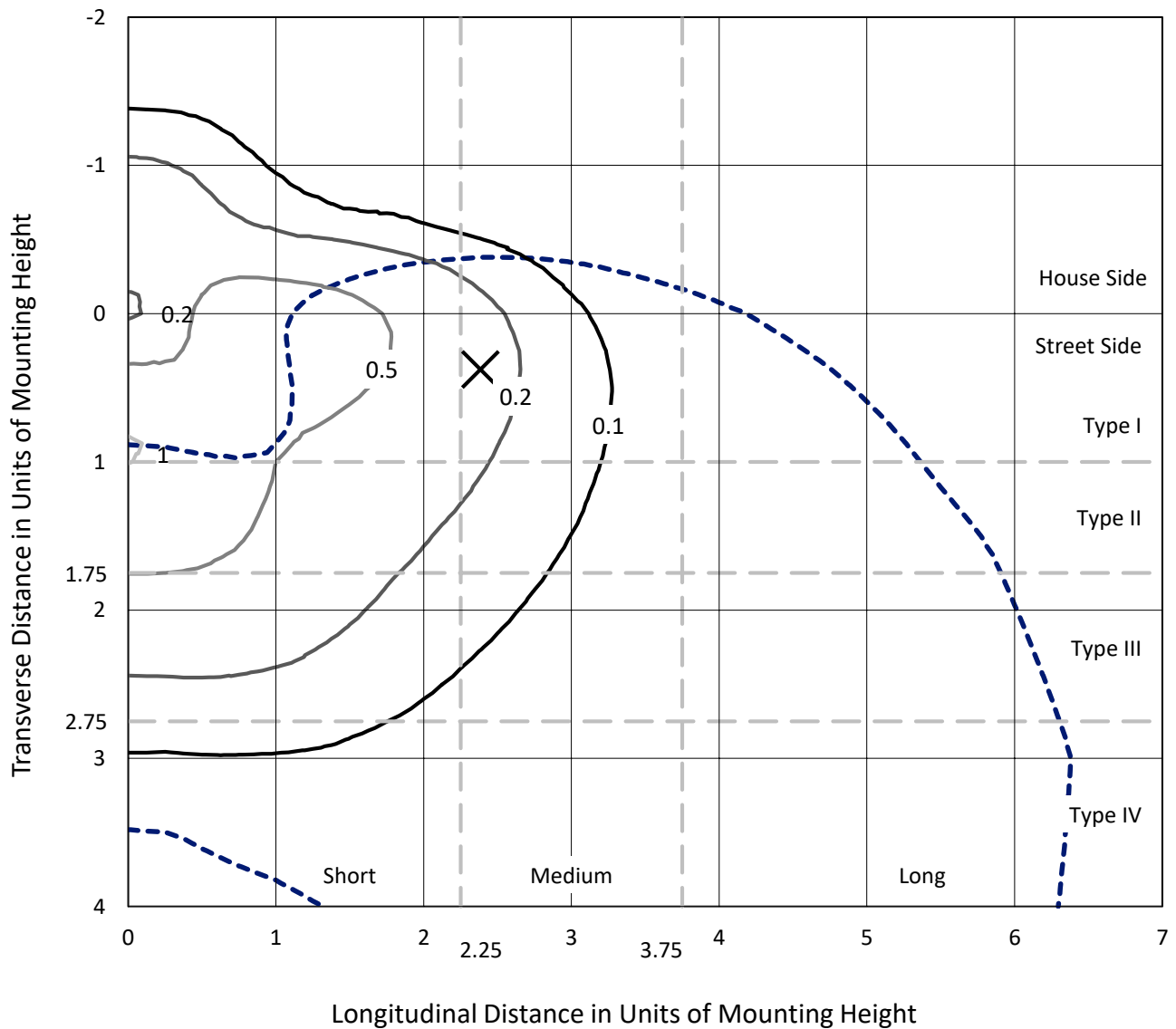
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416577
 CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

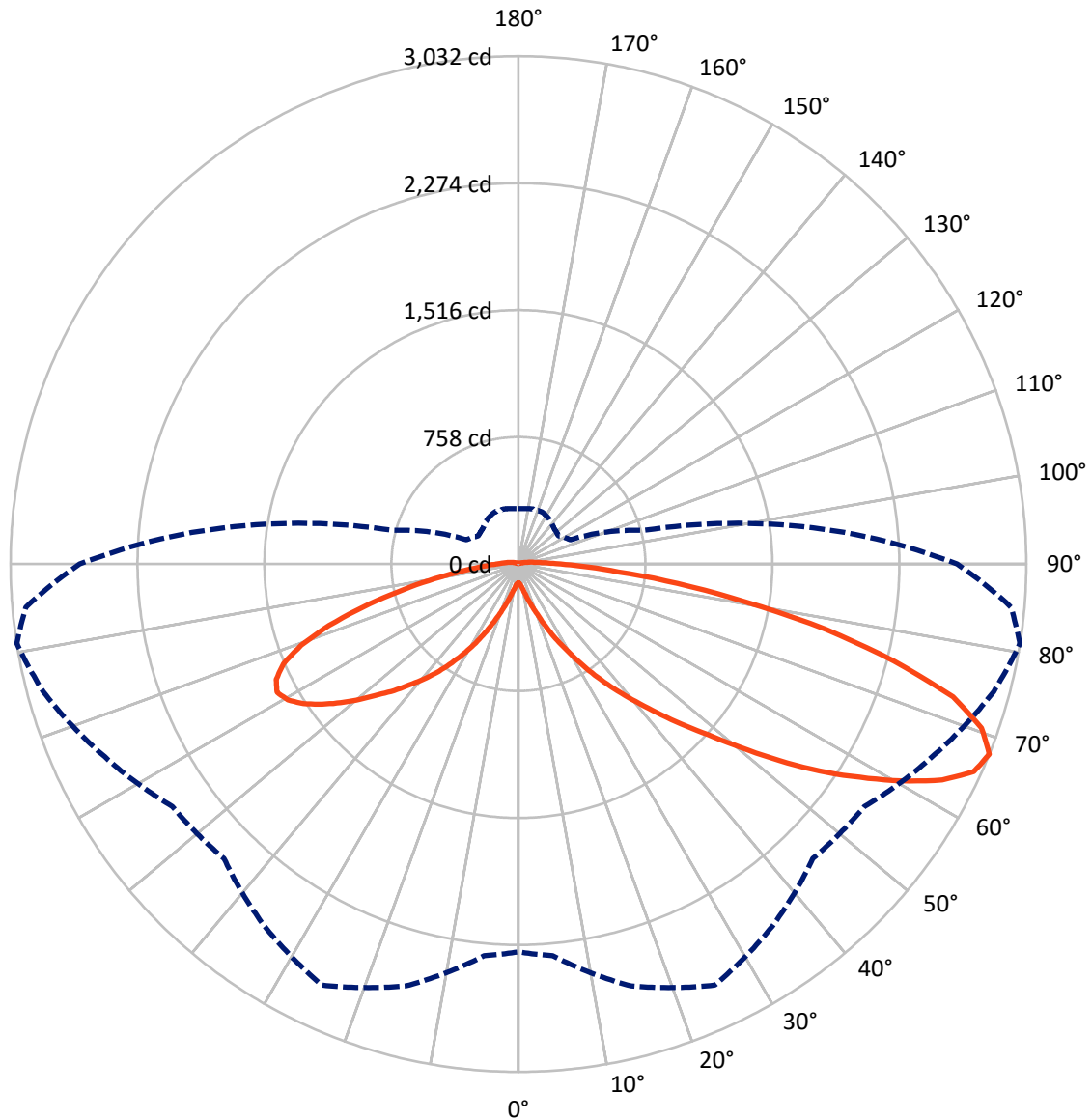


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416577

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

Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416577

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1370.3	97.5	1467.8
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	4669.7	122.5	4792.2
	% Fixture	74.6	2.0	76.6
Total	Lumens	6040.0	220.0	6260.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.2
10°-20°	64.6	1.0
20°-30°	192.8	3.1
30°-40°	418.5	6.7
40°-50°	733.8	11.7
50°-60°	1162.9	18.6
60°-70°	1569.3	25.1
70°-80°	1346.5	21.5
80°-90°	538.7	8.6
90°-100°	131.1	2.1
100°-110°	46.0	0.7
110°-120°	21.1	0.3
120°-130°	11.4	0.2
130°-140°	6.4	0.1
140°-150°	3.0	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6040.0	96.5
0°-180°	6260.0	100.0



REPORT NUMBER: P416577

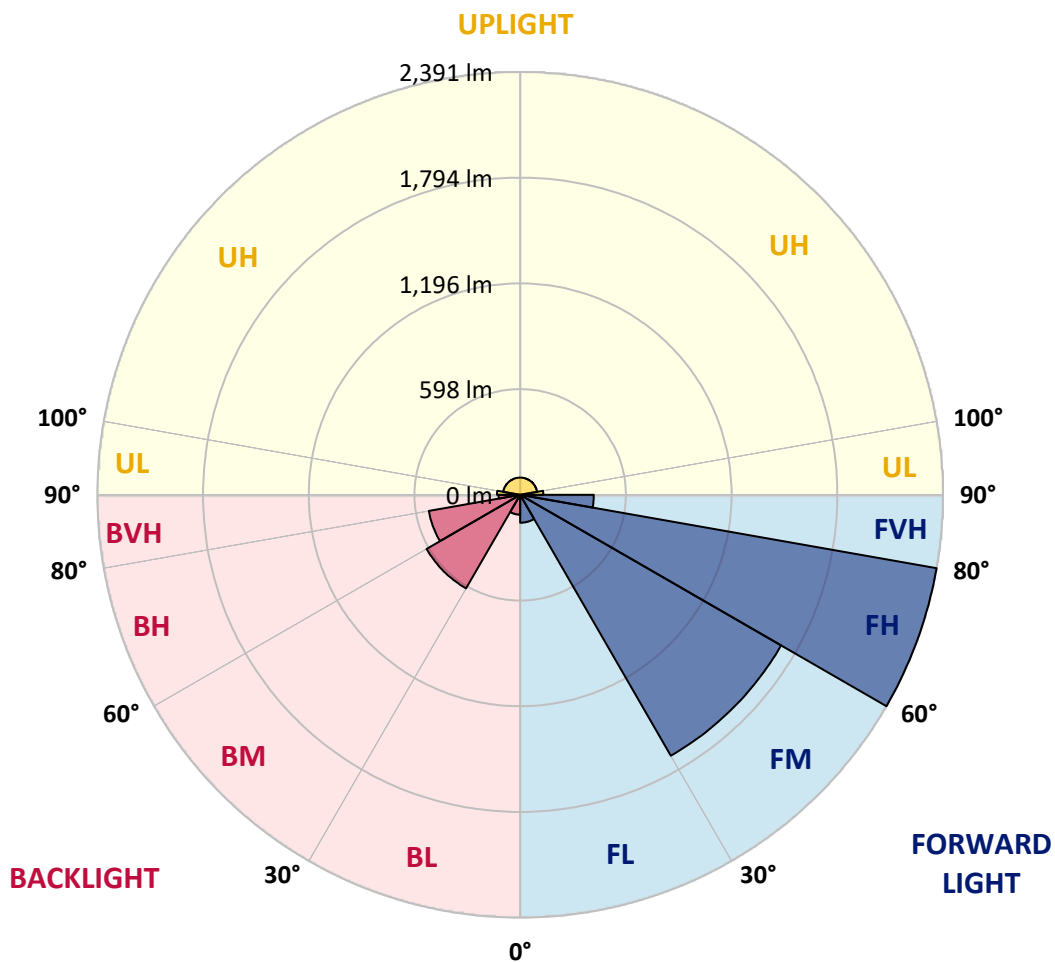
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.9	2.5			
FM	(30°-60°)	1703.9	27.2			
FH	(60°-80°)	2391.5	38.2			G2/5000
FVH	(80°-90°)	416.4	6.7			G3/500
BL	(0°-30°)	112.4	1.8	B1/500		
BM	(30°-60°)	611.3	9.8	B1/1000		
BH	(60°-80°)	524.3	8.4	B2/1000		G2/1000
BVH	(80°-90°)	122.3	2.0			G2/225
UL	(90°-100°)	131.1	2.1		U3/500	
UH	(100°-180°)	97.5	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416577

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	122.9	122.1	122.1	122.9	122.9	122.9	120.7	118.5	116.3	115.6	114.9
5°	139.6	138.1	138.1	138.1	137.4	135.2	132.3	129.4	126.5	125.1	123.6
7.5°	161.4	160.7	159.9	157.8	157.0	153.4	149.0	144.7	140.3	138.9	137.4
10°	191.2	190.5	186.8	186.1	182.5	178.9	172.3	165.8	159.9	157.8	155.6
12.5°	229.0	229.0	223.9	218.1	213.7	206.5	200.7	192.7	188.3	185.4	182.5
15°	278.5	275.5	269.0	262.5	250.8	242.1	233.4	229.0	226.1	222.5	218.1
17.5°	333.0	329.3	323.5	310.4	295.2	282.8	274.8	270.5	269.0	266.8	261.7
20°	398.4	394.1	386.1	365.7	349.0	332.3	322.8	320.6	322.1	318.4	313.4
22.5°	476.2	473.3	456.6	431.1	407.9	384.6	375.9	377.3	380.2	385.3	382.4
25°	564.9	557.6	541.6	505.3	466.8	444.2	435.5	442.0	455.1	462.4	456.6
27.5°	668.1	663.8	631.8	584.5	534.4	503.8	497.3	516.2	538.7	544.6	544.6
30°	777.2	780.1	733.6	677.6	614.3	572.2	564.2	591.1	629.6	633.3	642.7
32.5°	915.3	910.3	861.5	769.9	695.1	640.5	635.4	673.2	722.0	740.9	740.9
35°	1060.0	1054.9	995.3	887.0	783.0	712.5	716.1	756.1	822.3	846.3	849.9
37.5°	1226.5	1209.8	1145.1	1010.6	879.0	796.1	789.6	849.9	927.7	961.9	961.9
40°	1409.7	1400.3	1310.1	1150.9	977.1	882.6	877.5	947.3	1041.8	1079.7	1086.9
42.5°	1587.9	1575.5	1491.9	1286.9	1090.6	974.2	975.0	1051.3	1159.6	1212.0	1221.4
45°	1776.2	1764.5	1672.9	1454.1	1213.4	1087.7	1078.9	1174.2	1303.6	1361.7	1372.7
47.5°	1943.4	1935.4	1856.1	1620.6	1366.1	1209.1	1197.4	1307.2	1457.0	1521.7	1554.4
50°	2125.1	2115.0	2040.8	1798.0	1518.1	1338.5	1337.8	1455.5	1643.1	1721.6	1748.5
52.5°	2272.7	2261.1	2209.5	1976.1	1668.6	1489.7	1477.3	1622.0	1835.8	1948.5	1961.6
55°	2408.7	2404.3	2386.9	2167.3	1851.8	1638.0	1646.0	1817.6	2055.3	2182.6	2202.2
57.5°	2506.8	2512.7	2520.6	2359.2	2031.3	1803.8	1818.3	2013.9	2283.6	2402.1	2429.0
60°	2573.7	2594.1	2647.2	2526.5	2214.6	1984.8	2009.5	2208.0	2503.2	2629.7	2651.5
62.5°	2578.8	2600.6	2724.2	2682.8	2390.5	2170.2	2198.6	2408.0	2699.5	2839.8	2842.0
65°	2482.1	2511.9	2709.7	2767.1	2545.4	2347.6	2373.1	2586.1	2863.8	2988.1	2943.1
67.5°	2315.6	2346.9	2608.6	2774.4	2641.3	2485.8	2522.1	2724.2	2938.0	3031.8	2951.8
70°	2074.2	2104.8	2380.3	2664.6	2658.8	2567.2	2615.2	2780.9	2924.2	2933.6	2820.9
72.5°	1757.3	1754.3	2051.7	2424.7	2562.1	2560.6	2637.0	2738.0	2766.4	2713.3	2546.1
75°	1345.8	1383.6	1654.7	2077.9	2341.8	2445.0	2522.1	2560.6	2479.2	2314.9	2133.9
77.5°	964.1	995.3	1241.8	1638.0	2014.6	2205.1	2290.2	2272.0	2069.9	1877.2	1669.3
80°	638.3	656.5	862.3	1222.9	1624.2	1845.2	1947.7	1877.9	1621.3	1374.8	1195.3
82.5°	383.2	413.0	542.4	859.4	1204.7	1458.4	1521.0	1404.6	1157.4	956.8	825.2
85°	231.9	238.5	337.3	549.6	841.2	1049.1	1108.7	983.7	761.2	597.6	495.8
87.5°	130.1	141.8	208.7	357.7	565.6	728.5	749.6	647.8	477.7	370.8	310.4
90°	76.3	84.3	128.0	221.7	360.6	471.1	476.9	391.9	282.8	223.2	198.5
92.5°	48.7	54.5	85.1	142.5	231.9	306.1	298.1	242.1	181.0	149.0	128.7
95°	34.9	37.8	59.6	98.2	155.6	192.7	189.8	152.0	121.4	104.0	94.5
97.5°	26.2	29.1	46.5	72.0	104.7	129.4	126.5	101.1	84.3	76.3	72.7
100°	21.8	23.3	37.8	56.7	77.8	93.1	91.6	74.9	63.3	57.4	56.0
102.5°	18.9	20.4	31.3	45.8	61.8	72.0	69.1	58.2	48.0	42.9	41.4
105°	16.7	17.4	26.9	39.3	50.9	56.7	56.0	46.5	37.1	32.0	31.3
107.5°	15.3	16.0	23.3	33.4	42.9	48.0	46.5	37.8	28.4	24.7	24.0
110°	13.8	14.5	20.4	29.1	36.4	40.7	38.5	31.3	22.5	18.9	18.9



REPORT NUMBER: P416577

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	13.1	13.1	18.2	24.7	31.3	34.9	32.7	25.4	17.4	15.3	16.0
115°	12.4	12.4	16.0	21.8	27.6	30.5	27.6	21.1	14.5	13.1	13.1
117.5°	11.6	11.6	14.5	19.6	24.7	26.9	24.0	18.2	12.4	10.9	11.6
120°	10.9	11.6	13.8	17.4	21.8	23.3	21.1	15.3	10.2	10.2	10.9
122.5°	10.9	10.9	13.1	16.0	19.6	20.4	18.2	13.1	9.5	9.5	9.5
125°	10.9	10.9	12.4	14.5	17.4	18.2	15.3	10.9	8.7	8.7	8.7
127.5°	10.9	10.9	11.6	13.8	15.3	16.0	13.8	10.2	8.0	8.0	8.7
130°	10.2	10.9	10.9	12.4	13.8	13.8	11.6	8.7	7.3	7.3	8.0
132.5°	10.2	10.2	10.9	11.6	12.4	12.4	10.2	8.0	6.5	7.3	7.3
135°	10.2	10.2	10.2	10.9	11.6	10.9	8.7	6.5	5.8	6.5	6.5
137.5°	9.5	9.5	9.5	10.2	10.2	9.5	8.0	5.8	5.8	5.8	5.8
140°	8.7	8.7	8.7	8.7	9.5	8.7	6.5	5.1	5.1	5.1	5.1
142.5°	8.0	8.0	8.0	8.0	8.0	7.3	5.8	4.4	4.4	4.4	4.4
145°	7.3	7.3	7.3	7.3	6.5	5.8	4.4	3.6	3.6	4.4	4.4
147.5°	5.8	5.8	5.8	5.8	5.8	5.1	3.6	2.9	3.6	3.6	3.6
150°	5.1	5.1	5.1	5.1	4.4	4.4	2.9	2.9	2.9	3.6	3.6
152.5°	3.6	3.6	3.6	4.4	3.6	2.9	2.2	2.2	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.9	2.9	2.9
157.5°	1.5	2.2	2.2	2.2	2.2	2.2	1.5	2.2	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	2.2	2.2	1.5	1.5	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: P416577

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
2.5°	114.9	114.1	113.4	112.7	112.0	112.0	111.2	110.5	109.8	109.1	109.1
5°	122.9	121.4	119.2	117.8	116.3	116.3	114.9	114.1	112.7	112.0	112.0
7.5°	135.2	134.5	130.1	128.0	125.8	125.1	123.6	122.1	120.7	120.7	120.7
10°	153.4	151.2	147.6	141.8	139.6	138.1	136.0	134.5	134.5	135.2	135.2
12.5°	181.0	175.2	170.1	162.1	157.8	154.9	153.4	154.1	157.8	159.2	157.8
15°	213.0	211.6	199.2	187.6	178.9	173.0	176.7	181.0	186.1	187.6	189.8
17.5°	257.4	252.3	235.6	218.8	202.8	199.9	204.3	211.6	217.4	221.7	225.4
20°	310.4	301.7	281.4	252.3	234.1	229.7	232.7	242.8	253.7	262.5	263.2
22.5°	377.3	364.2	327.9	291.5	264.6	257.4	261.0	277.0	293.0	303.9	303.2
25°	450.0	434.0	385.3	333.0	295.9	282.8	289.4	310.4	333.0	346.1	347.5
27.5°	531.5	515.5	447.9	373.0	324.3	304.6	315.5	339.5	370.1	386.1	389.0
30°	627.4	605.6	510.4	415.9	350.4	325.0	335.2	366.4	399.9	422.4	425.3
32.5°	727.0	692.9	572.9	450.8	368.6	338.1	349.7	386.1	424.6	449.3	453.7
35°	830.3	788.1	636.2	480.6	381.7	346.1	357.7	398.4	439.1	466.0	469.7
37.5°	946.6	890.6	693.6	503.1	389.0	348.3	359.9	400.6	442.0	468.2	471.8
40°	1063.7	988.8	741.6	516.9	389.7	346.1	355.5	394.8	434.0	456.6	460.2
42.5°	1189.4	1092.0	789.6	520.6	386.1	340.3	348.3	383.2	416.6	434.0	436.2
45°	1330.5	1211.2	830.3	517.7	375.9	331.5	337.3	367.2	393.3	401.3	405.0
47.5°	1479.5	1329.0	861.5	508.9	365.7	322.1	325.7	350.4	367.2	367.9	368.6
50°	1661.3	1472.3	900.1	496.6	351.9	313.4	315.5	335.2	343.2	339.5	338.1
52.5°	1860.5	1625.7	924.8	476.9	339.5	305.4	307.5	322.8	325.7	317.7	318.4
55°	2077.2	1768.9	945.9	458.0	326.4	300.3	304.6	317.0	317.0	306.8	306.1
57.5°	2279.3	1915.0	955.3	434.0	315.5	296.6	303.9	316.3	314.8	305.4	304.6
60°	2474.8	2034.3	943.7	410.8	308.3	295.2	308.3	321.4	319.9	311.9	311.2
62.5°	2610.1	2109.1	914.6	387.5	301.7	297.4	313.4	328.6	328.6	319.9	319.9
65°	2668.2	2100.4	855.0	364.2	296.6	298.8	320.6	336.6	335.2	327.9	326.4
67.5°	2619.5	2021.2	775.0	341.7	292.3	300.3	324.3	341.0	339.5	331.5	330.1
70°	2463.2	1854.7	678.3	321.4	286.5	298.1	325.7	340.3	338.1	330.8	327.9
72.5°	2152.0	1595.9	577.3	301.7	277.7	293.0	321.4	334.4	332.3	326.4	322.8
75°	1772.5	1286.9	476.9	279.9	266.8	283.5	311.9	323.5	320.6	315.5	311.9
77.5°	1355.2	972.1	394.1	259.6	253.7	271.2	298.8	307.5	304.6	300.3	298.1
80°	959.0	692.1	317.0	237.0	234.8	252.3	275.5	285.0	283.5	279.2	275.5
82.5°	631.1	460.2	253.0	211.6	213.0	231.2	248.6	253.7	253.0	249.4	245.0
85°	389.0	303.2	199.2	182.5	189.0	203.6	218.1	218.8	216.7	215.9	209.4
87.5°	247.9	207.2	156.3	154.9	164.3	176.7	183.2	180.3	181.8	181.8	176.7
90°	161.4	145.4	125.1	129.4	139.6	149.0	152.0	144.0	148.3	146.1	144.0
92.5°	117.1	108.3	101.8	107.6	117.8	126.5	125.1	116.3	118.5	118.5	117.8
95°	88.7	84.3	85.1	90.9	98.9	104.7	101.8	94.5	95.2	93.8	91.6
97.5°	69.8	69.1	72.0	76.3	83.6	87.2	84.3	77.8	77.1	74.9	74.2
100°	55.3	56.0	60.3	65.4	69.8	72.7	70.5	64.0	61.1	57.4	56.7
102.5°	42.9	44.3	50.2	54.5	58.9	61.1	58.9	53.8	48.7	45.1	44.3
105°	33.4	34.9	41.4	45.8	49.4	50.9	49.4	43.6	38.5	34.2	34.2
107.5°	26.2	27.6	34.2	39.3	41.4	42.9	40.7	36.4	30.5	26.9	26.9
110°	21.1	22.5	28.4	32.7	34.9	36.4	34.2	29.1	24.7	21.8	21.8



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.7	18.9	23.3	27.6	29.8	30.5	28.4	24.7	19.6	18.2	18.2
115°	14.5	16.0	19.6	23.3	25.4	25.4	24.0	20.4	16.0	15.3	15.3
117.5°	12.4	13.8	16.7	20.4	21.8	21.8	20.4	16.7	13.8	13.1	13.1
120°	11.6	12.4	14.5	17.4	18.9	18.9	17.4	14.5	11.6	11.6	11.6
122.5°	10.2	10.9	13.1	15.3	16.7	16.7	15.3	12.4	10.2	10.9	10.9
125°	9.5	10.2	11.6	13.1	14.5	14.5	13.1	10.9	9.5	9.5	9.5
127.5°	8.7	9.5	10.2	11.6	12.4	12.4	11.6	9.5	8.7	8.7	8.7
130°	8.0	8.7	9.5	10.2	10.9	10.9	9.5	8.0	8.0	8.0	8.0
132.5°	8.0	8.0	8.0	8.7	9.5	9.5	8.7	7.3	7.3	7.3	7.3
135°	7.3	7.3	7.3	7.3	8.0	8.0	7.3	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	7.3	7.3	6.5	5.8	5.8	5.8	5.8
140°	5.8	5.8	5.8	5.1	5.8	5.8	5.1	5.1	5.1	5.1	5.1
142.5°	4.4	5.1	4.4	4.4	4.4	4.4	4.4	3.6	4.4	4.4	4.4
145°	4.4	4.4	4.4	3.6	3.6	3.6	3.6	2.9	3.6	3.6	3.6
147.5°	3.6	3.6	3.6	2.9	2.2	2.9	2.2	2.9	2.9	2.9	2.9
150°	3.6	3.6	2.9	2.9	2.2	1.5	1.5	2.2	2.2	2.2	2.2
152.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
155°	2.9	2.9	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.7	0.0	0.0	0.0
160°	2.2	2.2	2.2	1.5	0.7	0.7	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)