

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: P415736

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4884 lumens
Efficiency: N/A
Efficacy: 90.4 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: B1 - U3 - G3

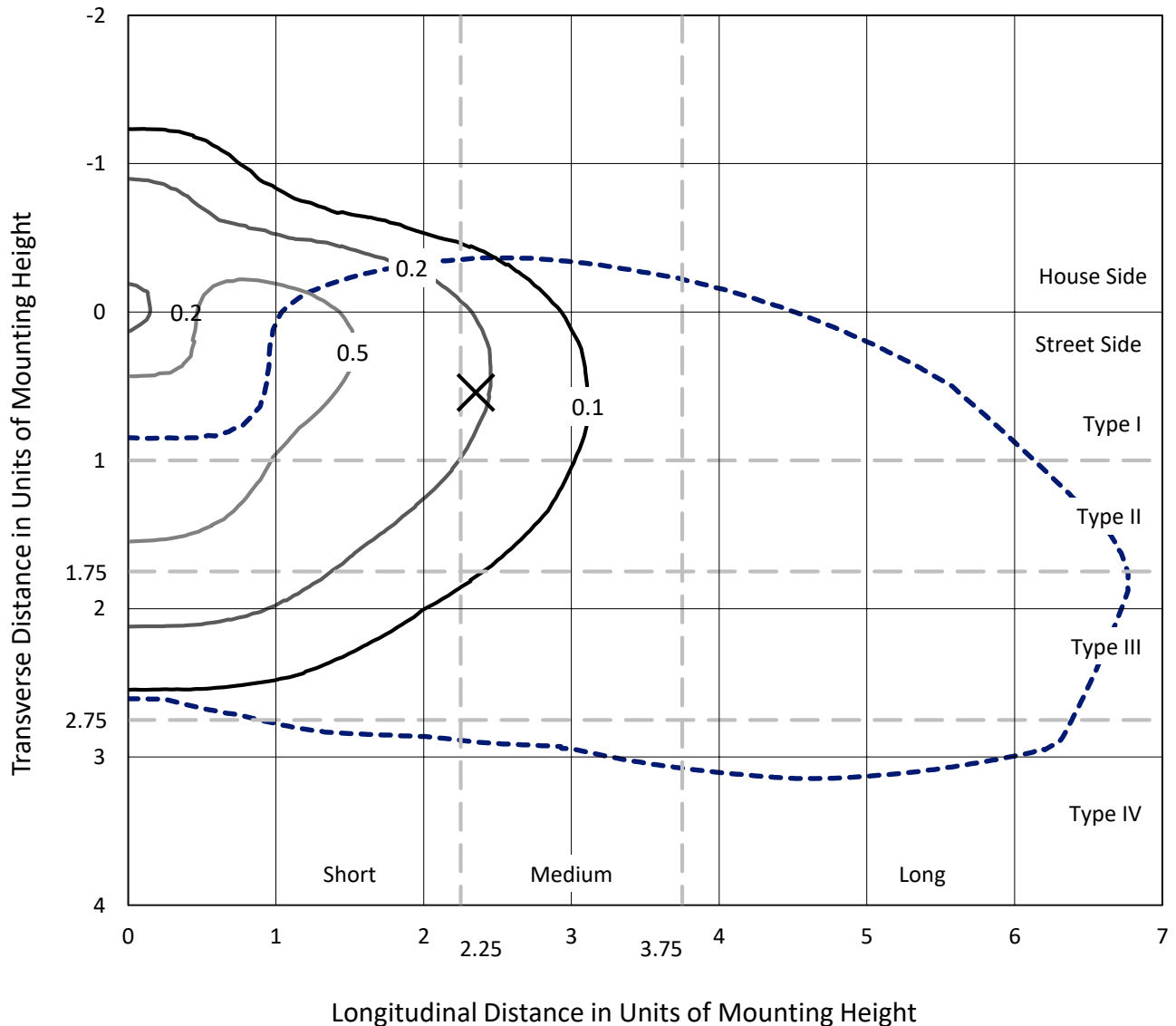
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415736
 CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

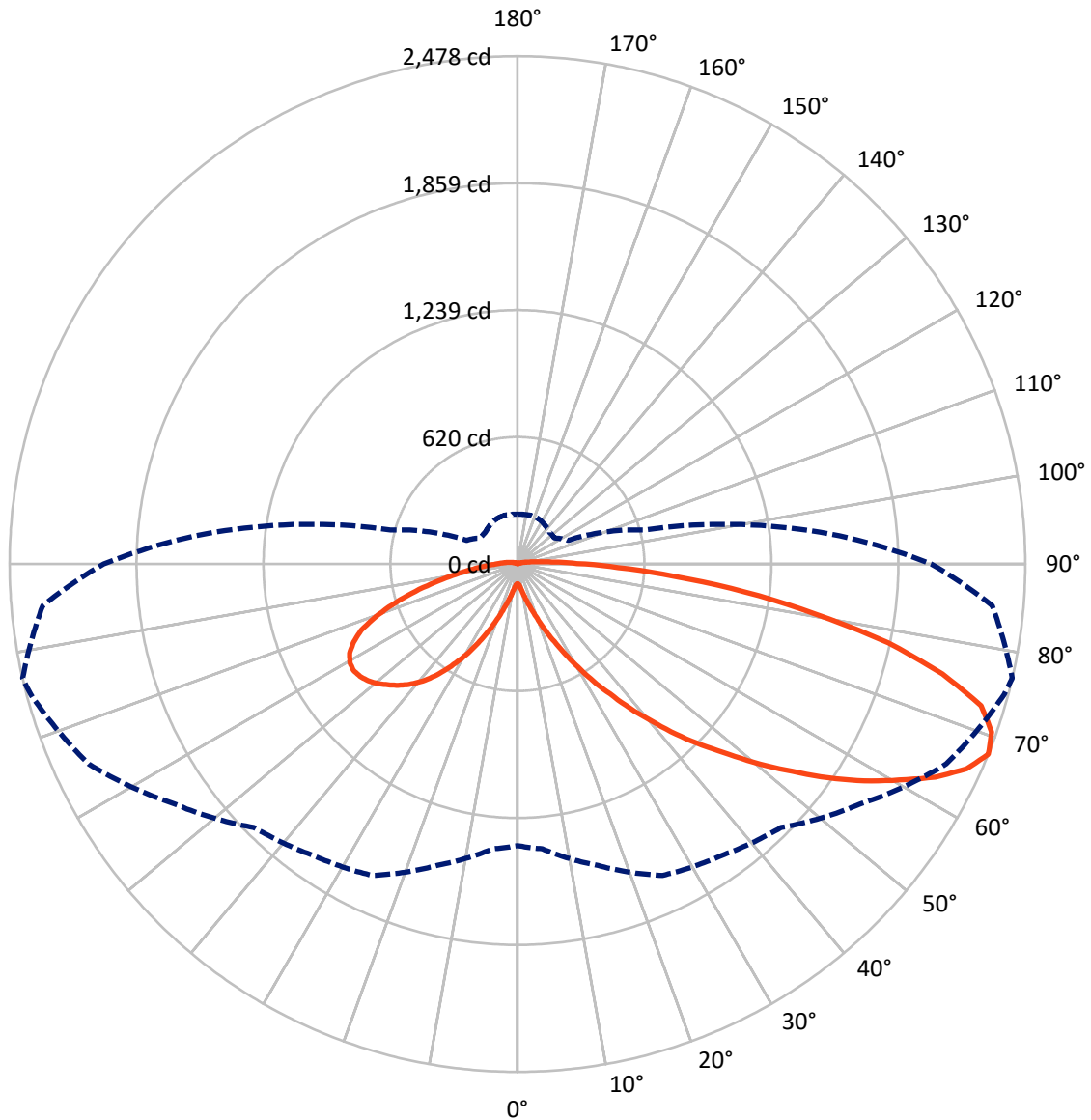
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415736
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415736

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1114.2	73.4	1187.6
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	3614.7	81.7	3696.4
	% Fixture	74.0	1.7	75.7
Total	Lumens	4728.9	155.1	4884.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.2
10°-20°	56.7	1.2
20°-30°	169.2	3.5
30°-40°	374.8	7.7
40°-50°	671.2	13.7
50°-60°	1005.3	20.6
60°-70°	1185.0	24.3
70°-80°	904.7	18.5
80°-90°	350.7	7.2
90°-100°	89.4	1.8
100°-110°	33.8	0.7
110°-120°	15.9	0.3
120°-130°	8.5	0.2
130°-140°	4.7	0.1
140°-150°	2.1	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4728.9	96.8
0°-180°	4884.0	100.0



REPORT NUMBER: P415736

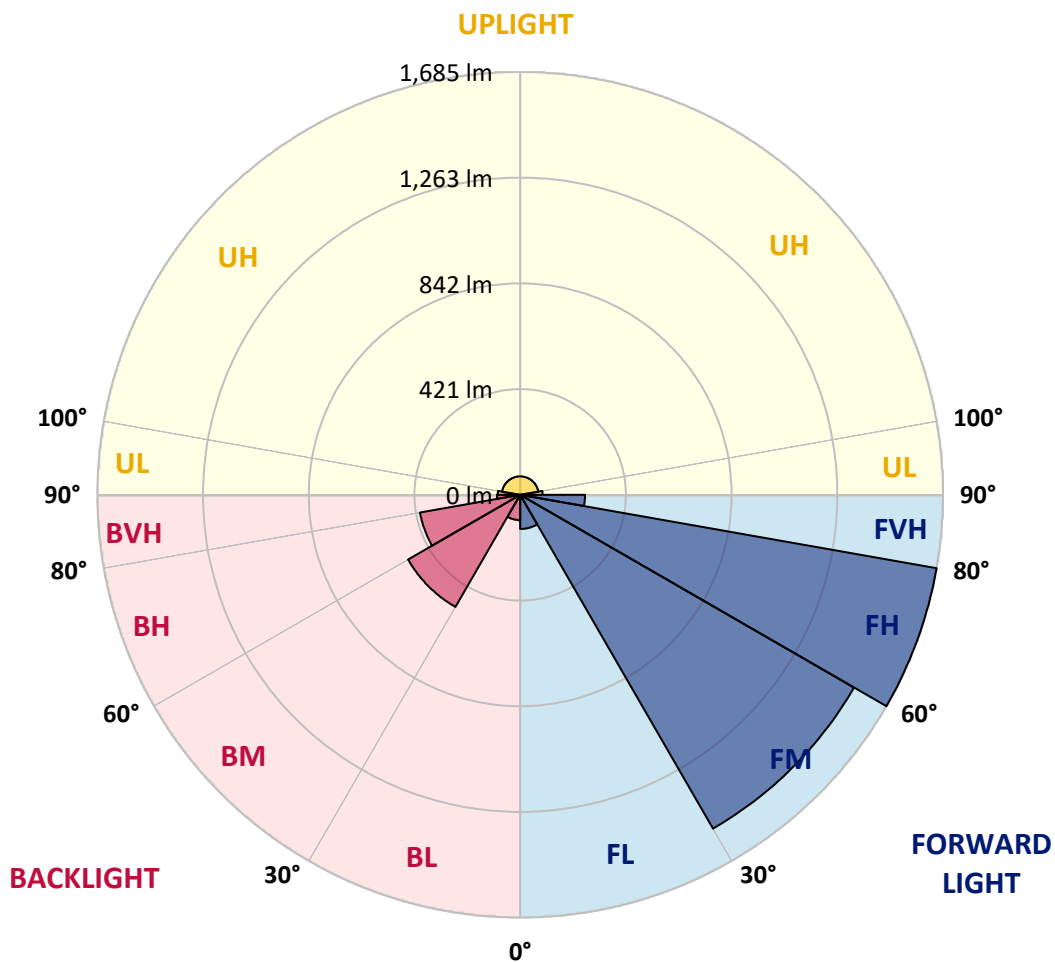
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.1	2.8			
FM	(30°-60°)	1535.6	31.4			
FH	(60°-80°)	1684.6	34.5			G1/1800
FVH	(80°-90°)	258.3	5.3			G3/500
BL	(0°-30°)	100.9	2.1	B0/110		
BM	(30°-60°)	515.8	10.6	B1/1000		
BH	(60°-80°)	405.2	8.3	B1/500		G1/500
BVH	(80°-90°)	92.4	1.9			G1/100
UL	(90°-100°)	89.4	1.8		U3/500	
UH	(100°-180°)	73.4	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415736

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2.5°	101.6	101.0	101.6	101.6	102.1	101.0	99.9	99.3	98.8	98.8	98.2
5°	112.2	111.1	111.7	112.2	111.7	110.5	108.9	108.3	107.2	107.2	106.0
7.5°	127.4	127.4	126.8	125.7	126.8	125.1	124.0	123.4	121.8	121.2	120.6
10°	150.4	149.3	148.7	147.6	146.4	145.9	143.6	143.6	140.8	142.0	140.3
12.5°	180.1	177.9	178.4	176.2	172.8	170.6	169.5	168.9	168.9	168.9	168.3
15°	216.0	214.3	213.8	208.7	205.4	202.6	200.3	200.9	203.7	204.2	202.0
17.5°	257.0	259.8	254.7	250.3	245.2	239.6	239.6	239.6	241.8	243.5	242.4
20°	314.2	308.6	303.0	295.7	287.3	282.8	280.6	287.3	291.2	294.0	292.9
22.5°	377.1	371.4	365.3	353.5	341.7	333.3	333.3	341.7	350.7	354.1	355.2
25°	448.3	451.7	436.5	418.6	397.3	390.0	391.1	403.4	416.9	419.7	426.4
27.5°	536.4	536.4	523.5	494.9	466.8	452.2	453.4	473.6	493.8	497.7	502.7
30°	643.6	639.7	622.3	584.1	547.1	519.6	524.6	549.3	581.3	584.7	590.8
32.5°	763.1	762.5	728.9	681.7	628.4	595.9	598.1	634.0	673.9	683.4	690.2
35°	895.5	898.9	855.1	786.7	724.9	681.2	688.5	729.4	776.0	778.2	786.7
37.5°	1047.0	1045.3	993.1	918.5	826.5	779.9	774.3	829.9	878.7	893.3	888.8
40°	1214.8	1196.8	1146.3	1053.7	940.4	878.1	879.2	936.5	1002.7	1007.2	1006.1
42.5°	1380.3	1372.5	1311.3	1186.2	1065.0	991.5	994.3	1049.3	1117.7	1135.1	1122.8
45°	1558.7	1539.1	1472.9	1343.8	1196.3	1116.6	1109.3	1171.0	1246.2	1259.7	1247.9
47.5°	1702.9	1690.6	1632.2	1494.8	1337.1	1235.0	1223.8	1299.5	1385.4	1386.5	1369.1
50°	1822.5	1816.3	1770.3	1648.5	1473.5	1367.4	1355.6	1430.8	1520.6	1535.2	1509.9
52.5°	1925.7	1915.6	1892.6	1772.5	1597.5	1480.7	1479.1	1561.5	1673.8	1680.5	1656.4
55°	1958.8	1965.0	1961.6	1876.9	1719.2	1593.0	1607.0	1718.1	1818.5	1842.1	1796.6
57.5°	1953.8	1953.8	1985.7	1947.0	1800.6	1694.5	1724.8	1858.9	1989.7	1997.0	1942.5
60°	1877.4	1879.1	1956.0	1966.7	1858.9	1781.5	1852.8	2002.0	2136.1	2140.6	2089.5
62.5°	1767.5	1763.5	1876.3	1930.2	1866.2	1833.1	1944.2	2127.1	2274.1	2289.3	2212.4
65°	1595.8	1603.1	1724.8	1832.0	1828.1	1852.8	2015.5	2239.9	2386.4	2408.2	2297.1
67.5°	1374.1	1395.5	1523.4	1677.1	1736.6	1818.5	2041.8	2308.9	2459.3	2478.4	2325.8
70°	1138.5	1133.4	1272.0	1465.0	1581.2	1731.0	2012.7	2311.7	2461.0	2454.8	2264.6
72.5°	863.5	884.9	1009.4	1205.8	1378.1	1564.9	1917.8	2239.9	2366.7	2365.6	2103.0
75°	613.8	626.8	736.7	933.1	1138.5	1370.8	1728.8	2083.4	2176.5	2142.8	1869.0
77.5°	405.1	416.9	511.7	690.7	880.9	1126.7	1474.6	1810.1	1884.2	1849.4	1570.5
80°	251.9	257.5	329.4	471.3	640.2	873.1	1194.0	1480.2	1509.4	1474.0	1209.2
82.5°	149.8	154.3	205.9	302.4	456.2	635.7	900.0	1134.5	1144.1	1120.0	872.0
85°	92.0	98.2	131.3	202.0	304.1	448.3	627.3	788.3	795.1	767.0	576.3
87.5°	60.0	63.4	89.2	131.3	204.8	300.2	420.3	524.6	509.5	492.1	364.2
90°	41.0	43.2	61.2	90.3	138.6	198.6	266.0	328.2	304.1	290.7	221.1
92.5°	28.6	30.9	44.9	65.1	95.9	133.0	172.8	196.4	186.3	180.1	139.2
95°	22.4	23.6	34.2	50.5	71.3	94.3	114.5	121.8	115.6	111.1	93.7
97.5°	18.0	19.1	28.6	41.0	55.5	70.1	79.7	81.9	75.7	73.5	65.1
100°	15.1	16.3	24.1	34.2	45.4	55.5	59.5	58.9	53.9	52.7	47.1
102.5°	13.5	14.0	21.3	29.7	38.7	44.9	47.1	44.3	39.3	38.7	35.3
105°	11.8	12.9	18.5	25.8	33.1	38.2	38.2	34.8	29.2	28.6	26.9
107.5°	11.2	11.2	16.3	22.4	28.6	32.0	32.0	28.1	23.0	21.9	20.8
110°	10.1	10.7	14.6	19.6	24.7	27.5	26.9	22.4	17.4	16.8	16.3



REPORT NUMBER: P415736

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	9.5	9.5	12.9	17.4	21.3	23.6	22.4	18.5	14.0	13.5	12.9
115°	9.0	9.0	11.8	15.7	19.1	20.8	19.1	15.1	11.2	10.7	11.2
117.5°	8.4	9.0	10.7	14.0	16.8	18.0	16.3	12.9	9.5	9.0	9.5
120°	8.4	8.4	10.1	12.3	14.6	15.7	14.0	10.7	7.9	7.9	8.4
122.5°	8.4	8.4	9.5	11.2	12.9	13.5	11.8	9.0	7.3	7.3	7.9
125°	7.9	7.9	9.0	10.1	11.8	11.8	10.7	7.9	6.2	6.2	7.3
127.5°	7.9	7.9	8.4	9.5	10.7	10.7	9.0	6.7	5.6	6.2	6.7
130°	7.3	7.3	7.9	8.4	9.5	9.0	7.9	6.2	5.0	5.6	6.2
132.5°	7.3	7.3	7.3	7.9	8.4	7.9	6.7	5.0	5.0	5.0	5.6
135°	6.7	6.7	7.3	7.3	7.3	6.7	5.6	4.5	4.5	4.5	5.0
137.5°	6.7	6.7	6.7	6.7	6.7	6.2	5.0	3.9	3.9	3.9	4.5
140°	6.2	6.2	6.2	5.6	5.6	5.0	3.9	3.4	3.4	3.4	3.9
142.5°	5.6	5.6	5.6	5.0	5.0	3.9	3.4	2.8	2.8	3.4	3.4
145°	5.0	5.0	5.0	4.5	3.9	3.4	2.2	2.2	2.8	2.8	3.4
147.5°	3.9	3.9	3.9	3.9	2.8	2.8	1.7	2.2	2.2	2.8	2.8
150°	3.4	3.4	3.4	3.4	2.2	1.7	1.1	1.7	2.2	2.2	2.2
152.5°	2.8	2.8	2.8	2.8	1.7	1.1	1.1	1.7	1.7	1.7	2.2
155°	1.7	1.7	2.2	1.7	1.1	0.6	1.1	1.1	1.7	1.7	1.7
157.5°	1.1	1.1	1.1	1.1	0.6	0.6	0.6	1.1	1.1	1.1	1.7
160°	0.6	0.6	1.1	1.1	1.1	0.6	0.6	0.6	1.1	1.1	1.1
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: P415736

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2.5°	97.6	98.2	97.6	97.1	97.1	96.5	96.5	96.5	96.5	95.9	95.9
5°	106.6	106.0	105.5	104.4	103.2	102.1	102.1	101.6	101.0	100.4	100.4
7.5°	119.0	119.0	117.8	116.1	114.5	113.3	112.2	111.7	110.0	110.0	109.4
10°	138.0	138.0	134.7	133.0	130.2	127.4	126.2	124.6	123.4	122.9	122.3
12.5°	165.5	163.8	160.5	154.9	149.3	144.8	142.0	140.8	141.4	141.4	142.0
15°	200.9	197.5	192.5	181.8	171.7	165.0	163.3	163.3	163.8	163.8	164.4
17.5°	243.0	237.9	226.7	213.2	198.6	189.7	185.7	185.7	186.8	188.5	190.2
20°	294.0	289.5	272.1	248.6	226.7	214.9	208.2	207.6	209.9	214.9	213.8
22.5°	351.8	346.8	321.0	286.7	256.4	237.3	230.1	232.3	237.9	241.3	241.3
25°	421.4	413.0	374.3	324.3	285.6	258.7	249.1	252.5	260.9	264.8	266.5
27.5°	496.0	484.8	433.2	365.3	308.6	276.1	266.0	270.5	280.6	286.7	288.4
30°	584.7	565.0	494.9	403.4	329.4	288.4	277.7	286.2	297.4	304.7	306.4
32.5°	677.8	647.5	548.2	436.0	344.5	296.8	286.2	296.3	308.6	317.0	317.6
35°	771.0	736.2	607.1	462.3	352.4	300.8	289.5	301.3	314.8	321.5	323.2
37.5°	872.0	823.7	658.2	479.2	355.7	300.2	289.5	301.3	314.2	319.8	321.0
40°	969.0	909.5	703.6	489.3	354.6	295.7	285.6	297.9	309.2	313.1	312.5
42.5°	1077.9	992.6	740.1	489.8	346.8	289.0	280.6	291.2	299.1	298.5	299.1
45°	1181.7	1080.7	767.0	485.9	336.1	280.6	273.8	283.4	286.2	283.4	282.8
47.5°	1295.6	1168.2	788.3	475.8	323.2	272.7	266.5	273.8	274.4	268.2	267.1
50°	1416.2	1255.7	808.0	457.3	308.0	263.7	259.8	266.0	264.8	254.7	253.1
52.5°	1534.1	1344.4	820.3	434.9	292.9	255.9	254.2	260.4	257.0	245.2	243.0
55°	1659.7	1426.3	822.6	412.4	278.3	249.1	249.1	255.9	251.9	239.6	237.9
57.5°	1782.6	1512.2	814.2	383.2	264.3	241.8	245.2	253.1	250.3	237.9	236.8
60°	1897.6	1576.7	791.2	355.7	251.4	236.8	242.4	251.4	249.1	239.0	237.9
62.5°	1986.9	1619.3	754.7	328.8	240.2	231.7	239.6	248.6	249.1	240.7	241.3
65°	2028.4	1619.3	701.9	301.9	230.1	226.7	236.8	246.9	248.0	243.0	243.0
67.5°	2019.4	1577.8	642.5	273.8	220.5	220.5	232.9	243.5	245.8	243.5	243.5
70°	1924.6	1465.6	561.1	251.4	211.0	213.2	226.7	237.9	241.3	241.8	241.3
72.5°	1770.3	1296.7	476.9	227.8	200.9	205.9	218.8	230.1	234.5	235.7	235.1
75°	1531.8	1100.9	394.5	208.2	190.2	196.4	209.9	219.4	224.4	226.7	225.6
77.5°	1231.1	873.6	323.2	188.5	177.9	184.6	197.5	205.4	211.5	214.3	212.1
80°	938.2	650.3	257.0	168.9	162.7	170.0	181.2	189.7	195.3	196.4	194.7
82.5°	666.0	461.2	205.9	150.4	146.4	152.6	162.7	168.3	175.1	174.5	171.1
85°	436.5	313.1	161.6	130.7	129.1	133.0	140.8	144.2	150.9	150.9	147.0
87.5°	283.9	207.6	127.4	110.0	111.7	115.0	119.0	121.8	124.6	125.1	121.8
90°	181.2	142.0	101.6	93.7	95.4	98.2	98.2	97.6	102.1	103.2	100.4
92.5°	119.0	101.0	84.2	79.7	80.8	81.4	81.4	79.1	83.0	83.6	81.4
95°	83.6	75.7	69.6	68.5	68.5	68.5	67.3	64.5	67.9	67.9	66.8
97.5°	62.8	58.9	58.4	58.4	58.4	57.8	56.1	55.0	56.1	56.1	55.5
100°	47.1	46.6	48.3	49.4	49.9	49.4	48.3	46.6	46.6	44.3	44.9
102.5°	35.9	37.0	40.4	42.1	42.1	42.1	41.5	39.3	38.2	35.9	35.3
105°	28.1	29.2	33.1	35.3	35.9	36.5	35.3	33.1	30.9	28.6	28.1
107.5°	21.9	23.6	26.9	29.7	30.9	30.9	30.3	28.1	25.2	22.4	22.4
110°	18.0	19.1	22.4	25.2	26.4	26.4	25.8	23.0	20.2	18.0	18.0



REPORT NUMBER: P415736

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.6	15.7	19.1	21.3	22.4	23.0	21.9	19.6	16.8	14.6	14.6
115°	12.3	13.5	16.3	18.0	19.1	19.1	18.5	16.3	14.0	12.3	12.3
117.5°	10.7	11.8	14.0	15.7	16.3	16.8	15.7	14.0	11.8	10.7	10.7
120°	9.5	10.1	12.3	13.5	14.0	14.0	13.5	11.8	10.1	9.5	9.5
122.5°	8.4	9.5	10.7	11.8	12.3	12.3	11.8	10.1	9.0	8.4	9.0
125°	7.9	8.4	9.5	10.7	10.7	10.7	10.1	9.0	7.9	7.9	7.9
127.5°	7.3	7.9	8.4	9.0	9.5	9.5	9.0	7.9	7.3	7.3	7.3
130°	6.7	7.3	7.9	7.9	8.4	8.4	7.9	6.7	6.7	6.7	6.7
132.5°	6.2	6.7	6.7	7.3	7.3	7.3	6.7	6.2	6.2	6.2	6.2
135°	5.6	5.6	6.2	6.2	6.2	6.2	5.6	5.6	5.6	5.6	5.6
137.5°	5.0	5.0	5.6	5.0	5.6	5.0	5.0	4.5	5.0	5.0	5.0
140°	4.5	4.5	4.5	4.5	4.5	4.5	3.9	3.9	4.5	4.5	4.5
142.5°	3.9	3.9	3.9	3.4	3.4	3.4	3.4	3.4	3.9	3.9	3.9
145°	3.4	3.4	3.4	2.8	2.8	2.2	2.8	2.8	3.4	3.4	3.4
147.5°	2.8	2.8	2.8	2.8	2.2	1.7	1.7	2.2	2.8	2.8	2.8
150°	2.2	2.8	2.8	2.2	1.7	1.1	1.1	1.7	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.7	1.1	0.6	0.6	1.1	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.1	0.6	0.0	1.1	1.1	1.1	1.1
157.5°	1.7	1.7	1.7	1.1	0.6	0.0	0.0	0.6	1.1	0.6	0.6
160°	1.1	1.1	1.1	1.1	0.6	0.6	0.0	0.6	0.6	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)