

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: P415497

Luminaire Tested: **LXF.LXT-PA1-50-740-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-740-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5873 lumens
Efficiency: N/A
Efficacy: 108.8 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

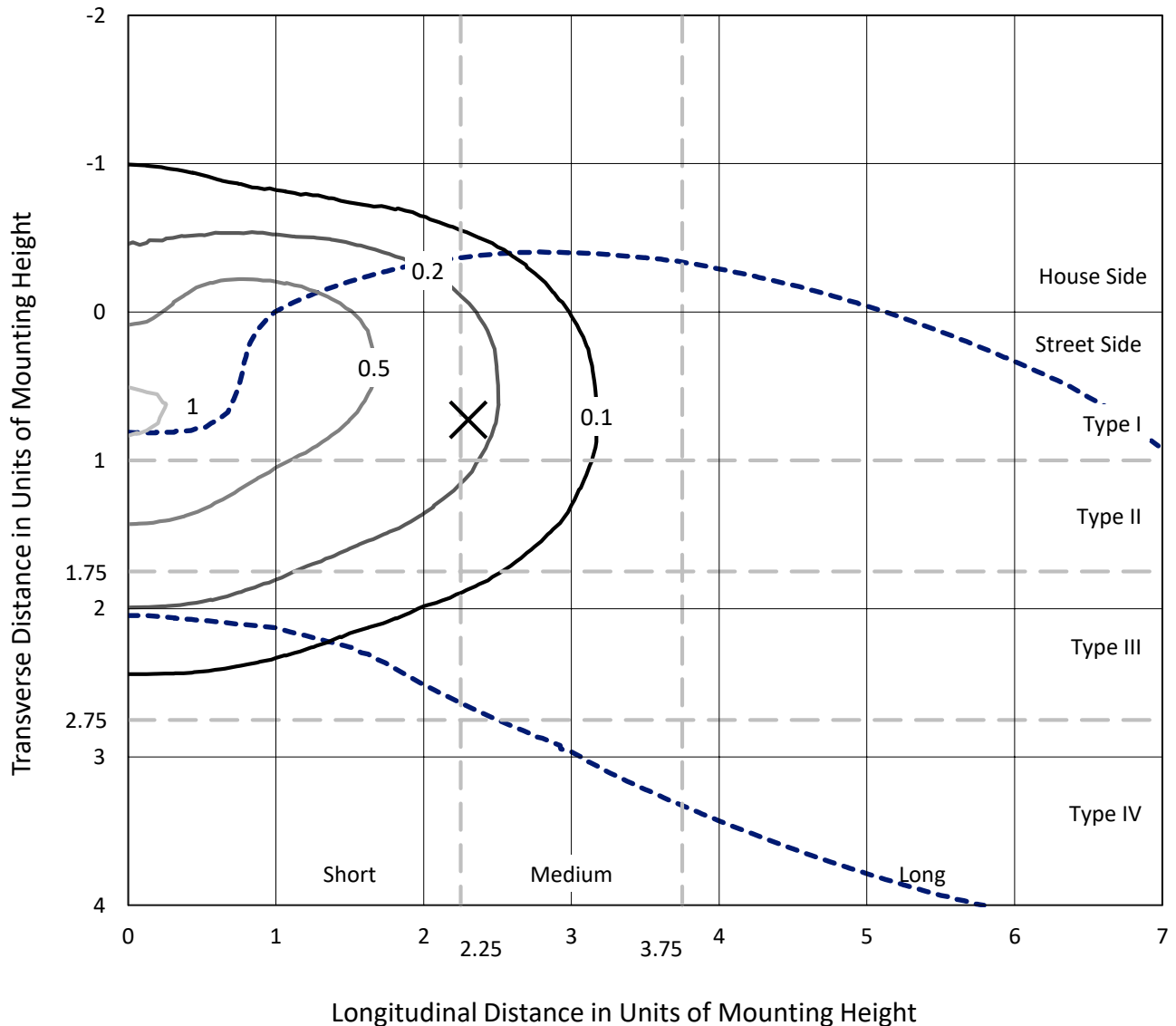
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415497
 CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

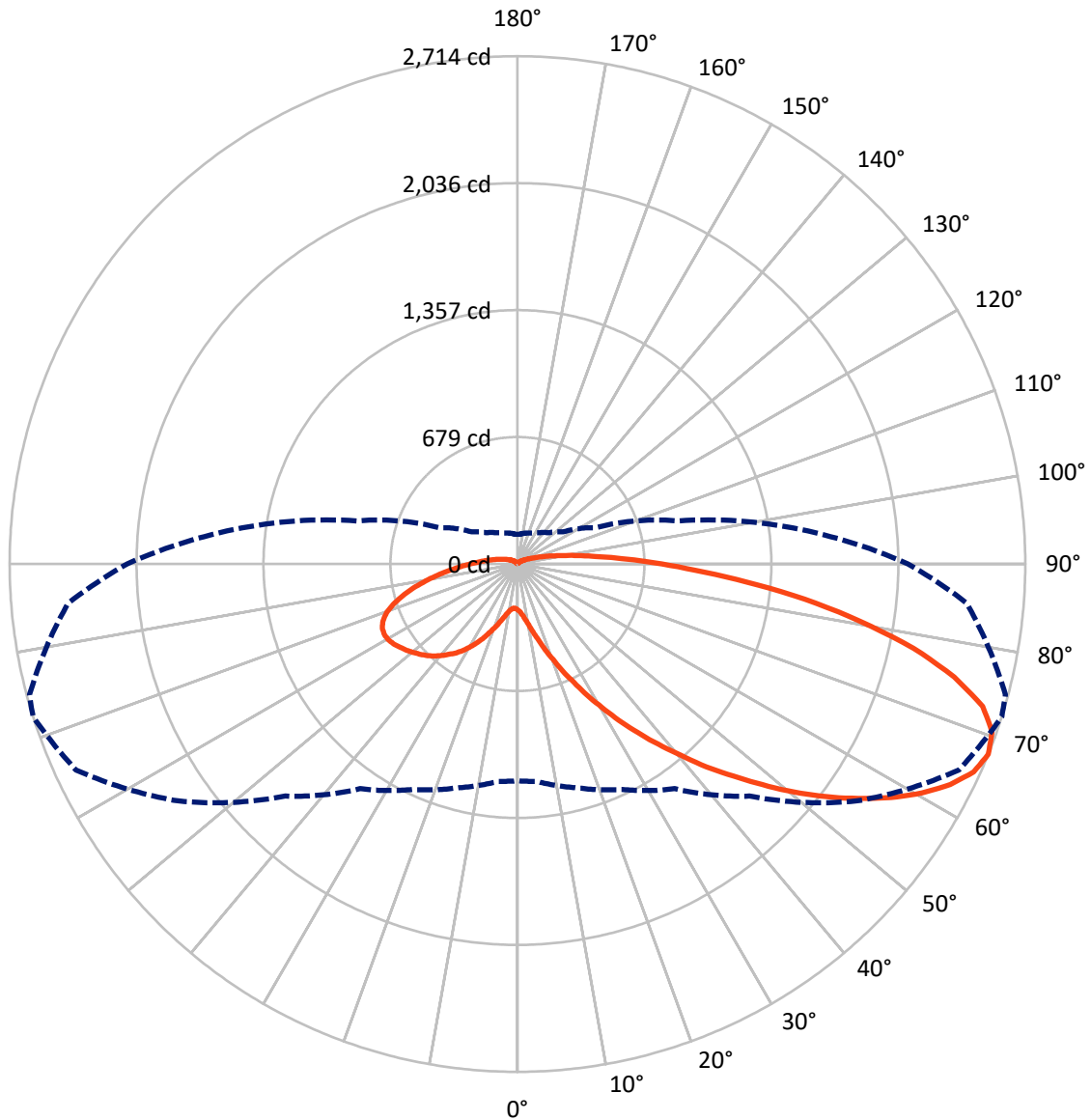
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415497
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415497

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.6	169.6	1362.3
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4181.8	328.9	4510.7
	% Fixture	71.2	5.6	76.8
Total	Lumens	5374.5	498.5	5873.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	0.4
10°-20°	100.2	1.7
20°-30°	242.0	4.1
30°-40°	461.2	7.9
40°-50°	742.3	12.6
50°-60°	1027.1	17.5
60°-70°	1180.1	20.1
70°-80°	1013.0	17.2
80°-90°	583.2	9.9
90°-100°	263.6	4.5
100°-110°	121.2	2.1
110°-120°	60.9	1.0
120°-130°	31.6	0.5
130°-140°	15.0	0.3
140°-150°	5.1	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5374.5	91.5
0°-180°	5873.0	100.0



REPORT NUMBER: P415497

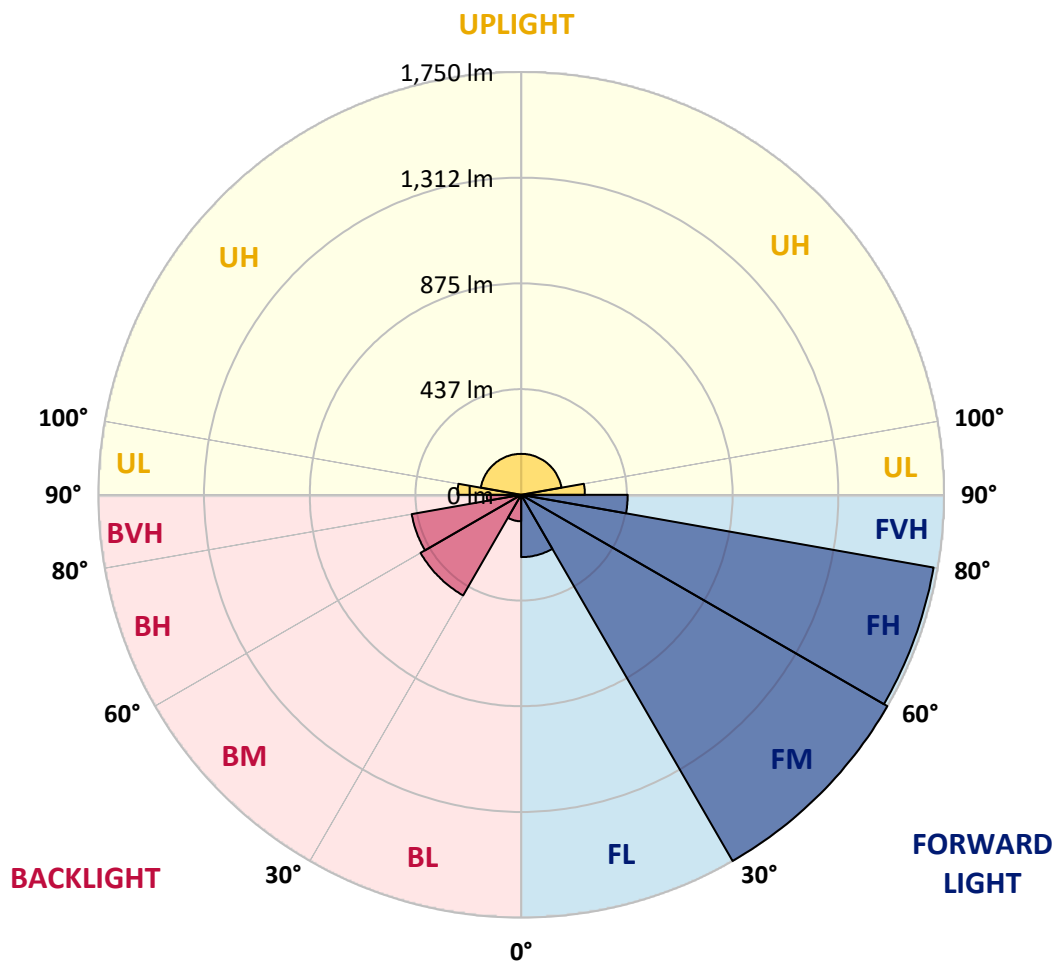
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.9	4.4			
FM (30°-60°)	1749.8	29.8			
FH (60°-80°)	1733.2	29.5			G1/1800
FVH (80°-90°)	440.9	7.5			G3/500
BL (0°-30°)	109.5	1.9	B0/110		
BM (30°-60°)	480.9	8.2	B1/1000		
BH (60°-80°)	459.9	7.8	B1/500		G1/500
BVH (80°-90°)	142.3	2.4			G2/225
UL (90°-100°)	263.6	4.5		U3/500	
UH (100°-180°)	169.6	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415497

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	274.7	274.0	274.7	272.5	270.4	266.2	263.4	257.7	254.9	253.5	247.8
5°	313.5	312.8	312.1	309.3	302.2	297.3	288.8	278.9	272.5	269.7	260.5
7.5°	355.9	354.4	353.0	346.7	341.7	333.3	320.6	307.8	297.3	295.1	278.2
10°	403.9	402.5	399.6	394.7	385.5	373.5	362.2	343.9	330.4	324.1	305.7
12.5°	453.3	456.1	452.6	442.7	432.1	420.8	404.6	386.9	372.8	367.9	339.6
15°	513.3	515.4	511.9	500.6	489.3	472.4	459.6	441.3	422.2	419.4	388.3
17.5°	579.7	579.0	571.9	561.3	551.4	538.0	519.7	502.7	481.5	476.6	438.5
20°	651.7	648.9	642.5	624.9	615.7	600.2	588.9	565.6	545.1	538.0	499.9
22.5°	723.7	722.3	716.7	700.4	689.1	675.7	658.8	637.6	623.5	609.3	567.0
25°	814.1	805.6	798.6	769.6	759.0	746.3	731.5	713.8	700.4	692.6	643.9
27.5°	904.5	898.1	881.9	860.7	840.2	819.7	813.4	797.9	793.6	787.3	732.2
30°	994.1	991.3	973.7	946.8	917.2	897.4	893.9	895.3	888.9	881.2	822.6
32.5°	1095.8	1089.5	1069.7	1033.7	1002.6	979.3	979.3	989.2	994.8	987.1	924.9
35°	1195.4	1189.7	1165.0	1120.5	1085.9	1057.7	1069.0	1092.3	1105.7	1105.7	1028.7
37.5°	1300.6	1287.9	1262.4	1215.8	1169.2	1148.8	1161.5	1201.7	1221.5	1221.5	1143.8
40°	1392.4	1391.6	1357.1	1301.3	1255.4	1225.0	1263.9	1317.5	1343.6	1341.5	1259.6
42.5°	1484.1	1483.4	1450.3	1388.8	1330.9	1315.4	1364.1	1439.7	1482.0	1482.0	1376.8
45°	1566.8	1561.1	1532.9	1465.1	1411.4	1404.4	1476.4	1572.4	1616.2	1623.2	1503.9
47.5°	1627.5	1622.5	1597.8	1532.2	1481.3	1494.0	1580.9	1703.0	1762.3	1761.6	1633.8
50°	1668.4	1663.5	1642.3	1585.8	1542.0	1573.8	1694.5	1841.4	1915.5	1921.2	1762.3
52.5°	1680.4	1677.6	1666.3	1619.7	1591.5	1645.8	1801.2	1982.6	2066.6	2071.6	1902.8
55°	1660.0	1660.0	1659.2	1631.0	1619.7	1710.1	1911.3	2120.3	2211.4	2220.6	2041.2
57.5°	1611.9	1614.1	1626.8	1617.6	1634.5	1761.6	2004.5	2244.6	2354.7	2360.4	2164.8
60°	1539.2	1535.0	1563.2	1580.2	1626.1	1794.1	2087.1	2369.5	2484.6	2486.8	2273.5
62.5°	1429.1	1431.2	1472.1	1516.6	1595.7	1807.5	2159.8	2479.0	2595.5	2600.4	2358.2
65°	1299.2	1304.1	1359.9	1434.7	1543.5	1793.4	2201.5	2563.0	2679.5	2673.2	2407.0
67.5°	1158.6	1165.7	1238.4	1329.5	1465.8	1753.9	2208.6	2603.3	2714.1	2700.0	2411.2
70°	1004.7	1023.1	1095.8	1214.4	1365.5	1678.3	2167.6	2596.2	2690.8	2677.4	2348.4
72.5°	864.9	878.3	958.1	1081.7	1253.3	1568.9	2080.8	2515.0	2599.7	2572.9	2217.0
75°	725.8	746.3	821.9	953.9	1131.8	1433.3	1933.2	2358.2	2410.5	2381.5	2021.5
77.5°	607.2	625.6	700.4	827.5	998.4	1291.4	1739.7	2120.3	2163.4	2133.7	1774.3
80°	494.9	515.4	588.1	713.1	873.4	1124.8	1518.0	1842.1	1858.4	1811.8	1501.8
82.5°	413.8	424.3	492.1	602.3	749.8	970.1	1290.7	1545.6	1546.3	1490.5	1220.1
85°	338.2	344.6	406.7	506.2	632.6	819.7	1059.8	1244.8	1230.7	1200.3	940.5
87.5°	274.0	280.3	336.1	425.8	532.4	684.2	864.9	980.0	946.8	922.8	730.1
90°	224.5	231.6	277.5	355.1	446.9	564.8	688.4	757.6	728.0	709.6	562.7
92.5°	183.6	190.6	230.9	297.3	378.4	462.5	547.2	579.7	559.2	538.0	424.3
95°	155.3	156.7	192.8	248.5	312.8	373.5	428.6	447.6	419.4	411.6	328.3
97.5°	127.8	132.0	160.3	209.7	261.2	311.4	339.6	349.5	324.1	307.1	251.4
100°	108.7	110.9	135.6	175.1	217.5	253.5	275.4	270.4	247.8	237.9	190.6
102.5°	93.2	95.3	115.1	151.8	185.0	211.1	221.7	213.9	192.8	186.4	149.7
105°	81.9	82.6	98.8	128.5	156.7	178.6	182.9	170.9	150.4	141.9	117.9
107.5°	72.7	73.4	86.1	111.6	135.6	150.4	151.8	138.4	118.6	112.3	94.6
110°	65.0	66.4	75.5	96.7	117.2	128.5	127.1	113.0	94.6	89.0	77.7



REPORT NUMBER: P415497

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	58.6	60.0	67.1	84.7	101.7	111.6	108.0	91.1	75.5	72.0	64.3
115°	53.7	55.1	60.7	74.8	89.7	96.7	91.1	75.5	62.1	57.9	53.7
117.5°	50.1	50.8	55.1	66.4	77.7	83.3	77.0	62.8	50.8	48.0	45.9
120°	46.6	47.3	50.8	58.6	68.5	71.3	65.0	51.5	42.4	41.0	40.2
122.5°	43.8	43.8	46.6	52.2	59.3	61.4	55.1	43.1	36.0	34.6	35.3
125°	41.0	41.0	42.4	46.6	51.5	53.0	45.9	36.0	30.4	29.7	31.1
127.5°	38.1	38.1	38.8	41.7	44.5	44.5	38.1	29.7	26.1	25.4	27.5
130°	35.3	35.3	35.3	36.7	38.1	37.4	31.1	24.7	22.6	22.6	24.0
132.5°	32.5	32.5	32.5	32.5	31.8	30.4	25.4	19.8	19.8	19.8	21.2
135°	28.9	28.9	28.9	28.2	26.8	24.7	19.8	16.2	16.2	16.9	18.4
137.5°	26.1	26.1	25.4	24.0	21.9	19.1	15.5	12.7	14.1	14.1	15.5
140°	22.6	22.6	21.9	19.8	16.9	14.1	11.3	10.6	11.3	12.0	13.4
142.5°	19.1	19.1	18.4	16.2	13.4	9.9	7.8	7.8	9.2	9.2	10.6
145°	15.5	15.5	14.8	12.7	9.2	6.4	4.9	5.6	7.1	7.1	7.8
147.5°	12.0	12.0	11.3	9.2	6.4	4.2	2.8	4.2	4.9	4.9	5.6
150°	8.5	8.5	7.8	6.4	4.2	2.1	1.4	2.1	2.8	3.5	3.5
152.5°	5.6	5.6	4.9	4.2	2.1	0.7	1.4	2.1	2.1	2.1	2.8
155°	3.5	2.8	2.8	2.1	0.7	0.0	0.7	1.4	1.4	1.4	2.1
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.7	0.7	0.7	1.4	1.4
160°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



REPORT NUMBER: P415497

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
2.5°	246.4	243.6	239.4	235.1	230.9	228.1	225.2	223.8	221.7	219.6	219.6
5°	254.9	249.2	239.4	229.5	220.3	212.5	204.8	200.5	197.7	194.9	195.6
7.5°	270.4	261.9	245.7	229.5	214.6	201.9	191.3	182.9	177.2	173.7	174.4
10°	292.3	283.1	258.4	235.1	213.9	195.6	180.8	168.7	161.7	158.2	158.2
12.5°	326.9	311.4	278.9	245.7	217.5	192.8	173.7	159.6	149.7	145.4	144.7
15°	368.6	346.7	307.1	266.2	225.9	192.8	168.0	158.2	151.8	149.0	148.3
17.5°	418.0	394.0	339.6	285.2	237.2	197.0	175.8	163.8	156.7	153.9	153.2
20°	471.6	443.4	374.9	309.3	248.5	209.7	183.6	168.7	161.0	158.2	158.2
22.5°	537.3	499.9	413.0	330.4	262.7	220.3	191.3	173.0	165.9	163.1	162.4
25°	605.1	562.7	458.2	353.0	278.2	228.8	197.0	177.2	170.2	167.3	168.0
27.5°	684.9	630.5	502.7	375.6	291.6	233.7	199.8	180.8	173.7	171.6	172.3
30°	768.2	699.7	542.3	398.9	300.8	237.2	201.9	183.6	175.8	174.4	174.4
32.5°	856.5	778.8	583.2	419.4	306.4	237.9	201.9	185.0	177.2	176.5	177.2
35°	946.8	855.0	622.7	435.6	309.3	237.2	201.2	186.4	177.2	177.2	177.2
37.5°	1047.1	929.9	655.9	446.9	310.0	235.1	200.5	185.7	177.2	177.2	177.9
40°	1150.2	1009.7	692.6	456.1	309.3	233.7	199.8	185.7	177.2	177.2	177.9
42.5°	1252.6	1083.8	727.2	461.8	307.8	232.3	199.1	185.7	177.2	175.8	176.5
45°	1363.4	1169.9	760.4	465.3	306.4	231.6	199.1	185.0	177.2	174.4	175.1
47.5°	1466.5	1249.7	787.3	469.5	305.7	231.6	199.8	185.0	176.5	173.7	173.7
50°	1583.0	1332.3	814.8	470.9	304.3	231.6	199.8	185.0	175.8	171.6	172.3
52.5°	1698.1	1415.7	841.6	473.8	304.3	232.3	200.5	185.0	175.1	169.5	169.5
55°	1808.2	1489.8	865.6	475.9	304.3	233.7	202.6	185.0	174.4	167.3	167.3
57.5°	1909.2	1566.0	889.6	476.6	304.3	235.1	202.6	185.7	173.7	165.2	165.2
60°	1998.9	1631.7	906.6	477.3	303.6	236.5	204.1	185.0	173.0	163.1	163.1
62.5°	2062.4	1681.8	915.1	475.2	303.6	236.5	204.8	185.0	172.3	162.4	161.7
65°	2098.4	1699.5	910.1	468.8	302.2	236.5	204.1	184.3	170.9	161.0	160.3
67.5°	2086.4	1680.4	888.9	458.9	298.7	235.8	204.1	182.9	170.9	160.3	158.9
70°	2021.5	1623.2	848.7	444.1	293.7	233.0	201.2	180.8	169.5	159.6	158.2
72.5°	1894.4	1508.1	790.1	420.8	285.2	228.8	197.7	177.2	166.6	157.5	155.3
75°	1717.8	1371.2	718.8	396.8	274.7	223.1	193.5	173.7	163.1	154.6	152.5
77.5°	1491.2	1188.3	639.7	365.7	261.2	215.3	187.8	168.0	158.2	150.4	147.6
80°	1256.1	1001.2	554.3	333.3	247.1	205.5	179.3	161.0	151.8	144.7	141.2
82.5°	1016.7	822.6	474.5	302.2	230.9	194.2	170.9	153.2	144.7	137.0	133.4
85°	802.1	650.3	397.5	269.7	213.9	182.9	161.0	144.0	136.3	127.8	124.3
87.5°	624.2	516.1	332.6	240.1	195.6	170.2	150.4	134.9	125.7	117.9	115.1
90°	486.5	406.7	278.2	211.8	179.3	157.5	139.1	125.0	115.8	108.0	104.5
92.5°	370.7	322.0	233.0	187.1	163.1	144.7	128.5	115.1	105.9	97.4	93.9
95°	290.2	255.6	197.0	164.5	146.9	131.3	117.9	105.2	95.3	86.1	84.0
97.5°	225.2	204.8	165.9	144.0	132.7	118.6	106.6	95.3	85.4	76.3	74.1
100°	177.9	163.1	140.5	127.8	117.9	106.6	96.0	86.1	75.5	65.7	65.0
102.5°	140.5	134.2	119.3	112.3	104.5	96.0	86.8	76.3	65.7	56.5	55.8
105°	115.1	109.4	102.4	98.1	93.2	85.4	77.0	67.8	57.2	48.7	48.7
107.5°	93.2	90.4	86.8	86.1	82.6	76.3	69.2	60.0	49.4	42.4	42.4
110°	76.3	75.5	75.5	75.5	73.4	68.5	61.4	52.2	41.7	36.7	36.7



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CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	64.3	64.3	65.0	66.4	65.0	60.0	53.7	45.2	36.0	31.8	31.8
115°	54.4	55.1	57.2	57.9	57.2	53.7	47.3	38.8	30.4	27.5	28.2
117.5°	47.3	47.3	50.1	51.5	50.8	47.3	41.0	33.2	26.1	24.7	24.7
120°	41.0	42.4	44.5	45.2	44.5	41.0	36.0	28.2	22.6	21.9	21.9
122.5°	36.0	36.7	38.8	40.2	38.8	36.0	30.4	24.0	19.1	19.1	19.8
125°	31.8	32.5	33.9	35.3	33.9	30.4	26.1	19.8	16.9	16.9	16.9
127.5°	28.2	28.9	30.4	30.4	28.9	26.1	21.9	16.9	14.1	14.8	14.8
130°	24.7	25.4	26.1	26.1	25.4	22.6	18.4	14.1	12.7	13.4	13.4
132.5°	21.9	22.6	22.6	22.6	21.2	19.1	15.5	12.0	11.3	12.0	12.0
135°	19.1	19.1	19.8	19.1	17.7	15.5	12.0	9.9	9.9	10.6	10.6
137.5°	16.2	16.9	16.9	15.5	14.1	12.0	9.9	8.5	8.5	9.2	9.2
140°	13.4	14.1	13.4	12.7	11.3	9.9	7.8	6.4	7.1	7.8	7.8
142.5°	11.3	11.3	11.3	9.9	8.5	7.1	5.6	5.6	6.4	6.4	7.1
145°	8.5	8.5	8.5	7.8	6.4	4.9	4.2	4.2	4.9	5.6	5.6
147.5°	6.4	6.4	6.4	5.6	4.2	3.5	2.8	3.5	4.2	4.9	4.2
150°	4.2	4.2	4.2	3.5	2.8	2.1	2.1	2.8	3.5	3.5	3.5
152.5°	2.8	2.8	2.8	2.8	2.1	0.7	1.4	2.1	2.8	2.8	2.8
155°	2.1	2.1	2.1	2.1	1.4	0.0	0.7	1.4	2.1	2.1	2.1
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)