

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: P414682

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-740-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3817 lumens
Efficiency: N/A
Efficacy: 123.1 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: B1 - U2 - G1

Input Watts (W): 31
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

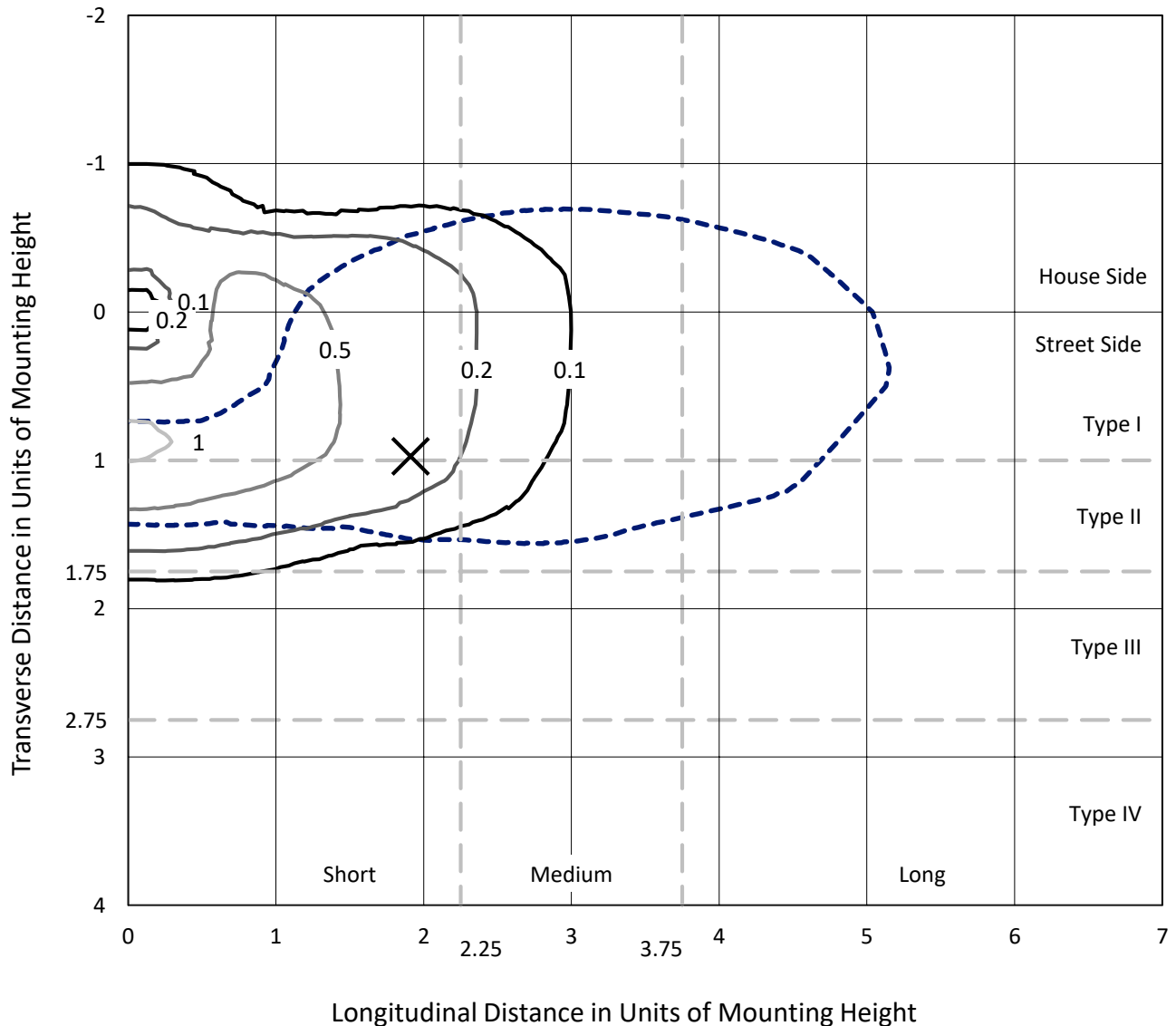


REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

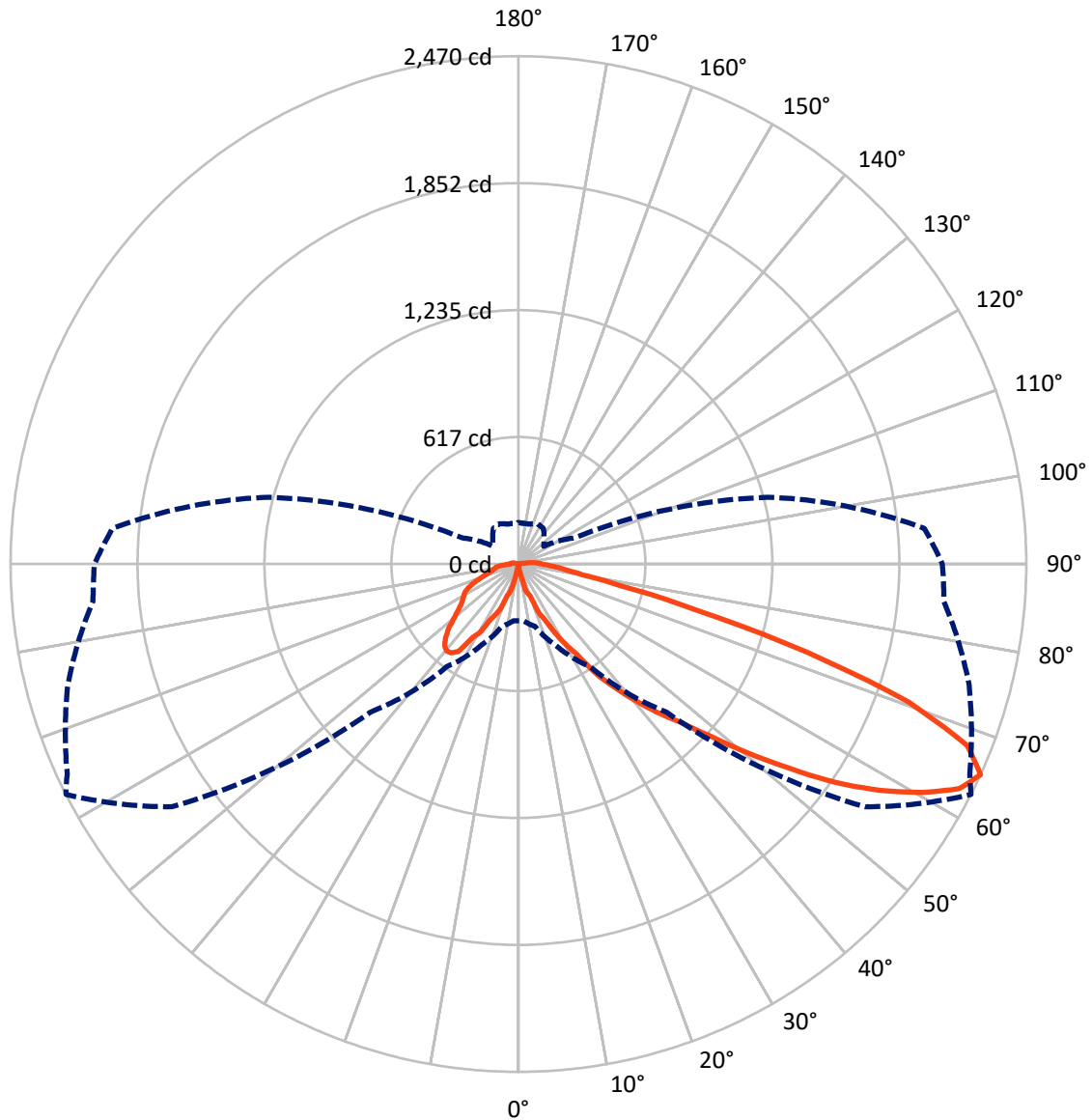


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.3	31.5	1117.8
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	2669.8	29.4	2699.2
	% Fixture	69.9	0.8	70.7
Total	Lumens	3756.1	60.9	3817.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	34.3	0.9
20°-30°	140.2	3.7
30°-40°	364.4	9.5
40°-50°	692.8	18.2
50°-60°	932.7	24.4
60°-70°	883.6	23.1
70°-80°	553.7	14.5
80°-90°	152.0	4.0
90°-100°	42.5	1.1
100°-110°	7.9	0.2
110°-120°	3.8	0.1
120°-130°	2.8	0.1
130°-140°	1.8	0.0
140°-150°	1.5	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3756.1	98.4
0°-180°	3817.0	100.0



REPORT NUMBER: P414682

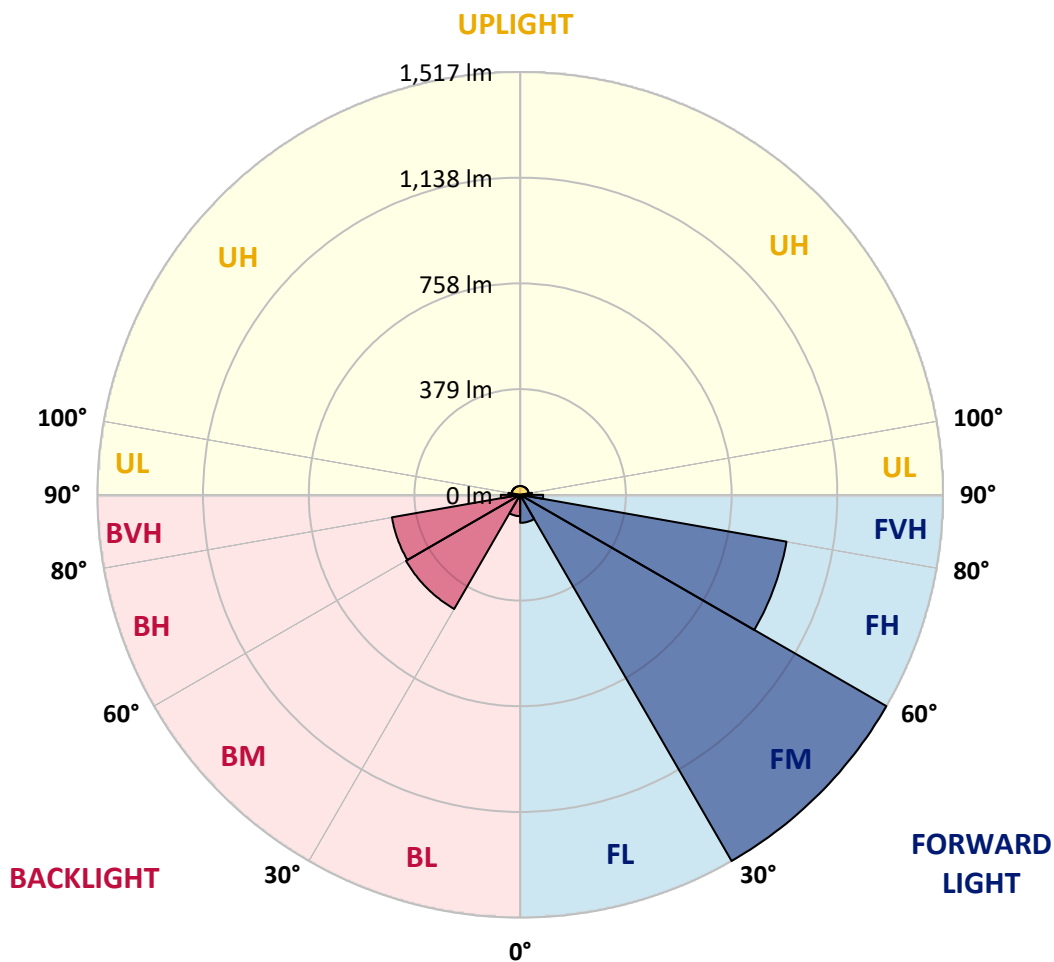
CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.5	2.6			
FM	(30°-60°)	1516.9	39.7			
FH	(60°-80°)	970.0	25.4			G1/1800
FVH	(80°-90°)	82.5	2.2			G1/100
BL	(0°-30°)	76.5	2.0	B0/110		
BM	(30°-60°)	472.9	12.4	B1/1000		
BH	(60°-80°)	467.3	12.2	B1/500		G1/500
BVH	(80°-90°)	69.6	1.8			G1/100
UL	(90°-100°)	42.5	1.1		U2/50	
UH	(100°-180°)	31.5	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.1	4.7	5.1	5.1	4.7	4.2	3.8	3.4	3.0	2.1	1.7
5°	59.6	60.0	59.2	57.9	20.7	9.3	5.5	4.2	3.8	2.5	2.1
7.5°	68.5	68.1	67.6	66.8	63.8	60.0	32.6	7.6	5.9	3.4	2.1
10°	75.2	74.4	72.3	71.9	68.9	66.8	61.7	39.7	33.4	5.9	4.2
12.5°	137.0	134.0	131.5	108.6	76.1	71.9	68.9	60.0	58.8	37.6	56.2
15°	143.3	143.7	142.0	139.5	133.6	89.6	111.6	135.3	134.9	116.7	115.0
17.5°	162.8	161.5	155.1	148.8	146.7	159.4	158.1	150.9	150.9	133.6	126.4
20°	251.5	249.4	245.6	204.6	182.2	205.9	193.2	168.3	169.1	206.3	224.1
22.5°	291.3	290.4	282.8	264.6	257.9	227.0	254.5	263.4	258.3	261.3	250.3
25°	398.7	394.4	361.0	328.9	332.7	306.5	306.1	300.6	297.6	284.5	304.4
27.5°	507.3	503.9	496.3	451.1	384.3	369.5	345.8	377.5	369.1	399.5	406.3
30°	672.2	641.3	577.0	546.6	524.6	454.0	447.3	457.0	454.5	446.0	438.4
32.5°	843.8	831.1	793.5	682.3	612.6	572.0	552.1	522.1	508.1	599.0	605.4
35°	1023.0	1011.2	919.1	854.4	734.7	668.8	657.8	662.0	643.4	687.8	677.2
37.5°	1338.4	1332.5	1239.9	1039.1	914.0	785.0	769.8	764.7	735.6	767.7	768.1
40°	1540.9	1531.2	1428.9	1280.9	1079.3	971.9	897.9	868.7	861.1	862.8	863.2
42.5°	1691.4	1675.8	1616.2	1480.0	1269.5	1143.5	1039.1	982.9	998.1	968.5	966.8
45°	1789.1	1780.6	1726.5	1612.8	1466.9	1404.4	1219.6	1092.8	1144.0	1091.1	1088.6
47.5°	1811.0	1807.2	1769.6	1712.5	1651.7	1625.5	1437.3	1243.3	1290.2	1267.0	1219.6
50°	1715.5	1718.9	1704.9	1725.7	1792.0	1822.0	1666.9	1442.8	1468.6	1413.2	1352.8
52.5°	1506.7	1506.2	1557.0	1648.7	1843.6	1963.7	1879.5	1650.4	1649.1	1548.9	1480.5
55°	1209.5	1232.3	1318.1	1460.6	1773.0	2028.8	2081.2	1878.7	1843.2	1707.5	1594.2
57.5°	921.6	951.2	1056.4	1185.8	1572.2	1982.7	2227.9	2077.0	2040.2	1850.4	1714.7
60°	623.6	635.0	767.7	917.4	1250.5	1805.6	2296.8	2255.8	2215.2	1996.2	1836.4
62.5°	415.6	425.7	501.8	684.0	896.6	1467.4	2252.4	2406.7	2353.0	2168.7	1963.7
65°	276.5	276.5	314.1	440.1	610.0	1018.8	2057.9	2469.7	2421.1	2268.5	2076.5
67.5°	203.8	207.1	219.4	283.7	415.6	609.6	1636.9	2353.4	2358.5	2279.9	2112.5
70°	184.7	186.9	197.4	213.9	296.8	362.7	1081.8	2016.1	2103.6	2193.6	2066.4
72.5°	161.5	162.3	179.2	197.0	233.8	278.2	629.0	1465.2	1649.1	2005.9	1939.6
75°	135.3	136.5	150.1	176.7	202.1	233.4	334.8	892.0	1075.0	1722.3	1771.7
77.5°	109.9	112.9	123.9	144.6	185.6	195.7	257.0	509.8	622.7	1282.6	1497.8
80°	84.5	87.5	97.2	113.7	151.8	172.9	213.5	313.7	377.5	797.3	1046.7
82.5°	57.9	60.0	69.8	82.0	108.6	144.2	176.7	231.2	249.8	436.3	577.5
85°	41.0	42.3	48.6	54.1	67.6	94.7	147.5	183.5	188.5	231.2	235.0
87.5°	23.3	22.8	23.7	27.5	30.9	36.8	87.1	134.4	140.8	161.1	149.7
90°	16.1	15.6	13.1	12.7	14.4	15.6	49.5	107.0	112.5	129.8	133.2
92.5°	16.9	16.1	12.7	11.8	13.5	14.4	33.0	93.4	105.3	129.8	137.0
95°	16.1	15.2	11.4	10.1	12.3	12.7	20.3	64.3	82.9	121.3	134.0
97.5°	14.0	13.1	9.3	8.5	10.1	10.1	11.4	29.6	40.6	56.6	63.8
100°	11.4	10.6	7.6	6.8	7.2	7.6	7.2	14.8	14.8	15.6	12.3
102.5°	10.1	9.7	6.3	5.5	5.1	5.1	4.7	7.2	7.6	8.5	10.6
105°	8.9	8.5	5.5	4.7	3.8	3.8	3.4	4.7	5.1	7.2	10.1
107.5°	6.3	6.3	4.7	3.8	3.4	3.4	2.5	3.8	4.2	6.3	10.6
110°	4.2	4.2	3.4	3.4	3.0	3.4	2.5	3.8	3.8	5.1	8.0



REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	3.4	3.4	3.0	2.5	2.1	2.5	3.0	3.4	3.4	3.8	5.1
115°	3.4	3.0	2.5	2.1	1.7	2.1	2.1	3.0	3.0	3.8	5.1
117.5°	3.4	3.4	2.5	2.1	1.7	1.7	2.1	2.5	2.5	3.8	5.5
120°	3.4	3.4	2.5	2.1	1.7	1.3	1.7	2.5	2.5	3.4	5.1
122.5°	3.4	3.4	2.5	2.1	1.7	1.3	1.7	2.1	2.1	3.0	5.1
125°	3.8	3.8	3.0	2.1	1.7	1.3	1.7	1.7	1.7	3.0	4.7
127.5°	3.8	3.8	3.0	2.1	1.7	1.3	1.7	1.7	1.7	2.5	3.8
130°	3.8	3.8	3.0	2.1	1.7	1.3	1.7	1.3	1.3	2.1	3.4
132.5°	3.8	3.4	3.0	2.5	2.1	1.7	1.7	1.3	1.3	1.3	2.5
135°	3.4	3.4	3.0	2.5	2.1	1.7	1.7	1.3	1.3	1.3	1.7
137.5°	3.4	3.4	3.4	3.0	2.5	2.1	1.7	1.3	1.3	1.3	1.3
140°	3.8	3.8	3.8	3.4	2.5	2.1	1.7	1.3	1.3	1.3	1.3
142.5°	4.2	4.2	4.2	3.8	2.5	2.1	2.1	1.3	1.3	1.3	1.3
145°	4.7	4.7	4.7	3.8	2.5	2.1	2.1	1.7	1.7	1.3	1.7
147.5°	5.1	5.1	4.7	3.8	2.1	1.7	1.7	1.7	1.7	1.7	1.7
150°	4.7	4.2	4.2	3.0	1.7	0.8	1.3	1.3	1.3	1.7	1.7
152.5°	3.4	3.4	3.0	2.1	1.3	0.4	0.8	0.8	1.3	1.3	1.3
155°	2.1	2.1	1.7	1.3	0.8	0.4	0.4	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	1.7	1.7	2.1	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0
5°	1.7	1.7	2.1	2.5	3.0	3.4	3.8	3.8	3.8	4.2	4.2
7.5°	2.1	2.1	2.1	3.0	3.4	4.7	12.7	38.0	58.8	60.5	61.3
10°	4.2	4.2	4.2	4.2	9.3	54.1	67.2	70.2	71.9	73.1	73.1
12.5°	56.6	56.2	20.3	10.1	46.5	70.2	74.4	76.5	78.2	79.5	79.9
15°	115.0	115.4	115.4	116.7	84.5	76.5	80.7	119.2	141.2	145.4	147.1
17.5°	126.0	126.0	125.6	139.9	157.3	124.3	138.7	151.3	155.6	157.7	158.5
20°	230.0	229.6	185.2	160.6	166.1	206.3	155.1	161.1	164.4	196.2	197.0
22.5°	253.6	252.4	246.9	248.2	195.7	223.2	212.6	206.3	226.2	225.3	226.2
25°	311.6	281.1	269.3	266.8	283.7	232.1	246.5	213.5	218.6	217.7	218.6
27.5°	408.0	397.0	369.5	312.4	302.3	286.6	246.9	224.1	252.0	258.3	259.1
30°	437.5	423.6	394.4	397.0	336.9	291.7	240.5	248.2	238.4	237.6	235.9
32.5°	599.9	581.7	537.7	432.9	375.4	273.9	241.8	225.7	230.8	247.7	248.6
35°	668.4	647.6	616.8	552.5	364.0	268.9	221.1	220.3	223.6	224.1	223.2
37.5°	746.1	719.1	689.9	582.1	380.0	243.5	206.3	206.7	214.3	229.1	227.4
40°	836.6	806.6	759.3	599.5	341.2	228.3	196.6	202.9	211.0	207.6	204.6
42.5°	938.5	889.5	815.1	596.1	296.8	210.5	194.0	198.3	197.0	190.7	189.0
45°	1043.8	991.8	869.6	567.7	256.6	199.1	189.4	190.7	185.6	177.6	175.9
47.5°	1165.1	1096.6	900.5	526.3	224.5	198.3	188.1	183.9	174.2	167.0	166.6
50°	1287.3	1212.4	948.6	470.9	200.4	194.9	191.1	182.2	170.4	163.2	162.3
52.5°	1406.9	1341.4	1000.6	424.4	182.2	191.1	192.3	183.0	170.4	159.8	159.4
55°	1527.0	1469.5	1056.9	387.7	169.9	190.7	197.0	185.6	172.9	157.3	156.8
57.5°	1647.4	1591.6	1111.0	363.1	164.4	185.2	200.0	193.6	179.7	166.6	167.4
60°	1790.3	1724.4	1174.8	345.8	162.3	182.2	202.5	202.9	183.9	169.1	171.2
62.5°	1930.7	1863.9	1228.9	329.7	156.8	179.2	203.8	210.1	193.2	180.5	182.6
65°	2061.3	1981.8	1253.9	298.9	150.1	175.9	211.4	216.4	200.4	199.1	201.7
67.5°	2111.2	2037.2	1229.3	260.4	145.8	175.9	219.4	225.3	208.0	214.8	221.5
70°	2063.0	2001.3	1167.6	212.2	147.1	177.1	220.7	229.6	219.0	224.5	230.4
72.5°	1913.4	1834.7	1017.6	170.8	147.1	175.4	215.2	222.8	214.8	232.9	238.9
75°	1724.4	1587.4	810.0	140.8	142.9	174.6	202.5	211.4	203.3	222.4	228.7
77.5°	1424.2	1248.8	560.1	124.3	137.0	167.0	189.4	191.1	183.0	194.5	197.4
80°	1004.4	841.7	354.7	112.5	131.1	150.9	167.8	164.9	156.8	159.0	161.5
82.5°	560.1	445.2	206.7	103.6	123.0	125.6	137.4	138.2	127.7	128.1	128.5
85°	222.4	205.9	139.9	87.1	99.3	90.5	102.7	107.0	96.8	85.0	82.4
87.5°	147.5	139.9	97.7	59.6	60.9	51.2	66.8	69.3	57.1	49.5	49.0
90°	140.4	136.1	84.1	40.2	33.8	27.9	37.2	35.9	27.5	24.1	24.5
92.5°	144.6	142.0	85.4	38.5	33.0	26.6	33.0	28.3	20.7	18.2	18.6
95°	142.5	141.2	83.3	37.6	31.3	24.5	27.9	22.8	16.1	14.4	14.4
97.5°	67.6	71.4	51.6	33.8	27.9	20.7	21.6	17.3	11.4	10.6	10.1
100°	10.1	16.1	27.9	31.3	20.7	14.4	14.0	11.4	7.2	6.8	6.8
102.5°	10.6	11.4	17.3	21.6	11.4	7.6	7.6	6.8	5.5	6.3	6.3
105°	11.4	10.6	10.1	11.8	6.8	4.7	4.2	4.2	4.7	6.8	7.2
107.5°	12.3	11.4	8.0	6.3	5.1	4.2	3.4	3.0	4.2	7.2	7.6
110°	9.3	8.9	6.8	5.1	5.1	4.7	3.0	3.0	4.7	7.6	8.5



REPORT NUMBER: P414682

CATALOG NUMBER: LXF.LXT-PA1-30-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.5	6.3	5.9	4.7	4.2	4.2	3.0	3.0	4.7	8.0	8.9
115°	5.9	5.9	5.1	3.8	3.4	3.4	3.0	2.5	4.7	8.5	8.9
117.5°	5.9	5.9	5.1	3.8	3.0	2.5	2.5	2.5	4.7	8.5	8.9
120°	5.9	5.9	5.1	3.4	3.0	2.5	2.5	2.5	4.7	8.0	8.9
122.5°	5.5	5.5	4.7	3.4	2.5	2.5	2.5	2.5	4.7	7.6	8.0
125°	5.1	5.1	4.2	3.0	2.5	2.1	2.5	2.5	4.2	6.8	7.2
127.5°	4.2	4.7	3.8	3.0	2.5	2.1	2.5	2.5	3.8	5.9	6.3
130°	3.8	3.8	3.4	2.5	2.1	2.1	2.5	2.5	3.8	5.5	5.9
132.5°	3.0	3.0	2.5	2.5	2.1	2.1	2.1	2.1	3.0	4.7	4.7
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5	3.4	3.8
137.5°	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0
140°	1.3	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5
142.5°	1.3	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.5	3.0	3.0
145°	1.7	1.7	2.1	2.1	2.1	1.7	2.1	2.1	2.5	3.0	3.0
147.5°	1.7	1.7	2.1	2.1	2.1	1.7	1.7	2.1	2.5	3.0	3.0
150°	1.7	1.7	2.1	2.1	1.7	1.3	1.7	1.7	2.1	3.0	3.0
152.5°	1.7	1.7	1.7	1.7	1.3	0.8	1.3	1.3	1.7	2.1	2.1
155°	1.3	1.3	1.3	1.3	1.3	0.8	0.8	0.8	1.3	1.3	1.7
157.5°	0.8	0.8	0.8	1.3	0.8	0.8	0.4	0.4	0.4	0.8	0.8
160°	0.4	0.4	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
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)