

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: P415931

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-740-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6914 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

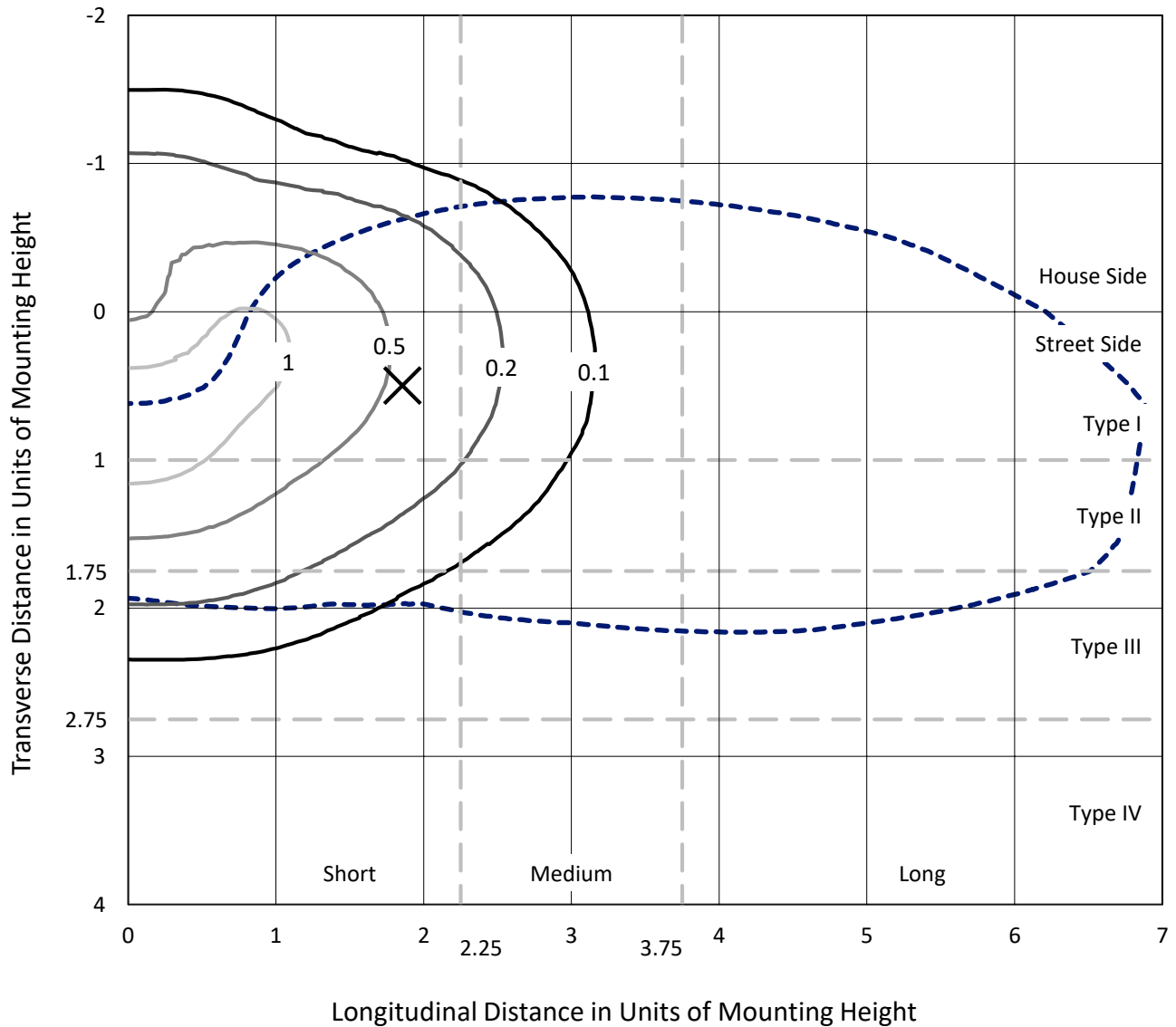
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415931
 CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

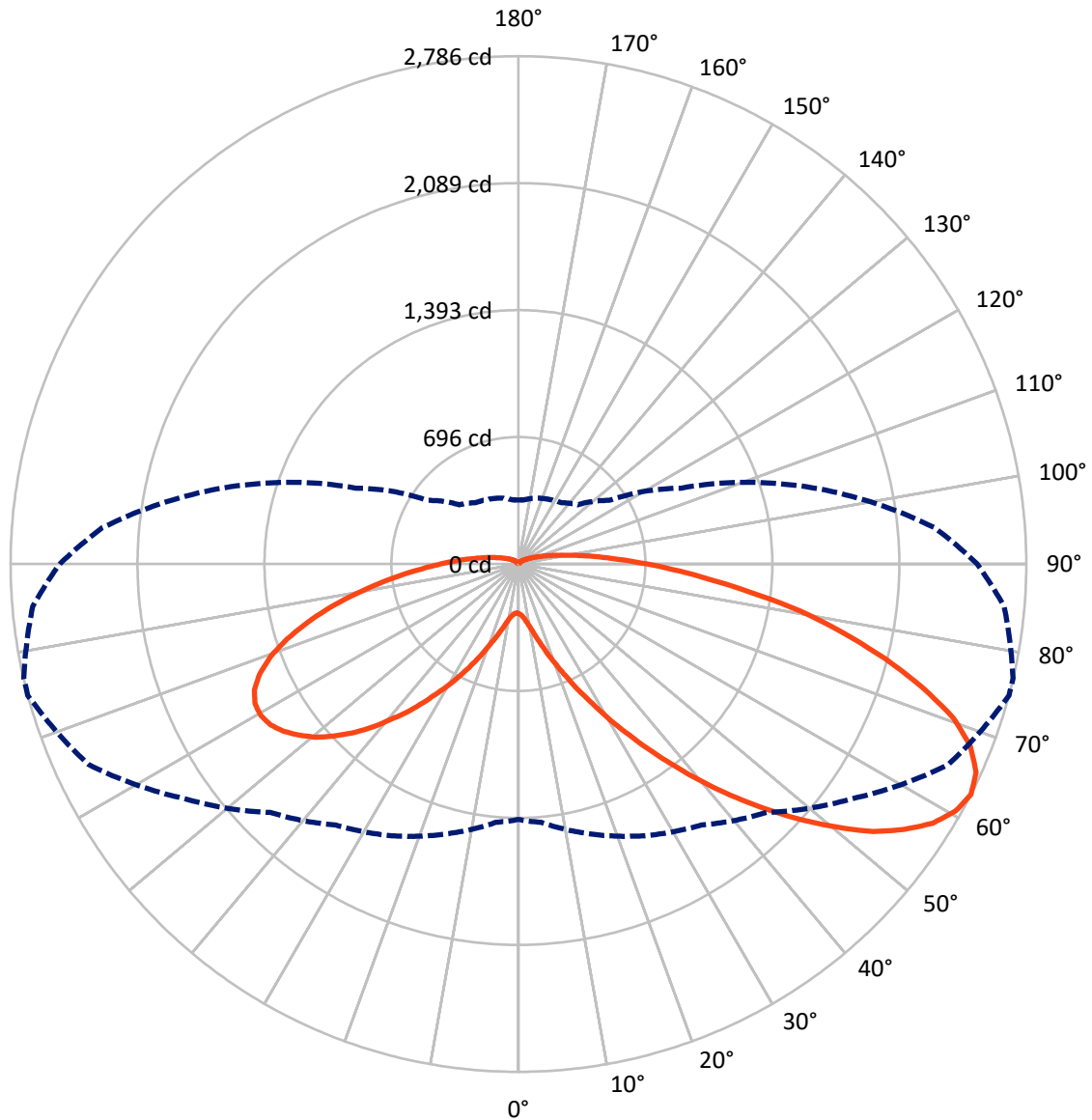


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

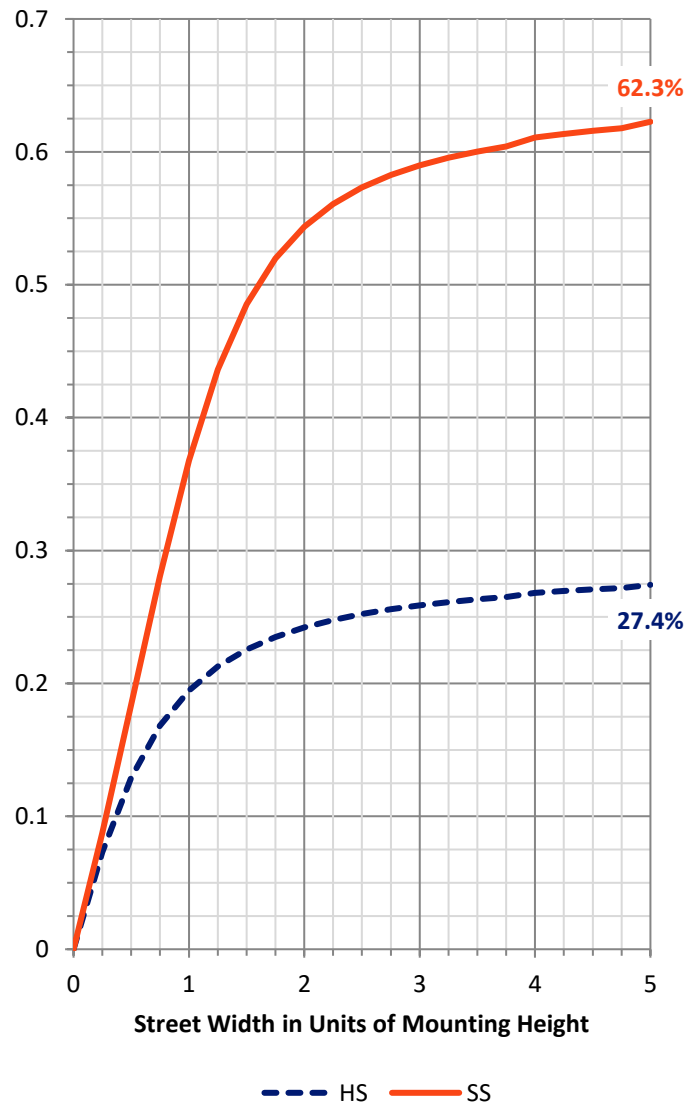
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1977.2	210.3	2187.5
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4437.9	288.7	4726.5
	% Fixture	64.2	4.2	68.4
Total	Lumens	6415.1	498.9	6914.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	0.4
10°-20°	120.3	1.7
20°-30°	311.3	4.5
30°-40°	637.1	9.2
40°-50°	1056.5	15.3
50°-60°	1370.6	19.8
60°-70°	1349.9	19.5
70°-80°	991.9	14.3
80°-90°	548.9	7.9
90°-100°	259.3	3.7
100°-110°	123.9	1.8
110°-120°	63.2	0.9
120°-130°	32.7	0.5
130°-140°	15.0	0.2
140°-150°	4.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6415.1	92.8
0°-180°	6914.0	100.0



REPORT NUMBER: P415931

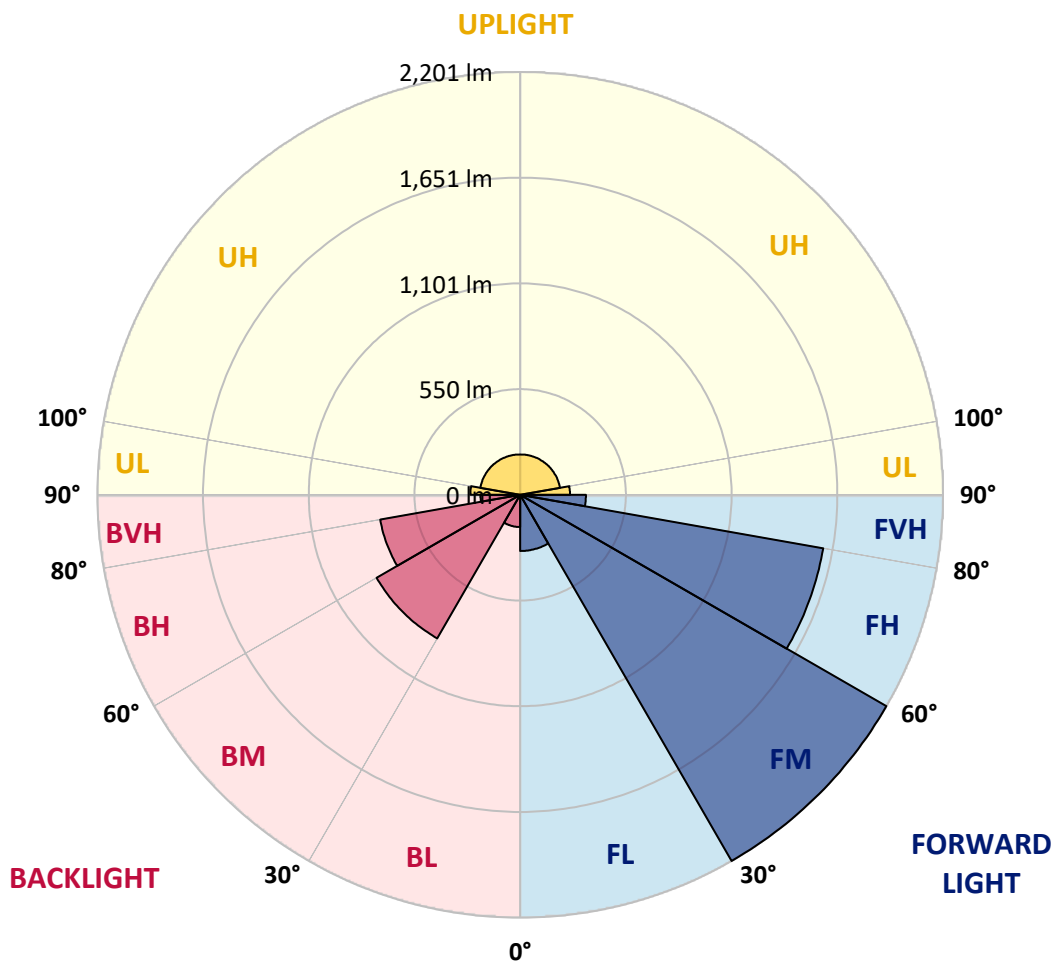
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.5	4.2			
FM	(30°-60°)	2201.1	31.8			
FH	(60°-80°)	1602.2	23.2			G1/1800
FVH	(80°-90°)	342.1	4.9			G3/500
BL	(0°-30°)	167.8	2.4	B1/500		
BM	(30°-60°)	863.1	12.5	B1/1000		
BH	(60°-80°)	739.6	10.7	B2/1000		G2/1000
BVH	(80°-90°)	206.8	3.0			G2/225
UL	(90°-100°)	259.3	3.7		U3/500	
UH	(100°-180°)	210.3	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6
2.5°	302.6	300.2	298.5	296.1	294.5	291.2	287.9	283.0	279.0	278.1	274.9
5°	334.4	330.4	330.4	326.3	320.6	316.5	310.0	301.8	295.3	291.2	287.9
7.5°	375.2	372.0	367.9	364.6	358.9	351.6	342.6	332.0	318.9	316.5	308.3
10°	420.9	419.3	416.0	409.5	402.1	392.3	380.1	367.1	352.4	349.9	336.1
12.5°	481.3	481.3	476.4	467.4	456.8	438.8	428.2	414.4	397.2	394.8	375.2
15°	555.5	552.2	545.7	530.2	518.0	503.3	490.2	472.3	449.4	445.4	427.4
17.5°	637.0	630.5	627.3	612.6	596.3	578.3	560.4	540.8	515.5	509.0	487.8
20°	728.4	732.5	720.2	703.9	679.5	661.5	641.1	615.8	588.1	583.2	557.9
22.5°	843.4	840.2	823.0	800.2	776.5	757.0	730.9	705.6	668.0	663.2	633.8
25°	970.7	967.4	945.4	916.8	889.9	854.8	824.7	797.7	766.7	759.4	724.3
27.5°	1095.5	1111.8	1078.3	1043.3	1011.4	972.3	936.4	902.1	867.1	861.4	824.7
30°	1265.9	1270.0	1230.9	1182.7	1139.5	1090.6	1053.0	1022.1	991.9	973.1	939.7
32.5°	1443.8	1430.7	1399.7	1341.0	1272.5	1217.8	1176.2	1147.7	1119.1	1109.3	1060.4
35°	1619.9	1619.9	1571.8	1492.7	1403.0	1347.5	1306.7	1289.6	1263.5	1248.0	1193.3
37.5°	1792.9	1790.4	1741.5	1648.5	1556.3	1480.5	1454.4	1434.8	1416.8	1401.3	1334.5
40°	1963.4	1959.3	1900.5	1810.0	1702.3	1624.0	1602.8	1606.1	1584.9	1563.7	1496.8
42.5°	2100.4	2098.8	2052.3	1961.7	1832.8	1763.5	1742.3	1761.9	1752.1	1731.7	1653.4
45°	2209.7	2202.3	2165.6	2073.5	1956.8	1883.4	1889.1	1936.4	1925.0	1915.2	1818.2
47.5°	2255.4	2254.6	2234.2	2154.2	2046.6	1995.2	2027.8	2093.9	2097.9	2089.8	1981.3
50°	2243.1	2246.4	2244.8	2195.8	2107.7	2081.6	2144.4	2257.0	2270.0	2261.9	2150.1
52.5°	2171.4	2173.0	2199.9	2178.7	2128.9	2136.3	2248.0	2392.4	2438.1	2416.1	2299.4
55°	2019.6	2040.0	2093.0	2105.3	2098.8	2148.5	2310.0	2500.1	2569.4	2562.1	2429.1
57.5°	1863.0	1853.2	1929.1	1987.8	2022.1	2115.9	2330.4	2576.7	2681.2	2671.4	2544.9
60°	1634.6	1649.3	1742.3	1826.3	1898.9	2037.6	2311.6	2617.5	2753.7	2748.0	2629.8
62.5°	1401.3	1422.6	1532.7	1644.4	1748.0	1926.6	2241.5	2602.0	2785.6	2784.7	2674.6
65°	1181.9	1204.8	1305.9	1441.3	1573.5	1776.6	2119.1	2536.0	2758.6	2760.3	2666.5
67.5°	987.0	999.2	1105.3	1254.5	1383.4	1600.4	1961.7	2405.5	2673.8	2682.8	2601.2
70°	813.2	822.2	925.0	1057.9	1207.2	1403.8	1770.8	2238.2	2531.9	2535.1	2483.8
72.5°	667.2	675.4	774.1	892.4	1030.2	1231.7	1574.3	2009.8	2318.2	2350.8	2302.7
75°	533.5	549.8	634.6	749.6	872.8	1052.2	1366.3	1764.3	2078.4	2106.1	2098.8
77.5°	434.8	456.8	524.5	623.2	736.6	892.4	1158.3	1522.1	1824.7	1847.5	1853.2
80°	350.7	367.1	434.8	522.0	618.3	753.7	968.2	1285.5	1569.4	1571.8	1569.4
82.5°	284.7	296.9	357.3	436.4	521.2	633.8	811.6	1072.6	1287.1	1313.3	1318.1
85°	231.7	240.6	292.8	363.8	435.6	531.0	669.7	876.0	1045.7	1072.6	1063.7
87.5°	186.0	198.2	239.8	300.2	367.1	442.9	557.1	708.8	844.2	855.7	854.0
90°	152.5	156.6	198.2	249.6	310.0	367.9	455.2	571.0	672.1	692.5	678.6
92.5°	123.2	129.7	164.8	211.3	258.6	309.1	377.7	469.0	531.8	544.1	537.5
95°	103.6	106.9	138.7	177.0	217.8	263.5	311.6	374.4	420.9	425.0	426.6
97.5°	86.5	89.7	115.8	150.9	186.0	222.7	259.4	305.9	336.9	336.1	333.6
100°	74.2	75.9	99.5	131.3	162.3	189.2	217.8	246.3	265.1	270.8	261.8
102.5°	64.4	65.3	85.6	113.4	139.5	163.1	184.3	204.7	212.1	212.9	208.8
105°	57.1	57.9	75.0	97.9	121.5	139.5	155.8	168.0	171.3	171.3	166.4
107.5°	50.6	51.4	64.4	86.5	107.7	122.4	133.8	140.3	138.7	137.9	134.6
110°	46.5	46.5	57.1	76.7	93.8	106.9	115.8	116.6	112.6	112.6	109.3



REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	42.4	42.4	50.6	67.7	83.2	94.6	100.3	98.7	93.0	91.4	91.4
115°	39.2	39.2	44.9	59.5	74.2	83.2	87.3	83.2	76.7	75.9	75.0
117.5°	36.7	36.7	40.8	53.0	65.3	73.4	75.9	71.8	64.4	63.6	63.6
120°	34.3	34.3	37.5	46.5	57.9	64.4	66.1	61.2	53.8	53.8	54.7
122.5°	32.6	32.6	34.3	41.6	51.4	57.1	57.1	52.2	45.7	45.7	46.5
125°	31.0	31.0	31.8	36.7	44.9	49.8	48.9	43.2	39.2	39.2	40.0
127.5°	29.4	29.4	29.4	32.6	39.2	43.2	42.4	36.7	33.4	33.4	35.1
130°	27.7	27.7	26.9	28.5	33.4	36.7	35.1	31.0	28.5	28.5	30.2
132.5°	26.1	26.1	24.5	25.3	28.5	30.2	28.5	25.3	24.5	24.5	25.3
135°	24.5	23.7	22.8	22.0	23.7	24.5	22.8	20.4	20.4	20.4	22.0
137.5°	22.0	22.0	20.4	18.8	18.8	18.8	17.9	15.5	16.3	17.1	17.9
140°	20.4	20.4	18.8	16.3	14.7	14.7	13.1	12.2	13.1	13.9	14.7
142.5°	17.9	17.9	16.3	13.9	11.4	9.8	9.0	8.2	9.8	10.6	10.6
145°	15.5	15.5	13.9	10.6	8.2	5.7	4.9	5.7	6.5	7.3	8.2
147.5°	13.1	12.2	10.6	8.2	4.1	2.4	1.6	3.3	4.1	4.1	4.9
150°	9.8	9.8	8.2	5.7	2.4	0.0	0.8	1.6	2.4	2.4	3.3
152.5°	7.3	6.5	5.7	3.3	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	4.1	4.1	3.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.0	0.0	0.0	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



REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6	271.6
2.5°	273.3	270.8	267.5	265.1	262.7	259.4	257.8	255.3	255.3	255.3	256.9
5°	283.0	279.8	272.4	265.9	259.4	254.5	249.6	246.3	244.7	243.1	243.9
7.5°	301.0	296.9	285.5	274.1	265.1	256.1	249.6	243.9	241.4	240.6	240.6
10°	328.7	321.4	304.3	288.8	275.7	263.5	254.5	247.2	243.9	241.4	241.4
12.5°	366.2	355.6	335.2	314.0	294.5	278.1	265.1	259.4	256.9	255.3	256.1
15°	416.0	404.6	373.6	345.8	320.6	298.5	286.3	280.6	277.3	275.7	274.9
17.5°	473.9	457.6	420.1	384.2	352.4	327.9	312.4	303.4	297.7	294.5	295.3
20°	537.5	516.3	468.2	429.0	388.3	363.8	340.1	325.5	318.1	316.5	317.3
22.5°	609.3	587.3	531.8	474.7	432.3	395.6	367.1	348.3	339.3	338.5	338.5
25°	694.1	664.8	599.5	527.7	473.1	426.6	393.2	370.3	360.5	357.3	357.3
27.5°	790.4	751.2	670.5	588.1	513.1	454.3	415.2	389.1	378.5	376.0	376.0
30°	896.4	855.7	752.9	645.2	551.4	478.8	434.8	407.0	393.2	389.9	390.7
32.5°	1013.1	960.1	830.4	706.4	584.8	498.4	447.8	420.1	404.6	400.5	400.5
35°	1139.5	1077.5	922.5	765.9	616.7	513.9	457.6	429.0	411.9	407.8	407.0
37.5°	1281.4	1203.9	1018.0	820.6	641.9	523.7	464.1	434.8	416.0	410.3	409.5
40°	1429.9	1341.0	1106.1	870.3	663.2	529.4	465.8	437.2	417.6	408.7	407.8
42.5°	1568.6	1470.7	1206.4	916.0	676.2	531.8	464.9	436.4	416.0	403.8	402.9
45°	1721.9	1602.0	1298.6	957.6	684.4	530.2	461.7	432.3	412.7	397.2	395.6
47.5°	1882.6	1744.7	1383.4	987.8	687.6	525.3	457.6	429.0	407.0	389.9	388.3
50°	2027.8	1867.1	1462.5	1011.4	686.0	518.0	451.1	424.2	402.1	382.6	380.9
52.5°	2169.7	1995.2	1524.5	1024.5	677.8	509.8	445.4	418.4	396.4	376.0	373.6
55°	2298.6	2096.3	1580.0	1030.2	667.2	499.2	437.2	413.6	391.5	369.5	367.1
57.5°	2398.1	2191.7	1620.8	1022.9	650.9	487.0	429.0	406.2	385.8	363.8	361.3
60°	2471.5	2254.6	1639.5	1009.0	632.2	473.1	419.3	398.9	380.1	358.9	356.5
62.5°	2515.6	2289.6	1635.4	984.5	608.5	459.2	410.3	391.5	374.4	353.2	351.6
65°	2508.2	2275.8	1604.5	945.4	583.2	441.3	396.4	381.7	366.2	346.7	344.2
67.5°	2448.7	2219.5	1541.6	896.4	554.7	423.3	383.4	368.7	355.6	338.5	333.6
70°	2342.6	2115.9	1451.1	835.3	522.0	402.9	367.9	354.0	342.6	326.3	321.4
72.5°	2164.0	1965.0	1336.1	771.6	487.0	379.3	347.5	336.1	323.8	310.8	305.1
75°	1960.1	1775.7	1200.7	696.6	449.4	355.6	326.3	314.9	303.4	289.6	284.7
77.5°	1738.2	1561.2	1060.4	630.5	411.1	328.7	302.6	292.8	281.4	266.7	261.0
80°	1473.1	1332.0	911.1	554.7	372.8	302.6	278.1	267.5	255.3	241.4	235.7
82.5°	1234.1	1109.3	773.3	486.1	334.4	275.7	254.5	239.0	227.6	213.7	203.9
85°	1009.0	921.7	648.5	417.6	298.5	248.0	226.8	213.7	200.7	184.3	177.8
87.5°	811.6	737.4	532.6	360.5	263.5	221.1	201.5	188.4	173.7	156.6	150.9
90°	641.9	596.3	442.9	310.0	233.3	198.2	178.6	164.8	148.5	133.0	129.7
92.5°	509.0	477.2	366.2	263.5	205.6	175.4	157.4	143.6	127.2	111.7	106.9
95°	409.5	378.5	300.2	230.0	180.3	154.2	138.7	125.6	109.3	93.8	90.5
97.5°	327.1	302.6	246.3	193.3	158.2	137.0	123.2	109.3	93.0	79.1	77.5
100°	256.1	241.4	203.9	166.4	139.5	121.5	108.5	96.3	79.9	66.1	65.3
102.5°	204.7	196.6	169.7	143.6	122.4	107.7	97.1	84.0	69.3	56.3	55.5
105°	164.8	159.9	141.1	123.2	108.5	96.3	86.5	73.4	58.7	48.1	48.1
107.5°	133.8	129.7	118.3	105.2	95.4	86.5	75.9	64.4	50.6	41.6	41.6
110°	109.3	107.7	100.3	91.4	84.0	76.7	66.9	55.5	43.2	36.7	36.7



REPORT NUMBER: P415931

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	91.4	90.5	84.8	79.9	74.2	67.7	59.5	48.9	37.5	31.8	32.6
115°	75.9	75.9	72.6	69.3	65.3	60.4	52.2	41.6	31.8	28.5	28.5
117.5°	64.4	63.6	62.8	60.4	57.9	53.0	44.9	35.9	26.9	25.3	26.1
120°	55.5	55.5	53.8	53.0	50.6	45.7	39.2	30.2	22.8	22.8	22.8
122.5°	47.3	48.1	46.5	45.7	44.0	40.8	33.4	25.3	20.4	19.6	20.4
125°	41.6	41.6	40.8	40.0	38.3	34.3	28.5	21.2	17.1	17.9	17.9
127.5°	35.1	35.9	35.1	34.3	33.4	29.4	23.7	17.1	14.7	15.5	15.5
130°	31.0	31.0	30.2	29.4	27.7	24.5	19.6	13.9	13.1	13.9	13.9
132.5°	26.1	26.1	26.1	24.5	22.8	20.4	15.5	11.4	10.6	12.2	12.2
135°	22.0	22.0	22.0	20.4	18.8	15.5	11.4	9.0	9.0	10.6	10.6
137.5°	17.9	18.8	17.9	16.3	14.7	12.2	9.0	6.5	7.3	9.0	9.0
140°	14.7	14.7	13.9	13.1	10.6	8.2	5.7	4.9	6.5	7.3	7.3
142.5°	11.4	11.4	10.6	9.0	7.3	5.7	3.3	3.3	4.9	5.7	5.7
145°	8.2	8.2	7.3	5.7	4.1	2.4	0.8	1.6	3.3	4.1	4.1
147.5°	4.9	4.9	4.9	4.1	2.4	0.8	0.0	0.8	1.6	2.4	2.4
150°	3.3	3.3	3.3	2.4	1.6	0.0	0.0	0.0	0.8	1.6	1.6
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)