

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: P415897

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6261 lumens
Efficiency: N/A
Efficacy: 97.8 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: B2 - U3 - G4

Input Watts (W): 64
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

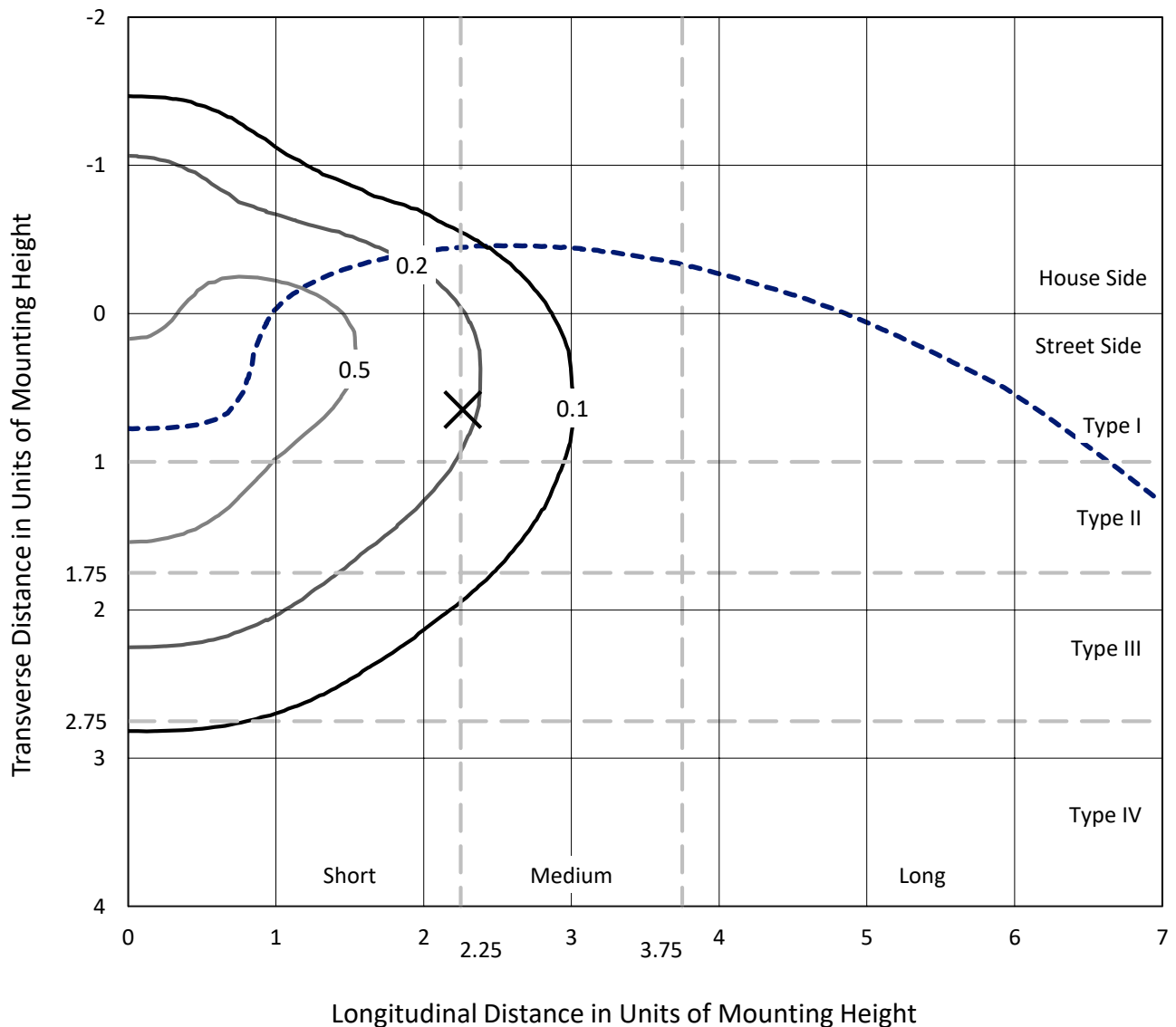


REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

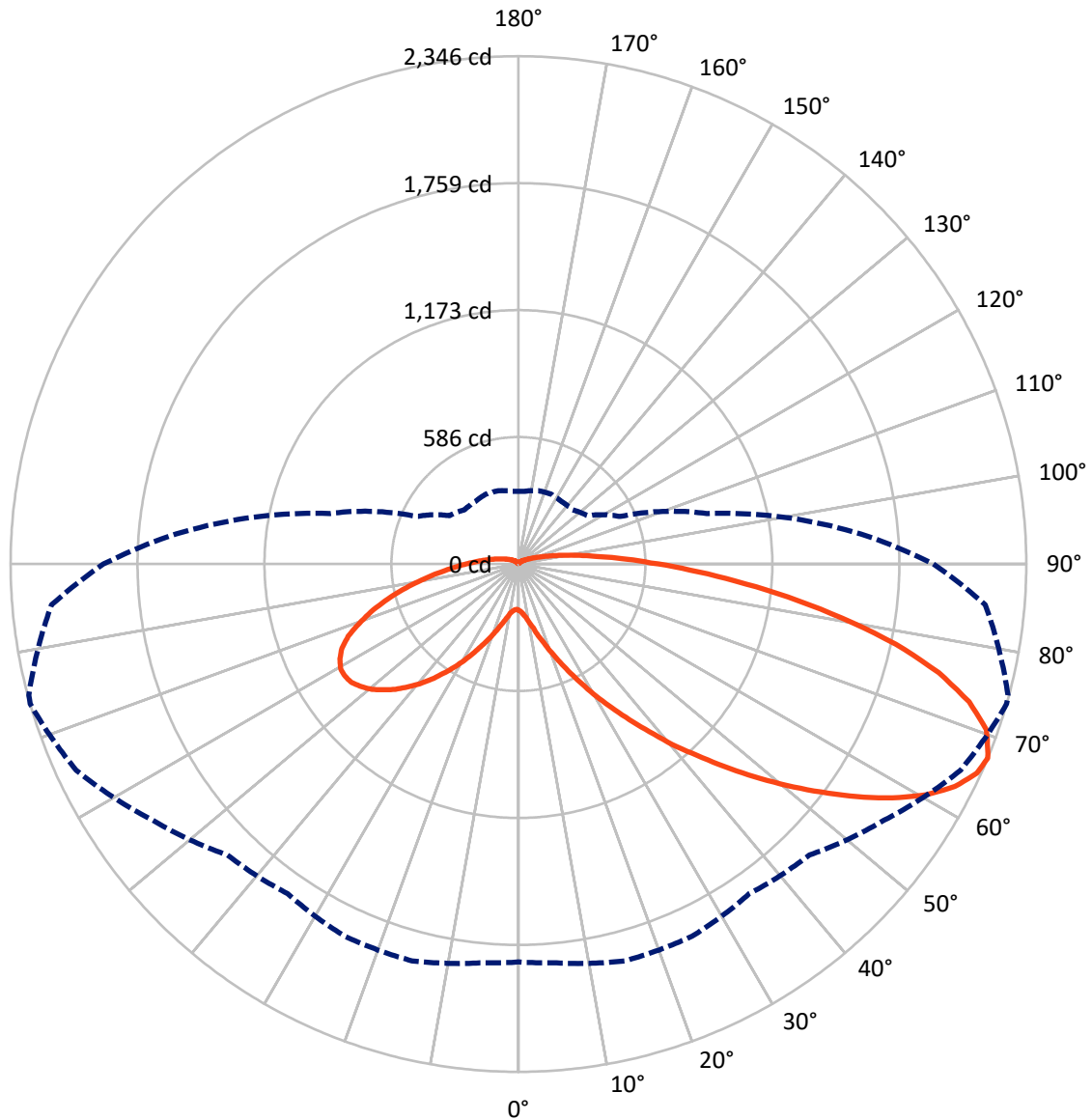


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1460.0	175.5	1635.5
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4225.2	400.3	4625.5
	% Fixture	67.5	6.4	73.9
Total	Lumens	5685.2	575.8	6261.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.4
10°-20°	91.2	1.5
20°-30°	226.5	3.6
30°-40°	442.4	7.1
40°-50°	731.7	11.7
50°-60°	1060.6	16.9
60°-70°	1283.7	20.5
70°-80°	1141.2	18.2
80°-90°	685.5	10.9
90°-100°	314.7	5.0
100°-110°	140.1	2.2
110°-120°	66.9	1.1
120°-130°	33.2	0.5
130°-140°	15.2	0.2
140°-150°	5.0	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5685.2	90.8
0°-180°	6261.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415897

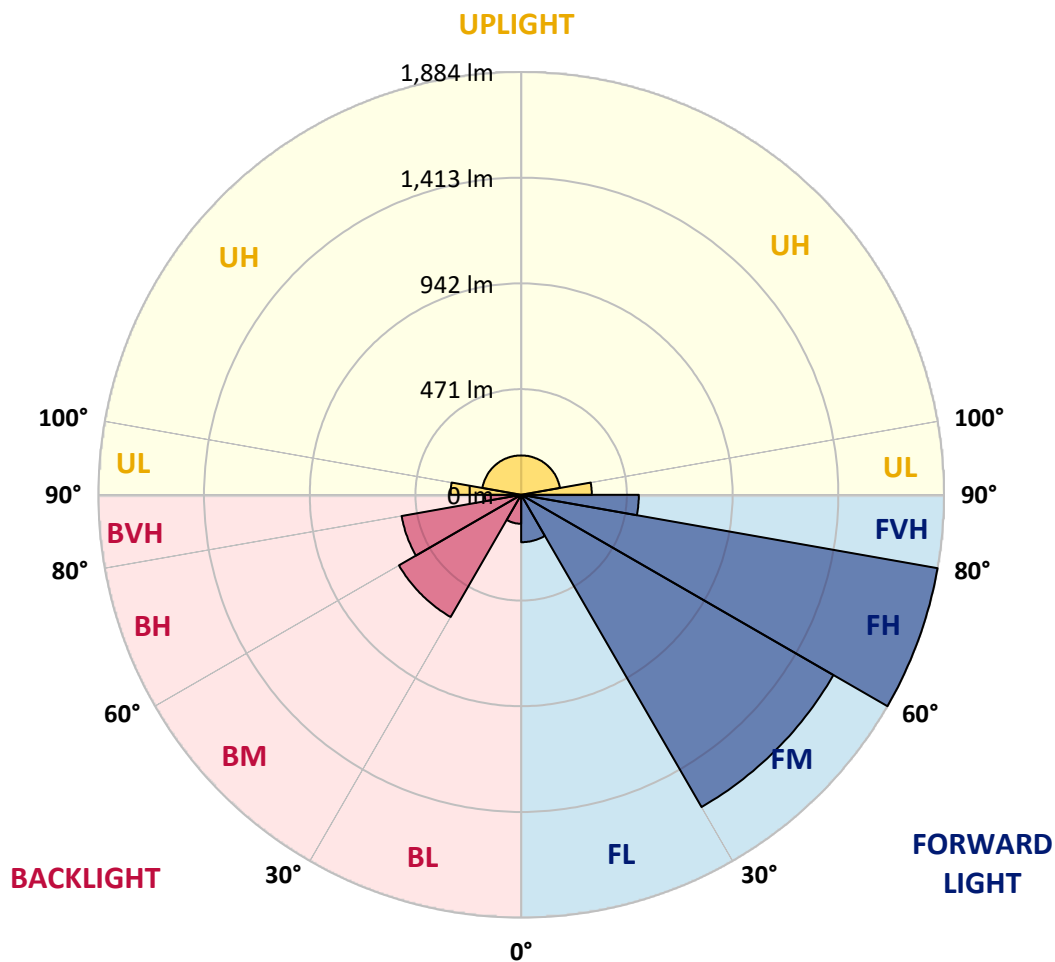
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.1	3.4			
FM (30°-60°)	1606.3	25.7			
FH (60°-80°)	1883.8	30.1			G2/5000
FVH (80°-90°)	524.0	8.4			G4/750
BL (0°-30°)	129.0	2.1	B1/500		
BM (30°-60°)	628.4	10.0	B1/1000		
BH (60°-80°)	541.0	8.6	B2/1000		G2/1000
BVH (80°-90°)	161.6	2.6			G2/225
UL (90°-100°)	314.7	5.0		U3/500	
UH (100°-180°)	175.5	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2
2.5°	235.5	233.3	233.3	231.8	231.1	228.8	227.4	222.2	219.9	219.9	216.2
5°	260.8	259.3	256.3	256.3	253.4	250.4	244.4	237.8	232.6	231.8	225.1
7.5°	292.0	288.3	288.3	284.6	280.1	274.9	266.7	257.8	249.6	248.9	238.5
10°	327.7	326.2	324.7	319.5	313.5	303.1	295.7	283.1	273.4	272.7	258.6
12.5°	371.5	369.3	364.8	359.6	349.2	341.8	328.4	314.3	301.7	302.4	286.1
15°	419.1	417.6	414.6	406.4	394.5	384.1	370.8	355.9	343.3	338.1	321.0
17.5°	473.3	470.3	466.6	457.7	444.3	433.9	416.1	402.0	385.6	386.4	361.8
20°	537.2	534.2	529.0	514.9	503.0	488.9	470.3	454.7	436.1	434.7	410.1
22.5°	600.3	601.8	589.2	574.3	563.2	546.9	529.0	509.0	492.6	491.1	462.9
25°	678.4	673.2	660.5	643.4	626.4	606.3	590.7	572.9	557.3	555.8	522.3
27.5°	760.1	755.6	738.5	717.0	694.0	671.7	658.3	639.7	627.8	625.6	591.4
30°	849.3	841.8	826.2	797.2	765.3	740.0	726.7	720.0	708.8	705.9	670.9
32.5°	949.6	939.9	916.9	881.9	835.9	807.6	801.7	795.8	791.3	786.8	754.2
35°	1049.1	1046.2	1012.0	968.9	923.6	886.4	876.0	885.7	882.7	879.7	844.8
37.5°	1153.9	1159.1	1121.9	1065.5	1003.1	963.7	956.2	974.1	982.3	982.3	940.6
40°	1277.2	1272.8	1235.6	1166.5	1093.7	1047.6	1049.9	1076.6	1096.7	1092.2	1051.4
42.5°	1399.8	1390.2	1341.1	1273.5	1181.4	1135.3	1135.3	1176.2	1206.6	1207.4	1164.3
45°	1520.2	1509.8	1463.7	1375.3	1275.0	1225.2	1235.6	1285.4	1335.2	1328.5	1286.1
47.5°	1630.2	1625.7	1578.1	1483.8	1370.8	1318.8	1339.6	1413.9	1468.2	1468.2	1421.4
50°	1737.9	1731.9	1687.4	1581.1	1467.4	1416.2	1447.4	1538.0	1607.1	1610.8	1556.6
52.5°	1830.8	1827.1	1785.4	1679.9	1562.5	1510.5	1557.3	1671.0	1750.5	1758.7	1701.5
55°	1897.6	1899.9	1867.9	1767.6	1648.7	1605.6	1669.5	1803.3	1897.6	1899.1	1837.5
57.5°	1946.7	1949.6	1928.1	1841.2	1724.5	1691.8	1778.0	1931.1	2038.1	2044.8	1963.8
60°	1967.5	1972.7	1966.0	1893.2	1792.1	1771.3	1875.3	2045.5	2164.4	2166.6	2069.3
62.5°	1956.3	1961.5	1974.9	1922.9	1841.2	1840.4	1969.7	2145.1	2263.2	2266.2	2149.5
65°	1905.8	1914.0	1947.4	1922.9	1859.0	1883.5	2032.1	2221.6	2327.8	2331.6	2180.7
67°	1838.2	1848.6	1897.6	1896.9	1859.0	1900.6	2062.6	2253.5	2345.7	2341.2	2164.4
67.5°	1822.6	1833.0	1882.0	1889.5	1853.8	1902.8	2066.3	2257.3	2339.0	2338.2	2154.0
70°	1690.3	1708.9	1780.2	1815.9	1815.2	1885.0	2064.8	2237.2	2293.7	2286.2	2067.0
72.5°	1538.0	1561.1	1648.0	1716.3	1738.6	1829.3	2010.6	2157.7	2176.3	2167.3	1904.3
75°	1381.2	1393.9	1484.5	1581.9	1638.3	1734.9	1908.8	2031.4	2005.4	1983.8	1700.7
77.5°	1215.6	1220.8	1321.8	1431.0	1499.4	1610.8	1757.2	1846.4	1782.5	1764.6	1468.9
80°	1023.1	1044.7	1145.7	1259.4	1344.1	1445.1	1568.5	1622.0	1515.0	1498.6	1222.2
82.5°	865.6	879.0	971.1	1082.6	1177.7	1272.8	1353.0	1367.1	1254.9	1243.0	982.3
85°	706.6	718.5	815.1	918.4	1007.5	1087.0	1140.5	1119.7	1003.1	990.4	776.4
87.5°	584.7	593.7	660.5	765.3	844.1	901.3	929.5	903.5	792.0	774.2	599.6
90°	463.6	477.0	537.2	625.6	705.9	743.0	746.0	702.9	611.5	598.1	459.2
92.5°	374.5	383.4	440.6	514.2	577.3	605.5	598.1	561.7	477.8	462.1	355.2
95°	303.1	310.6	358.1	422.8	474.0	500.0	479.2	430.9	364.8	358.9	274.2
97.5°	251.9	253.4	290.5	348.5	389.3	402.7	386.4	342.5	285.3	273.4	210.3
100°	205.8	207.3	238.5	282.3	319.5	328.4	312.1	269.7	221.4	214.0	164.9
102.5°	167.2	170.9	194.7	234.0	261.5	268.2	251.1	214.0	170.9	165.7	128.5
105°	141.9	142.7	163.5	193.2	217.7	222.9	205.8	173.9	134.5	131.5	102.5
107.5°	120.4	120.4	136.7	162.7	182.0	185.0	171.6	141.9	106.2	103.3	83.2



REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	103.3	104.0	115.9	136.7	154.5	156.8	143.4	113.7	84.7	82.5	67.6
112.5°	89.9	91.4	99.6	115.9	131.5	133.7	120.4	92.9	69.1	66.1	56.5
115°	79.5	80.2	86.2	99.6	112.2	113.7	100.3	76.5	55.7	53.5	47.6
117.5°	70.6	71.3	75.8	86.9	96.6	97.3	84.0	63.2	46.8	44.6	41.6
120°	63.9	63.9	67.6	75.0	83.2	83.2	70.6	52.0	38.6	37.9	35.7
122.5°	58.0	58.0	60.2	65.4	71.3	69.8	58.7	43.1	32.7	31.9	31.2
125°	52.8	52.8	54.2	57.2	60.9	58.7	48.3	35.7	28.2	27.5	27.5
127.5°	47.6	47.6	48.3	50.5	51.3	49.0	40.1	29.7	24.5	23.8	24.5
130°	43.1	43.1	43.1	43.1	43.1	41.6	32.7	24.5	20.8	20.8	21.5
132.5°	38.6	38.6	37.9	37.2	36.4	33.4	26.7	20.1	18.6	18.6	19.3
135°	34.2	34.2	33.4	31.9	29.7	26.0	20.1	16.3	15.6	15.6	16.3
137.5°	29.7	29.7	29.0	26.7	23.8	20.1	15.6	13.4	13.4	13.4	14.1
140°	25.3	25.3	24.5	22.3	18.6	14.9	11.9	10.4	11.1	11.1	11.9
142.5°	21.5	20.8	20.1	17.8	14.1	10.4	8.2	8.2	8.9	8.9	9.7
145°	17.1	16.3	15.6	13.4	10.4	7.4	5.9	5.9	6.7	6.7	7.4
147.5°	13.4	12.6	11.9	9.7	7.4	5.2	3.7	4.5	5.2	5.2	5.2
150°	8.9	8.9	8.9	7.4	4.5	3.0	2.2	3.0	3.0	3.0	3.7
152.5°	5.9	5.9	5.9	4.5	3.0	1.5	1.5	1.5	2.2	2.2	2.2
155°	3.7	3.7	3.7	3.0	1.5	0.7	0.7	0.7	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	1.5	1.5	1.5	0.7	0.0	0.0	0.7	0.7	0.7
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: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2	213.2
2.5°	214.7	213.2	210.3	208.0	205.8	203.6	201.4	199.9	197.6	197.6	197.6
5°	222.2	218.4	212.5	208.0	202.8	199.1	194.7	191.7	189.5	188.7	188.7
7.5°	234.8	229.6	220.7	211.8	204.3	198.4	193.2	189.5	186.5	185.8	185.8
10°	252.6	245.9	231.8	221.4	211.8	203.6	196.9	191.7	189.5	188.0	188.0
12.5°	278.6	269.7	253.4	235.5	222.9	212.5	204.3	202.1	202.1	202.8	202.1
15°	309.8	300.9	278.6	257.8	239.2	227.4	222.9	222.9	222.2	223.6	223.6
17.5°	349.2	336.6	309.8	282.3	260.8	249.6	245.2	243.7	245.2	247.4	245.9
20°	396.0	377.4	344.0	309.8	286.8	275.7	268.2	266.7	269.0	270.5	271.2
22.5°	445.1	425.0	382.6	338.8	315.0	300.2	292.0	289.8	293.5	297.2	297.9
25°	500.8	478.5	424.3	373.7	340.3	320.2	312.8	312.1	318.0	323.2	323.2
27.5°	568.4	538.7	469.6	411.6	368.5	341.8	333.6	334.4	342.5	347.0	348.5
30°	639.0	605.5	521.6	446.5	390.8	358.9	350.0	353.7	361.8	370.8	372.2
32.5°	718.5	679.1	572.1	481.5	410.9	372.2	362.6	370.0	378.9	389.3	390.8
35°	801.7	748.9	624.1	513.4	427.2	382.6	371.5	380.4	391.6	401.2	404.2
37.5°	896.1	833.7	680.6	539.4	439.9	388.6	376.7	387.1	399.7	409.4	410.1
40°	992.7	920.6	734.1	563.9	448.8	392.3	379.7	390.1	402.0	410.1	410.9
42.5°	1093.7	1009.0	783.9	584.0	453.2	392.3	378.2	388.6	399.7	404.2	404.9
45°	1211.8	1102.6	835.1	598.1	454.7	390.8	376.0	384.1	392.3	393.8	396.0
47.5°	1330.7	1195.5	879.0	608.5	454.0	387.1	372.2	378.9	384.1	382.6	384.9
50°	1456.3	1296.5	921.3	615.2	450.3	383.4	367.0	373.0	374.5	370.0	370.0
52.5°	1576.7	1384.2	954.0	616.0	445.1	378.9	363.3	367.8	367.0	358.9	359.6
55°	1697.0	1477.8	981.5	609.3	437.6	374.5	359.6	362.6	360.4	350.7	349.2
57.5°	1800.3	1553.6	993.4	599.6	429.5	370.0	357.4	360.4	355.9	344.8	344.0
60°	1888.0	1612.3	994.1	586.2	419.8	366.3	355.2	358.9	355.2	341.8	340.3
62.5°	1942.2	1639.1	974.8	565.4	410.1	361.8	355.2	358.1	353.7	340.3	339.6
65°	1951.1	1625.7	943.6	541.7	399.0	357.4	353.7	357.4	352.9	338.8	337.3
67°	1916.2	1587.1	901.3	519.4	389.3	353.7	350.7	355.9	350.7	337.3	335.1
67.5°	1904.3	1569.2	891.6	516.4	387.1	352.2	350.0	354.4	350.0	336.6	334.4
70°	1800.3	1471.9	818.8	483.7	373.0	344.8	344.8	348.5	344.0	331.4	327.7
72.5°	1639.8	1335.2	746.0	452.5	357.4	333.6	335.8	339.6	335.1	323.2	318.7
75°	1454.1	1181.4	665.0	416.1	339.6	322.5	324.0	327.7	323.2	310.6	306.9
77.5°	1247.5	1003.8	583.3	382.6	321.0	307.6	308.3	310.6	306.9	294.2	290.5
80°	1026.1	827.7	500.0	344.8	299.4	289.0	289.8	289.8	284.6	274.2	271.2
82.5°	827.0	672.4	426.5	311.3	275.7	268.2	268.2	267.5	260.8	251.9	247.4
85°	643.4	542.4	357.4	277.1	251.9	245.2	244.4	241.5	234.8	225.1	219.9
87.5°	504.5	429.5	300.9	244.4	228.1	223.6	219.2	212.5	207.3	199.1	194.7
90°	393.8	341.0	254.1	214.7	205.1	199.1	194.7	186.5	178.3	170.1	167.9
92.5°	308.3	269.7	211.8	187.2	181.3	176.8	170.9	162.0	154.5	144.9	145.6
95°	244.4	219.2	180.6	164.9	160.5	156.8	149.3	139.7	131.5	122.6	121.1
97.5°	191.7	174.6	151.6	143.4	141.9	137.5	130.0	120.4	111.5	101.8	101.8
100°	152.3	142.7	127.8	126.3	123.3	120.4	112.9	104.0	92.9	84.7	84.7
102.5°	122.6	114.4	109.2	109.2	108.5	105.5	98.1	89.2	78.0	69.8	69.8
105°	98.1	95.1	92.9	95.1	95.8	92.9	85.4	75.8	64.6	57.2	58.7
107.5°	81.7	79.5	79.5	82.5	84.0	81.0	74.3	63.9	53.5	48.3	48.3



REPORT NUMBER: P415897

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	67.6	66.9	68.4	72.1	72.8	70.6	63.9	54.2	44.6	40.1	40.9
112.5°	57.2	56.5	59.4	63.2	63.9	61.7	55.0	46.1	37.2	34.2	34.2
115°	48.3	49.0	51.3	54.2	55.7	53.5	47.6	39.4	30.5	29.0	29.0
117.5°	41.6	42.4	44.6	48.3	49.0	46.1	40.1	32.7	26.0	25.3	25.3
120°	36.4	37.2	39.4	41.6	42.4	39.4	34.2	27.5	22.3	21.5	21.5
122.5°	31.9	33.4	34.9	36.4	37.2	34.2	29.7	23.0	18.6	18.6	19.3
125°	28.2	29.0	30.5	31.9	31.9	29.0	24.5	19.3	16.3	16.3	16.3
127.5°	25.3	25.3	26.0	27.5	27.5	25.3	20.8	15.6	14.1	14.1	14.9
130°	22.3	23.0	23.0	23.0	23.0	20.8	17.1	13.4	11.9	12.6	12.6
132.5°	19.3	20.1	20.1	20.1	19.3	17.1	14.1	11.1	10.4	11.1	11.1
135°	17.1	17.1	17.1	17.1	15.6	14.1	11.1	8.9	8.9	9.7	9.7
137.5°	14.9	14.9	14.9	14.1	12.6	11.1	8.9	7.4	7.4	8.2	8.2
140°	11.9	12.6	11.9	11.1	9.7	8.2	6.7	5.9	6.7	6.7	6.7
142.5°	9.7	9.7	9.7	8.9	7.4	5.9	5.2	4.5	5.2	5.2	5.9
145°	7.4	7.4	7.4	6.7	5.2	3.7	3.7	3.7	4.5	4.5	4.5
147.5°	5.2	5.2	5.2	4.5	3.0	2.2	2.2	2.2	3.0	3.0	3.0
150°	3.7	3.7	3.7	3.0	1.5	0.7	0.7	1.5	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.7	1.5	1.5	0.7	0.7
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	0.0	0.0
157.5°	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0
160°	0.7	0.7	0.7	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)