

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: P416067

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5115 lumens
Efficiency: N/A
Efficacy: 79.9 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

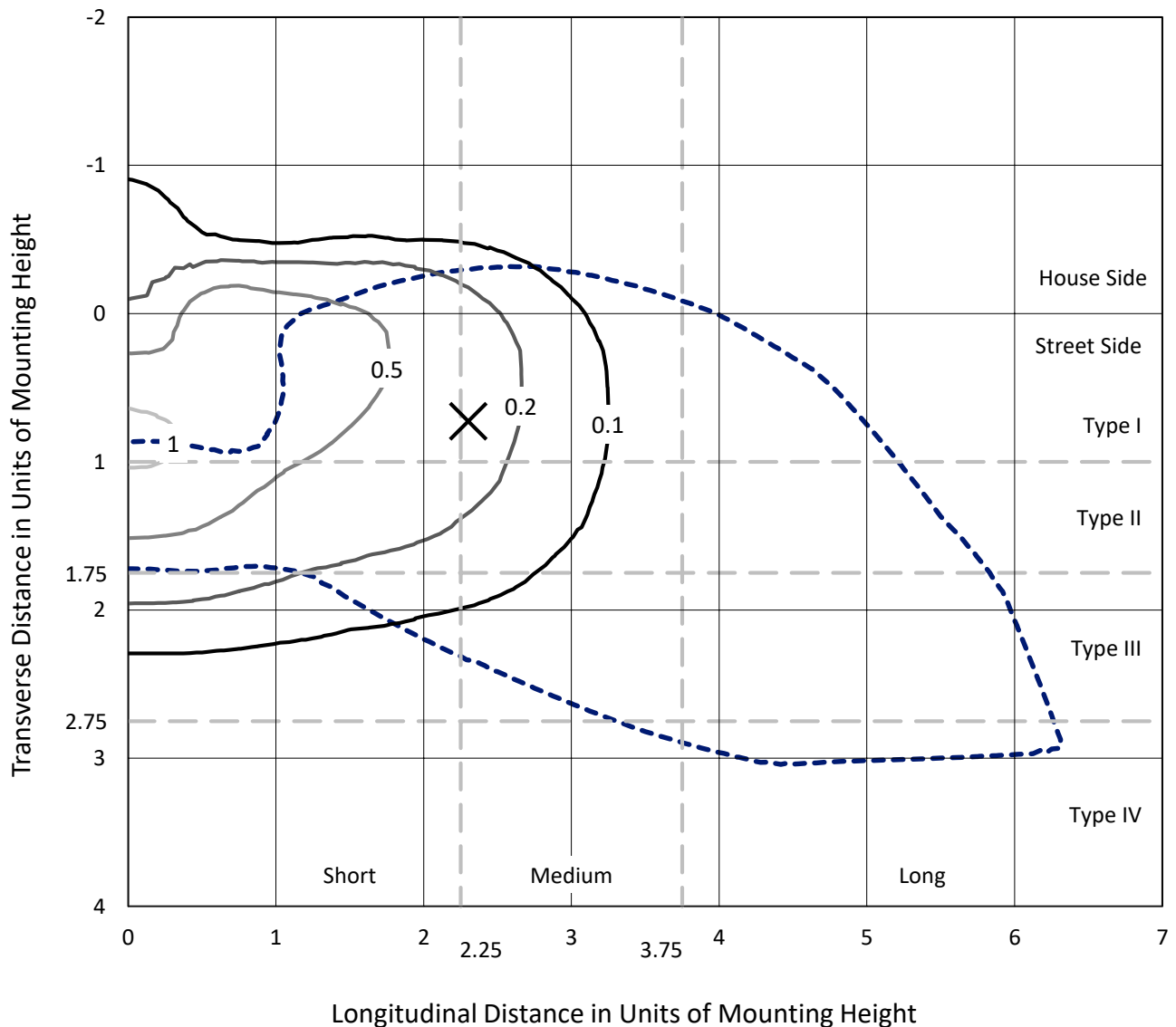
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416067
 CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

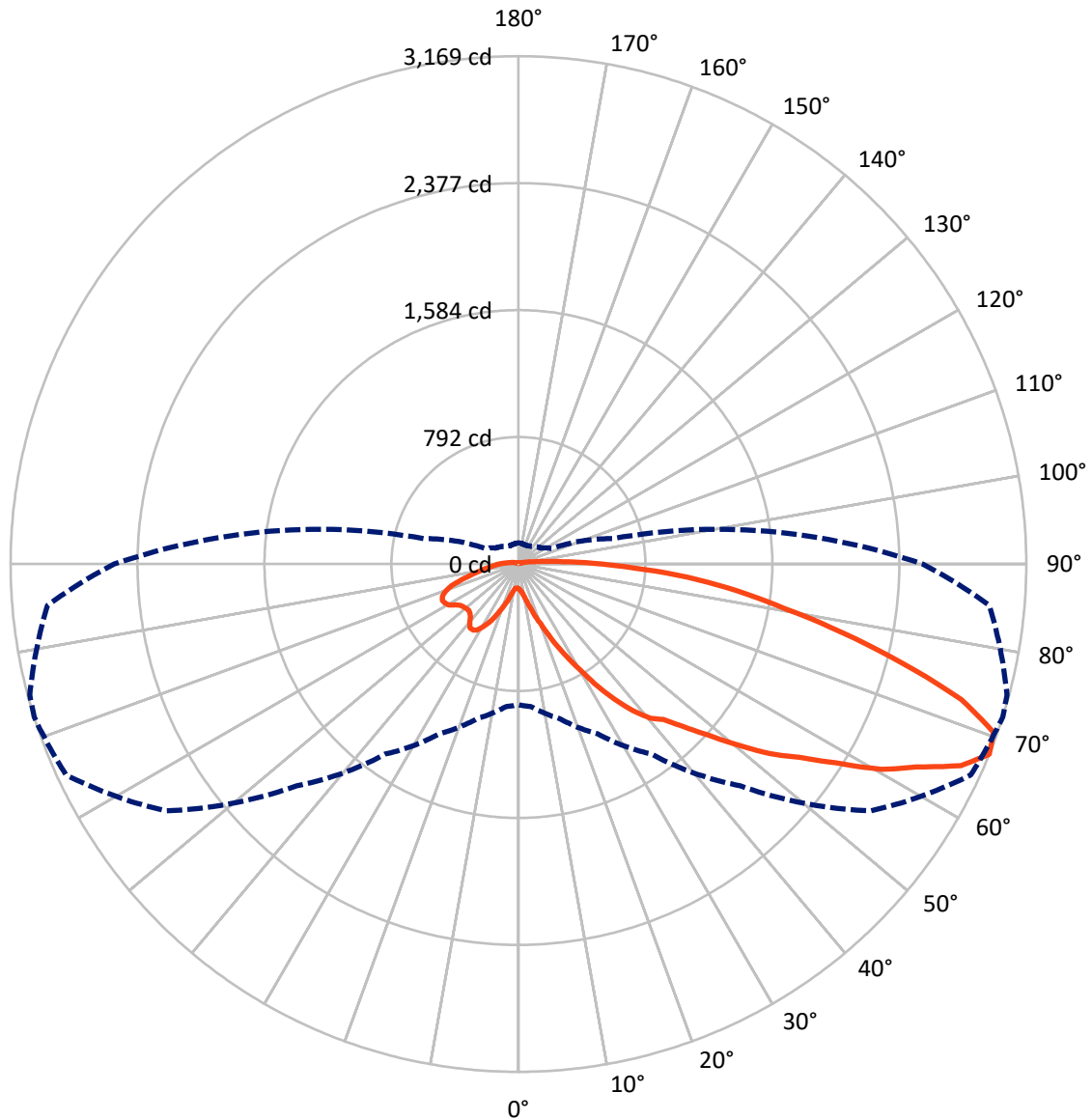
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P416067
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416067

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.9	78.7	973.6
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4030.1	111.3	4141.4
	% Fixture	78.8	2.2	81.0
Total	Lumens	4925.0	190.0	5115.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.3
10°-20°	69.0	1.3
20°-30°	191.3	3.7
30°-40°	411.3	8.0
40°-50°	696.2	13.6
50°-60°	1021.4	20.0
60°-70°	1218.2	23.8
70°-80°	909.7	17.8
80°-90°	391.8	7.7
90°-100°	113.7	2.2
100°-110°	37.0	0.7
110°-120°	17.3	0.3
120°-130°	10.6	0.2
130°-140°	6.8	0.1
140°-150°	3.0	0.1
150°-160°	1.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	4925.0	96.3
0°-180°	5115.0	100.0



REPORT NUMBER: P416067

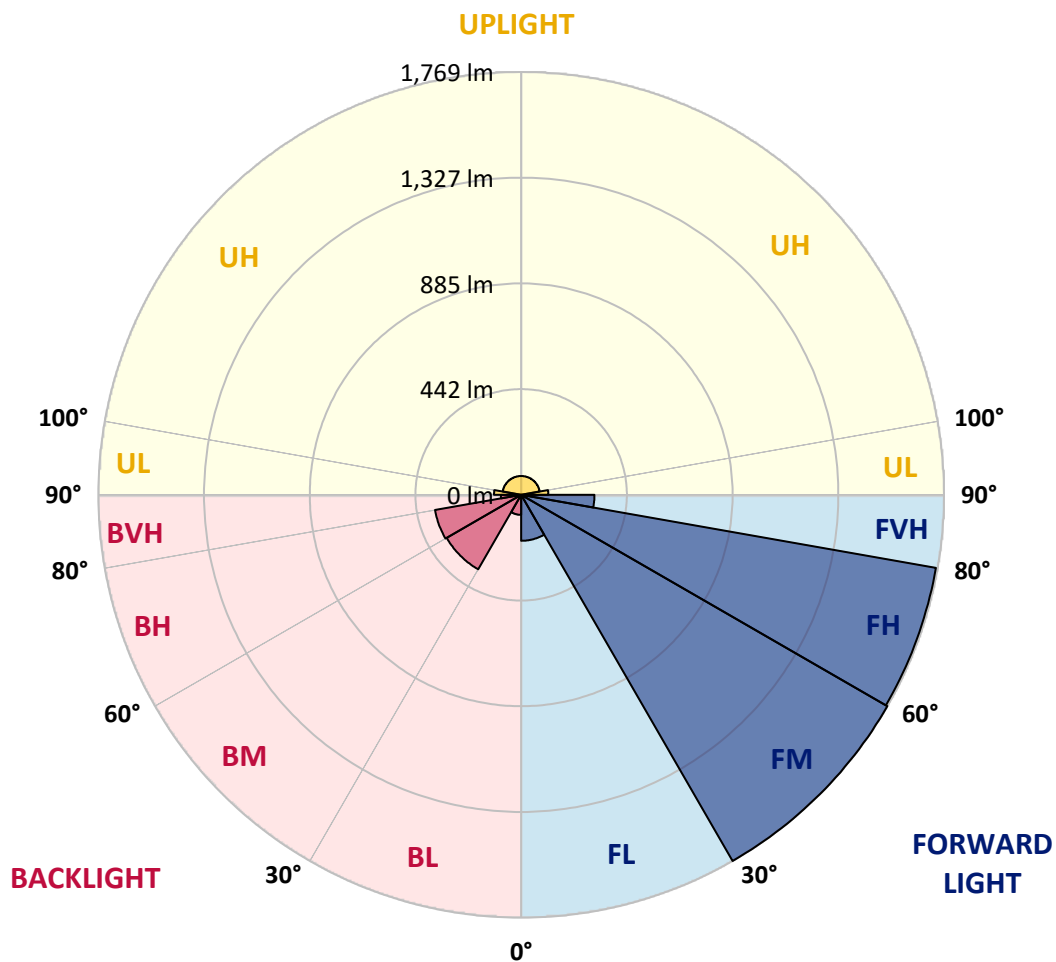
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.5	3.8			
FM (30°-60°)	1769.1	34.6			
FH (60°-80°)	1762.1	34.4			G1/1800
FVH (80°-90°)	306.5	6.0			G3/500
BL (0°-30°)	83.9	1.6	B0/110		
BM (30°-60°)	359.9	7.0	B1/1000		
BH (60°-80°)	365.9	7.2	B1/500		G1/500
BVH (80°-90°)	85.3	1.7			G1/100
UL (90°-100°)	113.7	2.2		U3/500	
UH (100°-180°)	78.7	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P416067

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5
2.5°	167.9	169.1	170.3	169.7	169.1	167.3	164.3	161.3	158.3	158.3	155.9
5°	191.9	191.3	190.7	191.3	188.3	184.1	179.3	173.9	169.7	168.5	162.5
7.5°	219.5	218.3	219.5	215.9	211.7	206.3	199.1	191.9	184.7	183.5	173.9
10°	252.5	251.3	250.7	247.7	239.9	232.1	224.9	213.5	208.1	206.3	193.7
12.5°	293.9	293.3	289.7	283.7	273.5	265.7	255.5	249.5	244.1	239.9	227.3
15°	341.2	342.4	338.2	325.6	313.0	301.1	296.3	291.5	287.3	285.5	274.7
17.5°	407.8	405.4	395.8	376.6	356.2	346.6	342.4	339.4	343.6	342.4	325.6
20°	490.0	484.0	469.0	436.0	410.8	395.2	391.6	397.0	399.4	405.4	394.0
22.5°	586.5	578.7	553.5	516.3	479.8	450.4	446.8	463.0	478.0	479.8	475.0
25°	680.7	673.5	651.3	602.7	553.5	514.5	506.2	542.1	572.1	577.5	584.1
27.5°	777.2	773.6	741.2	688.5	634.5	585.3	584.1	623.1	669.9	682.5	693.9
30°	887.0	895.4	854.6	788.0	720.2	663.3	660.3	717.8	775.4	802.4	821.6
32.5°	1041.7	1034.5	983.5	909.2	808.4	741.8	746.0	813.2	910.4	933.1	958.3
35°	1219.2	1221.6	1152.0	1036.3	917.5	835.4	832.4	925.9	1038.7	1057.9	1099.9
37.5°	1364.9	1376.9	1325.3	1192.2	1039.9	933.7	937.9	1042.9	1161.6	1200.0	1236.6
40°	1521.4	1532.2	1472.3	1342.7	1173.0	1042.3	1048.3	1150.2	1263.6	1294.8	1303.8
42.5°	1692.4	1703.2	1630.6	1477.1	1285.2	1173.0	1149.6	1227.6	1326.5	1365.5	1373.3
45°	1852.5	1871.1	1797.9	1617.4	1410.5	1290.6	1255.2	1318.1	1447.7	1483.7	1492.1
47.5°	1901.7	1923.9	1892.1	1744.5	1530.4	1391.9	1368.5	1456.1	1595.8	1649.2	1638.4
50°	1949.0	1969.4	1950.2	1819.5	1630.0	1509.5	1514.9	1616.8	1775.1	1843.5	1835.1
52.5°	1956.2	1977.2	1957.4	1865.7	1715.2	1628.2	1688.2	1808.7	1965.8	2015.6	2003.6
55°	1968.2	1982.0	1964.0	1860.3	1776.9	1754.7	1868.1	2005.4	2130.1	2189.5	2169.7
57.5°	1801.5	1806.9	1872.3	1844.7	1790.1	1895.1	2070.8	2194.9	2341.8	2430.6	2420.4
60°	1561.6	1573.0	1654.0	1717.6	1781.1	1995.2	2269.9	2457.6	2601.5	2659.7	2604.5
62.5°	1364.3	1376.9	1462.1	1543.6	1705.0	2039.6	2478.0	2692.7	2787.4	2840.2	2774.8
65°	1099.3	1108.9	1212.6	1372.7	1580.8	2022.2	2633.9	2937.4	3032.7	3053.7	2927.2
67.5°	878.6	893.0	998.5	1169.4	1447.7	1956.2	2684.9	3113.7	3168.8	3156.2	2949.3
70°	653.7	660.9	789.8	1006.9	1290.0	1812.3	2636.3	3153.2	3144.8	3128.7	2845.0
72.5°	450.4	449.2	570.3	782.0	1125.6	1648.0	2410.2	2929.6	2890.0	2848.0	2488.8
75°	290.9	307.0	382.6	568.5	910.4	1410.5	2117.6	2543.9	2476.8	2410.2	2050.4
77.5°	196.1	207.5	268.7	407.2	695.7	1186.2	1822.5	2184.7	2072.6	2012.0	1655.2
80°	134.9	139.7	186.5	299.3	517.5	940.9	1492.7	1808.1	1685.8	1613.8	1284.6
82.5°	94.8	98.4	130.1	220.7	389.8	702.9	1191.6	1504.1	1375.7	1323.5	997.9
85°	68.4	70.8	93.6	164.3	296.3	527.7	906.8	1170.0	1058.5	1018.3	713.0
87.5°	51.0	53.4	70.8	121.7	227.9	401.2	676.5	837.8	717.8	665.7	450.4
90°	37.8	40.2	54.6	91.2	178.1	302.3	490.0	572.7	466.0	422.2	287.3
92.5°	28.2	30.0	40.8	66.6	136.1	231.5	345.4	362.2	275.9	251.3	181.1
95°	21.0	22.2	30.6	48.6	97.2	168.5	226.1	211.7	162.5	147.5	114.5
97.5°	17.4	18.0	24.0	37.2	68.4	118.1	145.1	130.1	104.9	97.8	79.2
100°	14.4	15.0	19.2	28.2	49.8	81.0	96.0	84.6	73.2	70.2	61.8
102.5°	12.6	13.2	16.2	23.4	37.2	58.2	66.6	60.6	54.0	51.6	48.0
105°	11.4	11.4	14.4	19.8	30.6	43.8	48.6	44.4	40.2	39.0	38.4
107.5°	10.2	10.2	12.6	17.4	25.2	34.2	36.6	33.0	29.4	28.8	30.6
110°	9.6	9.6	11.4	15.6	21.6	28.2	28.8	24.6	22.2	22.2	24.6



REPORT NUMBER: P416067

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.0	9.0	10.8	13.8	19.2	23.4	22.8	19.2	17.4	17.4	20.4
115°	9.0	9.0	10.2	13.2	16.8	19.8	18.6	15.6	14.4	14.4	17.4
117.5°	9.0	9.6	10.2	12.6	15.6	17.4	16.2	13.2	12.6	12.6	15.6
120°	9.6	9.6	10.2	12.6	14.4	15.0	13.8	11.4	10.8	11.4	14.4
122.5°	9.6	9.6	10.8	12.6	13.8	13.8	12.0	10.2	10.2	10.2	13.2
125°	10.2	10.2	10.8	12.6	13.2	12.6	10.8	9.6	9.6	10.2	12.0
127.5°	10.8	10.8	11.4	12.6	12.6	11.4	10.2	9.0	9.0	9.6	12.0
130°	12.0	12.0	12.0	12.6	11.4	10.2	9.0	8.4	9.0	9.6	12.0
132.5°	12.0	12.0	12.0	12.0	10.8	9.0	8.4	7.8	9.0	9.6	11.4
135°	10.8	10.8	10.8	10.8	9.6	7.8	7.2	7.2	8.4	9.0	10.8
137.5°	9.6	9.6	9.6	9.0	8.4	7.2	6.0	6.0	7.2	7.8	9.6
140°	8.4	8.4	7.8	7.8	7.2	6.0	5.4	5.4	6.0	6.6	7.8
142.5°	6.6	6.6	6.6	6.6	6.0	4.8	4.2	4.2	5.4	6.0	6.6
145°	5.4	5.4	5.4	5.4	4.8	4.2	3.6	3.6	4.2	4.8	5.4
147.5°	4.2	4.2	4.8	4.8	4.2	3.6	2.4	3.0	3.6	3.6	4.2
150°	3.6	3.6	3.6	4.2	3.0	2.4	1.8	2.4	3.0	3.0	3.6
152.5°	3.0	3.0	3.0	3.0	2.4	1.2	1.8	2.4	2.4	3.0	3.0
155°	1.8	1.8	2.4	2.4	1.8	1.2	1.8	1.8	2.4	2.4	3.0
157.5°	1.2	1.2	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8	2.4
160°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
162.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
165°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
167.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
170°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
172.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
175°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
177.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P416067

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5	153.5
2.5°	154.1	152.9	150.5	148.1	145.7	143.3	142.7	141.5	140.9	140.3	140.9
5°	160.1	156.5	151.1	145.7	140.9	136.7	133.7	130.7	128.3	127.1	127.1
7.5°	170.9	164.9	155.9	146.9	138.5	131.3	126.5	122.3	119.3	118.1	117.5
10°	187.7	180.5	167.3	152.9	140.3	129.5	122.3	117.5	114.5	112.7	112.7
12.5°	217.1	208.7	187.7	165.5	145.1	130.1	120.5	115.7	112.7	112.1	112.7
15°	263.3	250.1	219.5	187.7	156.5	131.3	119.3	117.5	118.7	119.3	119.3
17.5°	317.2	299.3	260.3	212.3	169.1	136.7	124.1	122.9	124.7	126.5	127.7
20°	377.8	354.4	298.1	235.7	177.5	144.5	128.9	126.5	130.7	134.3	133.7
22.5°	454.6	426.4	346.0	253.7	183.5	146.3	130.7	128.3	135.5	139.7	140.9
25°	555.3	515.1	402.4	272.9	187.1	143.9	129.5	130.1	140.9	149.3	151.1
27.5°	665.1	606.9	454.6	288.5	187.1	137.9	127.7	134.9	149.9	160.7	161.9
30°	785.0	704.1	500.2	300.5	181.7	131.9	125.9	137.3	152.3	163.7	164.9
32.5°	912.7	804.8	547.5	304.6	173.9	127.1	124.1	135.5	148.1	158.3	160.7
35°	1026.1	894.8	566.1	298.7	163.1	123.5	119.9	129.5	142.1	154.7	155.3
37.5°	1144.2	980.5	574.5	281.9	152.3	119.9	116.3	125.3	140.3	155.3	157.1
40°	1194.6	1002.7	550.5	258.5	142.1	117.5	114.5	124.7	140.9	155.9	158.3
42.5°	1246.2	1024.3	521.1	224.9	135.5	116.9	116.3	124.7	137.9	149.9	151.7
45°	1334.3	1072.3	507.9	202.1	131.9	118.7	118.1	122.9	132.5	143.3	146.9
47.5°	1460.3	1144.8	501.4	187.7	131.9	121.7	119.9	121.1	127.1	136.7	139.7
50°	1621.6	1245.6	509.7	179.9	134.9	125.9	122.3	120.5	122.9	133.1	136.7
52.5°	1757.1	1342.1	519.9	178.7	139.7	131.3	125.9	120.5	122.3	134.3	138.5
55°	1899.3	1433.9	531.3	181.7	145.7	135.5	128.3	121.7	122.9	134.3	139.1
57.5°	2105.6	1589.8	560.7	188.3	151.7	140.3	131.3	123.5	122.3	131.3	134.9
60°	2293.9	1738.5	604.5	200.9	158.9	145.1	134.3	124.7	121.7	127.7	130.1
62.5°	2407.8	1818.9	621.3	212.9	166.1	149.3	135.5	124.7	123.5	128.9	130.7
65°	2525.4	1895.7	627.9	222.5	170.3	151.7	135.5	125.9	125.9	129.5	130.1
67.5°	2521.2	1878.9	612.3	227.3	173.9	152.9	135.5	125.9	127.1	130.7	131.3
70°	2410.8	1782.3	573.3	226.7	173.3	151.1	133.1	125.3	130.1	134.3	134.9
72.5°	2087.0	1532.2	510.3	219.5	167.9	146.3	129.5	124.1	131.3	137.3	137.3
75°	1712.2	1248.0	421.6	205.7	161.3	140.3	124.1	119.9	128.9	137.3	137.3
77.5°	1348.7	976.9	341.8	187.7	151.7	133.1	117.5	112.7	122.9	130.7	130.1
80°	1047.7	740.6	274.7	169.7	140.9	125.3	109.7	104.3	113.3	118.7	117.5
82.5°	803.6	570.3	226.7	152.9	130.1	116.3	101.9	97.2	105.5	109.1	107.9
85°	548.7	408.4	185.9	134.3	116.3	105.5	94.2	90.6	100.2	104.3	103.1
87.5°	362.2	280.7	155.3	118.1	102.5	94.8	85.2	84.0	94.8	99.0	98.4
90°	239.3	196.1	131.9	102.5	89.4	82.8	76.8	76.8	86.4	90.0	87.6
92.5°	157.7	139.1	104.3	87.0	76.2	72.0	68.4	67.8	76.2	77.4	75.6
95°	107.3	97.8	81.6	72.0	64.2	61.8	58.8	60.0	65.4	64.2	62.4
97.5°	76.8	74.4	66.0	58.8	53.4	52.8	51.6	52.2	55.2	52.8	51.6
100°	61.2	59.4	54.6	49.2	45.6	45.0	44.4	45.0	46.8	44.4	43.2
102.5°	49.2	49.2	45.6	41.4	38.4	39.0	39.0	39.0	39.6	36.0	36.0
105°	39.6	39.6	38.4	34.8	33.0	33.0	33.6	33.6	33.6	31.2	31.2
107.5°	31.8	33.0	32.4	29.4	28.2	28.8	28.8	28.2	28.2	27.0	27.0
110°	25.8	27.0	27.0	25.2	24.6	25.2	24.6	24.0	23.4	23.4	23.4



REPORT NUMBER: P416067

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	22.8	23.4	22.2	21.6	21.6	21.0	20.4	20.4	21.0	21.0
115°	18.6	19.8	20.4	19.2	19.2	19.2	18.0	17.4	17.4	18.6	18.6
117.5°	16.8	17.4	18.0	17.4	16.8	16.8	16.2	15.0	15.0	16.2	16.8
120°	15.0	15.6	16.2	15.6	15.0	14.4	13.8	13.2	13.2	15.0	15.0
122.5°	13.8	14.4	14.4	13.8	13.2	13.2	12.6	12.0	12.0	13.2	13.8
125°	13.2	13.2	13.2	12.6	12.0	11.4	10.8	10.8	10.8	12.0	12.0
127.5°	12.6	12.6	12.0	11.4	10.8	10.2	10.2	9.6	9.6	10.8	11.4
130°	12.6	12.6	11.4	10.8	10.2	9.0	9.0	8.4	9.0	10.2	10.2
132.5°	12.0	12.0	10.8	10.2	9.0	8.4	7.8	7.8	7.8	9.0	9.6
135°	11.4	10.8	9.6	9.0	7.8	7.2	7.2	7.2	7.2	8.4	8.4
137.5°	10.2	9.6	8.4	7.8	7.2	6.6	6.0	6.0	6.6	7.2	7.8
140°	8.4	8.4	7.2	6.6	6.0	5.4	5.4	5.4	6.0	6.6	6.6
142.5°	7.2	7.2	6.0	5.4	4.8	4.2	4.8	4.8	5.4	6.0	6.0
145°	6.0	5.4	5.4	4.2	4.2	3.6	3.6	4.2	4.8	5.4	5.4
147.5°	4.8	4.8	4.2	3.6	3.0	3.0	3.0	3.6	4.2	4.2	4.8
150°	4.2	4.2	3.6	3.6	2.4	1.8	2.4	3.6	3.6	3.6	3.6
152.5°	3.6	3.6	3.6	3.0	2.4	1.2	1.8	3.0	3.0	3.0	3.0
155°	3.0	3.0	3.0	2.4	1.8	0.6	1.8	2.4	2.4	2.4	2.4
157.5°	2.4	2.4	2.4	2.4	1.2	0.6	1.2	1.8	1.8	1.8	2.4
160°	1.8	1.8	1.8	1.8	1.2	0.6	1.2	1.8	1.8	1.8	1.8
162.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.8	1.2	1.2	1.2
165°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
167.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
170°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
172.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
175°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
177.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)