

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: P416119

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416119
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-PA1-60-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5529 lumens
Efficiency: N/A
Efficacy: 86.4 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

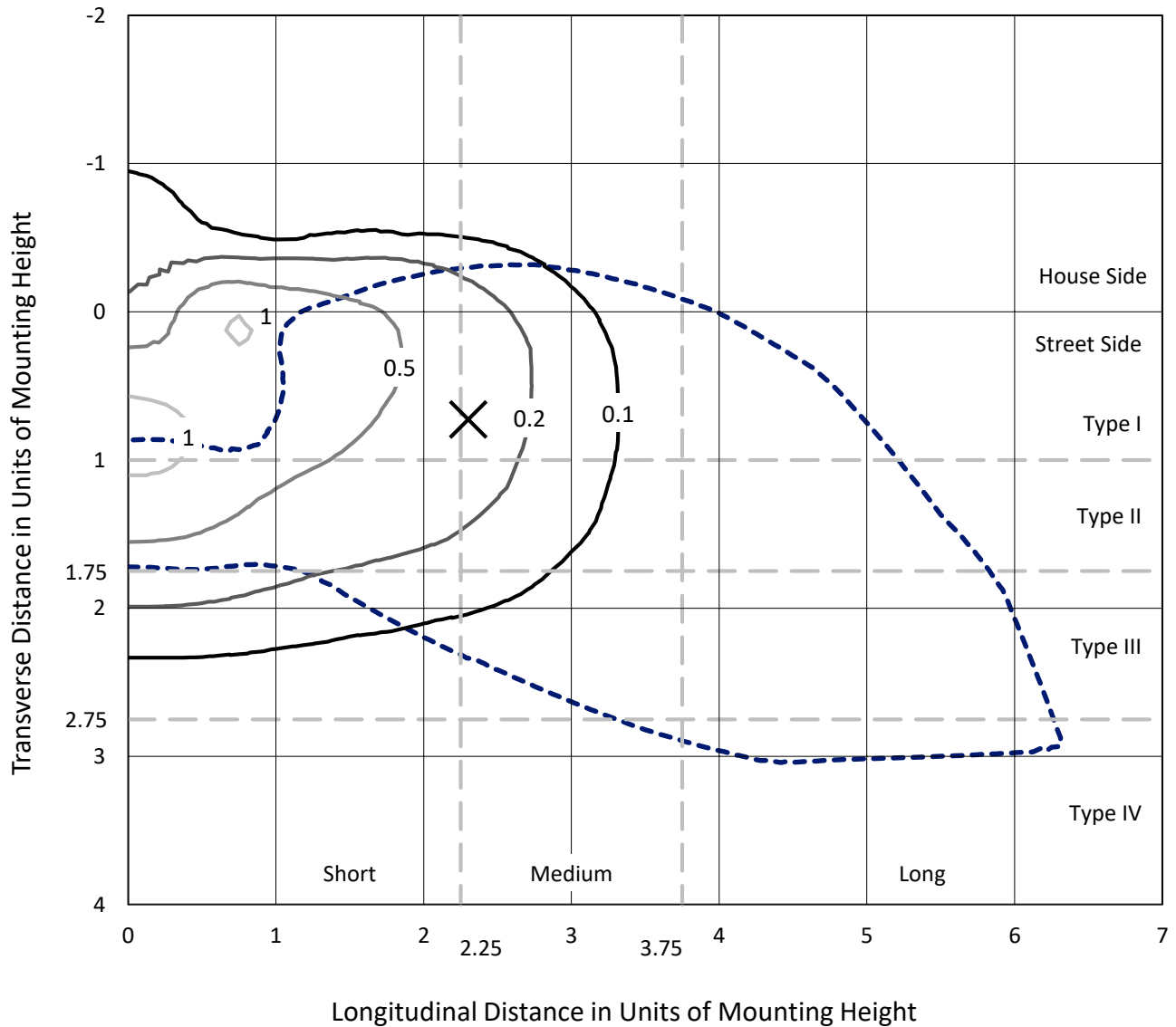
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

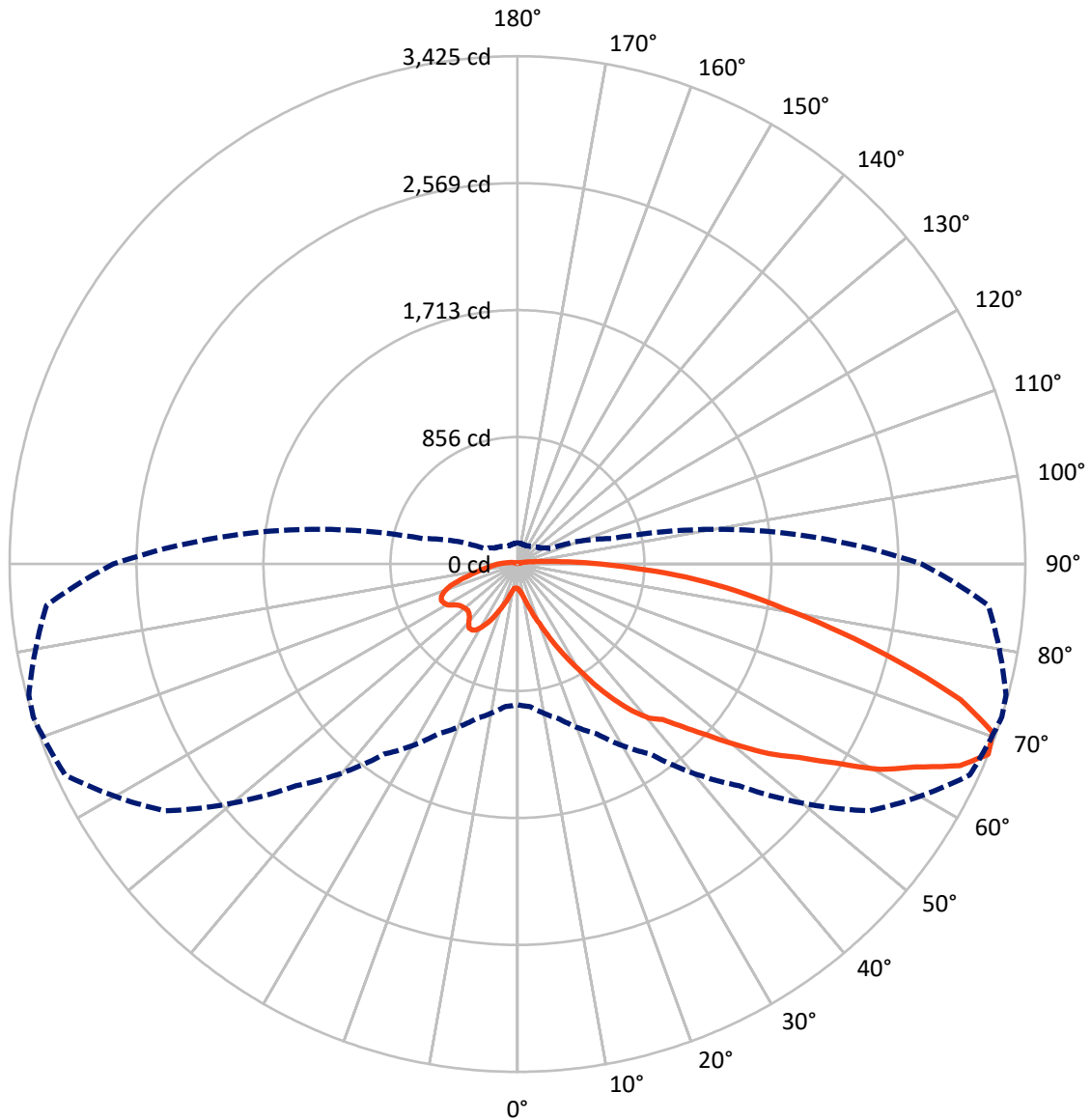
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.4	85.0	1052.4
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4356.3	120.3	4476.6
	% Fixture	78.8	2.2	81.0
Total	Lumens	5323.7	205.3	5529.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.3
10°-20°	74.6	1.3
20°-30°	206.8	3.7
30°-40°	444.6	8.0
40°-50°	752.6	13.6
50°-60°	1104.1	20.0
60°-70°	1316.8	23.8
70°-80°	983.4	17.8
80°-90°	423.5	7.7
90°-100°	122.9	2.2
100°-110°	40.0	0.7
110°-120°	18.7	0.3
120°-130°	11.4	0.2
130°-140°	7.3	0.1
140°-150°	3.2	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5323.7	96.3
0°-180°	5529.0	100.0



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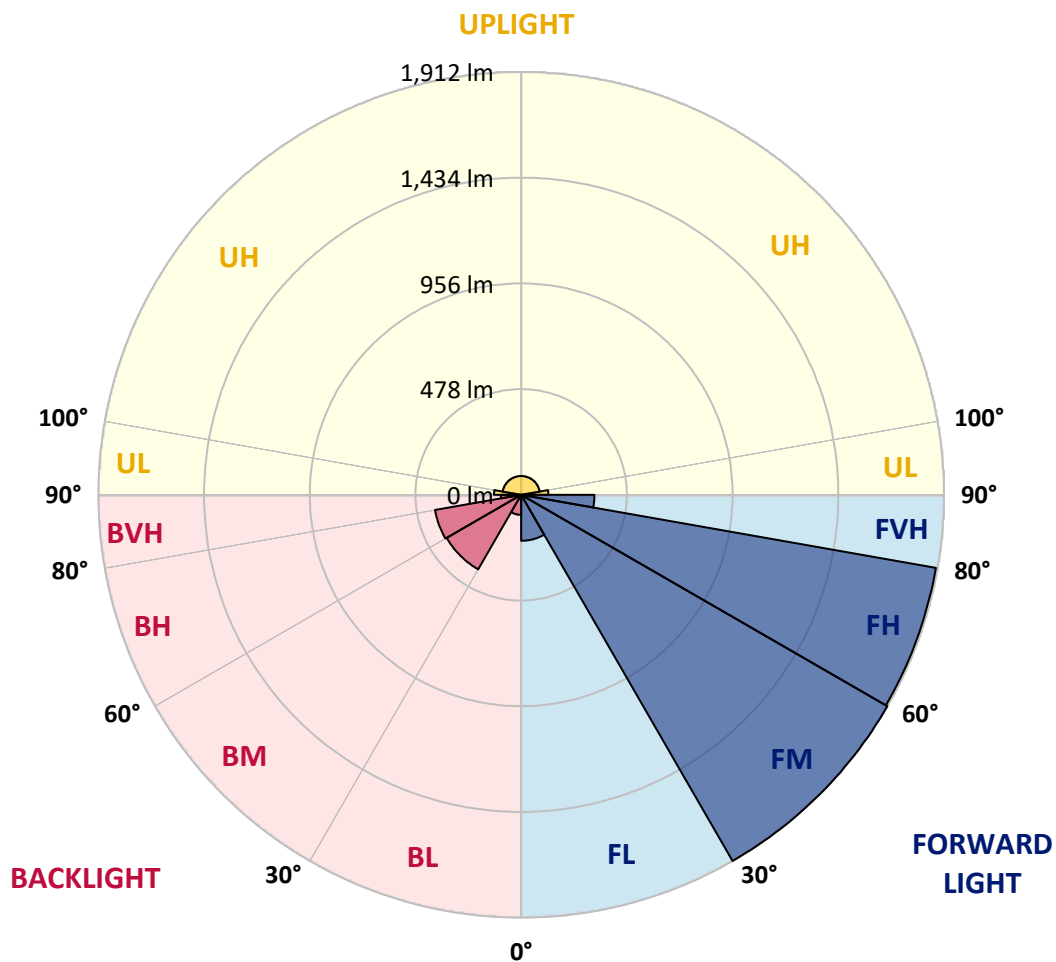
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.1	3.8			
FM	(30°-60°)	1912.3	34.6			
FH	(60°-80°)	1904.7	34.4			G2/5000
FVH	(80°-90°)	331.3	6.0			G3/500
BL	(0°-30°)	90.7	1.6	B0/110		
BM	(30°-60°)	389.0	7.0	B1/1000		
BH	(60°-80°)	395.5	7.2	B1/500		G1/500
BVH	(80°-90°)	92.2	1.7			G1/100
UL	(90°-100°)	122.9	2.2		U3/500	
UH	(100°-180°)	85.0	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	181.5	182.8	184.1	183.5	182.8	180.9	177.6	174.4	171.1	171.1	168.5
5°	207.4	206.8	206.1	206.8	203.5	199.0	193.8	188.0	183.5	182.2	175.7
7.5°	237.3	236.0	237.3	233.4	228.8	223.0	215.2	207.4	199.7	198.4	188.0
10°	272.9	271.6	271.0	267.7	259.3	250.9	243.1	230.8	224.9	223.0	209.4
12.5°	317.6	317.0	313.1	306.6	295.6	287.2	276.2	269.7	263.8	259.3	245.7
15°	368.9	370.1	365.6	352.0	338.4	325.4	320.2	315.0	310.5	308.6	296.9
17.5°	440.8	438.2	427.8	407.1	385.1	374.7	370.1	366.9	371.4	370.1	352.0
20°	529.6	523.1	506.9	471.3	444.0	427.2	423.3	429.1	431.7	438.2	425.9
22.5°	634.0	625.6	598.3	558.1	518.6	486.8	482.9	500.4	516.6	518.6	513.4
25°	735.8	728.0	704.0	651.5	598.3	556.2	547.1	586.0	618.4	624.3	631.4
27.5°	840.1	836.2	801.2	744.2	685.8	632.7	631.4	673.5	724.1	737.7	750.0
30°	958.8	967.8	923.7	851.8	778.5	717.0	713.7	775.9	838.2	867.3	888.1
32.5°	1126.0	1118.2	1063.1	982.7	873.8	801.9	806.4	879.0	984.0	1008.7	1035.9
35°	1317.9	1320.5	1245.3	1120.2	991.8	903.0	899.8	1000.9	1122.8	1143.5	1188.9
37.5°	1475.4	1488.4	1432.6	1288.7	1124.1	1009.3	1013.9	1127.3	1255.6	1297.1	1336.7
40°	1644.6	1656.3	1591.4	1451.4	1268.0	1126.6	1133.1	1243.3	1365.8	1399.6	1409.3
42.5°	1829.3	1841.0	1762.6	1596.6	1389.2	1268.0	1242.7	1327.0	1433.9	1476.0	1484.5
45°	2002.4	2022.5	1943.4	1748.3	1524.7	1395.0	1356.8	1424.8	1564.9	1603.8	1612.8
47.5°	2055.6	2079.6	2045.2	1885.7	1654.3	1504.6	1479.3	1573.9	1725.0	1782.7	1771.0
50°	2106.8	2128.8	2108.1	1966.8	1761.9	1631.6	1637.5	1747.7	1918.8	1992.7	1983.6
52.5°	2114.6	2137.3	2115.9	2016.7	1854.0	1760.0	1824.8	1955.1	2124.9	2178.7	2165.8
55°	2127.5	2142.4	2123.0	2010.9	1920.7	1896.8	2019.3	2167.7	2302.6	2366.7	2345.3
57.5°	1947.3	1953.2	2023.8	1994.0	1935.0	2048.4	2238.4	2372.6	2531.4	2627.3	2616.3
60°	1688.0	1700.3	1787.9	1856.6	1925.3	2156.7	2453.6	2656.5	2812.1	2875.0	2815.3
62.5°	1474.8	1488.4	1580.4	1668.6	1843.0	2204.7	2678.5	2910.6	3013.0	3070.1	2999.4
65°	1188.2	1198.6	1310.7	1483.8	1708.8	2185.9	2847.1	3175.1	3278.2	3300.9	3164.1
67.5°	949.7	965.2	1079.3	1264.1	1564.9	2114.6	2902.2	3365.7	3425.3	3411.7	3188.1
70°	706.6	714.4	853.7	1088.4	1394.4	1959.0	2849.7	3408.5	3399.4	3381.9	3075.3
72.5°	486.8	485.5	616.5	845.3	1216.8	1781.4	2605.3	3166.7	3123.9	3078.5	2690.2
75°	314.4	331.9	413.6	614.5	984.0	1524.7	2288.9	2749.8	2677.2	2605.3	2216.3
77.5°	212.0	224.3	290.4	440.2	752.0	1282.2	1970.0	2361.5	2240.3	2174.9	1789.2
80°	145.9	151.0	201.6	323.5	559.4	1017.1	1613.5	1954.5	1822.2	1744.4	1388.5
82.5°	102.4	106.3	140.7	238.6	421.4	759.7	1288.1	1625.8	1487.1	1430.7	1078.7
85°	73.9	76.5	101.1	177.6	320.2	570.5	980.1	1264.7	1144.1	1100.7	770.8
87.5°	55.1	57.7	76.5	131.6	246.3	433.7	731.2	905.6	775.9	719.5	486.8
90°	40.8	43.4	59.0	98.5	192.5	326.7	529.6	619.1	503.7	456.4	310.5
92.5°	30.5	32.4	44.1	72.0	147.2	250.2	373.4	391.5	298.2	271.6	195.8
95°	22.7	24.0	33.1	52.5	105.0	182.2	244.4	228.8	175.7	159.5	123.8
97.5°	18.8	19.4	25.9	40.2	73.9	127.7	156.9	140.7	113.4	105.7	85.6
100°	15.6	16.2	20.7	30.5	53.8	87.5	103.7	91.4	79.1	75.8	66.8
102.5°	13.6	14.3	17.5	25.3	40.2	62.9	72.0	65.5	58.3	55.7	51.9
105°	12.3	12.3	15.6	21.4	33.1	47.3	52.5	48.0	43.4	42.1	41.5
107.5°	11.0	11.0	13.6	18.8	27.2	36.9	39.5	35.7	31.8	31.1	33.1
110°	10.4	10.4	12.3	16.9	23.3	30.5	31.1	26.6	24.0	24.0	26.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.7	9.7	11.7	14.9	20.7	25.3	24.6	20.7	18.8	18.8	22.0
115°	9.7	9.7	11.0	14.3	18.2	21.4	20.1	16.9	15.6	15.6	18.8
117.5°	9.7	10.4	11.0	13.6	16.9	18.8	17.5	14.3	13.6	13.6	16.9
120°	10.4	10.4	11.0	13.6	15.6	16.2	14.9	12.3	11.7	12.3	15.6
122.5°	10.4	10.4	11.7	13.6	14.9	14.9	13.0	11.0	11.0	11.0	14.3
125°	11.0	11.0	11.7	13.6	14.3	13.6	11.7	10.4	10.4	11.0	13.0
127.5°	11.7	11.7	12.3	13.6	13.6	12.3	11.0	9.7	9.7	10.4	13.0
130°	13.0	13.0	13.0	13.6	12.3	11.0	9.7	9.1	9.7	10.4	13.0
132.5°	13.0	13.0	13.0	13.0	11.7	9.7	9.1	8.4	9.7	10.4	12.3
135°	11.7	11.7	11.7	11.7	10.4	8.4	7.8	7.8	9.1	9.7	11.7
137.5°	10.4	10.4	10.4	9.7	9.1	7.8	6.5	6.5	7.8	8.4	10.4
140°	9.1	9.1	8.4	8.4	7.8	6.5	5.8	5.8	6.5	7.1	8.4
142.5°	7.1	7.1	7.1	7.1	6.5	5.2	4.5	4.5	5.8	6.5	7.1
145°	5.8	5.8	5.8	5.8	5.2	4.5	3.9	3.9	4.5	5.2	5.8
147.5°	4.5	4.5	5.2	5.2	4.5	3.9	2.6	3.2	3.9	3.9	4.5
150°	3.9	3.9	3.9	4.5	3.2	2.6	1.9	2.6	3.2	3.2	3.9
152.5°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	2.6	2.6	3.2	3.2
155°	1.9	1.9	2.6	2.6	1.9	1.3	1.9	1.9	2.6	2.6	3.2
157.5°	1.3	1.3	1.9	1.9	1.9	1.3	1.3	1.9	1.9	1.9	2.6
160°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
162.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
165°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
167.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
170°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
172.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
175°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
177.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0	166.0
2.5°	166.6	165.3	162.7	160.1	157.5	154.9	154.3	153.0	152.3	151.7	152.3
5°	173.1	169.2	163.4	157.5	152.3	147.8	144.6	141.3	138.7	137.4	137.4
7.5°	184.7	178.3	168.5	158.8	149.7	142.0	136.8	132.2	129.0	127.7	127.1
10°	202.9	195.1	180.9	165.3	151.7	140.0	132.2	127.1	123.8	121.9	121.9
12.5°	234.7	225.6	202.9	178.9	156.9	140.7	130.3	125.1	121.9	121.2	121.9
15°	284.6	270.3	237.3	202.9	169.2	142.0	129.0	127.1	128.4	129.0	129.0
17.5°	342.9	323.5	281.3	229.5	182.8	147.8	134.2	132.9	134.8	136.8	138.1
20°	408.4	383.1	322.2	254.8	191.9	156.2	139.4	136.8	141.3	145.2	144.6
22.5°	491.4	460.9	374.0	274.2	198.4	158.2	141.3	138.7	146.5	151.0	152.3
25°	600.3	556.8	435.0	295.0	202.3	155.6	140.0	140.7	152.3	161.4	163.4
27.5°	718.9	656.0	491.4	311.8	202.3	149.1	138.1	145.9	162.1	173.7	175.0
30°	848.6	761.0	540.6	324.8	196.4	142.6	136.1	148.4	164.7	177.0	178.3
32.5°	986.6	869.9	591.8	329.3	188.0	137.4	134.2	146.5	160.1	171.1	173.7
35°	1109.1	967.2	611.9	322.8	176.3	133.5	129.6	140.0	153.6	167.2	167.9
37.5°	1236.8	1059.9	621.0	304.7	164.7	129.6	125.8	135.5	151.7	167.9	169.8
40°	1291.3	1083.9	595.1	279.4	153.6	127.1	123.8	134.8	152.3	168.5	171.1
42.5°	1347.0	1107.2	563.3	243.1	146.5	126.4	125.8	134.8	149.1	162.1	164.0
45°	1442.3	1159.1	549.1	218.5	142.6	128.4	127.7	132.9	143.3	154.9	158.8
47.5°	1578.5	1237.5	541.9	202.9	142.6	131.6	129.6	130.9	137.4	147.8	151.0
50°	1752.8	1346.4	551.0	194.5	145.9	136.1	132.2	130.3	132.9	143.9	147.8
52.5°	1899.4	1450.8	562.0	193.2	151.0	142.0	136.1	130.3	132.2	145.2	149.7
55°	2053.0	1549.9	574.3	196.4	157.5	146.5	138.7	131.6	132.9	145.2	150.4
57.5°	2276.0	1718.5	606.1	203.5	164.0	151.7	142.0	133.5	132.2	142.0	145.9
60°	2479.5	1879.3	653.4	217.2	171.8	156.9	145.2	134.8	131.6	138.1	140.7
62.5°	2602.7	1966.1	671.6	230.1	179.6	161.4	146.5	134.8	133.5	139.4	141.3
65°	2729.8	2049.1	678.7	240.5	184.1	164.0	146.5	136.1	136.1	140.0	140.7
67.5°	2725.2	2030.9	661.9	245.7	188.0	165.3	146.5	136.1	137.4	141.3	142.0
70°	2605.9	1926.6	619.7	245.0	187.3	163.4	143.9	135.5	140.7	145.2	145.9
72.5°	2255.9	1656.3	551.7	237.3	181.5	158.2	140.0	134.2	142.0	148.4	148.4
75°	1850.7	1349.0	455.7	222.3	174.4	151.7	134.2	129.6	139.4	148.4	148.4
77.5°	1457.9	1056.0	369.5	202.9	164.0	143.9	127.1	121.9	132.9	141.3	140.7
80°	1132.5	800.6	296.9	183.5	152.3	135.5	118.6	112.8	122.5	128.4	127.1
82.5°	868.6	616.5	245.0	165.3	140.7	125.8	110.2	105.0	114.1	118.0	116.7
85°	593.1	441.5	201.0	145.2	125.8	114.1	101.8	97.9	108.3	112.8	111.5
87.5°	391.5	303.4	167.9	127.7	110.8	102.4	92.1	90.8	102.4	107.0	106.3
90°	258.6	212.0	142.6	110.8	96.6	89.5	83.0	83.0	93.3	97.2	94.6
92.5°	170.5	150.4	112.8	94.0	82.3	77.8	73.9	73.3	82.3	83.6	81.7
95°	116.0	105.7	88.2	77.8	69.4	66.8	63.5	64.8	70.7	69.4	67.4
97.5°	83.0	80.4	71.3	63.5	57.7	57.0	55.7	56.4	59.6	57.0	55.7
100°	66.1	64.2	59.0	53.2	49.3	48.6	48.0	48.6	50.6	48.0	46.7
102.5°	53.2	53.2	49.3	44.7	41.5	42.1	42.1	42.1	42.8	38.9	38.9
105°	42.8	42.8	41.5	37.6	35.7	35.7	36.3	36.3	36.3	33.7	33.7
107.5°	34.4	35.7	35.0	31.8	30.5	31.1	31.1	30.5	30.5	29.2	29.2
110°	27.9	29.2	29.2	27.2	26.6	27.2	26.6	25.9	25.3	25.3	25.3



REPORT NUMBER: P416119

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	24.6	25.3	24.0	23.3	23.3	22.7	22.0	22.0	22.7	22.7
115°	20.1	21.4	22.0	20.7	20.7	20.7	19.4	18.8	18.8	20.1	20.1
117.5°	18.2	18.8	19.4	18.8	18.2	18.2	17.5	16.2	16.2	17.5	18.2
120°	16.2	16.9	17.5	16.9	16.2	15.6	14.9	14.3	14.3	16.2	16.2
122.5°	14.9	15.6	15.6	14.9	14.3	14.3	13.6	13.0	13.0	14.3	14.9
125°	14.3	14.3	14.3	13.6	13.0	12.3	11.7	11.7	11.7	13.0	13.0
127.5°	13.6	13.6	13.0	12.3	11.7	11.0	11.0	10.4	10.4	11.7	12.3
130°	13.6	13.6	12.3	11.7	11.0	9.7	9.7	9.1	9.7	11.0	11.0
132.5°	13.0	13.0	11.7	11.0	9.7	9.1	8.4	8.4	8.4	9.7	10.4
135°	12.3	11.7	10.4	9.7	8.4	7.8	7.8	7.8	7.8	9.1	9.1
137.5°	11.0	10.4	9.1	8.4	7.8	7.1	6.5	6.5	7.1	7.8	8.4
140°	9.1	9.1	7.8	7.1	6.5	5.8	5.8	5.8	6.5	7.1	7.1
142.5°	7.8	7.8	6.5	5.8	5.2	4.5	5.2	5.2	5.8	6.5	6.5
145°	6.5	5.8	5.8	4.5	4.5	3.9	3.9	4.5	5.2	5.8	5.8
147.5°	5.2	5.2	4.5	3.9	3.2	3.2	3.2	3.9	4.5	4.5	5.2
150°	4.5	4.5	3.9	3.9	2.6	1.9	2.6	3.9	3.9	3.9	3.9
152.5°	3.9	3.9	3.9	3.2	2.6	1.3	1.9	3.2	3.2	3.2	3.2
155°	3.2	3.2	3.2	2.6	1.9	0.6	1.9	2.6	2.6	2.6	2.6
157.5°	2.6	2.6	2.6	2.6	1.3	0.6	1.3	1.9	1.9	1.9	2.6
160°	1.9	1.9	1.9	1.9	1.3	0.6	1.3	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.9	1.3	1.3	1.3
165°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
167.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
170°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
172.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
175°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
177.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)