

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: P416016

Luminaire Tested: **LXF.LXT-PA1-60-760-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-760-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7146 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

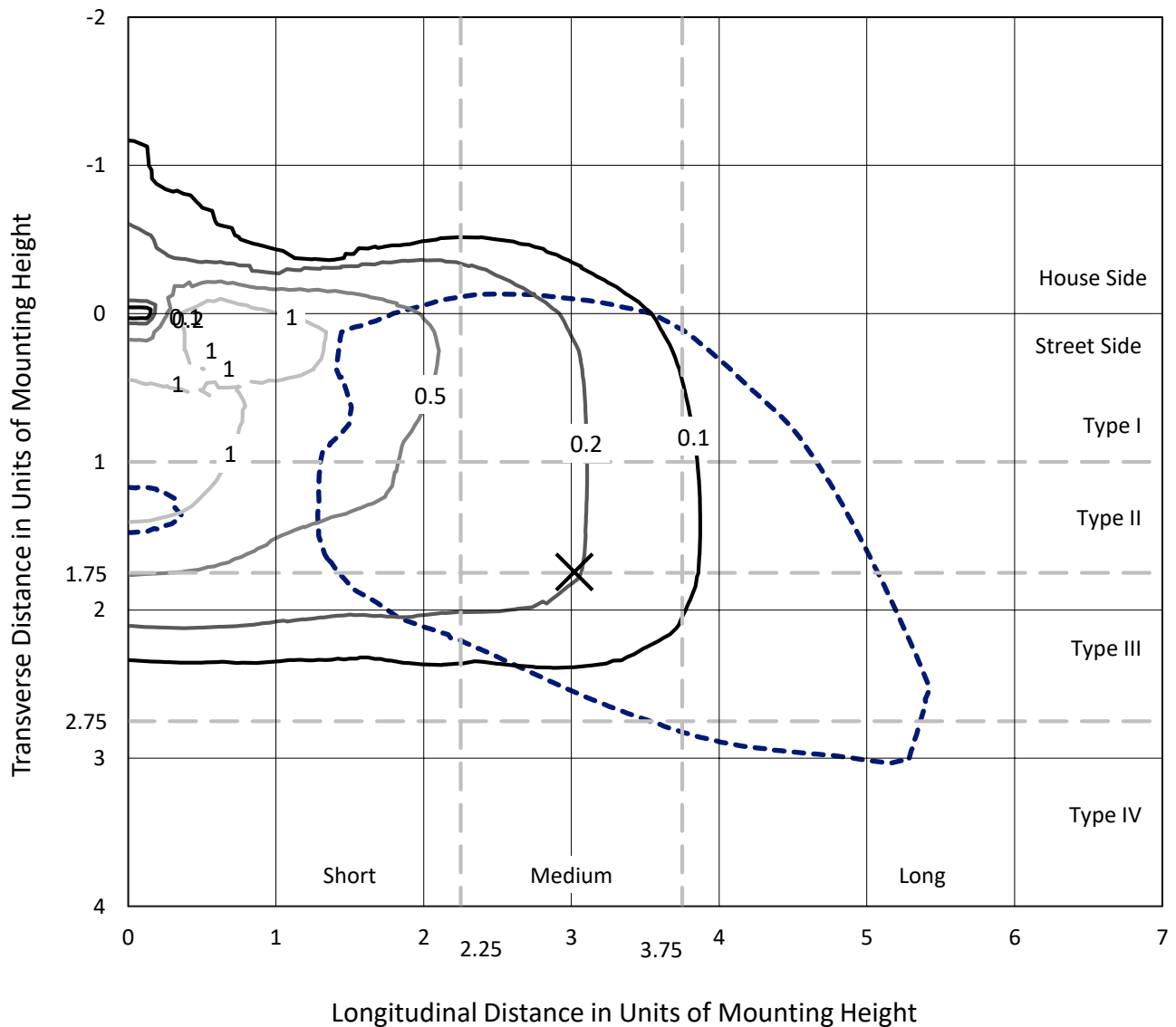
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

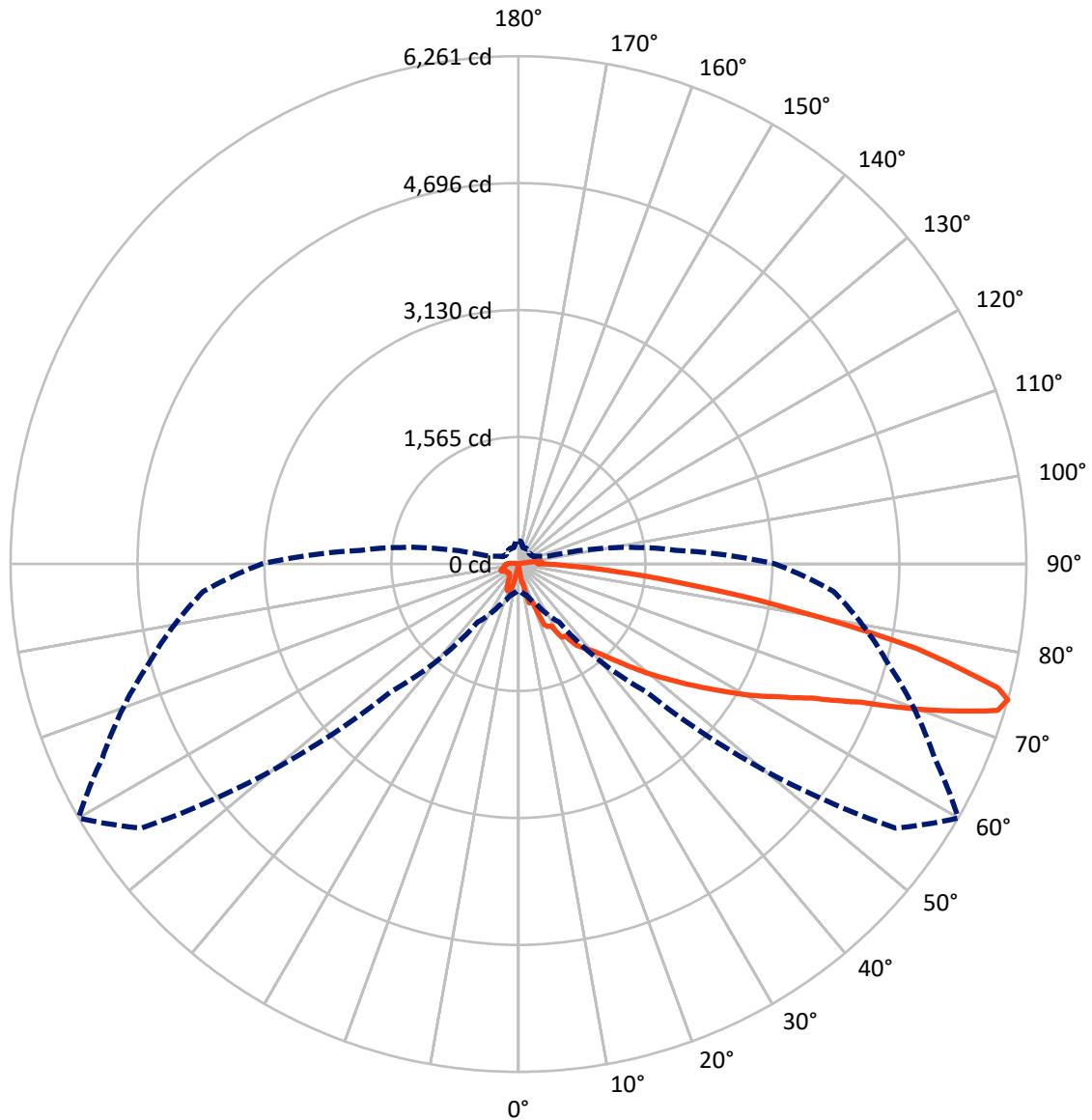
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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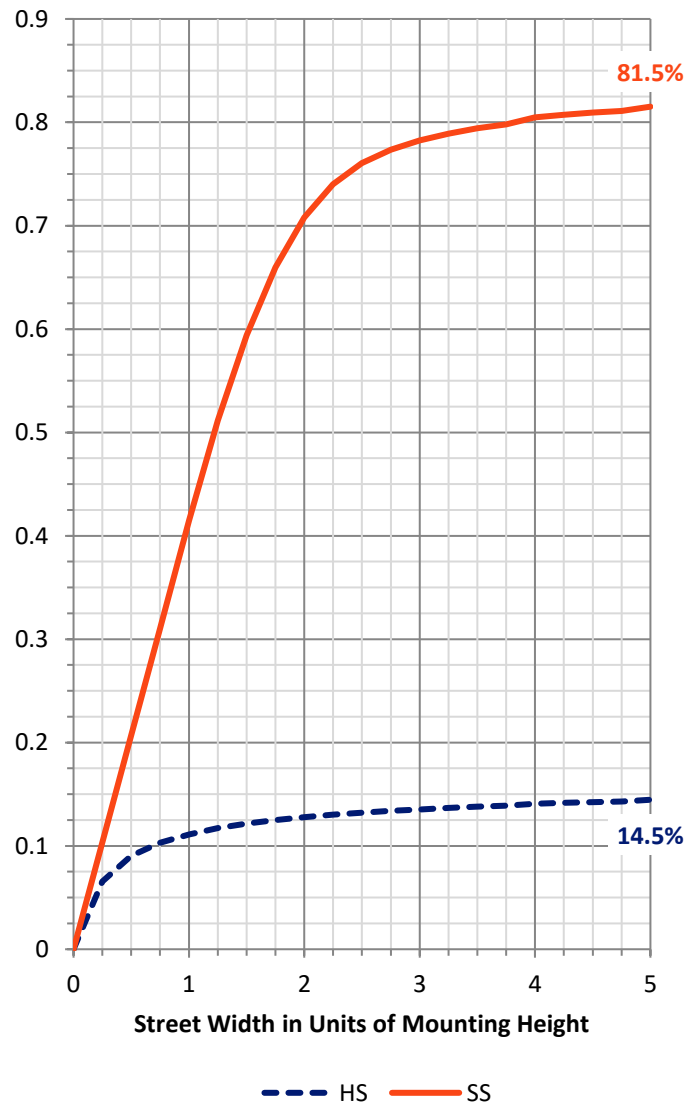
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.7	69.4	1166.1
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	5905.4	74.5	5979.9
	% Fixture	82.6	1.0	83.7
Total	Lumens	7002.1	143.9	7146.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	91.3	1.3
20°-30°	276.3	3.9
30°-40°	553.1	7.7
40°-50°	948.9	13.3
50°-60°	1446.5	20.2
60°-70°	1782.3	24.9
70°-80°	1490.0	20.9
80°-90°	405.8	5.7
90°-100°	104.8	1.5
100°-110°	18.8	0.3
110°-120°	7.0	0.1
120°-130°	5.3	0.1
130°-140°	3.7	0.1
140°-150°	3.0	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7002.1	98.0
0°-180°	7146.0	100.0



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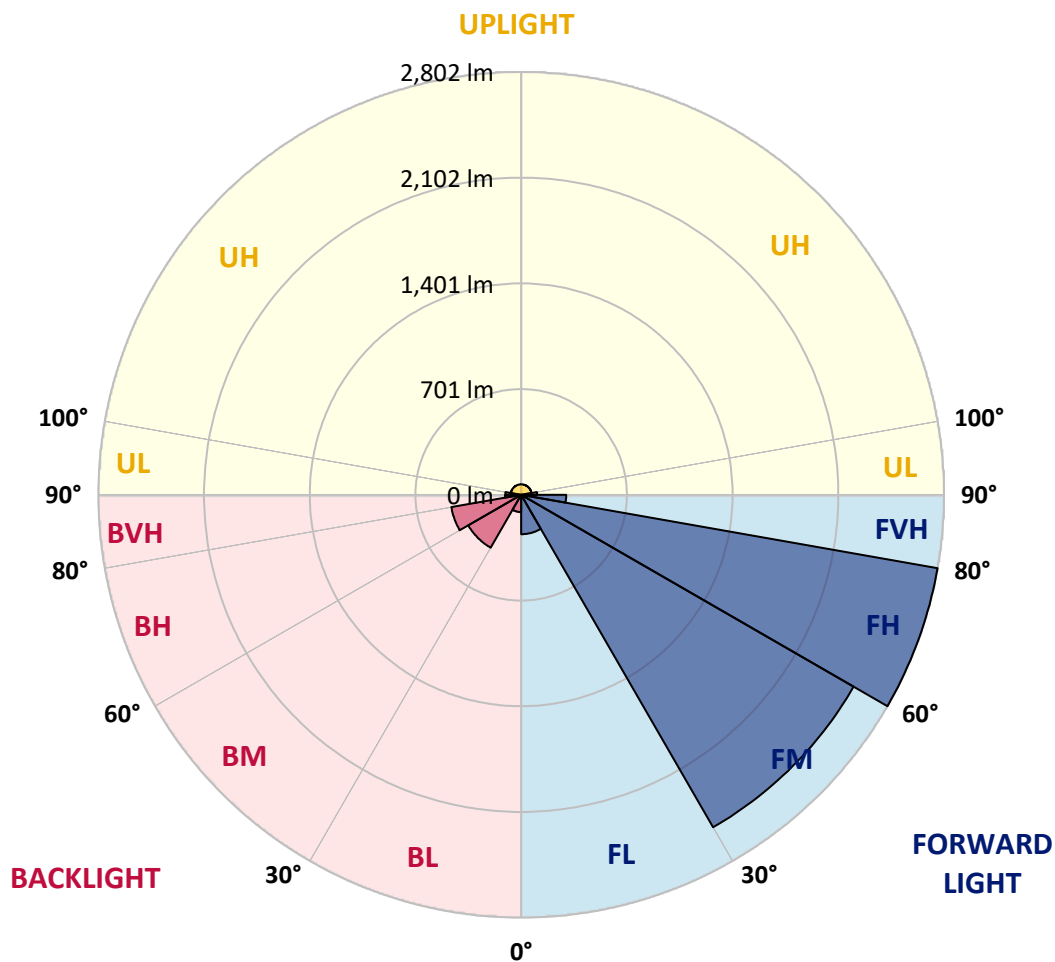
CATALOG NUMBER: LXF.LXT-PA1-60-760-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.0	3.7			
FM	(30°-60°)	2543.9	35.6			
FH	(60°-80°)	2802.2	39.2			G2/5000
FVH	(80°-90°)	298.3	4.2			G3/500
BL	(0°-30°)	114.6	1.6	B1/500		
BM	(30°-60°)	404.6	5.7	B1/1000		
BH	(60°-80°)	470.0	6.6	B1/500		G1/500
BVH	(80°-90°)	107.5	1.5			G2/225
UL	(90°-100°)	104.8	1.5		U3/500	
UH	(100°-180°)	69.4	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	9.0	8.2	7.3	8.2	9.0	8.2	6.5	5.7	4.9	4.9	4.9
5°	238.2	234.9	233.3	181.9	43.2	26.9	10.6	7.3	6.5	4.9	4.9
7.5°	241.5	238.2	239.0	238.2	234.1	234.1	75.9	27.7	15.5	5.7	5.7
10°	254.5	249.6	243.1	242.3	240.6	238.2	234.1	229.2	52.2	9.0	8.2
12.5°	469.9	467.4	464.2	358.1	259.4	241.5	239.0	233.3	179.5	34.3	158.3
15°	466.6	465.8	460.1	462.5	461.7	262.7	297.7	496.8	477.2	345.9	398.9
17.5°	489.4	487.0	469.9	459.3	460.1	524.5	487.0	490.3	491.9	437.2	427.4
20°	664.0	659.9	658.3	639.5	467.4	615.9	628.1	509.0	521.3	678.7	758.6
22.5°	672.2	666.5	659.9	655.0	737.4	613.4	664.0	810.8	774.1	898.1	846.7
25°	907.9	892.4	828.0	670.5	736.6	706.4	859.0	854.9	809.2	937.3	905.5
27.5°	983.0	972.4	925.1	889.2	751.3	845.9	854.1	863.1	1018.0	1293.0	1204.9
30°	1316.6	1234.2	1021.3	999.3	896.5	853.3	976.4	1046.6	1145.3	1298.7	1274.2
32.5°	1507.5	1467.5	1364.7	1207.3	1049.9	933.2	1058.8	1058.8	1151.0	1569.5	1611.1
35°	1816.7	1687.8	1487.1	1380.2	1197.5	1116.8	1091.5	1229.3	1360.7	1648.6	1646.2
37.5°	1928.4	1916.2	1841.1	1513.2	1408.0	1214.6	1272.6	1315.0	1425.9	1762.8	1757.9
40°	1989.6	2016.5	2022.2	1800.3	1563.8	1403.1	1382.7	1406.3	1513.2	1923.5	1861.5
42.5°	2196.8	2206.6	2236.8	1983.9	1797.1	1608.6	1551.5	1541.8	1616.0	2110.3	1998.6
45°	2531.2	2536.1	2514.1	2195.2	1987.1	1812.6	1749.0	1711.4	1776.7	2295.5	2172.3
47.5°	2914.6	2926.1	2820.0	2434.2	2160.1	2009.2	1974.9	1917.0	1958.6	2462.7	2388.5
50°	3219.7	3216.5	3027.2	2627.5	2334.7	2210.7	2200.1	2146.2	2151.1	2665.8	2621.8
52.5°	3298.9	3294.0	3132.5	2770.3	2493.7	2420.3	2468.4	2385.2	2342.0	2876.3	2864.1
55°	3179.8	3188.7	3112.9	2829.8	2594.9	2604.7	2729.5	2657.7	2599.0	3075.3	3094.9
57.5°	3007.6	2997.0	3008.5	2852.7	2674.0	2784.9	3040.3	2950.5	2894.3	3300.5	3322.5
60°	2688.7	2674.0	2821.7	2828.2	2747.4	2988.9	3370.6	3283.4	3204.2	3537.9	3514.2
62.5°	2203.3	2184.6	2451.3	2678.1	2831.4	3227.9	3696.9	3602.3	3525.6	3789.9	3745.1
65°	1466.7	1555.6	1868.1	2350.2	2800.4	3572.1	4128.5	3986.5	3847.0	4048.5	4040.4
67.5°	850.8	914.4	1143.7	1671.5	2545.1	3866.6	4812.9	4543.7	4303.0	4341.4	4322.6
70°	527.8	547.4	646.9	964.2	1793.8	3769.5	5571.5	5397.8	4887.9	4667.7	4366.7
72.5°	409.5	422.6	479.7	629.8	1090.6	2915.5	5932.1	6176.0	5478.5	4753.3	4149.7
74°	335.3	343.4	403.0	563.7	875.3	2222.9	5675.9	6260.8	5659.6	4711.7	3900.1
75°	265.1	273.3	340.2	540.8	832.1	1773.4	5296.6	6103.4	5665.3	4647.3	3599.1
77.5°	162.3	168.0	183.5	373.6	756.2	1013.2	3908.2	5024.2	5020.9	3859.3	2581.0
80°	128.9	130.5	137.0	196.6	615.9	918.5	2475.0	3467.7	3442.4	2316.7	1322.3
82.5°	88.9	95.4	108.5	127.3	327.9	899.8	1560.5	2154.4	1858.3	881.8	553.1
85°	59.5	64.4	82.4	94.6	175.4	957.7	1120.0	1212.2	914.4	436.4	364.6
87.5°	24.5	25.3	37.5	45.7	71.0	459.3	753.7	600.4	420.9	276.5	296.9
90°	13.1	13.1	9.8	10.6	26.1	98.7	246.4	239.0	198.2	227.6	279.0
92.5°	14.7	14.7	9.8	10.6	25.3	77.5	266.7	272.5	227.6	242.3	298.6
95°	16.3	16.3	9.8	9.8	24.5	53.0	256.1	288.0	234.1	254.5	301.0
97.5°	17.9	18.8	9.0	9.0	19.6	40.0	160.7	196.6	152.5	132.2	144.4
100°	18.8	18.8	8.2	8.2	13.1	28.6	74.2	94.6	73.4	34.3	23.7
102.5°	18.8	19.6	8.2	7.3	9.0	17.9	23.7	34.3	26.9	20.4	22.0
105°	17.9	19.6	8.2	7.3	7.3	9.8	12.2	13.9	14.7	14.7	22.8
107.5°	13.9	15.5	6.5	7.3	6.5	6.5	4.9	5.7	7.3	13.1	22.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.8	9.8	4.9	6.5	5.7	6.5	4.1	4.9	6.5	9.8	18.8
112.5°	4.9	4.1	3.3	4.9	4.9	5.7	4.1	4.1	5.7	8.2	13.1
115°	3.3	4.1	2.4	3.3	4.1	4.1	3.3	4.1	4.9	8.2	13.9
117.5°	3.3	3.3	2.4	3.3	4.1	3.3	3.3	4.1	4.9	8.2	13.9
120°	4.1	3.3	2.4	3.3	3.3	2.4	3.3	4.1	4.1	8.2	13.9
122.5°	4.1	4.1	3.3	3.3	3.3	2.4	3.3	3.3	4.1	8.2	13.1
125°	4.9	4.1	3.3	3.3	3.3	2.4	3.3	3.3	4.1	7.3	12.2
127.5°	4.9	4.9	3.3	3.3	4.1	2.4	3.3	3.3	4.1	6.5	11.4
130°	4.9	4.9	4.1	3.3	4.1	3.3	3.3	3.3	4.1	5.7	9.8
132.5°	4.9	4.9	4.1	4.1	4.1	3.3	3.3	3.3	3.3	4.9	8.2
135°	5.7	4.9	4.1	4.1	4.9	3.3	3.3	3.3	3.3	4.1	5.7
137.5°	5.7	5.7	4.9	4.9	5.7	4.1	3.3	4.1	4.1	4.1	4.9
140°	6.5	6.5	6.5	5.7	5.7	4.1	4.1	4.1	4.1	4.9	4.9
142.5°	8.2	7.3	7.3	6.5	5.7	4.1	4.1	4.1	4.9	4.9	4.9
145°	9.0	9.0	8.2	7.3	5.7	4.1	4.1	4.9	4.9	5.7	5.7
147.5°	9.0	9.0	8.2	6.5	4.9	3.3	4.1	4.9	4.9	5.7	6.5
150°	9.0	8.2	7.3	5.7	4.1	2.4	3.3	4.1	4.9	5.7	6.5
152.5°	6.5	6.5	5.7	4.1	3.3	1.6	2.4	3.3	4.1	4.9	5.7
155°	4.1	4.1	3.3	2.4	2.4	1.6	2.4	3.3	3.3	4.1	4.9
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	3.3	3.3
160°	0.8	0.8	1.6	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	4.9	4.9	4.9	4.1	4.1	2.4	3.3	3.3	4.1	4.9	5.7
5°	4.9	5.7	4.9	4.1	4.1	3.3	4.1	4.1	4.1	5.7	5.7
7.5°	5.7	5.7	4.9	4.9	4.1	3.3	5.7	176.2	202.3	208.8	210.5
10°	7.3	7.3	6.5	5.7	4.9	190.1	209.6	209.6	208.0	209.6	209.6
12.5°	162.3	174.6	27.7	13.9	156.6	197.4	192.5	189.3	186.0	182.7	181.1
15°	394.8	382.6	350.8	263.5	243.1	181.1	166.4	230.9	246.4	250.4	249.6
17.5°	416.8	397.3	349.1	366.3	321.4	231.7	208.8	207.2	198.2	198.2	199.0
20°	783.9	739.1	476.4	357.3	279.0	280.6	178.6	159.1	166.4	177.0	183.5
22.5°	805.1	746.4	557.2	465.0	251.2	226.8	174.6	154.2	208.0	229.2	230.9
25°	859.0	765.2	564.5	391.6	283.9	186.0	173.8	160.7	190.9	210.5	208.8
27.5°	1163.2	1031.9	717.0	360.6	224.3	175.4	164.0	154.2	190.1	221.9	221.1
30°	1161.6	1017.2	662.4	332.0	185.2	163.1	149.3	168.0	177.0	189.3	190.1
32.5°	1508.3	1293.0	724.4	275.7	164.0	141.1	147.6	153.4	160.7	191.7	198.2
35°	1515.6	1264.4	628.9	252.9	150.9	134.6	138.7	151.7	167.2	186.8	188.4
37.5°	1545.0	1249.7	522.1	208.8	155.0	136.2	144.4	159.1	155.0	181.9	185.2
40°	1598.9	1253.8	438.9	186.8	152.5	136.2	150.9	153.4	154.2	168.0	169.7
42.5°	1682.1	1275.8	368.7	177.0	150.1	147.6	146.0	146.8	141.1	168.9	172.1
45°	1800.3	1321.5	314.9	173.8	150.1	172.1	152.5	146.8	134.6	194.1	208.0
47.5°	1974.9	1411.2	283.1	174.6	150.9	164.8	150.9	142.8	140.3	226.8	236.6
50°	2172.3	1514.0	261.9	177.8	150.9	162.3	148.5	146.8	155.8	230.0	232.5
52.5°	2384.4	1651.1	254.5	181.1	162.3	164.8	168.9	168.0	150.1	184.4	184.4
55°	2599.8	1793.0	257.0	185.2	171.3	168.9	180.3	159.1	128.9	137.0	135.4
57.5°	2802.9	1958.6	274.1	182.7	165.6	167.2	181.9	149.3	128.9	137.0	140.3
60°	3023.1	2138.1	321.4	176.2	163.1	162.3	179.5	157.4	128.9	157.4	158.3
62.5°	3291.5	2385.2	424.2	182.7	176.2	167.2	180.3	173.8	147.6	150.9	154.2
65°	3608.8	2640.6	522.1	208.0	186.0	168.0	177.8	182.7	167.2	161.5	160.7
67.5°	3841.3	2703.4	526.2	241.5	199.0	177.0	179.5	199.0	182.7	186.0	184.4
70°	3782.6	2532.1	456.0	255.3	207.2	184.4	184.4	206.4	192.5	221.1	221.9
72.5°	3495.5	2198.4	385.0	236.6	196.6	186.8	204.8	213.7	204.8	265.9	262.7
74°	3165.9	1947.2	354.0	215.4	192.5	186.0	210.5	213.7	211.3	283.9	281.4
75°	2913.0	1749.8	336.9	203.1	190.1	183.5	212.1	214.5	213.7	286.3	285.5
77.5°	2013.3	1182.0	294.5	181.1	186.0	183.5	211.3	219.4	225.1	284.7	282.2
80°	1032.7	646.9	245.5	171.3	184.4	188.4	208.8	212.1	221.1	269.2	266.7
82.5°	518.0	372.8	180.3	157.4	186.8	204.8	209.6	205.6	208.0	248.0	243.9
85°	333.6	257.8	119.9	132.2	190.1	221.9	208.8	191.7	195.0	216.2	214.5
87.5°	268.4	190.9	73.4	102.8	202.3	203.1	190.9	169.7	165.6	169.7	167.2
90°	248.0	177.0	62.0	97.1	195.8	169.7	155.8	138.7	124.0	124.8	119.9
92.5°	266.7	185.2	66.1	96.3	155.8	119.1	114.2	105.2	87.3	77.5	72.6
95°	262.7	177.8	66.9	81.6	114.2	67.7	80.8	74.2	53.8	40.8	38.3
97.5°	126.4	89.7	59.5	63.6	66.9	51.4	68.5	62.8	39.2	25.3	23.7
100°	23.7	33.4	53.0	60.4	53.0	40.0	53.8	48.1	21.2	13.1	12.2
102.5°	22.8	18.8	40.0	54.7	33.4	22.8	29.4	26.9	13.9	9.8	9.8
105°	23.7	18.8	18.8	37.5	20.4	10.6	9.0	13.1	9.8	9.8	10.6
107.5°	24.5	18.8	11.4	12.2	9.8	8.2	6.5	6.5	7.3	10.6	11.4



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CATALOG NUMBER: LXF.LXT-PA1-60-760-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.6	16.3	10.6	9.8	9.0	8.2	6.5	5.7	7.3	11.4	12.2
112.5°	13.9	13.1	9.8	8.2	7.3	7.3	5.7	4.9	7.3	12.2	13.1
115°	13.9	13.1	8.2	7.3	5.7	6.5	5.7	4.9	7.3	13.9	14.7
117.5°	14.7	12.2	8.2	6.5	4.9	4.9	4.9	4.9	8.2	13.9	14.7
120°	14.7	12.2	8.2	5.7	4.9	4.1	4.9	4.9	8.2	13.9	15.5
122.5°	13.9	12.2	7.3	5.7	4.9	4.1	4.1	4.1	7.3	13.9	14.7
125°	13.1	11.4	7.3	5.7	4.9	3.3	4.1	4.1	7.3	13.1	14.7
127.5°	12.2	10.6	7.3	5.7	4.1	3.3	4.1	4.1	7.3	12.2	13.9
130°	10.6	9.8	6.5	4.9	4.1	3.3	4.1	4.1	7.3	11.4	13.1
132.5°	9.0	8.2	5.7	4.9	4.1	3.3	4.1	3.3	5.7	10.6	11.4
135°	6.5	6.5	5.7	4.1	4.1	2.4	3.3	3.3	4.9	8.2	9.0
137.5°	5.7	5.7	4.9	4.1	4.1	2.4	3.3	2.4	4.1	6.5	7.3
140°	5.7	5.7	4.9	4.1	3.3	2.4	2.4	2.4	3.3	5.7	5.7
142.5°	5.7	5.7	4.9	4.1	3.3	2.4	2.4	2.4	3.3	4.9	5.7
145°	5.7	5.7	5.7	4.9	3.3	2.4	2.4	2.4	3.3	4.9	4.9
147.5°	6.5	6.5	5.7	4.1	3.3	1.6	1.6	2.4	3.3	4.9	4.9
150°	6.5	6.5	5.7	4.1	3.3	1.6	0.8	1.6	2.4	4.1	4.9
152.5°	5.7	5.7	4.9	4.1	2.4	1.6	0.8	1.6	2.4	4.1	4.1
155°	4.9	4.9	4.1	3.3	2.4	0.8	0.0	0.8	1.6	3.3	3.3
157.5°	3.3	4.1	3.3	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	3.3	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)