

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: P416639

Luminaire Tested: **LXF.LXT-PA1-80-727-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416639
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-PA1-80-727-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7133 lumens
Efficiency: N/A
Efficacy: 85.9 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: B2 - U3 - G3

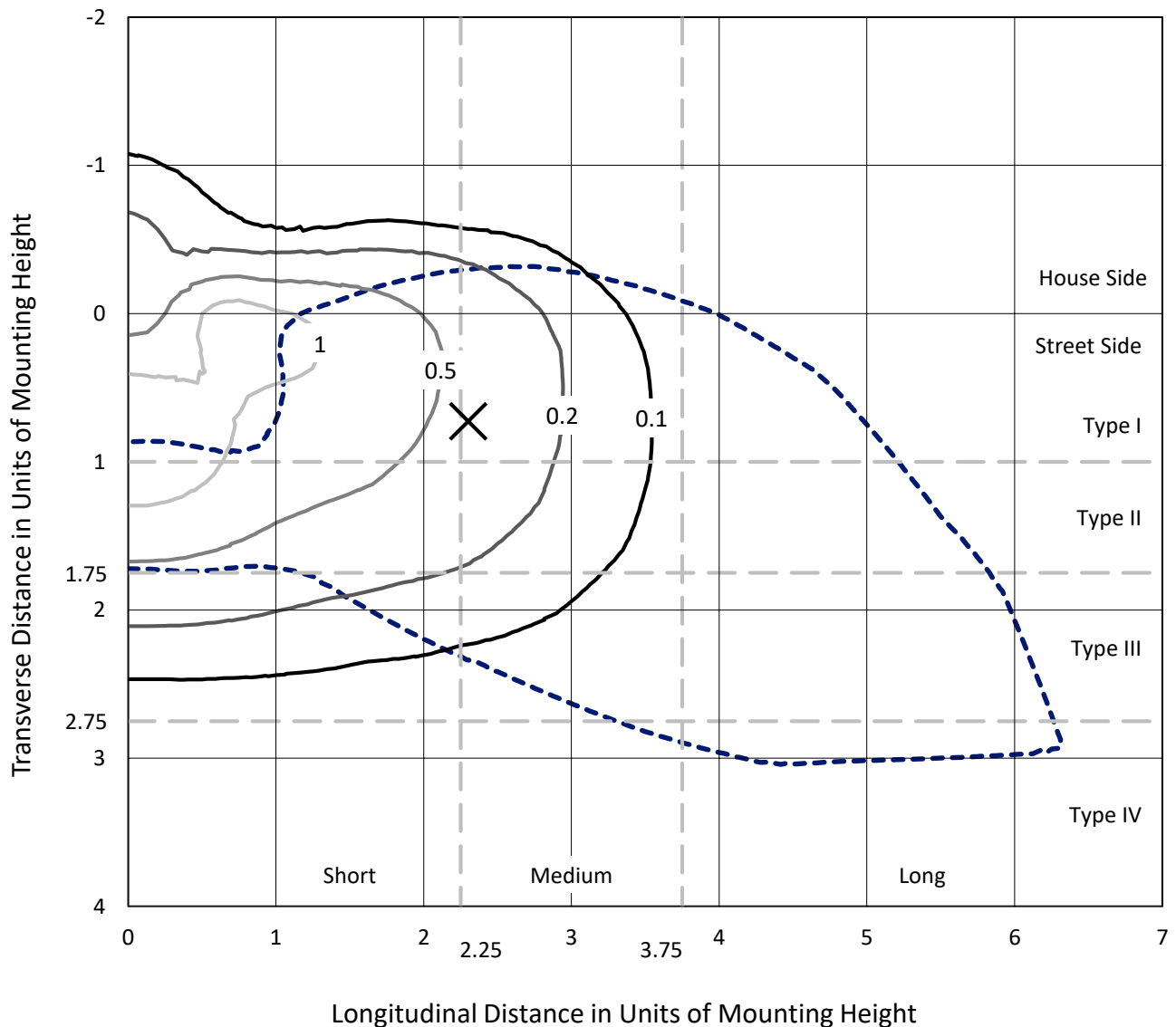
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

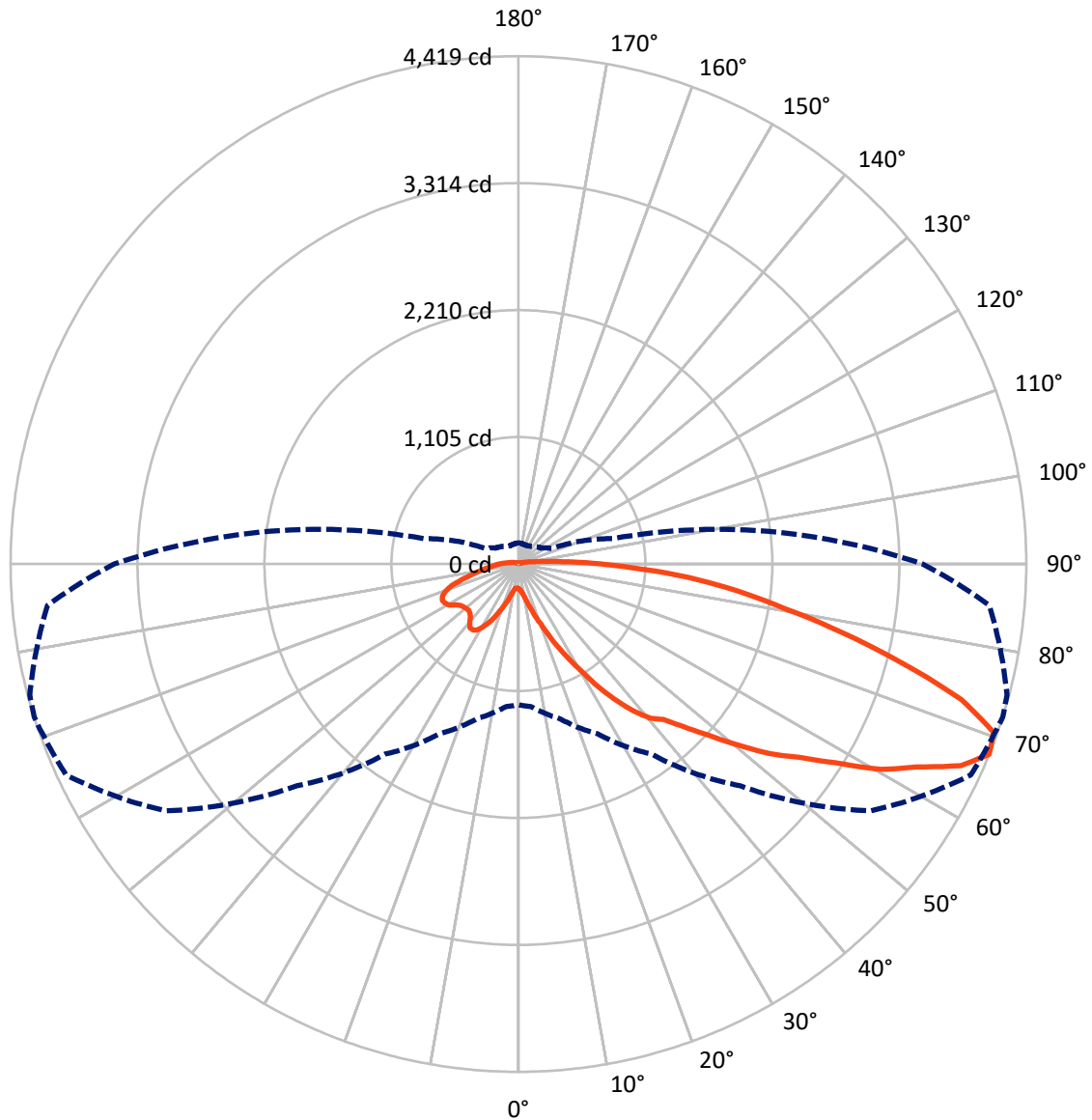
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1248.1	109.7	1357.8
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	5620.1	155.1	5775.2
	% Fixture	78.8	2.2	81.0
Total	Lumens	6868.2	264.8	7133.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.3
10°-20°	96.3	1.3
20°-30°	266.8	3.7
30°-40°	573.6	8.0
40°-50°	970.9	13.6
50°-60°	1424.5	20.0
60°-70°	1698.8	23.8
70°-80°	1268.7	17.8
80°-90°	546.3	7.7
90°-100°	158.5	2.2
100°-110°	51.6	0.7
110°-120°	24.2	0.3
120°-130°	14.8	0.2
130°-140°	9.5	0.1
140°-150°	4.2	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6868.2	96.3
0°-180°	7133.0	100.0

Coefficient of Utilization



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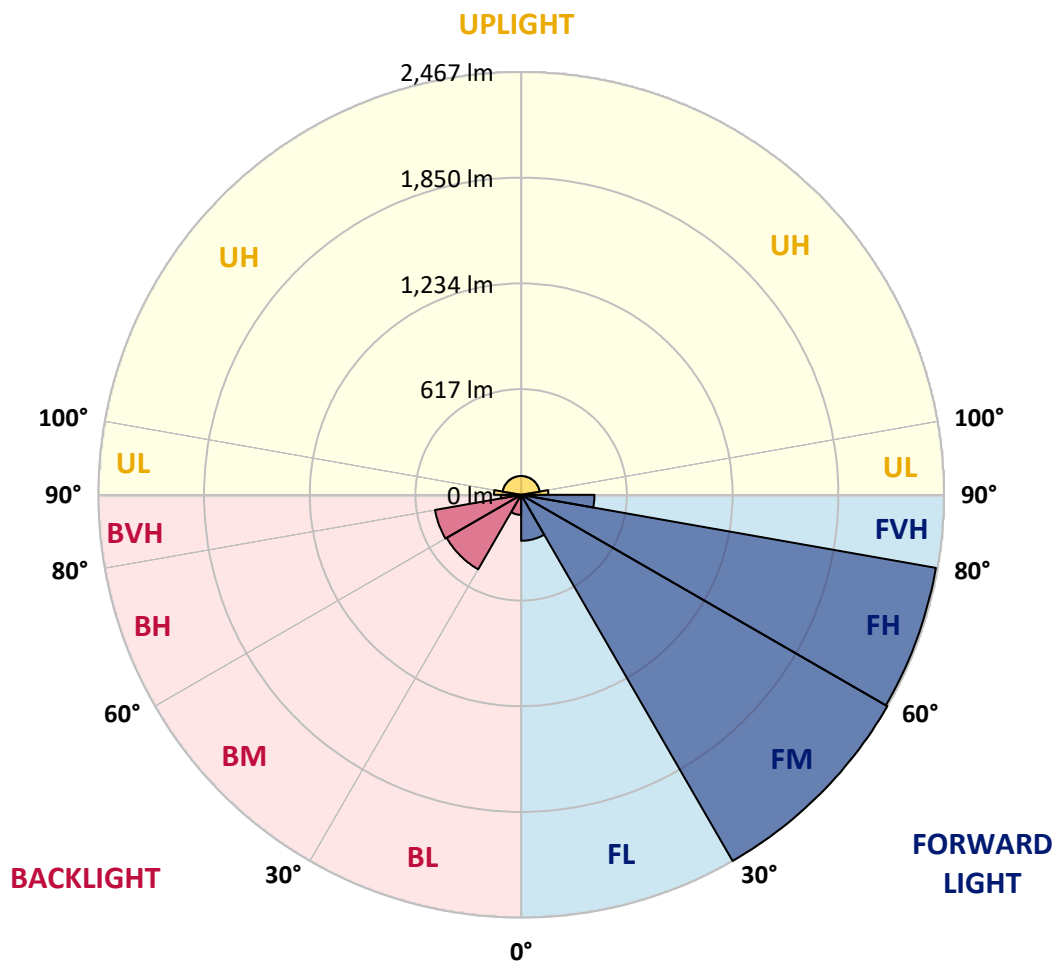
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.4	3.8			
FM	(30°-60°)	2467.1	34.6			
FH	(60°-80°)	2457.2	34.4			G2/5000
FVH	(80°-90°)	427.4	6.0			G3/500
BL	(0°-30°)	117.0	1.6	B1/500		
BM	(30°-60°)	501.9	7.0	B1/1000		
BH	(60°-80°)	510.3	7.2	B2/1000		G2/1000
BVH	(80°-90°)	119.0	1.7			G2/225
UL	(90°-100°)	158.5	2.2		U3/500	
UH	(100°-180°)	109.7	1.5		U3/500	

BUG Rating: B2-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°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	234.2	235.8	237.5	236.7	235.8	233.3	229.1	225.0	220.8	220.8	217.4
5°	267.6	266.8	265.9	266.8	262.6	256.7	250.1	242.5	236.7	235.0	226.6
7.5°	306.1	304.4	306.1	301.1	295.2	287.7	277.7	267.6	257.6	255.9	242.5
10°	352.1	350.4	349.6	345.4	334.5	323.6	313.6	297.7	290.2	287.7	270.1
12.5°	409.8	409.0	403.9	395.6	381.4	370.5	356.3	347.9	340.4	334.5	317.0
15°	475.9	477.5	471.7	454.1	436.6	419.8	413.1	406.4	400.6	398.1	383.0
17.5°	568.7	565.3	552.0	525.2	496.8	483.4	477.5	473.3	479.2	477.5	454.1
20°	683.3	674.9	654.0	608.0	572.9	551.1	546.1	553.6	557.0	565.3	549.5
22.5°	817.9	807.0	771.9	720.1	669.0	628.1	623.0	645.6	666.5	669.0	662.4
25°	949.2	939.2	908.2	840.5	771.9	717.5	705.8	756.0	797.8	805.4	814.6
27.5°	1083.8	1078.8	1033.7	960.1	884.8	816.2	814.6	868.9	934.2	951.7	967.6
30°	1236.9	1248.6	1191.7	1098.9	1004.4	925.0	920.8	1001.1	1081.3	1119.0	1145.7
32.5°	1452.7	1442.6	1371.5	1267.8	1127.3	1034.5	1040.4	1134.0	1269.5	1301.3	1336.4
35°	1700.2	1703.5	1606.5	1445.1	1279.5	1165.0	1160.8	1291.3	1448.5	1475.2	1533.8
37.5°	1903.4	1920.2	1848.2	1662.6	1450.1	1302.1	1308.0	1454.3	1619.9	1673.4	1724.5
40°	2121.7	2136.8	2053.1	1872.5	1635.8	1453.5	1461.9	1604.0	1762.1	1805.6	1818.1
42.5°	2360.0	2375.1	2273.9	2059.8	1792.2	1635.8	1603.2	1711.9	1849.9	1904.3	1915.1
45°	2583.3	2609.3	2507.2	2255.5	1967.0	1799.7	1750.4	1838.2	2018.8	2069.0	2080.7
47.5°	2651.9	2682.9	2638.5	2432.8	2134.2	1941.1	1908.4	2030.5	2225.4	2299.8	2284.8
50°	2718.0	2746.4	2719.7	2537.3	2273.1	2105.0	2112.5	2254.7	2475.5	2570.8	2559.1
52.5°	2728.0	2757.3	2729.7	2601.7	2391.8	2270.6	2354.2	2522.3	2741.4	2810.8	2794.1
55°	2744.7	2764.0	2738.9	2594.2	2478.0	2447.0	2605.1	2796.6	2970.5	3053.3	3025.7
57.5°	2512.3	2519.8	2610.9	2572.5	2496.4	2642.7	2887.8	3060.9	3265.8	3389.5	3375.3
60°	2177.7	2193.6	2306.5	2395.2	2483.8	2782.4	3165.4	3427.2	3627.9	3709.0	3632.1
62.5°	1902.6	1920.2	2038.9	2152.6	2377.6	2844.3	3455.6	3755.0	3887.1	3960.7	3869.6
65°	1532.9	1546.3	1691.0	1914.3	2204.5	2820.0	3673.0	4096.2	4229.2	4258.5	4082.0
67.5°	1225.2	1245.3	1392.4	1630.8	2018.8	2728.0	3744.1	4342.1	4419.0	4401.5	4112.9
70°	911.6	921.6	1101.4	1404.2	1798.9	2527.3	3676.4	4397.3	4385.6	4363.0	3967.4
72.5°	628.1	626.4	795.3	1090.5	1569.7	2298.2	3361.1	4085.3	4030.1	3971.6	3470.7
75°	405.6	428.2	533.6	792.8	1269.5	1967.0	2953.0	3547.6	3453.9	3361.1	2859.3
77.5°	273.5	289.4	374.7	567.8	970.1	1654.2	2541.5	3046.7	2890.3	2805.8	2308.2
80°	188.2	194.9	260.1	417.3	721.7	1312.2	2081.6	2521.5	2350.8	2250.5	1791.4
82.5°	132.1	137.2	181.5	307.8	543.6	980.1	1661.7	2097.4	1918.5	1845.7	1391.6
85°	95.3	98.7	130.5	229.1	413.1	735.9	1264.5	1631.6	1476.1	1420.0	994.4
87.5°	71.1	74.4	98.7	169.8	317.8	559.5	943.3	1168.3	1001.1	928.3	628.1
90°	52.7	56.0	76.1	127.1	248.4	421.5	683.3	798.7	649.8	588.8	400.6
92.5°	39.3	41.8	56.9	92.8	189.8	322.8	481.7	505.1	384.7	350.4	252.6
95°	29.3	30.9	42.7	67.7	135.5	235.0	315.3	295.2	226.6	205.7	159.7
97.5°	24.3	25.1	33.5	51.9	95.3	164.8	202.4	181.5	146.4	136.3	110.4
100°	20.1	20.9	26.8	39.3	69.4	112.9	133.8	117.9	102.0	97.8	86.1
102.5°	17.6	18.4	22.6	32.6	51.9	81.1	92.8	84.5	75.3	71.9	66.9
105°	15.9	15.9	20.1	27.6	42.7	61.1	67.7	61.9	56.0	54.4	53.5
107.5°	14.2	14.2	17.6	24.3	35.1	47.7	51.0	46.0	41.0	40.1	42.7
110°	13.4	13.4	15.9	21.7	30.1	39.3	40.1	34.3	30.9	30.9	34.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.5	12.5	15.1	19.2	26.8	32.6	31.8	26.8	24.3	24.3	28.4
115°	12.5	12.5	14.2	18.4	23.4	27.6	25.9	21.7	20.1	20.1	24.3
117.5°	12.5	13.4	14.2	17.6	21.7	24.3	22.6	18.4	17.6	17.6	21.7
120°	13.4	13.4	14.2	17.6	20.1	20.9	19.2	15.9	15.1	15.9	20.1
122.5°	13.4	13.4	15.1	17.6	19.2	19.2	16.7	14.2	14.2	14.2	18.4
125°	14.2	14.2	15.1	17.6	18.4	17.6	15.1	13.4	13.4	14.2	16.7
127.5°	15.1	15.1	15.9	17.6	17.6	15.9	14.2	12.5	12.5	13.4	16.7
130°	16.7	16.7	16.7	17.6	15.9	14.2	12.5	11.7	12.5	13.4	16.7
132.5°	16.7	16.7	16.7	16.7	15.1	12.5	11.7	10.9	12.5	13.4	15.9
135°	15.1	15.1	15.1	15.1	13.4	10.9	10.0	10.0	11.7	12.5	15.1
137.5°	13.4	13.4	13.4	12.5	11.7	10.0	8.4	8.4	10.0	10.9	13.4
140°	11.7	11.7	10.9	10.9	10.0	8.4	7.5	7.5	8.4	9.2	10.9
142.5°	9.2	9.2	9.2	9.2	8.4	6.7	5.9	5.9	7.5	8.4	9.2
145°	7.5	7.5	7.5	7.5	6.7	5.9	5.0	5.0	5.9	6.7	7.5
147.5°	5.9	5.9	6.7	6.7	5.9	5.0	3.3	4.2	5.0	5.0	5.9
150°	5.0	5.0	5.0	5.9	4.2	3.3	2.5	3.3	4.2	4.2	5.0
152.5°	4.2	4.2	4.2	4.2	3.3	1.7	2.5	3.3	3.3	4.2	4.2
155°	2.5	2.5	3.3	3.3	2.5	1.7	2.5	2.5	3.3	3.3	4.2
157.5°	1.7	1.7	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5	3.3
160°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
162.5°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
165°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
167.5°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
170°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
172.5°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
175°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
177.5°	0.0	0.8	1.7	2.5	2.5	1.7	1.7	1.7	1.7	1.7	2.5
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1
2.5°	214.9	213.3	209.9	206.6	203.2	199.9	199.0	197.4	196.5	195.7	196.5
5°	223.3	218.3	210.7	203.2	196.5	190.7	186.5	182.3	179.0	177.3	177.3
7.5°	238.3	230.0	217.4	204.9	193.2	183.2	176.5	170.6	166.4	164.8	163.9
10°	261.8	251.7	233.3	213.3	195.7	180.6	170.6	163.9	159.7	157.2	157.2
12.5°	302.7	291.0	261.8	230.8	202.4	181.5	168.1	161.4	157.2	156.4	157.2
15°	367.1	348.7	306.1	261.8	218.3	183.2	166.4	163.9	165.6	166.4	166.4
17.5°	442.4	417.3	363.0	296.1	235.8	190.7	173.1	171.4	174.0	176.5	178.1
20°	526.9	494.3	415.6	328.7	247.5	201.5	179.8	176.5	182.3	187.3	186.5
22.5°	633.9	594.6	482.5	353.8	255.9	204.1	182.3	179.0	189.0	194.9	196.5
25°	774.4	718.4	561.2	380.5	260.9	200.7	180.6	181.5	196.5	208.2	210.7
27.5°	927.5	846.3	633.9	402.3	260.9	192.3	178.1	188.2	209.1	224.1	225.8
30°	1094.7	981.8	697.5	419.0	253.4	184.0	175.6	191.5	212.4	228.3	230.0
32.5°	1272.9	1122.3	763.5	424.8	242.5	177.3	173.1	189.0	206.6	220.8	224.1
35°	1430.9	1247.8	789.5	416.5	227.5	172.3	167.3	180.6	198.2	215.8	216.6
37.5°	1595.7	1367.4	801.2	393.1	212.4	167.3	162.2	174.8	195.7	216.6	219.1
40°	1665.9	1398.3	767.7	360.4	198.2	163.9	159.7	174.0	196.5	217.4	220.8
42.5°	1737.8	1428.4	726.7	313.6	189.0	163.1	162.2	174.0	192.3	209.1	211.6
45°	1860.8	1495.3	708.3	281.8	184.0	165.6	164.8	171.4	184.8	199.9	204.9
47.5°	2036.4	1596.5	699.1	261.8	184.0	169.8	167.3	168.9	177.3	190.7	194.9
50°	2261.4	1737.0	710.9	250.9	188.2	175.6	170.6	168.1	171.4	185.7	190.7
52.5°	2450.4	1871.6	725.1	249.2	194.9	183.2	175.6	168.1	170.6	187.3	193.2
55°	2648.6	1999.6	741.0	253.4	203.2	189.0	179.0	169.8	171.4	187.3	194.0
57.5°	2936.3	2217.0	781.9	262.6	211.6	195.7	183.2	172.3	170.6	183.2	188.2
60°	3198.9	2424.4	843.0	280.2	221.6	202.4	187.3	174.0	169.8	178.1	181.5
62.5°	3357.8	2536.5	866.4	296.9	231.7	208.2	189.0	174.0	172.3	179.8	182.3
65°	3521.7	2643.6	875.6	310.3	237.5	211.6	189.0	175.6	175.6	180.6	181.5
67.5°	3515.8	2620.1	853.9	317.0	242.5	213.3	189.0	175.6	177.3	182.3	183.2
70°	3361.9	2485.5	799.5	316.1	241.7	210.7	185.7	174.8	181.5	187.3	188.2
72.5°	2910.3	2136.8	711.7	306.1	234.2	204.1	180.6	173.1	183.2	191.5	191.5
75°	2387.6	1740.3	587.9	286.9	225.0	195.7	173.1	167.3	179.8	191.5	191.5
77.5°	1880.8	1362.3	476.7	261.8	211.6	185.7	163.9	157.2	171.4	182.3	181.5
80°	1461.0	1032.8	383.0	236.7	196.5	174.8	153.0	145.5	158.1	165.6	163.9
82.5°	1120.6	795.3	316.1	213.3	181.5	162.2	142.2	135.5	147.2	152.2	150.5
85°	765.2	569.5	259.3	187.3	162.2	147.2	131.3	126.3	139.7	145.5	143.8
87.5°	505.1	391.4	216.6	164.8	143.0	132.1	118.8	117.1	132.1	138.0	137.2
90°	333.7	273.5	184.0	143.0	124.6	115.4	107.0	107.0	120.4	125.4	122.1
92.5°	219.9	194.0	145.5	121.3	106.2	100.4	95.3	94.5	106.2	107.9	105.4
95°	149.7	136.3	113.7	100.4	89.5	86.1	82.0	83.6	91.2	89.5	87.0
97.5°	107.0	103.7	92.0	82.0	74.4	73.6	71.9	72.8	76.9	73.6	71.9
100°	85.3	82.8	76.1	68.6	63.6	62.7	61.9	62.7	65.2	61.9	60.2
102.5°	68.6	68.6	63.6	57.7	53.5	54.4	54.4	54.4	55.2	50.2	50.2
105°	55.2	55.2	53.5	48.5	46.0	46.0	46.8	46.8	46.8	43.5	43.5
107.5°	44.3	46.0	45.2	41.0	39.3	40.1	40.1	39.3	39.3	37.6	37.6
110°	36.0	37.6	37.6	35.1	34.3	35.1	34.3	33.5	32.6	32.6	32.6



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.1	31.8	32.6	30.9	30.1	30.1	29.3	28.4	28.4	29.3	29.3
115°	25.9	27.6	28.4	26.8	26.8	26.8	25.1	24.3	24.3	25.9	25.9
117.5°	23.4	24.3	25.1	24.3	23.4	23.4	22.6	20.9	20.9	22.6	23.4
120°	20.9	21.7	22.6	21.7	20.9	20.1	19.2	18.4	18.4	20.9	20.9
122.5°	19.2	20.1	20.1	19.2	18.4	18.4	17.6	16.7	16.7	18.4	19.2
125°	18.4	18.4	18.4	17.6	16.7	15.9	15.1	15.1	15.1	16.7	16.7
127.5°	17.6	17.6	16.7	15.9	15.1	14.2	14.2	13.4	13.4	15.1	15.9
130°	17.6	17.6	15.9	15.1	14.2	12.5	12.5	11.7	12.5	14.2	14.2
132.5°	16.7	16.7	15.1	14.2	12.5	11.7	10.9	10.9	10.9	12.5	13.4
135°	15.9	15.1	13.4	12.5	10.9	10.0	10.0	10.0	10.0	11.7	11.7
137.5°	14.2	13.4	11.7	10.9	10.0	9.2	8.4	8.4	9.2	10.0	10.9
140°	11.7	11.7	10.0	9.2	8.4	7.5	7.5	7.5	8.4	9.2	9.2
142.5°	10.0	10.0	8.4	7.5	6.7	5.9	6.7	6.7	7.5	8.4	8.4
145°	8.4	7.5	7.5	5.9	5.9	5.0	5.0	5.9	6.7	7.5	7.5
147.5°	6.7	6.7	5.9	5.0	4.2	4.2	4.2	5.0	5.9	5.9	6.7
150°	5.9	5.9	5.0	5.0	3.3	2.5	3.3	5.0	5.0	5.0	5.0
152.5°	5.0	5.0	5.0	4.2	3.3	1.7	2.5	4.2	4.2	4.2	4.2
155°	4.2	4.2	4.2	3.3	2.5	0.8	2.5	3.3	3.3	3.3	3.3
157.5°	3.3	3.3	3.3	3.3	1.7	0.8	1.7	2.5	2.5	2.5	3.3
160°	2.5	2.5	2.5	2.5	1.7	0.8	1.7	2.5	2.5	2.5	2.5
162.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	2.5	1.7	1.7	1.7
165°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
167.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8
170°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8
172.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8
175°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8
177.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)