

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: P415704

Luminaire Tested: **LXF.LXT-PA1-50-830-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415704
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-PA1-50-830-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 4915 lumens
Efficiency: N/A
Efficacy: 91.0 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 - G2

Input Watts (W): 54
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

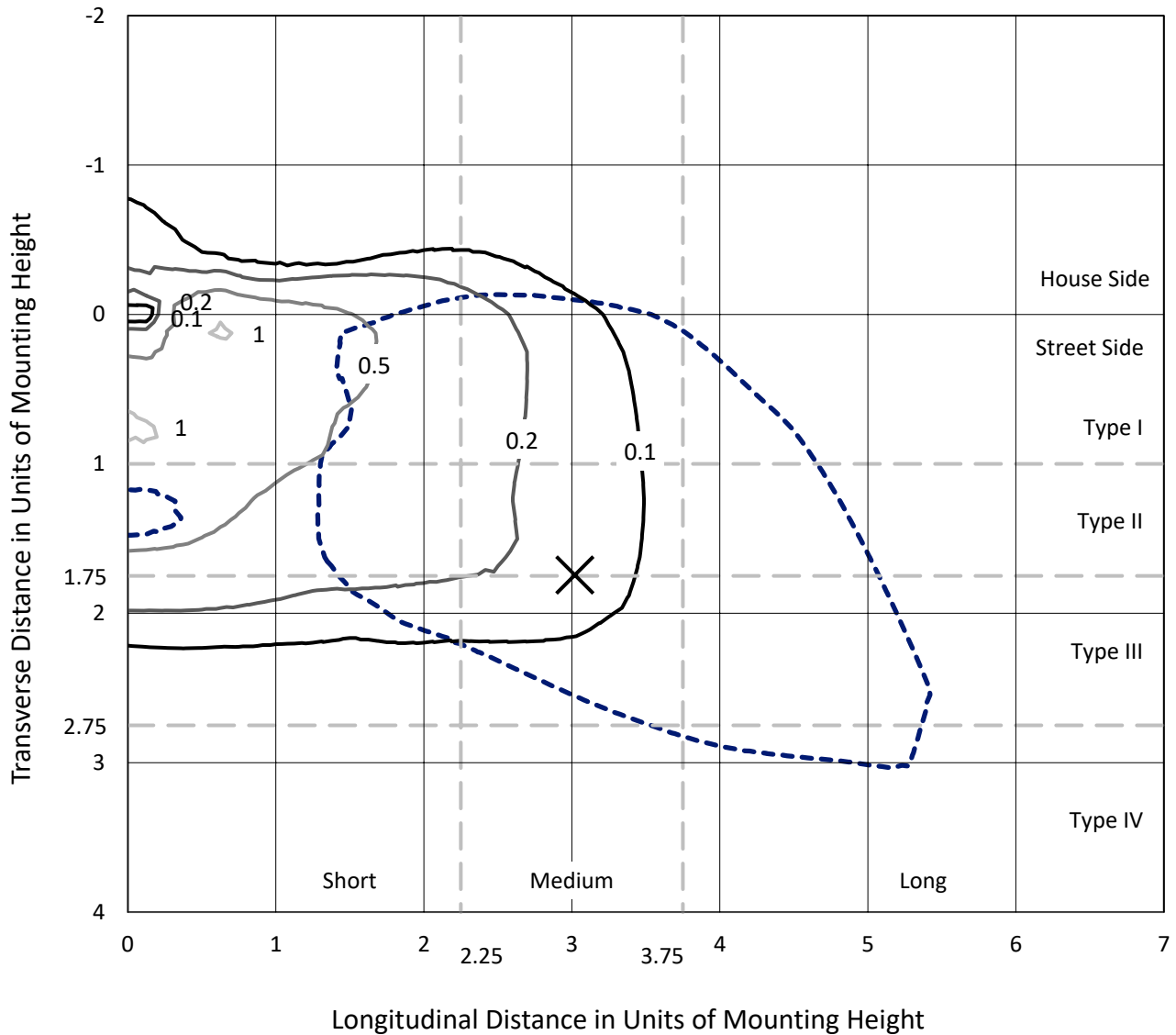


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Iso-Footcandle Lines of Horizontal Illumination

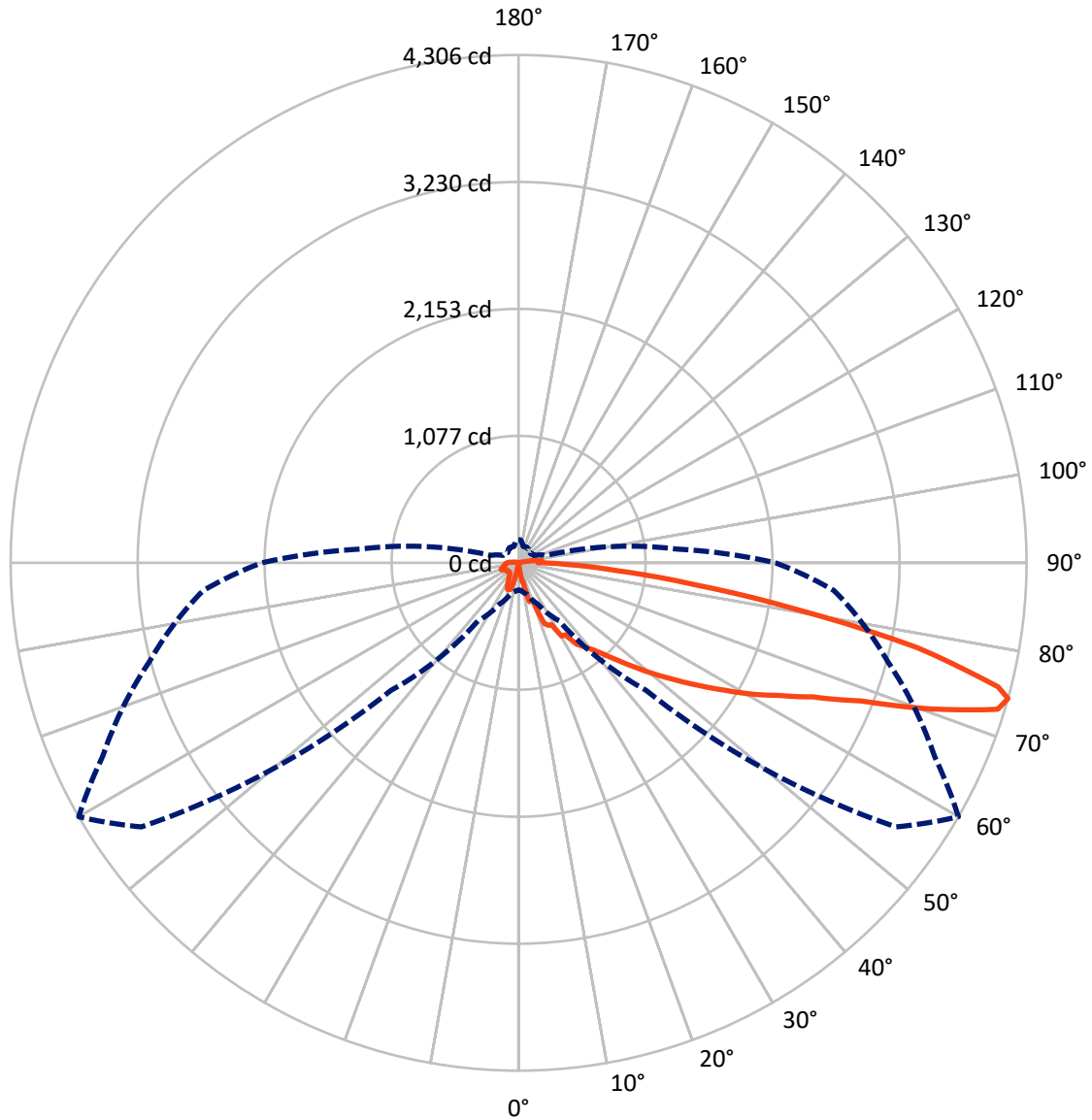
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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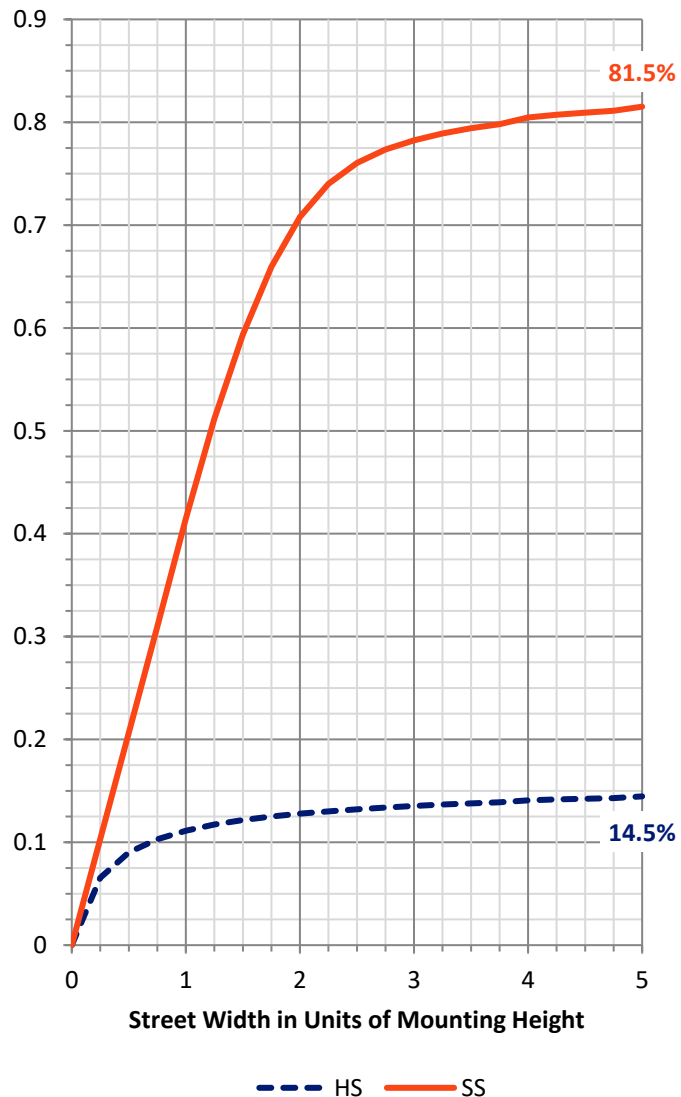
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.3	47.7	802.1
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	4061.7	51.2	4112.9
	% Fixture	82.6	1.0	83.7
Total	Lumens	4816.0	98.9	4915.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	62.8	1.3
20°-30°	190.1	3.9
30°-40°	380.4	7.7
40°-50°	652.7	13.3
50°-60°	994.9	20.2
60°-70°	1225.9	24.9
70°-80°	1024.8	20.9
80°-90°	279.1	5.7
90°-100°	72.1	1.5
100°-110°	12.9	0.3
110°-120°	4.8	0.1
120°-130°	3.6	0.1
130°-140°	2.5	0.1
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4816.0	98.0
0°-180°	4915.0	100.0

Coefficient of Utilization



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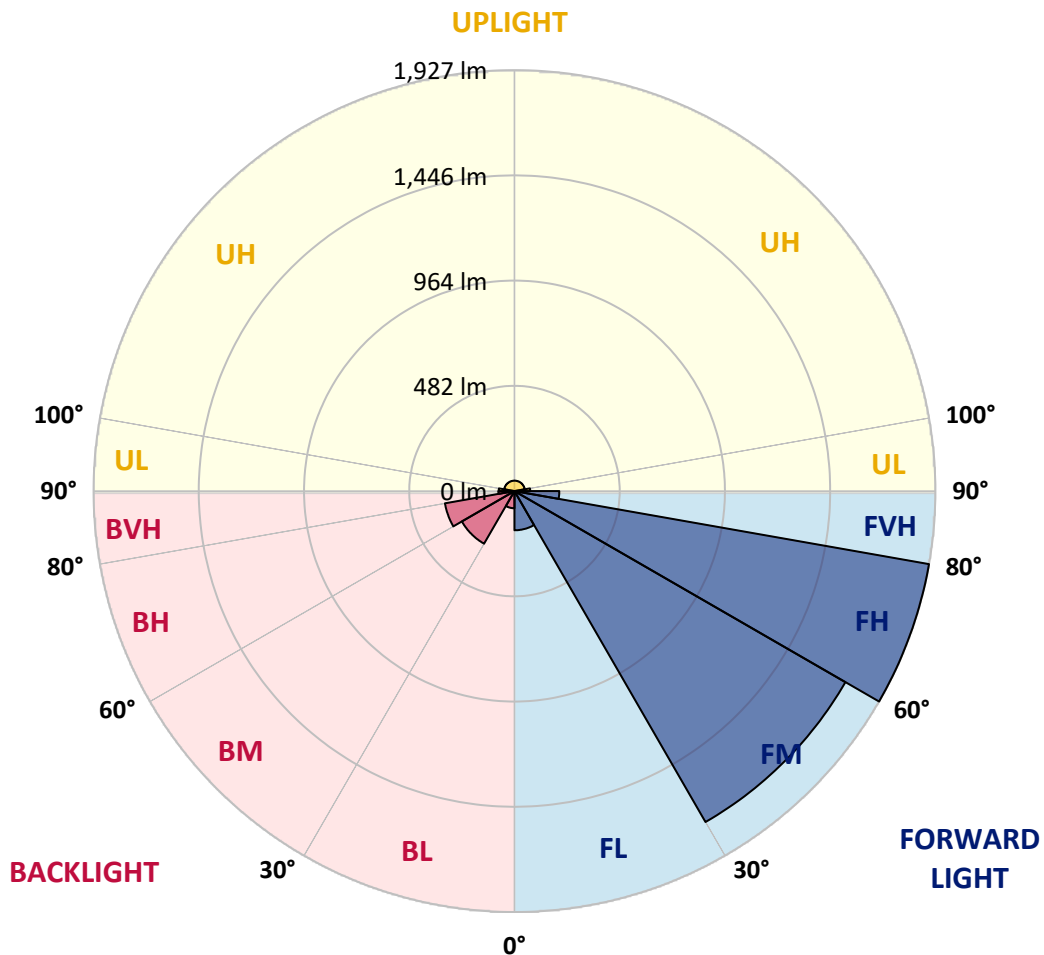
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.5	3.7			
FM (30°-60°)	1749.7	35.6			
FH (60°-80°)	1927.4	39.2			G2/5000
FVH (80°-90°)	205.2	4.2			G2/225
BL (0°-30°)	78.8	1.6	B0/110		
BM (30°-60°)	278.3	5.7	B1/1000		
BH (60°-80°)	323.3	6.6	B1/500		G1/500
BVH (80°-90°)	73.9	1.5			G1/100
UL (90°-100°)	72.1	1.5		U3/500	
UH (100°-180°)	47.7	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	6.2	5.6	5.0	5.6	6.2	5.6	4.5	3.9	3.4	3.4	3.4
5°	163.8	161.6	160.5	125.1	29.7	18.5	7.3	5.0	4.5	3.4	3.4
7.5°	166.1	163.8	164.4	163.8	161.0	161.0	52.2	19.1	10.7	3.9	3.9
10°	175.1	171.7	167.2	166.6	165.5	163.8	161.0	157.7	35.9	6.2	5.6
12.5°	323.2	321.5	319.2	246.3	178.4	166.1	164.4	160.5	123.4	23.6	108.8
15°	320.9	320.4	316.4	318.1	317.6	180.7	204.8	341.7	328.2	237.9	274.4
17.5°	336.6	335.0	323.2	315.9	316.4	360.8	335.0	337.2	338.3	300.7	294.0
20°	456.7	453.9	452.8	439.9	321.5	423.6	432.0	350.1	358.5	466.8	521.8
22.5°	462.3	458.4	453.9	450.5	507.2	421.9	456.7	557.7	532.5	617.7	582.4
25°	624.5	613.8	569.5	461.2	506.6	485.9	590.8	588.0	556.6	644.7	622.8
27.5°	676.1	668.8	636.2	611.6	516.7	581.8	587.4	593.6	700.2	889.3	828.7
30°	905.6	848.9	702.5	687.3	616.6	586.9	671.6	719.8	787.7	893.2	876.4
32.5°	1036.8	1009.4	938.7	830.4	722.1	641.9	728.3	728.3	791.7	1079.5	1108.1
35°	1249.5	1160.8	1022.8	949.3	823.6	768.1	750.7	845.5	935.9	1133.9	1132.2
37.5°	1326.4	1317.9	1266.3	1040.8	968.4	835.4	875.3	904.4	980.7	1212.5	1209.1
40°	1368.4	1387.0	1390.9	1238.3	1075.6	965.0	951.0	967.3	1040.8	1323.0	1280.4
42.5°	1510.9	1517.7	1538.4	1364.5	1236.0	1106.4	1067.1	1060.4	1111.5	1451.5	1374.6
45°	1741.0	1744.4	1729.2	1509.8	1366.8	1246.7	1202.9	1177.1	1222.0	1578.8	1494.1
47.5°	2004.7	2012.5	1939.6	1674.2	1485.7	1381.9	1358.3	1318.5	1347.1	1693.9	1642.8
50°	2214.5	2212.3	2082.1	1807.2	1605.8	1520.5	1513.2	1476.2	1479.5	1833.6	1803.3
52.5°	2268.9	2265.6	2154.5	1905.4	1715.2	1664.7	1697.8	1640.6	1610.8	1978.3	1969.9
55°	2187.0	2193.2	2141.0	1946.3	1784.7	1791.5	1877.3	1828.0	1787.6	2115.2	2128.7
57.5°	2068.6	2061.4	2069.2	1962.0	1839.2	1915.5	2091.1	2029.4	1990.7	2270.1	2285.2
60°	1849.3	1839.2	1940.7	1945.2	1889.7	2055.7	2318.3	2258.3	2203.9	2433.3	2417.1
62.5°	1515.4	1502.5	1686.0	1842.0	1947.5	2220.1	2542.7	2477.7	2424.9	2606.7	2575.9
65°	1008.8	1070.0	1284.8	1616.4	1926.1	2456.9	2839.6	2741.9	2646.0	2784.6	2779.0
67.5°	585.2	629.0	786.6	1149.6	1750.5	2659.5	3310.3	3125.1	2959.6	2986.0	2973.1
70°	363.0	376.5	444.9	663.2	1233.8	2592.7	3832.1	3712.6	3361.9	3210.4	3003.4
72.5°	281.7	290.6	329.9	433.1	750.1	2005.2	4080.1	4247.8	3768.1	3269.3	2854.1
74°	230.6	236.2	277.2	387.7	602.0	1528.9	3903.9	4306.2	3892.7	3240.7	2682.5
75°	182.3	188.0	234.0	372.0	572.3	1219.8	3643.0	4197.9	3896.6	3196.4	2475.4
77.5°	111.7	115.6	126.2	257.0	520.1	696.8	2688.1	3455.6	3453.4	2654.4	1775.2
80°	88.6	89.8	94.3	135.2	423.6	631.8	1702.3	2385.1	2367.7	1593.4	909.5
82.5°	61.2	65.6	74.6	87.5	225.5	618.9	1073.3	1481.8	1278.1	606.5	380.4
85°	41.0	44.3	56.7	65.1	120.6	658.7	770.3	833.7	629.0	300.2	250.8
87.5°	16.8	17.4	25.8	31.4	48.8	315.9	518.4	412.9	289.5	190.2	204.2
90°	9.0	9.0	6.7	7.3	18.0	67.9	169.4	164.4	136.3	156.5	191.9
92.5°	10.1	10.1	6.7	7.3	17.4	53.3	183.5	187.4	156.5	166.6	205.3
95°	11.2	11.2	6.7	6.7	16.8	36.5	176.2	198.1	161.0	175.1	207.0
97.5°	12.3	12.9	6.2	6.2	13.5	27.5	110.5	135.2	104.9	90.9	99.3
100°	12.9	12.9	5.6	5.6	9.0	19.6	51.1	65.1	50.5	23.6	16.3
102.5°	12.9	13.5	5.6	5.0	6.2	12.3	16.3	23.6	18.5	14.0	15.1
105°	12.3	13.5	5.6	5.0	5.0	6.7	8.4	9.5	10.1	10.1	15.7
107.5°	9.5	10.7	4.5	5.0	4.5	4.5	3.4	3.9	5.0	9.0	15.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.7	6.7	3.4	4.5	3.9	4.5	2.8	3.4	4.5	6.7	12.9
112.5°	3.4	2.8	2.2	3.4	3.4	3.9	2.8	2.8	3.9	5.6	9.0
115°	2.2	2.8	1.7	2.2	2.8	2.8	2.2	2.8	3.4	5.6	9.5
117.5°	2.2	2.2	1.7	2.2	2.8	2.2	2.2	2.8	3.4	5.6	9.5
120°	2.8	2.2	1.7	2.2	2.2	1.7	2.2	2.8	2.8	5.6	9.5
122.5°	2.8	2.8	2.2	2.2	2.2	1.7	2.2	2.2	2.8	5.6	9.0
125°	3.4	2.8	2.2	2.2	2.2	1.7	2.2	2.2	2.8	5.0	8.4
127.5°	3.4	3.4	2.2	2.2	2.8	1.7	2.2	2.2	2.8	4.5	7.9
130°	3.4	3.4	2.8	2.2	2.8	2.2	2.2	2.2	2.8	3.9	6.7
132.5°	3.4	3.4	2.8	2.8	2.8	2.2	2.2	2.2	2.2	3.4	5.6
135°	3.9	3.4	2.8	2.8	3.4	2.2	2.2	2.2	2.2	2.8	3.9
137.5°	3.9	3.9	3.4	3.4	3.9	2.8	2.2	2.8	2.8	2.8	3.4
140°	4.5	4.5	4.5	3.9	3.9	2.8	2.8	2.8	2.8	3.4	3.4
142.5°	5.6	5.0	5.0	4.5	3.9	2.8	2.8	2.8	3.4	3.4	3.4
145°	6.2	6.2	5.6	5.0	3.9	2.8	2.8	3.4	3.4	3.9	3.9
147.5°	6.2	6.2	5.6	4.5	3.4	2.2	2.8	3.4	3.4	3.9	4.5
150°	6.2	5.6	5.0	3.9	2.8	1.7	2.2	2.8	3.4	3.9	4.5
152.5°	4.5	4.5	3.9	2.8	2.2	1.1	1.7	2.2	2.8	3.4	3.9
155°	2.8	2.8	2.2	1.7	1.7	1.1	1.7	2.2	2.2	2.8	3.4
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	2.2	2.2
160°	0.6	0.6	1.1	0.6	1.1	1.1	1.1	1.7	1.7	1.7	1.7
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	3.4	3.4	3.4	2.8	2.8	1.7	2.2	2.2	2.8	3.4	3.9
5°	3.4	3.9	3.4	2.8	2.8	2.2	2.8	2.8	2.8	3.9	3.9
7.5°	3.9	3.9	3.4	3.4	2.8	2.2	3.9	121.2	139.1	143.6	144.8
10°	5.0	5.0	4.5	3.9	3.4	130.7	144.2	144.2	143.1	144.2	144.2
12.5°	111.7	120.1	19.1	9.5	107.7	135.8	132.4	130.2	127.9	125.7	124.6
15°	271.6	263.1	241.3	181.2	167.2	124.6	114.5	158.8	169.4	172.2	171.7
17.5°	286.7	273.2	240.1	251.9	221.1	159.3	143.6	142.5	136.3	136.3	136.9
20°	539.2	508.3	327.7	245.7	191.9	193.0	122.9	109.4	114.5	121.8	126.2
22.5°	553.8	513.4	383.2	319.8	172.8	156.0	120.1	106.0	143.1	157.7	158.8
25°	590.8	526.3	388.3	269.3	195.3	127.9	119.5	110.5	131.3	144.8	143.6
27.5°	800.1	709.7	493.2	248.0	154.3	120.6	112.8	106.0	130.7	152.6	152.0
30°	799.0	699.6	455.6	228.4	127.4	112.2	102.7	115.6	121.8	130.2	130.7
32.5°	1037.4	889.3	498.2	189.6	112.8	97.1	101.6	105.5	110.5	131.9	136.3
35°	1042.5	869.7	432.6	173.9	103.8	92.6	95.4	104.4	115.0	128.5	129.6
37.5°	1062.7	859.6	359.1	143.6	106.6	93.7	99.3	109.4	106.6	125.1	127.4
40°	1099.7	862.4	301.9	128.5	104.9	93.7	103.8	105.5	106.0	115.6	116.7
42.5°	1156.9	877.5	253.6	121.8	103.2	101.6	100.4	101.0	97.1	116.1	118.4
45°	1238.3	908.9	216.6	119.5	103.2	118.4	104.9	101.0	92.6	133.5	143.1
47.5°	1358.3	970.6	194.7	120.1	103.8	113.3	103.8	98.2	96.5	156.0	162.7
50°	1494.1	1041.3	180.1	122.3	103.8	111.7	102.1	101.0	107.2	158.2	159.9
52.5°	1640.0	1135.6	175.1	124.6	111.7	113.3	116.1	115.6	103.2	126.8	126.8
55°	1788.1	1233.2	176.7	127.4	117.8	116.1	124.0	109.4	88.6	94.3	93.1
57.5°	1927.8	1347.1	188.5	125.7	113.9	115.0	125.1	102.7	88.6	94.3	96.5
60°	2079.3	1470.6	221.1	121.2	112.2	111.7	123.4	108.3	88.6	108.3	108.8
62.5°	2263.9	1640.6	291.8	125.7	121.2	115.0	124.0	119.5	101.6	103.8	106.0
65°	2482.2	1816.2	359.1	143.1	127.9	115.6	122.3	125.7	115.0	111.1	110.5
67.5°	2642.1	1859.4	361.9	166.1	136.9	121.8	123.4	136.9	125.7	127.9	126.8
70°	2601.7	1741.5	313.6	175.6	142.5	126.8	126.8	141.9	132.4	152.0	152.6
72.5°	2404.2	1512.1	264.8	162.7	135.2	128.5	140.8	147.0	140.8	182.9	180.7
74°	2177.5	1339.3	243.5	148.1	132.4	127.9	144.8	147.0	145.3	195.3	193.6
75°	2003.6	1203.5	231.7	139.7	130.7	126.2	145.9	147.6	147.0	196.9	196.4
77.5°	1384.7	813.0	202.5	124.6	127.9	126.2	145.3	150.9	154.9	195.8	194.1
80°	710.3	444.9	168.9	117.8	126.8	129.6	143.6	145.9	152.0	185.2	183.5
82.5°	356.3	256.4	124.0	108.3	128.5	140.8	144.2	141.4	143.1	170.6	167.8
85°	229.5	177.3	82.5	90.9	130.7	152.6	143.6	131.9	134.1	148.7	147.6
87.5°	184.6	131.3	50.5	70.7	139.1	139.7	131.3	116.7	113.9	116.7	115.0
90°	170.6	121.8	42.6	66.8	134.7	116.7	107.2	95.4	85.3	85.8	82.5
92.5°	183.5	127.4	45.4	66.2	107.2	81.9	78.5	72.4	60.0	53.3	49.9
95°	180.7	122.3	46.0	56.1	78.5	46.6	55.5	51.1	37.0	28.1	26.4
97.5°	87.0	61.7	41.0	43.8	46.0	35.3	47.1	43.2	26.9	17.4	16.3
100°	16.3	23.0	36.5	41.5	36.5	27.5	37.0	33.1	14.6	9.0	8.4
102.5°	15.7	12.9	27.5	37.6	23.0	15.7	20.2	18.5	9.5	6.7	6.7
105°	16.3	12.9	12.9	25.8	14.0	7.3	6.2	9.0	6.7	6.7	7.3
107.5°	16.8	12.9	7.9	8.4	6.7	5.6	4.5	4.5	5.0	7.3	7.9



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	11.2	7.3	6.7	6.2	5.6	4.5	3.9	5.0	7.9	8.4
112.5°	9.5	9.0	6.7	5.6	5.0	5.0	3.9	3.4	5.0	8.4	9.0
115°	9.5	9.0	5.6	5.0	3.9	4.5	3.9	3.4	5.0	9.5	10.1
117.5°	10.1	8.4	5.6	4.5	3.4	3.4	3.4	3.4	5.6	9.5	10.1
120°	10.1	8.4	5.6	3.9	3.4	2.8	3.4	3.4	5.6	9.5	10.7
122.5°	9.5	8.4	5.0	3.9	3.4	2.8	2.8	2.8	5.0	9.5	10.1
125°	9.0	7.9	5.0	3.9	3.4	2.2	2.8	2.8	5.0	9.0	10.1
127.5°	8.4	7.3	5.0	3.9	2.8	2.2	2.8	2.8	5.0	8.4	9.5
130°	7.3	6.7	4.5	3.4	2.8	2.2	2.8	2.8	5.0	7.9	9.0
132.5°	6.2	5.6	3.9	3.4	2.8	2.2	2.8	2.2	3.9	7.3	7.9
135°	4.5	4.5	3.9	2.8	2.8	1.7	2.2	2.2	3.4	5.6	6.2
137.5°	3.9	3.9	3.4	2.8	2.8	1.7	2.2	1.7	2.8	4.5	5.0
140°	3.9	3.9	3.4	2.8	2.2	1.7	1.7	1.7	2.2	3.9	3.9
142.5°	3.9	3.9	3.4	2.8	2.2	1.7	1.7	1.7	2.2	3.4	3.9
145°	3.9	3.9	3.9	3.4	2.2	1.7	1.7	1.7	2.2	3.4	3.4
147.5°	4.5	4.5	3.9	2.8	2.2	1.1	1.1	1.7	2.2	3.4	3.4
150°	4.5	4.5	3.9	2.8	2.2	1.1	0.6	1.1	1.7	2.8	3.4
152.5°	3.9	3.9	3.4	2.8	1.7	1.1	0.6	1.1	1.7	2.8	2.8
155°	3.4	3.4	2.8	2.2	1.7	0.6	0.0	0.6	1.1	2.2	2.2
157.5°	2.2	2.8	2.2	1.7	1.1	0.6	0.0	0.6	0.6	1.7	1.7
160°	2.2	2.2	2.2	1.7	1.1	0.6	0.0	0.0	0.6	1.1	1.1
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)