

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: P415703

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415703
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-PA1-50-830-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 4785 lumens
Efficiency: N/A
Efficacy: 88.6 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

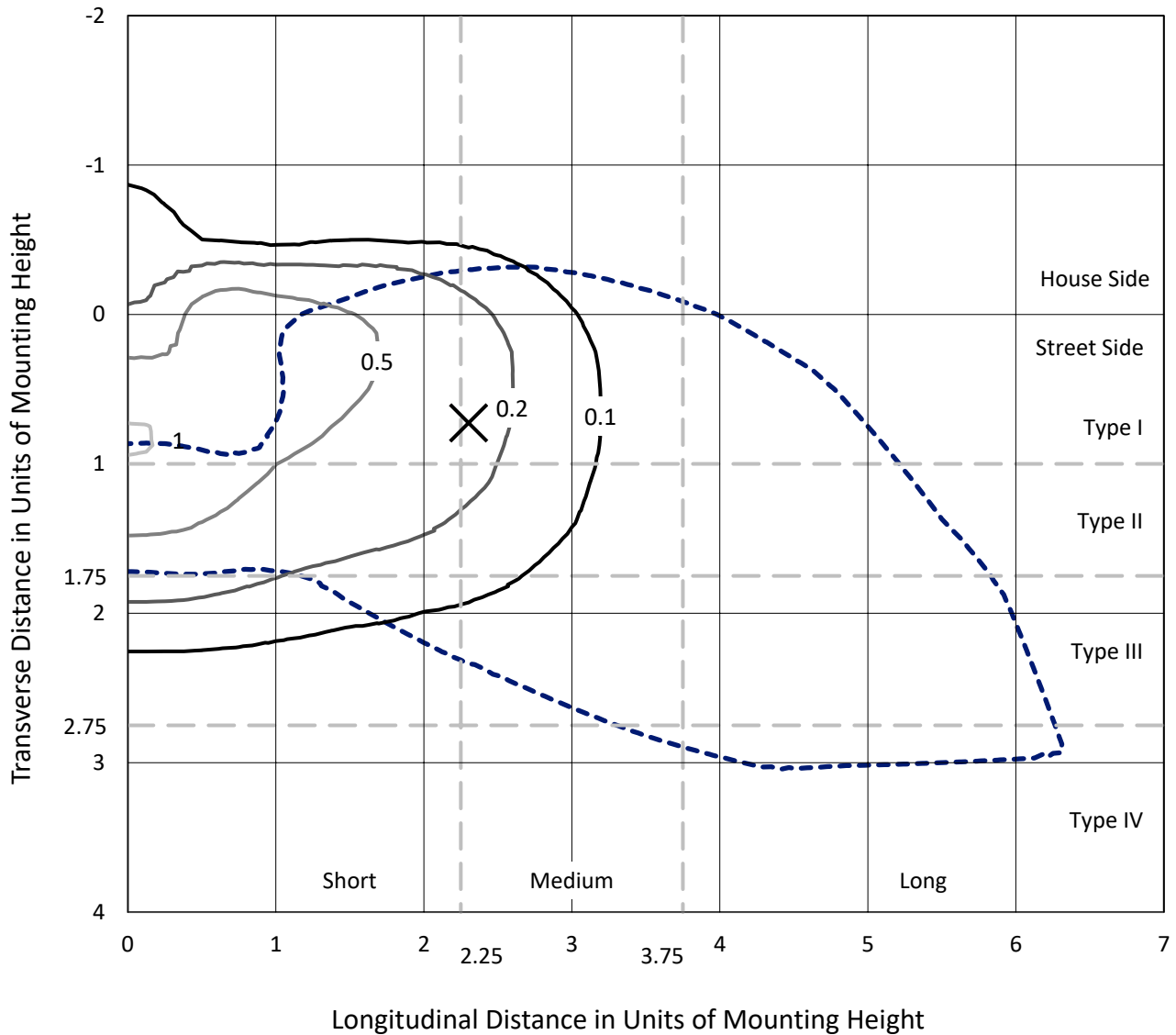
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

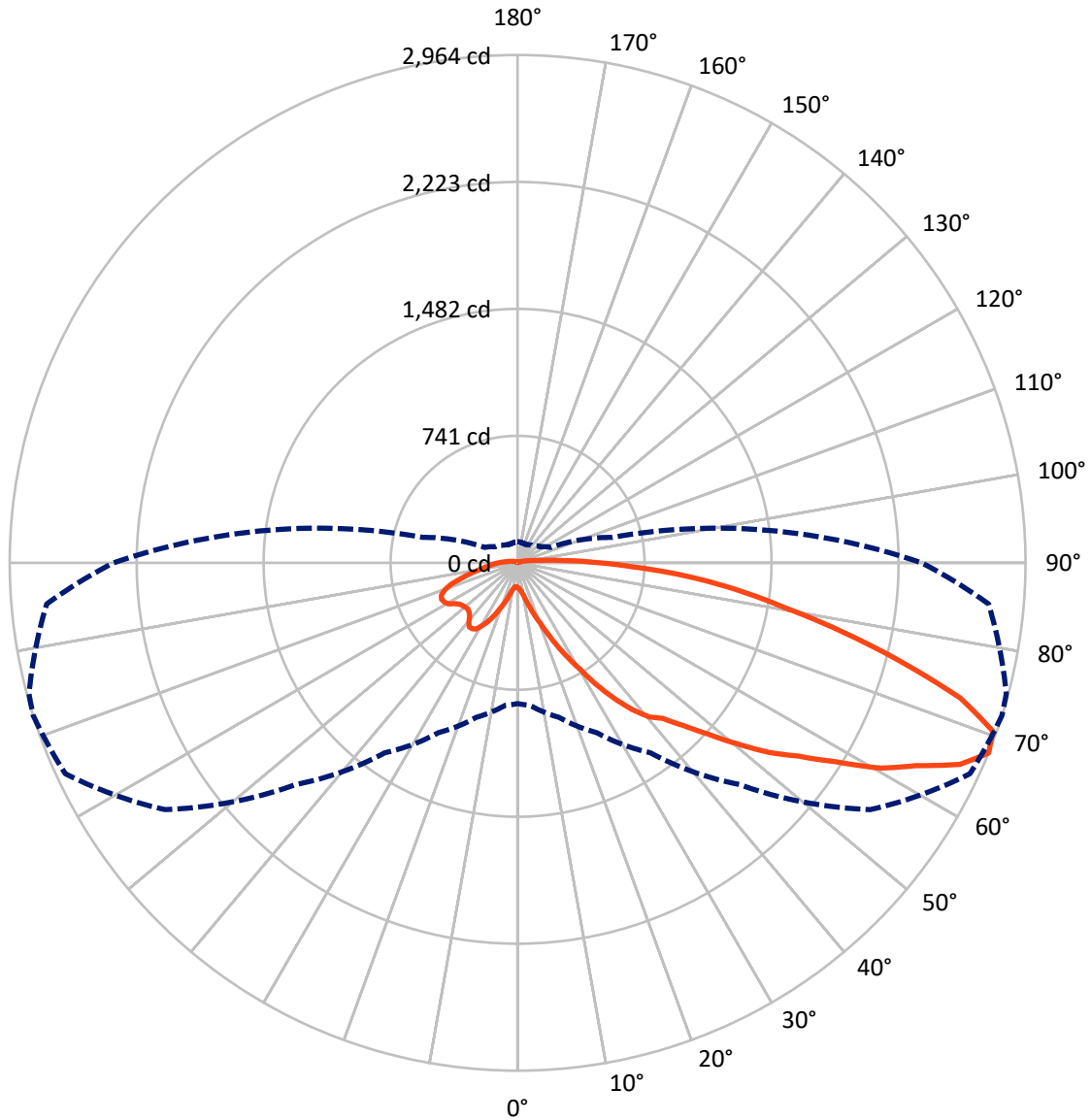
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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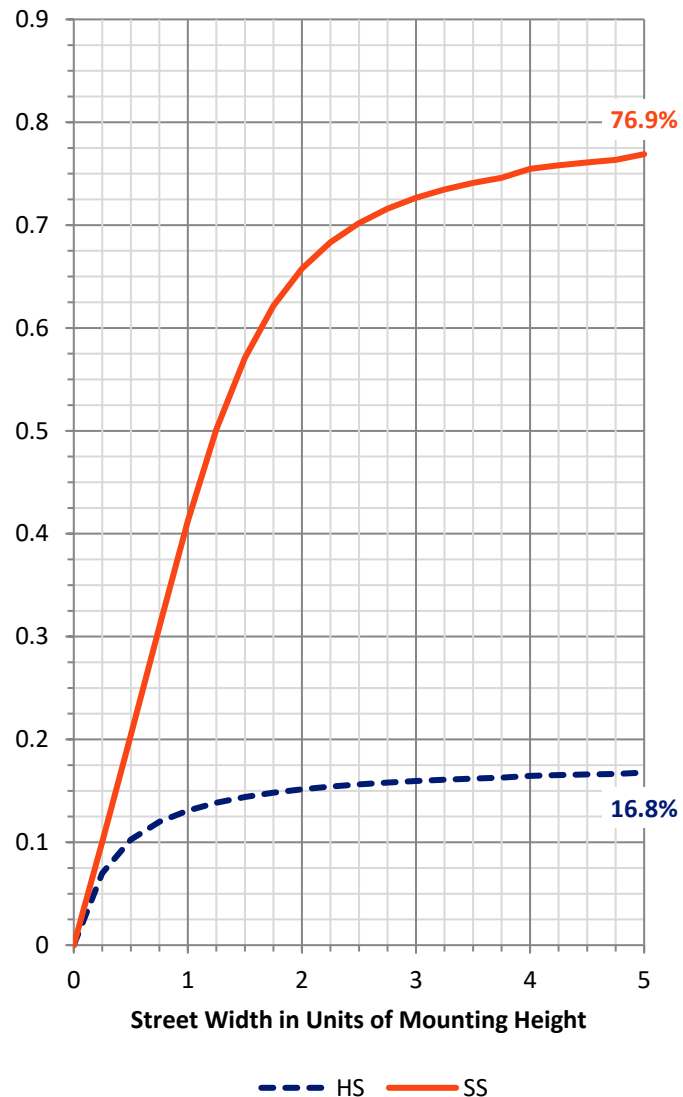
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.3	73.6	910.8
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	3770.1	104.1	3874.2
	% Fixture	78.8	2.2	81.0
Total	Lumens	4607.3	177.7	4785.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.3
10°-20°	64.6	1.3
20°-30°	178.9	3.7
30°-40°	384.8	8.0
40°-50°	651.3	13.6
50°-60°	955.6	20.0
60°-70°	1139.6	23.8
70°-80°	851.1	17.8
80°-90°	366.5	7.7
90°-100°	106.3	2.2
100°-110°	34.6	0.7
110°-120°	16.2	0.3
120°-130°	9.9	0.2
130°-140°	6.3	0.1
140°-150°	2.8	0.1
150°-160°	1.0	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4607.3	96.3
0°-180°	4785.0	100.0

Coefficient of Utilization



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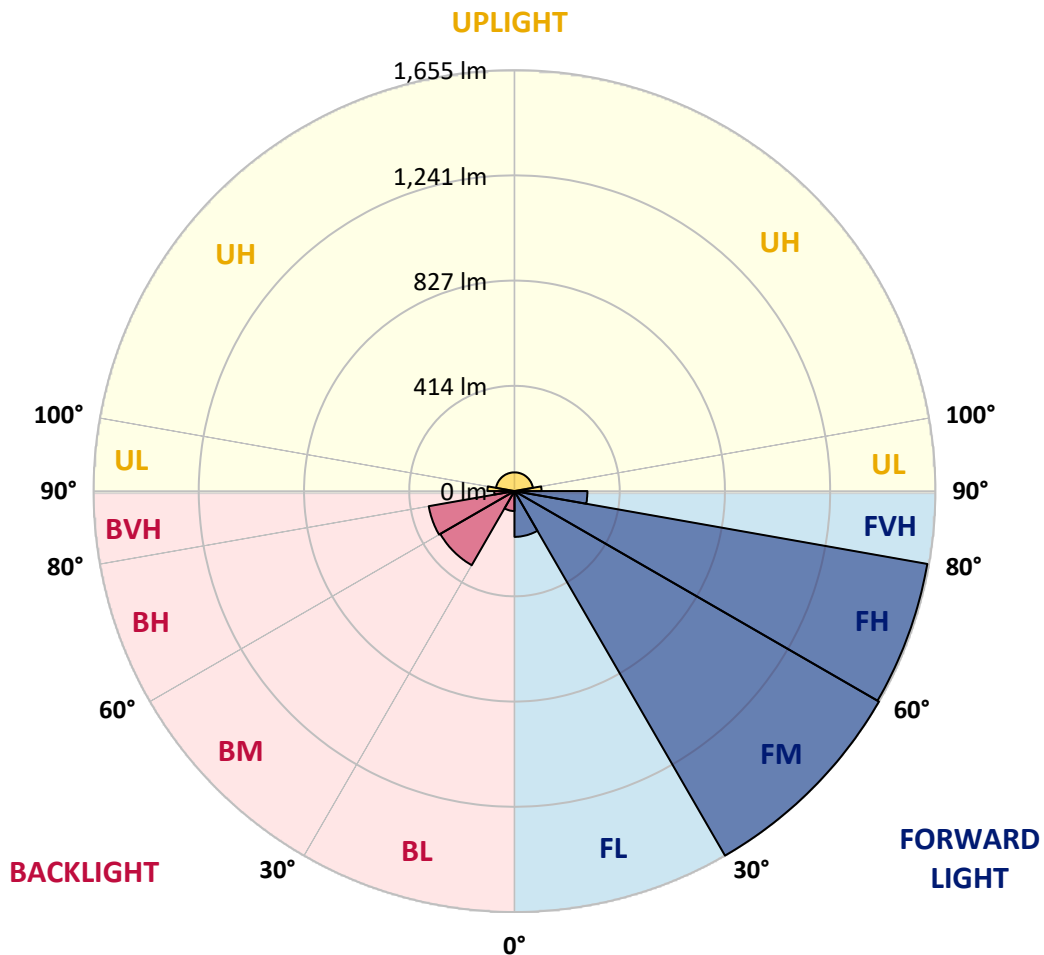
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.1	3.8			
FM (30°-60°)	1655.0	34.6			
FH (60°-80°)	1648.4	34.4			G1/1800
FVH (80°-90°)	286.7	6.0			G3/500
BL (0°-30°)	78.5	1.6	B0/110		
BM (30°-60°)	336.7	7.0	B1/1000		
BH (60°-80°)	342.3	7.2	B1/500		G1/500
BVH (80°-90°)	79.8	1.7			G1/100
UL (90°-100°)	106.3	2.2		U3/500	
UH (100°-180°)	73.6	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°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2.5°	157.1	158.2	159.3	158.8	158.2	156.5	153.7	150.9	148.1	148.1	145.9
5°	179.5	179.0	178.4	179.0	176.2	172.2	167.7	162.7	158.8	157.6	152.0
7.5°	205.3	204.2	205.3	202.0	198.0	193.0	186.3	179.5	172.8	171.7	162.7
10°	236.2	235.1	234.5	231.7	224.4	217.1	210.4	199.7	194.7	193.0	181.2
12.5°	274.9	274.3	271.0	265.4	255.8	248.5	239.0	233.4	228.3	224.4	212.6
15°	319.2	320.3	316.4	304.6	292.8	281.6	277.1	272.7	268.7	267.0	256.9
17.5°	381.5	379.2	370.3	352.3	333.2	324.3	320.3	317.5	321.5	320.3	304.6
20°	458.3	452.7	438.7	407.9	384.3	369.7	366.3	371.4	373.6	379.2	368.6
22.5°	548.7	541.4	517.8	483.0	448.8	421.3	418.0	433.1	447.1	448.8	444.3
25°	636.8	630.0	609.3	563.8	517.8	481.3	473.5	507.2	535.2	540.3	546.4
27.5°	727.1	723.7	693.4	644.0	593.6	547.5	546.4	582.9	626.7	638.4	649.1
30°	829.7	837.6	799.4	737.2	673.8	620.5	617.7	671.5	725.4	750.6	768.6
32.5°	974.5	967.7	920.1	850.5	756.2	694.0	697.9	760.7	851.6	872.9	896.5
35°	1140.5	1142.8	1077.7	969.4	858.4	781.5	778.7	866.2	971.7	989.6	1028.9
37.5°	1276.9	1288.1	1239.8	1115.3	972.8	873.5	877.4	975.6	1086.7	1122.6	1156.8
40°	1423.3	1433.4	1377.3	1256.1	1097.3	975.0	980.7	1076.0	1182.1	1211.2	1219.6
42.5°	1583.2	1593.3	1525.4	1381.8	1202.3	1097.3	1075.5	1148.4	1241.0	1277.4	1284.7
45°	1733.0	1750.4	1681.9	1513.1	1319.5	1207.3	1174.2	1233.1	1354.3	1387.9	1395.8
47.5°	1779.0	1799.7	1770.0	1632.0	1431.7	1302.1	1280.2	1362.1	1492.9	1542.8	1532.7
50°	1823.3	1842.4	1824.4	1702.1	1524.8	1412.1	1417.1	1512.5	1660.6	1724.6	1716.7
52.5°	1830.0	1849.7	1831.1	1745.3	1604.5	1523.2	1579.3	1692.0	1839.0	1885.6	1874.3
55°	1841.2	1854.1	1837.3	1740.3	1662.3	1641.5	1747.6	1876.0	1992.7	2048.3	2029.7
57.5°	1685.3	1690.3	1751.5	1725.7	1674.6	1772.8	1937.2	2053.3	2190.8	2273.8	2264.3
60°	1460.9	1471.5	1547.3	1606.7	1666.2	1866.5	2123.4	2299.0	2433.7	2488.1	2436.5
62.5°	1276.3	1288.1	1367.8	1444.0	1595.0	1908.0	2318.1	2519.0	2607.6	2657.0	2595.8
65°	1028.3	1037.3	1134.4	1284.2	1478.8	1891.7	2464.0	2747.8	2837.0	2856.7	2738.3
67.5°	821.9	835.3	934.1	1094.0	1354.3	1830.0	2511.7	2912.8	2964.4	2952.6	2759.1
70°	611.5	618.2	738.9	941.9	1206.7	1695.4	2466.2	2949.8	2942.0	2926.8	2661.4
72.5°	421.3	420.2	533.5	731.6	1053.0	1541.7	2254.7	2740.6	2703.5	2664.3	2328.2
75°	272.1	287.2	357.9	531.8	851.6	1319.5	1980.9	2379.8	2317.0	2254.7	1918.1
77.5°	183.5	194.1	251.3	380.9	650.8	1109.7	1704.9	2043.8	1938.9	1882.2	1548.4
80°	126.2	130.7	174.5	279.9	484.2	880.2	1396.4	1691.5	1577.0	1509.7	1201.7
82.5°	88.6	92.0	121.7	206.5	364.7	657.5	1114.7	1407.0	1287.0	1238.2	933.5
85°	64.0	66.2	87.5	153.7	277.1	493.7	848.3	1094.5	990.2	952.6	667.0
87.5°	47.7	49.9	66.2	113.9	213.2	375.3	632.8	783.7	671.5	622.7	421.3
90°	35.3	37.6	51.1	85.3	166.6	282.8	458.3	535.8	435.9	395.0	268.7
92.5°	26.4	28.1	38.1	62.3	127.4	216.6	323.1	338.9	258.1	235.1	169.4
95°	19.6	20.8	28.6	45.4	90.9	157.6	211.5	198.0	152.0	138.0	107.2
97.5°	16.3	16.8	22.4	34.8	64.0	110.5	135.8	121.7	98.2	91.4	74.1
100°	13.5	14.0	18.0	26.4	46.6	75.7	89.8	79.1	68.4	65.6	57.8
102.5°	11.8	12.3	15.1	21.9	34.8	54.4	62.3	56.7	50.5	48.2	44.9
105°	10.7	10.7	13.5	18.5	28.6	41.0	45.4	41.5	37.6	36.5	35.9
107.5°	9.5	9.5	11.8	16.3	23.6	32.0	34.2	30.9	27.5	26.9	28.6
110°	9.0	9.0	10.7	14.6	20.2	26.4	26.9	23.0	20.8	20.8	23.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	8.4	8.4	10.1	12.9	18.0	21.9	21.3	18.0	16.3	16.3	19.1
115°	8.4	8.4	9.5	12.3	15.7	18.5	17.4	14.6	13.5	13.5	16.3
117.5°	8.4	9.0	9.5	11.8	14.6	16.3	15.1	12.3	11.8	11.8	14.6
120°	9.0	9.0	9.5	11.8	13.5	14.0	12.9	10.7	10.1	10.7	13.5
122.5°	9.0	9.0	10.1	11.8	12.9	12.9	11.2	9.5	9.5	9.5	12.3
125°	9.5	9.5	10.1	11.8	12.3	11.8	10.1	9.0	9.0	9.5	11.2
127.5°	10.1	10.1	10.7	11.8	11.8	10.7	9.5	8.4	8.4	9.0	11.2
130°	11.2	11.2	11.2	11.8	10.7	9.5	8.4	7.9	8.4	9.0	11.2
132.5°	11.2	11.2	11.2	11.2	10.1	8.4	7.9	7.3	8.4	9.0	10.7
135°	10.1	10.1	10.1	10.1	9.0	7.3	6.7	6.7	7.9	8.4	10.1
137.5°	9.0	9.0	9.0	8.4	7.9	6.7	5.6	5.6	6.7	7.3	9.0
140°	7.9	7.9	7.3	7.3	6.7	5.6	5.0	5.0	5.6	6.2	7.3
142.5°	6.2	6.2	6.2	6.2	5.6	4.5	3.9	3.9	5.0	5.6	6.2
145°	5.0	5.0	5.0	5.0	4.5	3.9	3.4	3.4	3.9	4.5	5.0
147.5°	3.9	3.9	4.5	4.5	3.9	3.4	2.2	2.8	3.4	3.4	3.9
150°	3.4	3.4	3.4	3.9	2.8	2.2	1.7	2.2	2.8	2.8	3.4
152.5°	2.8	2.8	2.8	2.8	2.2	1.1	1.7	2.2	2.2	2.8	2.8
155°	1.7	1.7	2.2	2.2	1.7	1.1	1.7	1.7	2.2	2.2	2.8
157.5°	1.1	1.1	1.7	1.7	1.7	1.1	1.1	1.7	1.7	1.7	2.2
160°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
162.5°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
165°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
167.5°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
170°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
172.5°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
175°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
177.5°	0.0	0.6	1.1	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.7
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2.5°	144.2	143.1	140.8	138.6	136.3	134.1	133.5	132.4	131.8	131.3	131.8
5°	149.8	146.4	141.4	136.3	131.8	127.9	125.1	122.3	120.1	118.9	118.9
7.5°	159.9	154.3	145.9	137.4	129.6	122.9	118.4	114.4	111.6	110.5	110.0
10°	175.6	168.9	156.5	143.1	131.3	121.2	114.4	110.0	107.2	105.5	105.5
12.5°	203.1	195.2	175.6	154.8	135.8	121.7	112.8	108.3	105.5	104.9	105.5
15°	246.3	233.9	205.3	175.6	146.4	122.9	111.6	110.0	111.1	111.6	111.6
17.5°	296.8	279.9	243.5	198.6	158.2	127.9	116.1	115.0	116.7	118.4	119.5
20°	353.4	331.6	278.8	220.5	166.1	135.2	120.6	118.4	122.3	125.7	125.1
22.5°	425.2	398.9	323.7	237.3	171.7	136.9	122.3	120.1	126.8	130.7	131.8
25°	519.5	481.9	376.4	255.3	175.0	134.6	121.2	121.7	131.8	139.7	141.4
27.5°	622.2	567.7	425.2	269.8	175.0	129.0	119.5	126.2	140.3	150.4	151.5
30°	734.4	658.6	467.9	281.1	170.0	123.4	117.8	128.5	142.5	153.2	154.3
32.5°	853.9	752.9	512.2	285.0	162.7	118.9	116.1	126.8	138.6	148.1	150.4
35°	959.9	837.0	529.6	279.4	152.6	115.6	112.2	121.2	133.0	144.7	145.3
37.5°	1070.4	917.3	537.5	263.7	142.5	112.2	108.8	117.3	131.3	145.3	147.0
40°	1117.5	938.0	515.0	241.8	133.0	110.0	107.2	116.7	131.8	145.9	148.1
42.5°	1165.8	958.2	487.5	210.4	126.8	109.4	108.8	116.7	129.0	140.3	141.9
45°	1248.3	1003.1	475.2	189.1	123.4	111.1	110.5	115.0	124.0	134.1	137.4
47.5°	1366.1	1071.0	469.0	175.6	123.4	113.9	112.2	113.3	118.9	127.9	130.7
50°	1517.0	1165.2	476.9	168.3	126.2	117.8	114.4	112.8	115.0	124.5	127.9
52.5°	1643.8	1255.5	486.4	167.2	130.7	122.9	117.8	112.8	114.4	125.7	129.6
55°	1776.7	1341.4	497.1	170.0	136.3	126.8	120.1	113.9	115.0	125.7	130.2
57.5°	1969.7	1487.2	524.5	176.2	141.9	131.3	122.9	115.6	114.4	122.9	126.2
60°	2145.9	1626.4	565.5	187.9	148.7	135.8	125.7	116.7	113.9	119.5	121.7
62.5°	2252.5	1701.6	581.2	199.2	155.4	139.7	126.8	116.7	115.6	120.6	122.3
65°	2362.4	1773.4	587.4	208.1	159.3	141.9	126.8	117.8	117.8	121.2	121.7
67.5°	2358.5	1757.7	572.8	212.6	162.7	143.1	126.8	117.8	118.9	122.3	122.9
70°	2255.3	1667.3	536.3	212.1	162.1	141.4	124.5	117.3	121.7	125.7	126.2
72.5°	1952.3	1433.4	477.4	205.3	157.1	136.9	121.2	116.1	122.9	128.5	128.5
75°	1601.7	1167.5	394.4	192.4	150.9	131.3	116.1	112.2	120.6	128.5	128.5
77.5°	1261.7	913.9	319.8	175.6	141.9	124.5	110.0	105.5	115.0	122.3	121.7
80°	980.1	692.9	256.9	158.8	131.8	117.3	102.7	97.6	106.0	111.1	110.0
82.5°	751.8	533.5	212.1	143.1	121.7	108.8	95.4	90.9	98.7	102.1	101.0
85°	513.3	382.1	173.9	125.7	108.8	98.7	88.1	84.7	93.7	97.6	96.5
87.5°	338.9	262.6	145.3	110.5	95.9	88.6	79.7	78.5	88.6	92.6	92.0
90°	223.8	183.5	123.4	95.9	83.6	77.4	71.8	71.8	80.8	84.2	81.9
92.5°	147.5	130.2	97.6	81.3	71.2	67.3	64.0	63.4	71.2	72.4	70.7
95°	100.4	91.4	76.3	67.3	60.0	57.8	55.0	56.1	61.2	60.0	58.3
97.5°	71.8	69.6	61.7	55.0	49.9	49.4	48.2	48.8	51.6	49.4	48.2
100°	57.2	55.5	51.1	46.0	42.6	42.1	41.5	42.1	43.8	41.5	40.4
102.5°	46.0	46.0	42.6	38.7	35.9	36.5	36.5	36.5	37.0	33.7	33.7
105°	37.0	37.0	35.9	32.5	30.9	30.9	31.4	31.4	31.4	29.2	29.2
107.5°	29.7	30.9	30.3	27.5	26.4	26.9	26.9	26.4	26.4	25.2	25.2
110°	24.1	25.2	25.2	23.6	23.0	23.6	23.0	22.4	21.9	21.9	21.9



REPORT NUMBER: P415703

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	21.3	21.9	20.8	20.2	20.2	19.6	19.1	19.1	19.6	19.6
115°	17.4	18.5	19.1	18.0	18.0	18.0	16.8	16.3	16.3	17.4	17.4
117.5°	15.7	16.3	16.8	16.3	15.7	15.7	15.1	14.0	14.0	15.1	15.7
120°	14.0	14.6	15.1	14.6	14.0	13.5	12.9	12.3	12.3	14.0	14.0
122.5°	12.9	13.5	13.5	12.9	12.3	12.3	11.8	11.2	11.2	12.3	12.9
125°	12.3	12.3	12.3	11.8	11.2	10.7	10.1	10.1	10.1	11.2	11.2
127.5°	11.8	11.8	11.2	10.7	10.1	9.5	9.5	9.0	9.0	10.1	10.7
130°	11.8	11.8	10.7	10.1	9.5	8.4	8.4	7.9	8.4	9.5	9.5
132.5°	11.2	11.2	10.1	9.5	8.4	7.9	7.3	7.3	7.3	8.4	9.0
135°	10.7	10.1	9.0	8.4	7.3	6.7	6.7	6.7	6.7	7.9	7.9
137.5°	9.5	9.0	7.9	7.3	6.7	6.2	5.6	5.6	6.2	6.7	7.3
140°	7.9	7.9	6.7	6.2	5.6	5.0	5.0	5.0	5.6	6.2	6.2
142.5°	6.7	6.7	5.6	5.0	4.5	3.9	4.5	4.5	5.0	5.6	5.6
145°	5.6	5.0	5.0	3.9	3.9	3.4	3.4	3.9	4.5	5.0	5.0
147.5°	4.5	4.5	3.9	3.4	2.8	2.8	2.8	3.4	3.9	3.9	4.5
150°	3.9	3.9	3.4	3.4	2.2	1.7	2.2	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	2.8	2.2	1.1	1.7	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	2.2	1.7	0.6	1.7	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	1.1	0.6	1.1	1.7	1.7	1.7	2.2
160°	1.7	1.7	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.7
162.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.7	1.1	1.1	1.1
165°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	1.1	1.1
167.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6
170°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6
172.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6
175°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6
177.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)