

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: P415731

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5061 lumens
Efficiency: N/A
Efficacy: 93.7 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 - G2

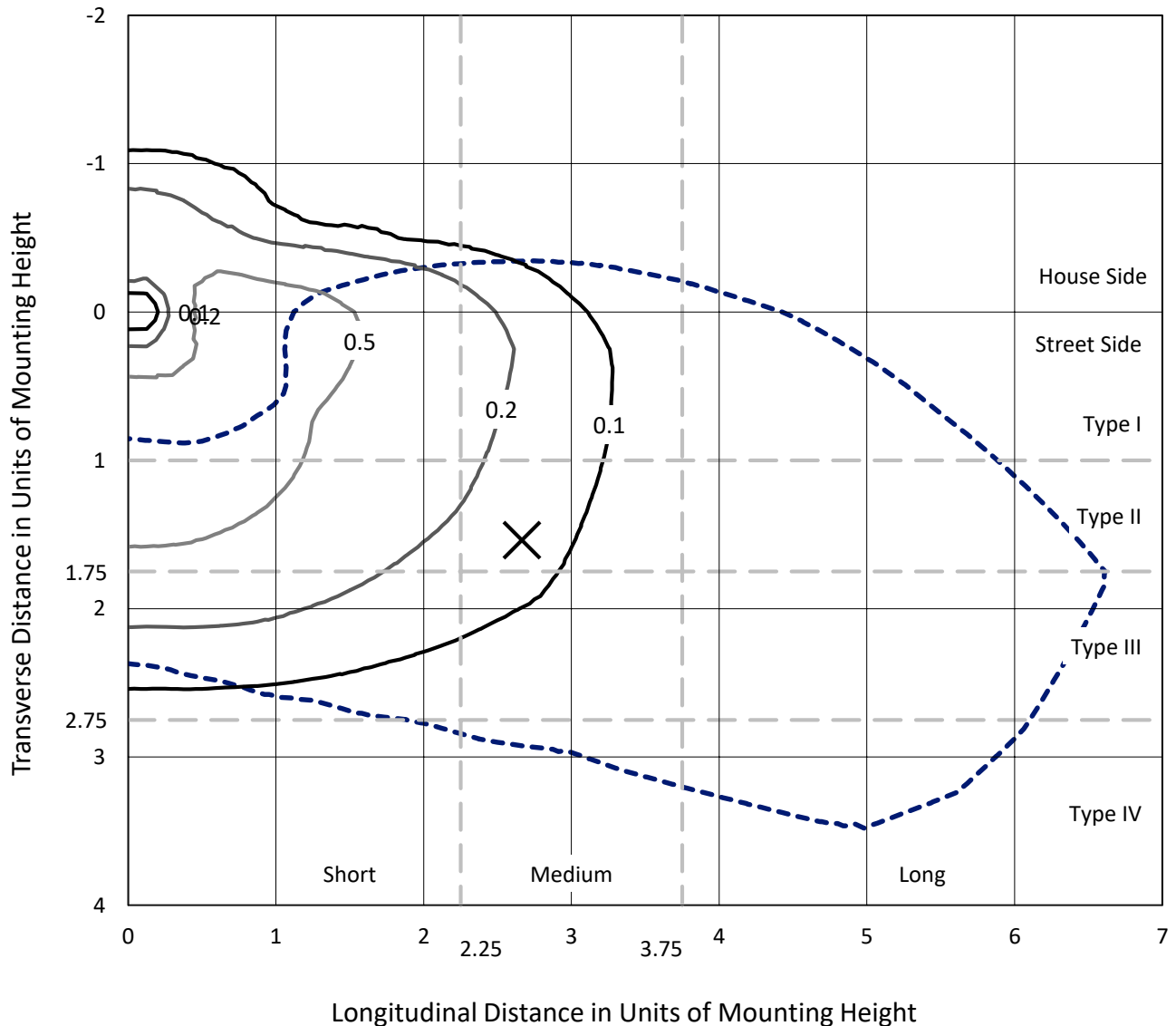
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

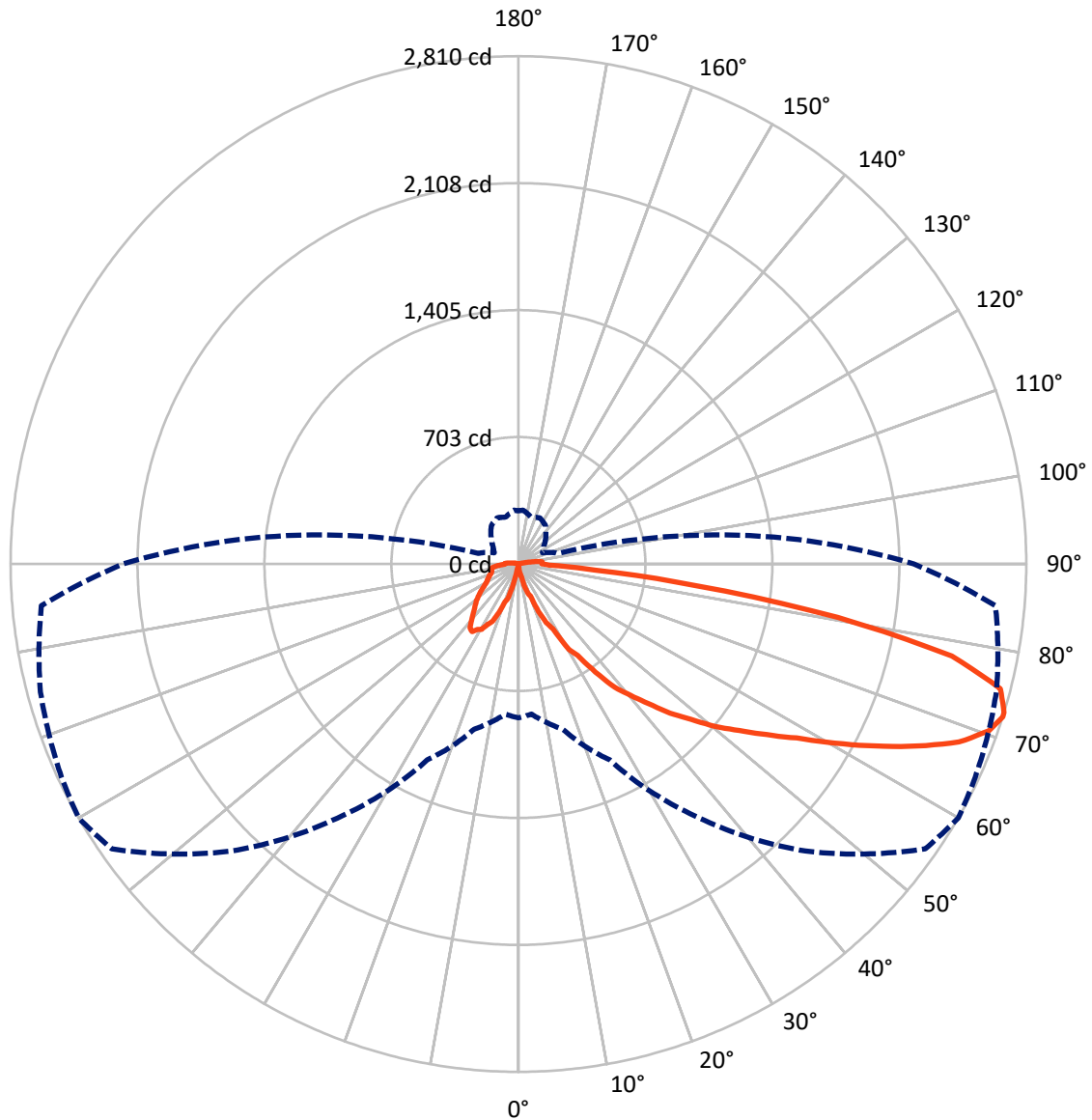
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1106.1	54.0	1160.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	3853.5	47.4	3900.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	4959.6	101.4	5061.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	41.4	0.8
20°-30°	172.6	3.4
30°-40°	398.6	7.9
40°-50°	699.9	13.8
50°-60°	1057.9	20.9
60°-70°	1304.3	25.8
70°-80°	1007.1	19.9
80°-90°	275.1	5.4
90°-100°	74.7	1.5
100°-110°	12.9	0.3
110°-120°	5.0	0.1
120°-130°	3.6	0.1
130°-140°	2.4	0.0
140°-150°	1.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4959.6	98.0
0°-180°	5061.0	100.0



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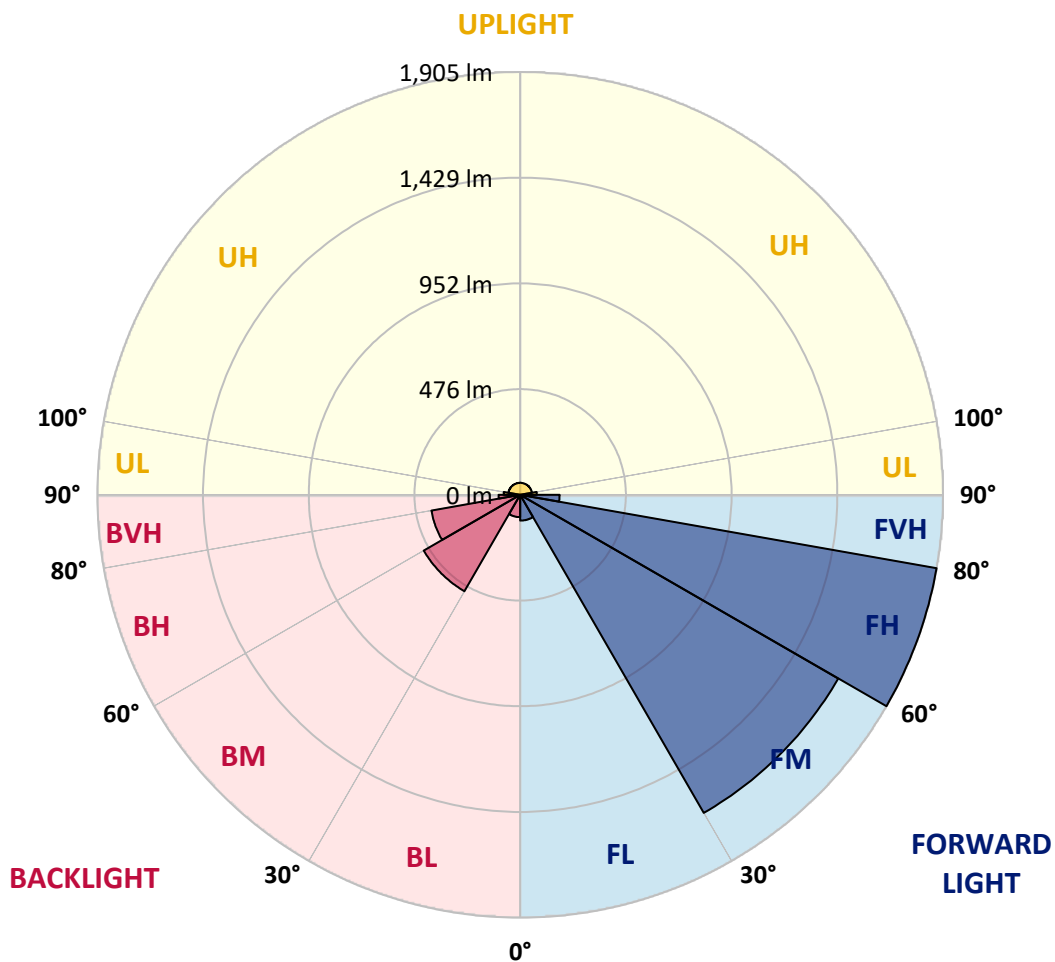
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.2	2.3			
FM	(30°-60°)	1654.7	32.7			
FH	(60°-80°)	1905.0	37.6			G2/5000
FVH	(80°-90°)	177.7	3.5			G2/225
BL	(0°-30°)	100.5	2.0	B0/110		
BM	(30°-60°)	501.7	9.9	B1/1000		
BH	(60°-80°)	406.4	8.0	B1/500		G1/500
BVH	(80°-90°)	97.5	1.9			G1/100
UL	(90°-100°)	74.7	1.5		U3/500	
UH	(100°-180°)	54.0	1.1		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	6.7	6.2	5.6	5.6	6.2	5.6	5.0	4.5	3.9	3.9	3.4
5°	62.8	61.2	60.6	48.8	22.4	17.4	7.9	6.2	5.0	3.9	3.4
7.5°	69.6	69.0	68.4	68.4	67.3	64.0	36.5	18.0	10.1	5.0	4.5
10°	79.7	78.5	75.2	73.5	71.8	70.7	65.6	62.3	28.1	8.4	7.3
12.5°	141.9	139.7	136.3	101.0	86.4	76.3	74.6	71.8	62.3	25.8	52.2
15°	152.6	152.0	149.8	148.1	143.6	95.4	115.6	131.8	149.2	121.7	135.8
17.5°	191.9	186.3	171.7	163.3	160.5	175.0	167.2	170.0	170.0	163.8	155.4
20°	286.7	282.8	275.5	242.9	182.9	225.5	221.0	187.9	193.6	239.6	278.3
22.5°	345.6	341.7	326.5	305.8	301.8	250.8	260.9	285.0	291.7	336.1	335.5
25°	469.0	461.7	429.2	368.0	375.9	323.7	364.1	358.5	341.1	370.3	380.4
27.5°	572.8	566.6	550.9	520.1	435.9	452.8	414.0	406.8	453.3	535.2	533.5
30°	687.3	653.6	611.5	602.0	539.7	513.3	523.4	547.6	565.0	572.8	592.5
32.5°	833.7	829.8	798.4	674.4	654.7	586.8	635.1	602.0	615.5	728.8	796.1
35°	935.3	945.3	889.8	815.7	722.6	720.9	700.7	733.8	798.4	814.1	860.6
37.5°	1172.0	1174.8	1124.9	913.4	852.8	794.4	857.3	866.2	884.2	911.1	950.4
40°	1350.4	1325.2	1263.5	1106.4	974.5	911.1	956.0	954.9	994.2	1043.5	1068.2
42.5°	1570.3	1542.3	1431.8	1253.9	1130.5	1060.4	1064.9	1055.3	1087.9	1165.8	1181.0
45°	1754.9	1742.6	1657.3	1469.9	1302.7	1218.6	1188.3	1176.5	1192.8	1290.9	1299.4
47.5°	1929.4	1896.3	1840.8	1651.1	1553.0	1399.8	1312.8	1284.8	1289.8	1401.5	1426.2
50°	2114.0	2058.4	1990.0	1823.4	1752.1	1627.6	1455.9	1412.1	1413.8	1517.0	1559.1
52.5°	2223.4	2135.3	2091.0	1953.0	1881.2	1818.9	1605.7	1530.0	1537.8	1635.4	1699.4
55°	2155.5	2129.1	2130.3	2047.8	1994.5	1921.6	1751.0	1666.3	1675.3	1789.7	1869.9
57.5°	2041.1	2061.3	2132.5	2129.1	2099.4	2028.2	1895.7	1816.6	1868.3	1964.2	2048.9
60°	1953.0	1976.0	2091.6	2151.0	2206.6	2154.4	2045.5	2011.3	2059.6	2143.2	2244.7
62.5°	1806.0	1824.5	1983.3	2140.4	2203.8	2262.1	2188.0	2218.9	2263.2	2333.9	2457.3
65°	1605.1	1600.6	1798.1	2042.7	2185.2	2322.1	2371.5	2428.2	2468.6	2544.3	2656.5
67.5°	1367.8	1390.3	1556.3	1832.4	2112.9	2352.4	2525.8	2629.6	2654.8	2684.0	2764.8
70°	1117.0	1115.9	1261.2	1554.6	1957.5	2335.6	2672.2	2762.0	2762.6	2745.2	2769.3
72°	851.7	833.7	945.9	1196.1	1699.9	2245.3	2747.4	2810.2	2789.5	2737.9	2649.8
72.5°	731.0	747.3	852.8	1126.6	1584.4	2200.4	2755.3	2809.7	2787.2	2730.6	2613.9
75°	370.8	347.3	407.3	603.7	1092.9	1777.9	2698.6	2754.7	2691.9	2621.2	2291.8
77.5°	145.3	149.2	172.8	260.9	531.9	1170.9	2329.4	2451.7	2411.3	2361.4	1807.7
80°	102.1	102.1	115.6	148.7	272.7	475.8	1614.1	1792.0	1854.2	1878.9	1209.0
82.5°	74.1	75.2	88.1	103.8	194.7	228.3	792.7	995.8	1094.0	1186.0	676.1
85°	69.0	69.0	70.7	69.6	139.1	162.7	288.4	425.3	491.5	576.2	273.2
87.5°	32.5	35.3	52.2	41.5	68.4	100.4	157.1	170.6	174.5	198.0	196.4
90°	21.3	21.3	17.4	18.0	33.7	81.4	126.2	129.0	124.0	145.3	182.9
92.5°	21.9	22.4	16.3	16.8	26.4	74.6	129.6	131.8	127.9	152.6	194.1
95°	20.2	20.2	14.0	14.6	20.8	57.2	129.6	131.8	120.6	152.0	194.1
97.5°	16.8	17.4	11.2	11.8	16.3	28.1	89.8	96.5	76.9	77.4	94.8
100°	14.6	14.6	9.0	9.5	11.8	12.9	45.4	47.7	42.6	19.1	12.9
102.5°	14.6	14.6	7.9	7.9	7.9	7.3	14.0	23.6	19.6	11.2	12.3
105°	14.0	14.6	7.3	6.2	6.2	5.6	7.3	9.0	9.0	9.0	12.9
107.5°	11.2	11.8	5.6	5.6	5.0	5.0	3.9	3.9	5.6	8.4	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.0	9.0	4.5	5.0	3.9	4.5	3.4	3.4	5.0	6.2	10.7
112.5°	5.0	5.0	3.4	3.9	3.4	3.9	3.4	3.4	3.9	5.0	6.7
115°	4.5	4.5	2.8	2.8	2.8	2.8	2.8	2.8	3.4	4.5	7.3
117.5°	4.5	4.5	2.8	2.8	2.8	2.2	2.2	2.8	2.8	4.5	7.3
120°	4.5	4.5	2.8	2.8	2.2	2.2	2.2	2.8	2.8	4.5	7.3
122.5°	5.0	4.5	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.9	7.3
125°	5.0	4.5	3.4	2.2	2.2	2.2	2.2	2.2	2.8	3.9	6.2
127.5°	5.0	5.0	3.4	2.2	2.2	2.2	2.2	2.2	2.2	3.4	5.6
130°	5.0	4.5	3.4	2.2	2.2	2.2	2.2	2.2	2.2	3.4	5.0
132.5°	4.5	4.5	3.4	2.2	2.8	2.2	2.2	2.2	2.2	2.8	3.9
135°	3.9	3.9	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.2	3.4
137.5°	3.9	3.9	3.4	2.8	2.8	2.8	2.2	2.2	2.2	2.2	2.8
140°	3.9	3.9	3.4	3.4	3.4	2.8	2.2	2.2	2.2	2.8	2.8
142.5°	4.5	4.5	3.9	3.4	3.4	2.8	2.2	2.2	2.8	2.8	2.8
145°	5.0	5.0	4.5	3.9	3.4	2.2	2.2	2.8	2.8	2.8	3.4
147.5°	5.0	5.0	4.5	3.4	2.8	2.2	2.2	2.8	2.8	3.4	3.4
150°	4.5	4.5	3.9	2.8	2.2	1.7	2.2	2.2	2.8	3.4	3.4
152.5°	3.4	3.4	2.8	2.2	1.7	1.1	1.7	2.2	2.2	2.8	3.4
155°	2.2	2.2	1.7	1.1	1.1	1.1	1.7	1.7	1.7	2.2	2.8
157.5°	1.1	1.1	0.6	0.6	1.1	1.1	1.1	1.7	1.7	1.7	2.2
160°	0.6	0.6	0.6	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.9	3.9	3.9	4.5	5.0
5°	3.4	3.4	3.4	3.4	3.9	4.5	5.0	5.6	6.2	6.7	6.7
7.5°	3.9	3.9	3.9	4.5	5.0	6.2	14.0	49.4	67.3	73.5	71.8
10°	7.3	7.3	6.7	6.7	7.9	65.6	83.6	90.9	94.8	99.3	99.3
12.5°	58.3	67.3	24.1	13.5	65.1	92.0	98.7	103.8	107.2	111.6	111.6
15°	140.8	143.1	147.0	132.4	127.9	104.4	108.8	147.6	194.1	206.5	207.6
17.5°	158.2	161.0	163.8	194.1	206.5	159.9	184.0	207.0	211.5	216.0	216.0
20°	301.8	306.3	248.5	222.7	217.7	271.0	208.1	213.8	221.6	261.4	265.4
22.5°	342.2	345.0	323.2	337.2	246.9	283.3	273.8	273.8	306.3	308.6	309.1
25°	383.8	399.5	357.9	346.7	351.2	286.7	323.2	291.7	296.2	299.6	300.2
27.5°	559.9	557.7	524.0	396.7	352.3	347.3	313.6	287.8	336.6	349.5	350.1
30°	595.3	589.7	559.4	464.5	365.8	343.9	295.7	332.7	323.7	325.4	326.0
32.5°	818.6	809.6	723.7	470.1	382.1	317.5	320.9	309.7	310.8	345.6	346.7
35°	874.7	862.3	741.7	543.6	364.1	322.0	296.8	310.8	316.4	314.7	314.7
37.5°	949.8	926.3	736.1	511.1	378.7	301.3	283.9	293.4	290.1	311.4	310.3
40°	1031.7	998.6	738.9	474.1	343.4	282.8	272.1	280.5	278.3	272.1	267.6
42.5°	1136.1	1078.9	738.3	443.2	310.8	276.6	257.0	256.4	246.9	236.8	233.4
45°	1242.7	1163.6	740.6	407.9	286.1	271.5	248.5	235.1	226.7	216.0	213.2
47.5°	1359.4	1253.9	747.3	379.8	267.1	256.4	237.9	221.6	215.4	202.0	200.9
50°	1497.4	1348.7	749.5	357.4	244.6	242.9	230.0	212.1	202.5	189.1	187.9
52.5°	1646.1	1449.2	753.5	324.3	227.2	237.9	234.5	209.8	205.9	188.5	187.4
55°	1786.9	1544.5	752.4	284.4	219.4	233.4	234.5	224.4	218.2	189.6	187.4
57.5°	1956.3	1647.8	735.5	247.4	207.0	226.7	245.7	237.3	230.6	207.0	202.5
60°	2107.8	1754.4	685.6	218.8	196.4	219.4	255.3	246.9	227.8	212.6	208.1
62.5°	2285.1	1846.4	616.0	198.0	192.4	221.6	258.6	253.0	229.5	224.4	222.7
65°	2405.2	1881.2	510.5	181.2	191.9	221.6	257.5	258.6	241.8	246.9	246.3
67.5°	2419.8	1836.3	387.1	168.3	185.1	221.6	255.8	269.9	253.0	273.8	274.9
70°	2349.6	1724.1	282.2	155.4	177.8	218.8	256.4	277.2	261.4	294.0	291.7
72°	2188.0	1554.1	228.3	147.0	171.7	214.3	260.3	281.1	268.7	299.0	294.0
72.5°	2146.0	1501.9	218.2	145.9	170.6	213.8	261.4	282.2	269.3	304.1	297.9
75°	1795.9	1196.1	187.4	137.5	172.2	211.0	267.1	281.6	272.7	307.4	308.6
77.5°	1360.5	806.2	166.1	130.2	171.7	205.9	265.4	277.2	267.6	295.7	301.8
80°	842.1	469.0	147.6	129.6	170.6	203.7	258.1	265.4	253.6	276.0	277.7
82.5°	460.6	274.3	127.9	127.4	165.5	197.5	244.1	251.9	240.7	265.4	248.0
85°	235.6	186.3	95.9	104.4	144.7	185.7	227.8	227.2	216.0	225.0	212.6
87.5°	181.8	146.4	62.3	75.2	118.4	153.2	187.4	185.7	171.1	172.2	167.2
90°	167.2	130.7	41.0	53.3	98.7	110.0	130.2	125.1	115.0	117.3	115.6
92.5°	168.3	129.0	39.3	56.7	94.8	98.7	119.5	113.3	103.2	104.4	101.0
95°	164.4	124.0	39.3	49.9	78.5	70.1	85.8	83.6	75.2	71.3	69.6
97.5°	78.5	61.7	36.5	37.0	44.3	38.2	52.2	56.1	44.9	35.9	35.9
100°	13.5	20.8	32.0	37.6	32.0	24.1	33.1	38.2	25.8	11.8	12.9
102.5°	13.5	12.9	24.7	32.0	23.0	12.9	19.1	25.2	16.3	9.0	9.5
105°	14.6	13.5	11.8	21.9	13.5	6.7	7.3	12.9	9.0	9.0	9.0
107.5°	15.7	14.6	8.4	8.4	6.7	6.2	5.6	5.0	6.2	9.0	9.5



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.8	11.8	7.9	6.7	6.2	6.2	4.5	4.5	6.2	9.5	9.5
112.5°	8.4	8.4	6.7	5.6	5.0	6.2	4.5	4.5	5.6	9.5	10.1
115°	8.4	8.4	6.2	5.0	4.5	5.0	4.5	3.9	5.6	9.5	10.1
117.5°	8.4	8.4	6.2	4.5	3.9	3.9	3.4	3.9	5.6	9.5	10.1
120°	8.4	8.4	6.2	4.5	3.9	3.4	3.4	3.4	5.6	9.5	10.1
122.5°	7.9	7.9	5.6	3.9	3.4	2.8	2.8	3.4	5.0	9.0	9.5
125°	7.3	7.3	5.0	3.9	3.4	2.8	2.8	2.8	5.0	8.4	9.0
127.5°	6.7	6.7	5.0	3.4	2.8	2.8	2.8	2.8	4.5	7.9	8.4
130°	5.6	5.6	4.5	3.4	2.8	2.2	2.8	2.8	4.5	7.3	7.3
132.5°	4.5	4.5	3.4	2.8	2.8	2.2	2.2	2.8	3.9	6.2	6.7
135°	3.4	3.4	3.4	2.8	2.8	2.2	2.2	2.2	3.4	5.0	5.6
137.5°	2.8	3.4	2.8	2.8	2.8	2.2	2.2	2.2	3.4	4.5	4.5
140°	2.8	2.8	2.8	2.8	2.8	2.2	2.2	2.2	3.4	3.9	4.5
142.5°	2.8	3.4	2.8	2.8	2.8	2.2	2.2	2.8	3.4	4.5	4.5
145°	3.4	3.4	3.4	2.8	2.8	1.7	1.7	2.8	3.4	4.5	4.5
147.5°	3.4	3.4	3.4	2.8	2.2	1.7	1.7	2.2	3.4	4.5	4.5
150°	3.4	3.4	3.4	2.8	2.2	1.1	1.1	2.2	2.8	3.9	4.5
152.5°	3.4	3.4	2.8	2.8	1.7	1.1	0.6	1.7	2.2	3.4	3.4
155°	2.8	2.8	2.8	2.2	1.7	0.6	0.0	0.6	1.7	2.8	2.8
157.5°	2.2	2.2	2.2	1.7	1.1	0.6	0.0	0.6	0.6	1.7	1.7
160°	1.7	1.7	1.7	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)