

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: P415418

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5137 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - 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

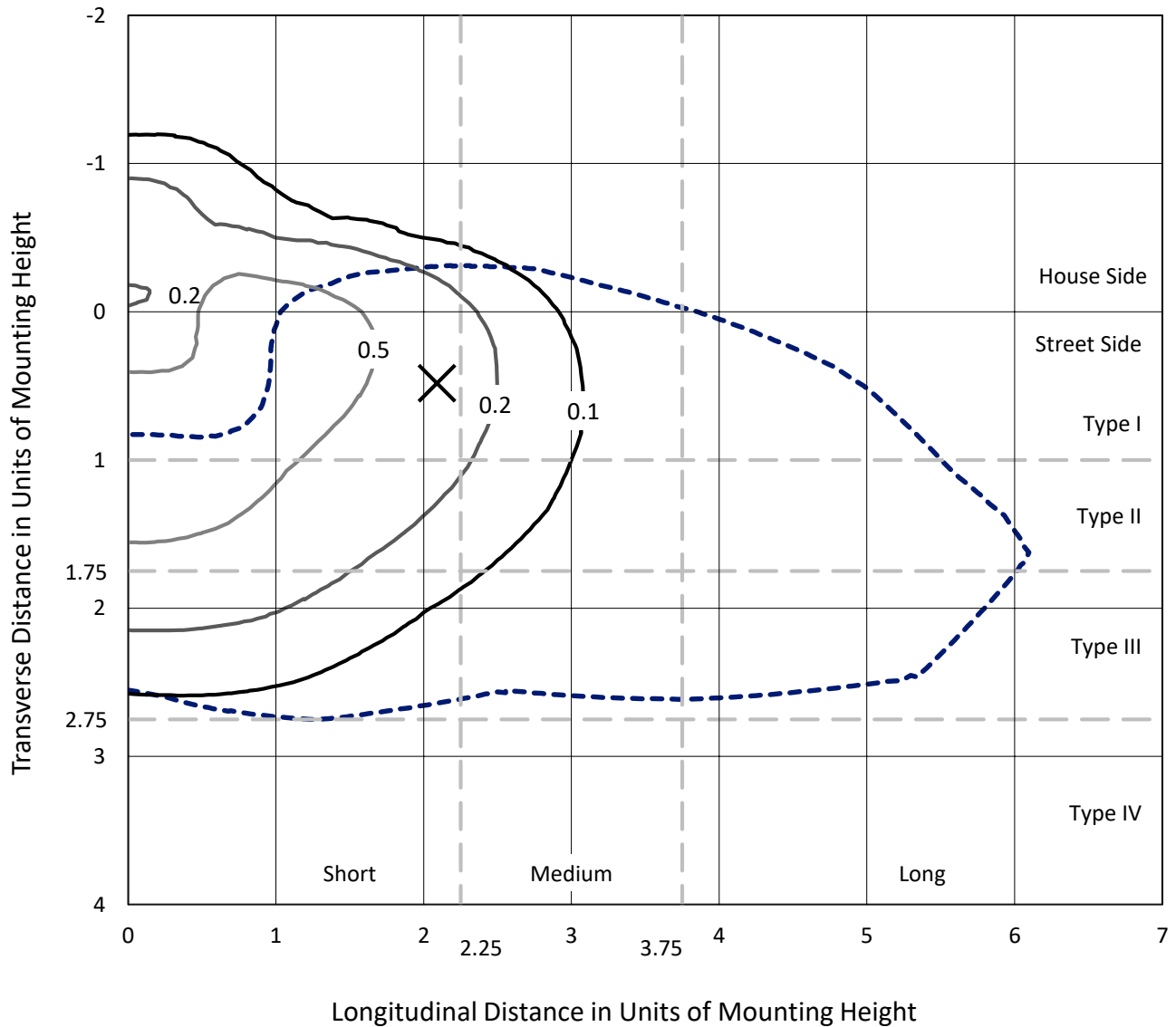


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Iso-Footcandle Lines of Horizontal Illumination

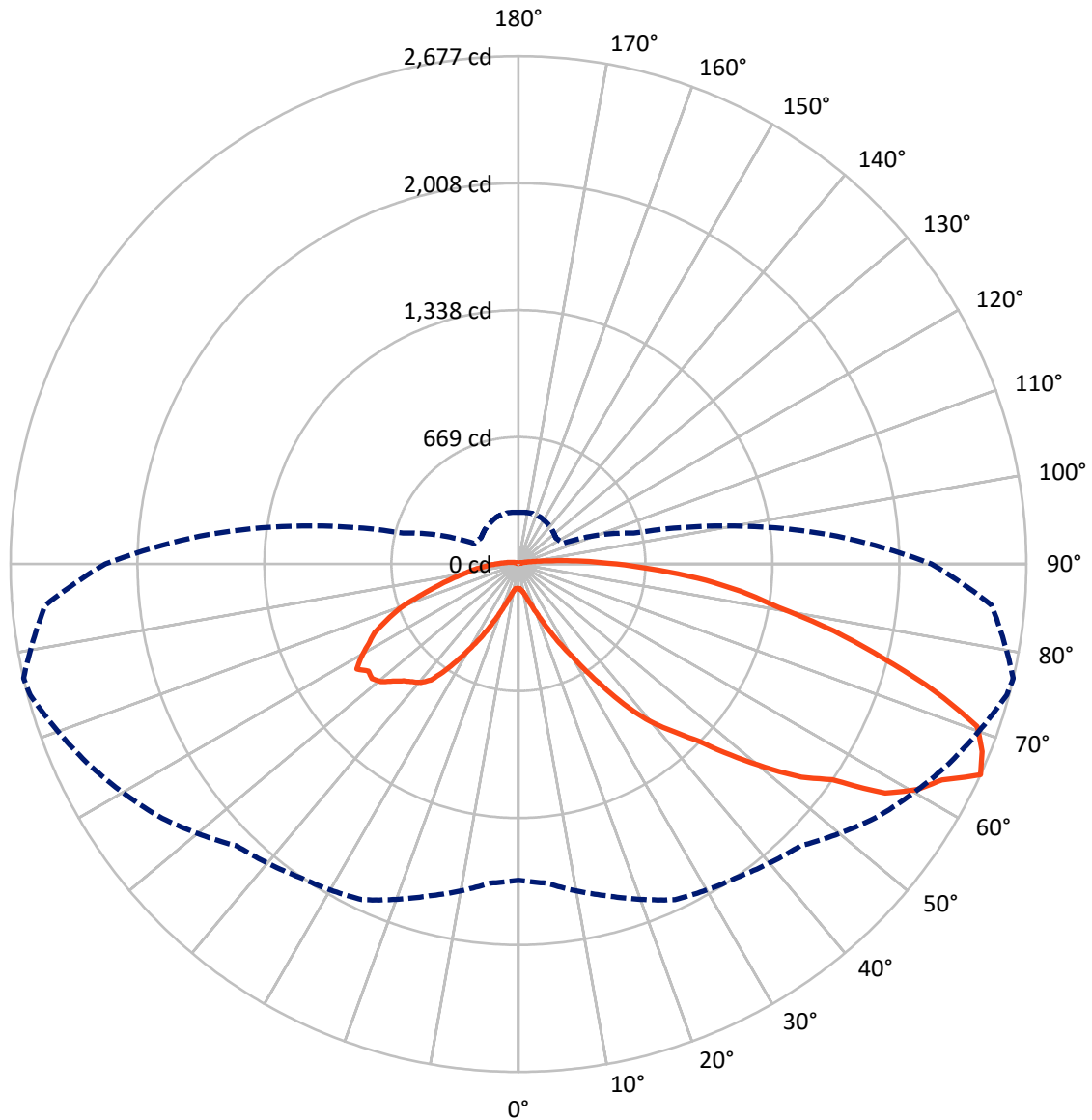
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.0	80.5	1212.5
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3823.9	100.6	3924.5
	% Fixture	74.4	2.0	76.4
Total	Lumens	4955.9	181.1	5137.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.3
10°-20°	56.3	1.1
20°-30°	164.9	3.2
30°-40°	394.7	7.7
40°-50°	710.7	13.8
50°-60°	1081.0	21.0
60°-70°	1275.2	24.8
70°-80°	878.8	17.1
80°-90°	381.0	7.4
90°-100°	111.2	2.2
100°-110°	34.8	0.7
110°-120°	16.3	0.3
120°-130°	9.6	0.2
130°-140°	5.8	0.1
140°-150°	2.5	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4955.9	96.5
0°-180°	5137.0	100.0



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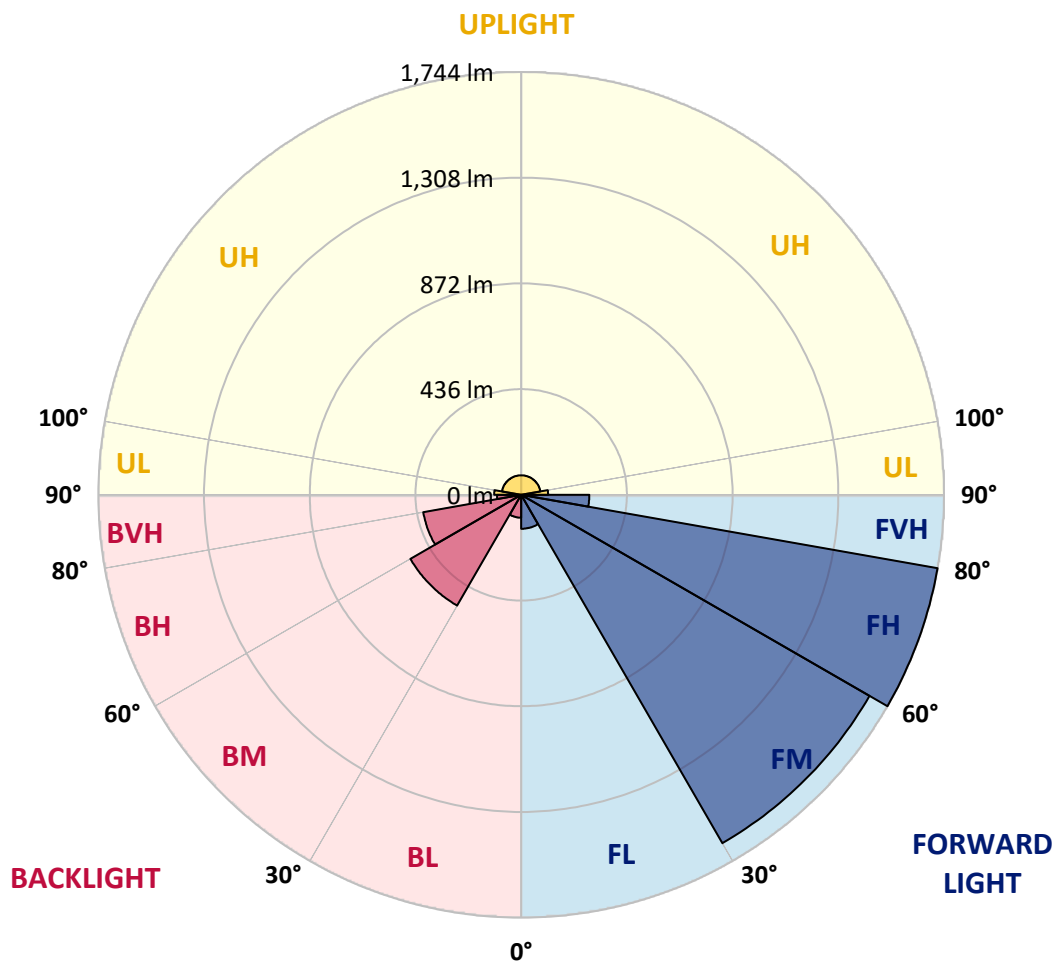
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.0	2.7			
FM	(30°-60°)	1658.9	32.3			
FH	(60°-80°)	1743.9	33.9			G1/1800
FVH	(80°-90°)	281.1	5.5			G3/500
BL	(0°-30°)	94.4	1.8	B0/110		
BM	(30°-60°)	527.6	10.3	B1/1000		
BH	(60°-80°)	410.1	8.0	B1/500		G1/500
BVH	(80°-90°)	99.9	1.9			G1/100
UL	(90°-100°)	111.2	2.2		U3/500	
UH	(100°-180°)	80.5	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
2.5°	138.8	138.2	138.2	138.8	137.6	136.4	134.6	132.9	131.1	131.1	129.9
5°	150.0	149.4	149.4	149.4	147.0	145.3	141.1	138.8	136.4	135.2	133.4
7.5°	164.7	163.0	163.6	163.0	159.4	155.9	151.8	147.0	144.1	143.5	139.9
10°	184.2	183.0	181.9	179.5	176.0	170.1	164.2	160.0	155.9	155.3	151.2
12.5°	212.0	210.8	208.4	203.1	195.4	188.4	182.5	177.7	175.4	174.2	170.1
15°	245.6	242.1	240.9	232.7	222.0	213.8	207.3	204.3	201.9	201.9	196.6
17.5°	285.2	285.2	279.3	268.1	254.5	244.5	238.0	232.7	234.4	233.8	230.9
20°	334.2	333.0	324.2	309.4	292.9	283.4	275.2	272.2	274.6	276.9	276.9
22.5°	405.1	402.1	388.5	366.1	341.9	326.5	320.6	320.0	329.5	332.4	336.0
25°	484.8	480.7	463.5	436.4	406.3	382.6	374.4	380.9	398.0	404.5	411.6
27.5°	581.0	578.7	552.7	515.5	479.5	448.8	439.3	459.4	482.4	484.8	499.0
30°	705.0	706.2	670.8	617.1	555.6	523.8	513.1	537.3	571.6	573.9	602.3
32.5°	848.5	848.5	795.4	730.4	651.3	606.4	596.4	635.4	689.1	697.4	724.5
35°	1031.6	1020.9	953.0	859.7	760.5	693.8	692.6	753.5	827.3	835.5	865.1
37.5°	1195.7	1202.2	1133.1	1011.5	877.5	800.7	810.7	888.1	981.4	983.7	1015.6
40°	1373.5	1380.5	1299.1	1172.1	1007.4	921.2	941.2	1013.3	1106.0	1107.7	1119.0
42.5°	1512.8	1531.1	1454.9	1322.7	1156.2	1058.1	1062.9	1130.2	1201.6	1210.5	1218.2
45°	1596.1	1609.7	1567.7	1462.0	1287.3	1195.1	1183.9	1238.8	1332.1	1329.8	1341.0
47.5°	1727.2	1743.1	1678.7	1582.5	1434.9	1320.9	1306.7	1378.2	1492.7	1504.5	1493.9
50°	1863.0	1884.2	1837.6	1725.4	1573.0	1462.0	1463.8	1545.3	1678.7	1682.9	1689.4
52.5°	1958.0	1973.4	1955.1	1877.1	1715.4	1614.4	1630.3	1727.8	1858.8	1866.5	1840.5
55°	1972.8	1996.4	2011.2	1993.5	1871.2	1771.4	1812.2	1909.6	1998.2	2004.7	1984.6
57.5°	1968.1	1987.6	2018.9	2032.4	1971.0	1933.2	1985.8	2085.6	2256.2	2278.1	2268.0
60°	1962.8	1976.9	2041.9	2062.0	2027.1	2057.2	2141.1	2318.8	2412.7	2414.5	2323.0
62.5°	1815.1	1838.8	1961.0	2062.0	2052.5	2109.8	2293.4	2416.8	2491.2	2504.8	2417.4
65°	1666.9	1687.6	1810.4	1952.1	2014.7	2100.9	2317.1	2498.9	2664.3	2676.7	2503.6
67.5°	1452.6	1485.1	1619.1	1789.8	1866.5	2004.1	2255.1	2527.9	2630.6	2635.9	2438.1
70°	1183.3	1227.6	1378.8	1558.9	1651.0	1790.3	2116.3	2424.5	2568.0	2565.1	2329.5
72.5°	852.7	892.2	1030.4	1244.1	1388.2	1540.6	1862.4	2219.0	2300.5	2297.6	1981.7
75°	579.3	600.5	704.4	899.9	1107.2	1286.1	1604.3	1925.0	1994.1	1988.7	1697.6
77.5°	379.7	403.9	471.2	638.3	831.4	1037.5	1346.9	1611.4	1720.1	1700.6	1439.0
80°	232.7	246.2	301.7	431.1	630.0	837.3	1113.6	1363.4	1419.5	1391.2	1175.1
82.5°	145.3	155.9	195.4	284.6	452.3	646.6	913.5	1147.9	1210.5	1178.6	966.6
85°	89.2	94.5	121.6	187.2	307.1	475.3	734.6	931.2	969.6	946.5	728.7
87.5°	65.0	66.1	83.3	126.4	207.3	340.1	540.9	701.5	729.2	686.7	510.8
90°	47.8	50.2	61.4	89.2	144.1	230.9	372.6	493.6	500.7	474.7	341.3
92.5°	36.0	37.2	46.1	63.2	99.2	157.7	248.6	330.7	324.2	305.9	212.0
95°	26.0	26.6	33.1	44.9	69.7	105.7	158.2	207.3	186.6	178.9	128.7
97.5°	21.3	21.8	26.6	34.8	51.4	74.4	102.2	123.4	109.8	105.1	82.7
100°	18.3	18.3	22.4	28.9	40.2	55.5	67.9	77.4	70.9	68.5	58.5
102.5°	16.5	16.5	19.5	24.2	33.1	43.7	50.2	53.1	49.6	47.8	43.1
105°	14.8	14.8	17.1	20.7	27.8	35.4	38.4	39.0	35.4	34.8	33.1
107.5°	13.6	13.6	15.4	18.3	23.6	29.5	30.7	28.9	27.2	26.0	26.0
110°	11.8	12.4	13.6	15.9	20.7	24.8	24.8	22.4	20.1	20.1	20.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	11.2	11.2	12.4	14.8	18.3	21.3	20.1	17.7	15.9	15.9	17.1
115°	10.0	10.0	11.2	13.6	16.5	18.3	17.1	14.8	13.0	13.6	14.8
117.5°	9.4	9.4	10.6	12.4	14.8	15.9	14.8	12.4	11.2	11.8	13.6
120°	9.4	9.4	10.6	11.8	13.6	14.2	13.0	10.6	10.0	10.0	11.8
122.5°	9.4	9.4	10.0	11.8	13.0	13.0	11.2	9.4	8.9	8.9	10.6
125°	9.4	9.4	10.6	11.8	11.8	11.8	10.0	8.3	7.7	8.3	9.4
127.5°	10.0	10.0	10.6	11.2	11.2	10.6	8.9	7.7	7.1	7.7	8.9
130°	10.0	10.0	10.6	11.2	10.6	9.4	8.3	7.1	7.1	7.1	8.9
132.5°	10.0	10.0	10.6	10.6	10.0	8.3	7.1	5.9	6.5	7.1	8.3
135°	9.4	9.4	9.4	9.4	8.9	7.7	5.9	5.3	5.9	6.5	7.7
137.5°	8.9	8.9	8.9	8.9	7.7	6.5	4.7	4.1	5.3	5.3	6.5
140°	7.7	7.7	8.3	7.7	7.1	5.3	4.1	3.0	4.1	4.1	5.3
142.5°	7.1	7.1	7.1	7.1	5.9	4.7	3.0	3.0	3.5	3.5	4.1
145°	5.9	5.9	6.5	5.9	4.7	3.5	2.4	2.4	3.0	3.0	3.5
147.5°	4.7	5.3	5.3	4.7	4.1	3.0	1.8	1.8	2.4	2.4	3.0
150°	4.1	4.1	4.1	4.1	3.0	1.8	1.2	1.8	2.4	2.4	2.4
152.5°	3.0	3.0	3.5	3.5	2.4	1.2	1.2	1.8	1.8	1.8	2.4
155°	2.4	2.4	3.0	2.4	1.8	0.6	1.2	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.8	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.8
160°	0.6	0.6	1.8	1.8	1.2	0.6	0.6	0.6	1.2	1.2	1.2
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°	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3	129.3
2.5°	129.3	128.1	127.5	126.4	125.2	124.0	124.0	124.0	123.4	122.8	123.4
5°	131.7	131.1	128.1	125.8	123.4	122.2	121.0	120.5	120.5	119.3	119.3
7.5°	138.2	135.8	131.7	127.5	125.2	122.8	121.0	120.5	119.9	118.7	118.7
10°	148.2	145.3	140.5	134.0	129.9	125.8	124.0	124.0	123.4	122.8	122.8
12.5°	167.1	163.6	155.3	146.4	138.2	132.3	131.1	132.9	136.4	137.0	137.0
15°	194.9	190.7	180.1	165.9	152.9	144.7	145.8	150.6	155.3	157.1	157.1
17.5°	229.1	224.4	209.0	188.4	171.2	163.6	163.0	169.5	176.0	179.5	179.5
20°	275.2	267.5	247.4	217.9	194.3	185.4	181.9	187.8	197.8	201.9	200.8
22.5°	332.4	323.6	295.2	250.4	220.8	204.9	200.2	206.7	219.1	224.4	223.8
25°	408.0	399.2	353.1	291.1	246.8	222.0	219.1	228.5	246.8	257.5	256.3
27.5°	496.0	481.2	419.8	336.6	272.2	236.2	236.8	252.7	271.6	283.4	282.3
30°	589.9	571.0	487.1	380.3	295.8	252.1	251.0	269.9	289.3	301.7	301.7
32.5°	713.9	686.1	565.1	422.2	314.1	264.5	260.4	281.7	301.7	314.7	314.1
35°	846.8	809.6	646.6	466.5	329.5	271.0	266.3	288.2	308.8	324.2	324.2
37.5°	999.1	935.9	722.8	497.2	340.1	274.6	268.1	292.9	318.3	334.2	333.0
40°	1079.4	1008.5	759.4	510.8	341.9	275.2	271.0	297.0	318.3	324.2	321.2
42.5°	1169.2	1077.6	774.7	494.2	335.4	274.0	272.8	292.9	302.3	300.6	298.8
45°	1282.5	1159.1	789.5	473.6	320.0	272.2	269.9	281.7	282.3	275.2	272.8
47.5°	1427.2	1271.3	813.7	448.8	304.7	268.1	265.1	270.4	260.4	247.4	243.3
50°	1582.5	1401.2	843.8	427.5	290.5	262.8	259.8	258.0	248.0	235.0	232.7
52.5°	1717.7	1489.2	852.1	405.1	281.1	259.2	255.7	253.9	244.5	229.7	226.7
55°	1838.8	1564.2	823.1	371.4	273.4	256.9	255.7	255.7	245.6	230.3	227.3
57.5°	2077.9	1743.7	833.8	337.2	263.4	256.3	258.0	258.6	249.2	234.4	231.5
60°	2085.0	1709.4	771.8	313.0	254.5	256.3	260.4	261.6	255.1	245.1	243.3
62.5°	2152.9	1710.6	688.5	281.7	248.6	255.1	262.2	266.3	266.9	261.0	259.8
65°	2177.7	1685.8	628.3	256.9	240.3	252.1	262.8	272.8	276.3	273.4	272.2
67.5°	2082.6	1571.9	546.2	240.3	232.1	247.4	262.2	274.6	282.3	284.0	284.0
70°	1957.4	1443.7	473.0	224.4	223.2	240.9	258.0	274.6	285.2	289.9	289.9
72.5°	1639.8	1185.7	390.3	207.8	211.4	230.9	249.2	269.3	281.1	285.2	283.4
75°	1371.7	976.1	321.2	193.7	199.6	218.5	236.8	256.3	264.5	266.9	265.1
77.5°	1160.3	811.9	263.9	180.7	185.4	202.5	219.1	232.7	238.0	236.8	233.8
80°	935.3	633.6	216.7	164.7	169.5	183.0	194.9	205.5	210.8	207.8	206.1
82.5°	744.6	503.7	184.8	150.6	152.3	163.6	171.8	180.1	189.0	186.6	181.9
85°	550.9	370.8	157.1	135.2	135.2	143.5	147.6	155.3	167.7	167.1	165.3
87.5°	376.7	263.9	133.4	119.9	119.3	124.0	126.4	134.6	150.6	151.2	149.4
90°	248.0	180.7	111.6	103.9	102.7	106.3	108.1	115.1	128.1	129.3	127.0
92.5°	161.2	125.2	91.5	88.0	87.4	90.3	89.8	94.5	103.3	102.7	101.0
95°	103.3	87.4	74.4	72.6	70.9	74.4	73.2	74.4	79.1	77.9	77.9
97.5°	71.4	66.7	61.4	58.5	57.3	60.8	59.6	59.6	62.0	59.6	58.5
100°	54.9	53.1	50.8	48.4	46.1	49.0	49.0	49.0	50.8	47.2	46.1
102.5°	42.5	41.9	41.9	40.2	38.4	40.7	41.3	41.9	41.3	37.8	37.2
105°	33.7	33.7	34.8	33.1	32.5	34.2	34.8	34.2	34.2	31.3	31.3
107.5°	26.6	27.8	28.9	27.8	27.8	28.9	28.9	28.9	27.8	26.0	26.6
110°	21.8	23.0	24.8	23.6	23.6	24.8	24.2	23.6	23.0	22.4	22.4



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.9	19.5	20.7	20.1	20.7	21.3	20.7	19.5	19.5	19.5	20.1
115°	15.9	17.1	18.3	17.7	17.7	18.3	17.1	16.5	16.5	17.1	17.1
117.5°	14.2	15.4	15.9	15.9	15.4	15.9	14.8	14.2	14.8	15.4	15.4
120°	13.0	13.6	14.2	14.2	13.6	13.6	13.0	12.4	13.0	13.6	14.2
122.5°	11.8	12.4	12.4	13.0	12.4	11.8	11.2	11.2	11.8	12.4	12.4
125°	10.6	11.2	11.2	11.2	11.2	10.6	10.0	10.0	10.6	11.2	11.8
127.5°	9.4	10.0	10.0	10.6	10.0	9.4	8.9	9.4	10.0	10.6	10.6
130°	9.4	9.4	9.4	9.4	8.9	8.3	8.3	8.3	9.4	10.0	10.0
132.5°	8.9	9.4	8.9	8.9	8.3	7.1	7.1	7.7	8.9	9.4	9.4
135°	8.3	8.3	7.7	7.7	7.1	6.5	5.9	7.1	7.7	8.3	8.3
137.5°	7.1	7.1	6.5	5.9	5.9	5.3	5.3	5.9	7.1	7.7	7.7
140°	5.3	5.9	5.3	4.7	4.7	4.1	4.7	5.3	6.5	6.5	6.5
142.5°	4.1	4.7	4.1	3.5	3.5	3.5	3.5	4.7	5.9	5.9	5.9
145°	3.5	3.5	3.5	3.0	2.4	2.4	3.0	4.1	5.3	5.3	5.3
147.5°	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.5	4.1	4.1	4.1
150°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	3.0	3.5	3.5	3.5
152.5°	2.4	2.4	2.4	1.8	1.2	0.6	1.2	2.4	3.0	3.0	3.0
155°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.8	2.4	2.4	2.4
157.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.8	2.4	1.8	1.8
160°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	1.2	1.8	1.2	1.2
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)