

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: P415443

Luminaire Tested: **LXF.LXT-PA1-50-730-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415443
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-PA1-50-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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

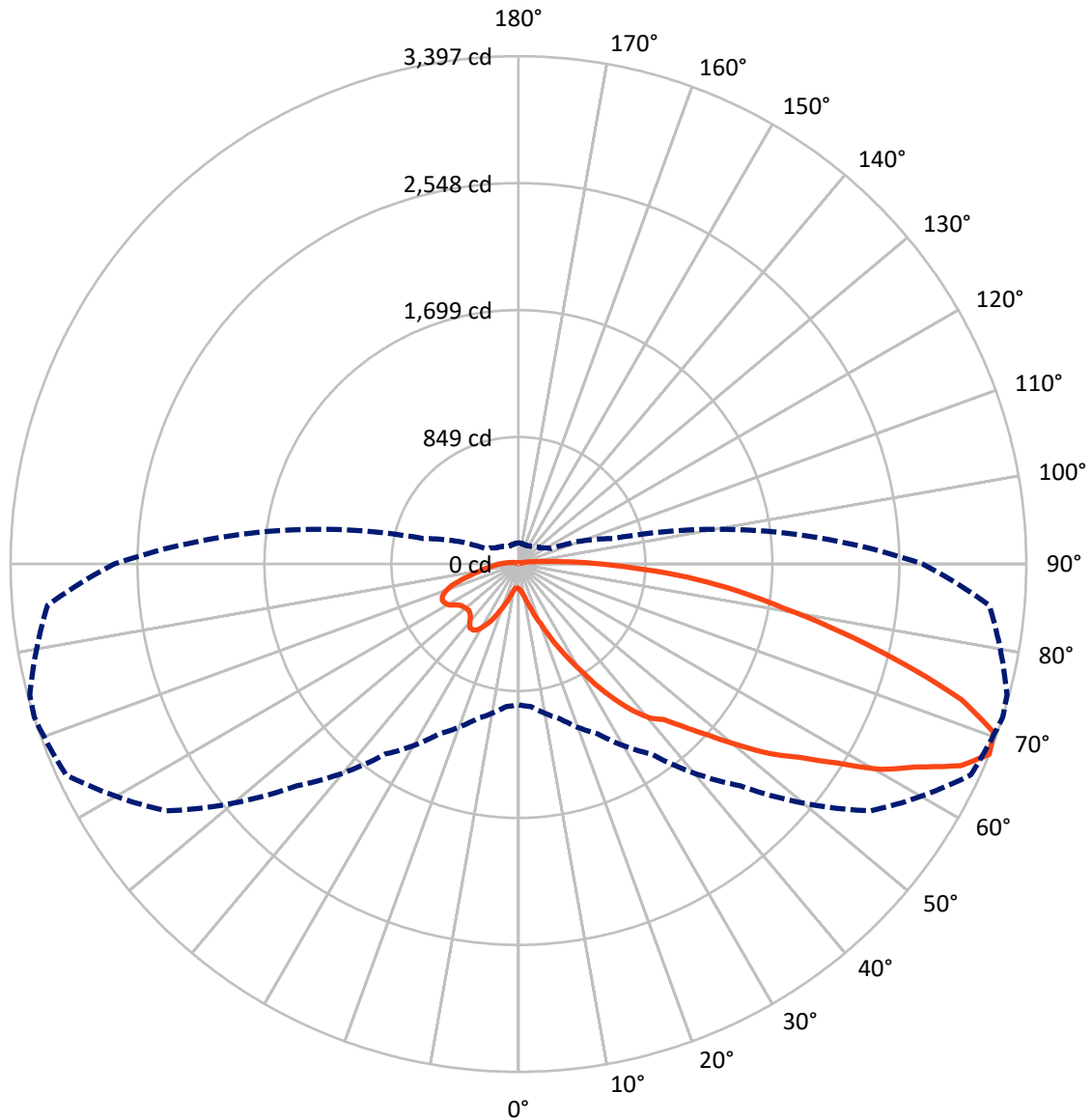
Lumens per Lamp: N/A
Luminaire Lumens: 5484 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

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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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	959.6	84.3	1043.9
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	4320.8	119.3	4440.1
	% Fixture	78.8	2.2	81.0
Total	Lumens	5280.4	203.6	5484.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.3
10°-20°	74.0	1.3
20°-30°	205.1	3.7
30°-40°	441.0	8.0
40°-50°	746.4	13.6
50°-60°	1095.2	20.0
60°-70°	1306.1	23.8
70°-80°	975.4	17.8
80°-90°	420.0	7.7
90°-100°	121.9	2.2
100°-110°	39.7	0.7
110°-120°	18.6	0.3
120°-130°	11.3	0.2
130°-140°	7.3	0.1
140°-150°	3.2	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5280.4	96.3
0°-180°	5484.0	100.0

Coefficient of Utilization



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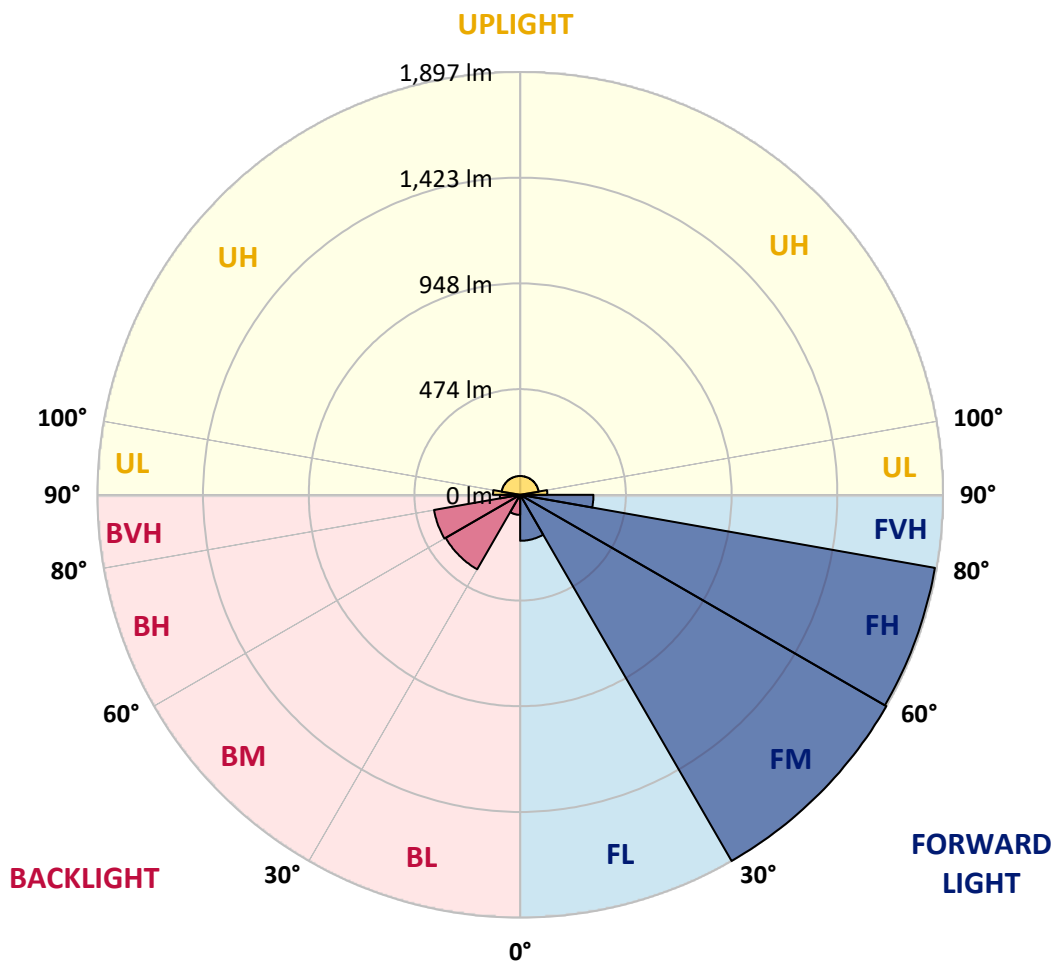
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.4	3.8			
FM	(30°-60°)	1896.7	34.6			
FH	(60°-80°)	1889.2	34.4			G2/5000
FVH	(80°-90°)	328.6	6.0			G3/500
BL	(0°-30°)	89.9	1.6	B0/110		
BM	(30°-60°)	385.9	7.0	B1/1000		
BH	(60°-80°)	392.3	7.2	B1/500		G1/500
BVH	(80°-90°)	91.5	1.7			G1/100
UL	(90°-100°)	121.9	2.2		U3/500	
UH	(100°-180°)	84.3	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°	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6
2.5°	180.0	181.3	182.6	182.0	181.3	179.4	176.2	173.0	169.7	169.7	167.2
5°	205.7	205.1	204.5	205.1	201.9	197.4	192.2	186.5	182.0	180.7	174.2
7.5°	235.3	234.0	235.3	231.5	227.0	221.2	213.5	205.7	198.0	196.7	186.5
10°	270.7	269.4	268.8	265.5	257.2	248.8	241.1	228.9	223.1	221.2	207.7
12.5°	315.1	314.4	310.6	304.1	293.2	284.8	273.9	267.5	261.7	257.2	243.7
15°	365.8	367.1	362.6	349.1	335.6	322.8	317.6	312.5	308.0	306.1	294.5
17.5°	437.2	434.6	424.4	403.8	381.9	371.6	367.1	363.9	368.4	367.1	349.1
20°	525.3	518.9	502.8	467.4	440.4	423.7	419.9	425.6	428.2	434.6	422.4
22.5°	628.8	620.5	593.5	553.6	514.4	482.9	479.0	496.4	512.4	514.4	509.2
25°	729.8	722.1	698.3	646.2	593.5	551.7	542.7	581.2	613.4	619.2	626.2
27.5°	833.3	829.4	794.7	738.1	680.3	627.5	626.2	668.0	718.2	731.7	743.9
30°	950.9	959.9	916.2	844.9	772.2	711.1	707.9	769.6	831.4	860.3	880.9
32.5°	1116.8	1109.1	1054.5	974.7	866.7	795.4	799.9	871.9	976.0	1000.5	1027.5
35°	1307.2	1309.7	1235.1	1111.0	983.7	895.7	892.4	992.7	1113.6	1134.2	1179.2
37.5°	1463.4	1476.3	1421.0	1278.2	1114.9	1001.1	1005.6	1118.1	1245.4	1286.6	1325.8
40°	1631.2	1642.8	1578.5	1439.6	1257.6	1117.5	1123.9	1233.2	1354.7	1388.2	1397.8
42.5°	1814.5	1826.0	1748.2	1583.6	1377.9	1257.6	1232.6	1316.2	1422.2	1464.0	1472.4
45°	1986.1	2006.1	1927.6	1734.1	1512.3	1383.7	1345.7	1413.2	1552.1	1590.7	1599.7
47.5°	2038.8	2062.6	2028.6	1870.4	1640.9	1492.3	1467.3	1561.1	1710.9	1768.2	1756.6
50°	2089.6	2111.5	2090.9	1950.8	1747.6	1618.3	1624.1	1733.4	1903.2	1976.5	1967.5
52.5°	2097.4	2119.9	2098.6	2000.3	1838.9	1745.7	1810.0	1939.2	2107.6	2161.0	2148.2
55°	2110.2	2125.0	2105.7	1994.5	1905.1	1881.3	2002.8	2150.1	2283.8	2347.5	2326.3
57.5°	1931.5	1937.3	2007.3	1977.8	1919.3	2031.8	2220.2	2353.3	2510.8	2605.9	2595.0
60°	1674.3	1686.5	1773.3	1841.5	1909.6	2139.2	2433.6	2634.9	2789.2	2851.6	2792.4
62.5°	1462.8	1476.3	1567.6	1655.0	1828.0	2186.7	2656.7	2886.9	2988.5	3045.1	2975.0
65°	1178.6	1188.8	1300.1	1471.8	1694.9	2168.1	2823.9	3149.3	3251.5	3274.0	3138.3
67.5°	941.9	957.4	1070.5	1253.8	1552.1	2097.4	2878.6	3338.3	3397.4	3383.9	3162.1
70°	700.8	708.5	846.8	1079.5	1383.0	1943.0	2826.5	3380.7	3371.7	3354.4	3050.2
72.5°	482.9	481.6	611.5	838.4	1206.8	1766.9	2584.1	3140.9	3098.5	3053.5	2668.3
75°	311.8	329.2	410.2	609.5	976.0	1512.3	2270.3	2727.5	2655.5	2584.1	2198.3
77.5°	210.3	222.5	288.0	436.6	745.8	1271.8	1954.0	2342.3	2222.1	2157.2	1774.6
80°	144.7	149.8	200.0	320.8	554.9	1008.8	1600.3	1938.5	1807.4	1730.2	1377.2
82.5°	101.6	105.4	139.5	236.6	417.9	753.6	1277.6	1612.6	1475.0	1419.0	1069.9
85°	73.3	75.9	100.3	176.2	317.6	565.8	972.2	1254.4	1134.8	1091.8	764.5
87.5°	54.7	57.2	75.9	130.5	244.3	430.1	725.3	898.2	769.6	713.7	482.9
90°	40.5	43.1	58.5	97.7	191.0	324.1	525.3	614.0	499.6	452.6	308.0
92.5°	30.2	32.1	43.7	71.4	146.0	248.2	370.3	388.4	295.8	269.4	194.2
95°	22.5	23.8	32.8	52.1	104.2	180.7	242.4	227.0	174.2	158.2	122.8
97.5°	18.6	19.3	25.7	39.9	73.3	126.7	155.6	139.5	112.5	104.8	84.9
100°	15.4	16.1	20.6	30.2	53.4	86.8	102.9	90.7	78.4	75.2	66.2
102.5°	13.5	14.1	17.4	25.1	39.9	62.4	71.4	64.9	57.9	55.3	51.4
105°	12.2	12.2	15.4	21.2	32.8	46.9	52.1	47.6	43.1	41.8	41.1
107.5°	10.9	10.9	13.5	18.6	27.0	36.6	39.2	35.4	31.5	30.9	32.8
110°	10.3	10.3	12.2	16.7	23.1	30.2	30.9	26.4	23.8	23.8	26.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	9.6	9.6	11.6	14.8	20.6	25.1	24.4	20.6	18.6	18.6	21.9
115°	9.6	9.6	10.9	14.1	18.0	21.2	19.9	16.7	15.4	15.4	18.6
117.5°	9.6	10.3	10.9	13.5	16.7	18.6	17.4	14.1	13.5	13.5	16.7
120°	10.3	10.3	10.9	13.5	15.4	16.1	14.8	12.2	11.6	12.2	15.4
122.5°	10.3	10.3	11.6	13.5	14.8	14.8	12.9	10.9	10.9	10.9	14.1
125°	10.9	10.9	11.6	13.5	14.1	13.5	11.6	10.3	10.3	10.9	12.9
127.5°	11.6	11.6	12.2	13.5	13.5	12.2	10.9	9.6	9.6	10.3	12.9
130°	12.9	12.9	12.9	13.5	12.2	10.9	9.6	9.0	9.6	10.3	12.9
132.5°	12.9	12.9	12.9	12.9	11.6	9.6	9.0	8.4	9.6	10.3	12.2
135°	11.6	11.6	11.6	11.6	10.3	8.4	7.7	7.7	9.0	9.6	11.6
137.5°	10.3	10.3	10.3	9.6	9.0	7.7	6.4	6.4	7.7	8.4	10.3
140°	9.0	9.0	8.4	8.4	7.7	6.4	5.8	5.8	6.4	7.1	8.4
142.5°	7.1	7.1	7.1	7.1	6.4	5.1	4.5	4.5	5.8	6.4	7.1
145°	5.8	5.8	5.8	5.8	5.1	4.5	3.9	3.9	4.5	5.1	5.8
147.5°	4.5	4.5	5.1	5.1	4.5	3.9	2.6	3.2	3.9	3.9	4.5
150°	3.9	3.9	3.9	4.5	3.2	2.6	1.9	2.6	3.2	3.2	3.9
152.5°	3.2	3.2	3.2	3.2	2.6	1.3	1.9	2.6	2.6	3.2	3.2
155°	1.9	1.9	2.6	2.6	1.9	1.3	1.9	1.9	2.6	2.6	3.2
157.5°	1.3	1.3	1.9	1.9	1.9	1.3	1.3	1.9	1.9	1.9	2.6
160°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
162.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
165°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
167.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
170°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
172.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
175°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
177.5°	0.0	0.6	1.3	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.9
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6
2.5°	165.2	164.0	161.4	158.8	156.2	153.7	153.0	151.7	151.1	150.5	151.1
5°	171.7	167.8	162.0	156.2	151.1	146.6	143.4	140.2	137.6	136.3	136.3
7.5°	183.2	176.8	167.2	157.5	148.5	140.8	135.7	131.2	128.0	126.7	126.0
10°	201.2	193.5	179.4	164.0	150.5	138.9	131.2	126.0	122.8	120.9	120.9
12.5°	232.8	223.8	201.2	177.5	155.6	139.5	129.2	124.1	120.9	120.2	120.9
15°	282.3	268.1	235.3	201.2	167.8	140.8	128.0	126.0	127.3	128.0	128.0
17.5°	340.1	320.8	279.0	227.6	181.3	146.6	133.1	131.8	133.7	135.7	137.0
20°	405.1	380.0	319.6	252.7	190.3	155.0	138.2	135.7	140.2	144.0	143.4
22.5°	487.4	457.1	371.0	272.0	196.7	156.9	140.2	137.6	145.3	149.8	151.1
25°	595.4	552.3	431.4	292.6	200.6	154.3	138.9	139.5	151.1	160.1	162.0
27.5°	713.1	650.7	487.4	309.3	200.6	147.9	137.0	144.7	160.7	172.3	173.6
30°	841.6	754.8	536.2	322.1	194.8	141.5	135.0	147.2	163.3	175.5	176.8
32.5°	978.6	862.9	587.0	326.6	186.5	136.3	133.1	145.3	158.8	169.7	172.3
35°	1100.1	959.3	607.0	320.2	174.9	132.5	128.6	138.9	152.4	165.9	166.5
37.5°	1226.8	1051.3	616.0	302.2	163.3	128.6	124.7	134.4	150.5	166.5	168.5
40°	1280.8	1075.0	590.2	277.1	152.4	126.0	122.8	133.7	151.1	167.2	169.7
42.5°	1336.1	1098.2	558.7	241.1	145.3	125.4	124.7	133.7	147.9	160.7	162.7
45°	1430.6	1149.6	544.6	216.7	141.5	127.3	126.7	131.8	142.1	153.7	157.5
47.5°	1565.6	1227.4	537.5	201.2	141.5	130.5	128.6	129.9	136.3	146.6	149.8
50°	1738.6	1335.4	546.5	192.9	144.7	135.0	131.2	129.2	131.8	142.7	146.6
52.5°	1883.9	1439.0	557.5	191.6	149.8	140.8	135.0	129.2	131.2	144.0	148.5
55°	2036.3	1537.3	569.7	194.8	156.2	145.3	137.6	130.5	131.8	144.0	149.2
57.5°	2257.5	1704.5	601.2	201.9	162.7	150.5	140.8	132.5	131.2	140.8	144.7
60°	2459.3	1864.0	648.1	215.4	170.4	155.6	144.0	133.7	130.5	137.0	139.5
62.5°	2581.5	1950.1	666.1	228.3	178.1	160.1	145.3	133.7	132.5	138.2	140.2
65°	2707.5	2032.4	673.2	238.5	182.6	162.7	145.3	135.0	135.0	138.9	139.5
67.5°	2703.0	2014.4	656.5	243.7	186.5	164.0	145.3	135.0	136.3	140.2	140.8
70°	2584.7	1910.9	614.7	243.0	185.8	162.0	142.7	134.4	139.5	144.0	144.7
72.5°	2237.5	1642.8	547.2	235.3	180.0	156.9	138.9	133.1	140.8	147.2	147.2
75°	1835.7	1338.0	452.0	220.5	173.0	150.5	133.1	128.6	138.2	147.2	147.2
77.5°	1446.0	1047.4	366.5	201.2	162.7	142.7	126.0	120.9	131.8	140.2	139.5
80°	1123.3	794.1	294.5	182.0	151.1	134.4	117.7	111.9	121.5	127.3	126.0
82.5°	861.6	611.5	243.0	164.0	139.5	124.7	109.3	104.2	113.2	117.0	115.7
85°	588.3	437.9	199.3	144.0	124.7	113.2	100.9	97.1	107.4	111.9	110.6
87.5°	388.4	300.9	166.5	126.7	109.9	101.6	91.3	90.0	101.6	106.1	105.4
90°	256.5	210.3	141.5	109.9	95.8	88.7	82.3	82.3	92.6	96.4	93.9
92.5°	169.1	149.2	111.9	93.2	81.7	77.2	73.3	72.7	81.7	82.9	81.0
95°	115.1	104.8	87.4	77.2	68.8	66.2	63.0	64.3	70.1	68.8	66.9
97.5°	82.3	79.7	70.7	63.0	57.2	56.6	55.3	55.9	59.2	56.6	55.3
100°	65.6	63.7	58.5	52.7	48.9	48.2	47.6	48.2	50.2	47.6	46.3
102.5°	52.7	52.7	48.9	44.4	41.1	41.8	41.8	41.8	42.4	38.6	38.6
105°	42.4	42.4	41.1	37.3	35.4	35.4	36.0	36.0	36.0	33.4	33.4
107.5°	34.1	35.4	34.7	31.5	30.2	30.9	30.9	30.2	30.2	28.9	28.9
110°	27.6	28.9	28.9	27.0	26.4	27.0	26.4	25.7	25.1	25.1	25.1



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.1	24.4	25.1	23.8	23.1	23.1	22.5	21.9	21.9	22.5	22.5
115°	19.9	21.2	21.9	20.6	20.6	20.6	19.3	18.6	18.6	19.9	19.9
117.5°	18.0	18.6	19.3	18.6	18.0	18.0	17.4	16.1	16.1	17.4	18.0
120°	16.1	16.7	17.4	16.7	16.1	15.4	14.8	14.1	14.1	16.1	16.1
122.5°	14.8	15.4	15.4	14.8	14.1	14.1	13.5	12.9	12.9	14.1	14.8
125°	14.1	14.1	14.1	13.5	12.9	12.2	11.6	11.6	11.6	12.9	12.9
127.5°	13.5	13.5	12.9	12.2	11.6	10.9	10.9	10.3	10.3	11.6	12.2
130°	13.5	13.5	12.2	11.6	10.9	9.6	9.6	9.0	9.6	10.9	10.9
132.5°	12.9	12.9	11.6	10.9	9.6	9.0	8.4	8.4	8.4	9.6	10.3
135°	12.2	11.6	10.3	9.6	8.4	7.7	7.7	7.7	7.7	9.0	9.0
137.5°	10.9	10.3	9.0	8.4	7.7	7.1	6.4	6.4	7.1	7.7	8.4
140°	9.0	9.0	7.7	7.1	6.4	5.8	5.8	5.8	6.4	7.1	7.1
142.5°	7.7	7.7	6.4	5.8	5.1	4.5	5.1	5.1	5.8	6.4	6.4
145°	6.4	5.8	5.8	4.5	4.5	3.9	3.9	4.5	5.1	5.8	5.8
147.5°	5.1	5.1	4.5	3.9	3.2	3.2	3.2	3.9	4.5	4.5	5.1
150°	4.5	4.5	3.9	3.9	2.6	1.9	2.6	3.9	3.9	3.9	3.9
152.5°	3.9	3.9	3.9	3.2	2.6	1.3	1.9	3.2	3.2	3.2	3.2
155°	3.2	3.2	3.2	2.6	1.9	0.6	1.9	2.6	2.6	2.6	2.6
157.5°	2.6	2.6	2.6	2.6	1.3	0.6	1.3	1.9	1.9	1.9	2.6
160°	1.9	1.9	1.9	1.9	1.3	0.6	1.3	1.9	1.9	1.9	1.9
162.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.9	1.3	1.3	1.3
165°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
167.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
170°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
172.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
175°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
177.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.3	1.3	0.6	0.6
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)