

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: P415444

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415444
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-PA1-50-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5633 lumens
Efficiency: N/A
Efficacy: 104.3 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 - G3

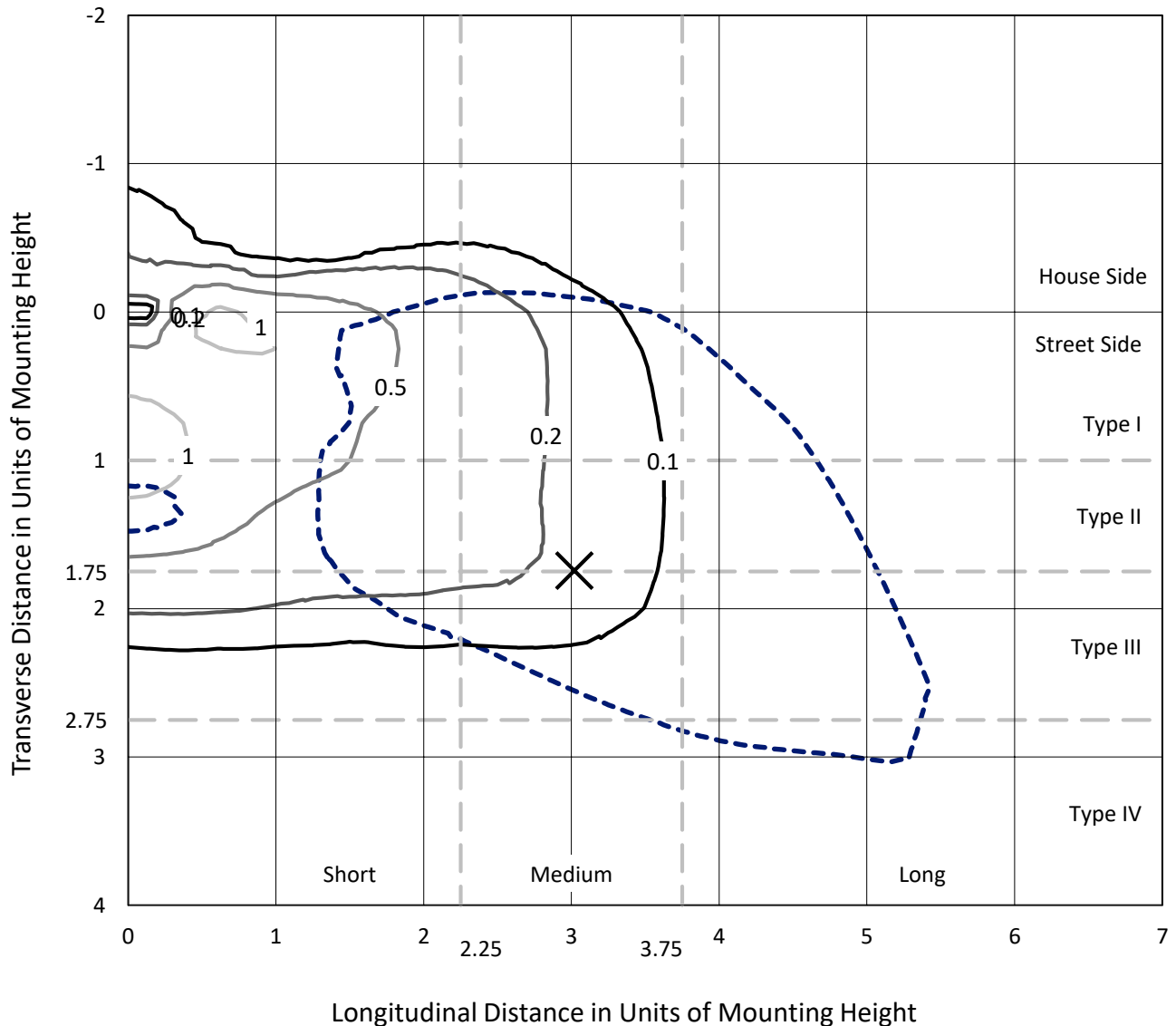
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

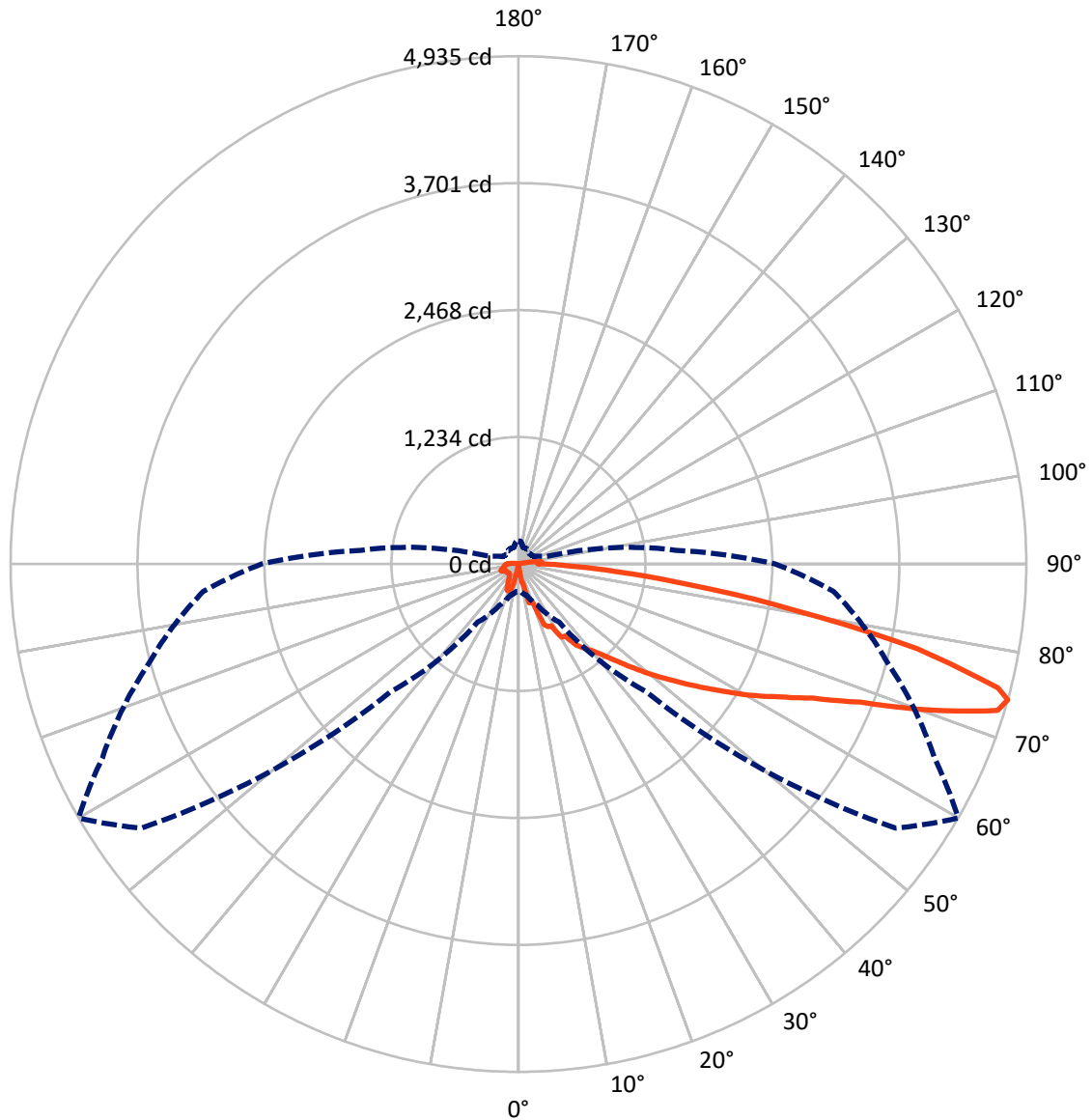
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	864.5	54.7	919.2
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	4655.1	58.7	4713.8
	% Fixture	82.6	1.0	83.7
Total	Lumens	5519.6	113.4	5633.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	71.9	1.3
20°-30°	217.8	3.9
30°-40°	436.0	7.7
40°-50°	748.0	13.3
50°-60°	1140.2	20.2
60°-70°	1404.9	24.9
70°-80°	1174.5	20.9
80°-90°	319.9	5.7
90°-100°	82.6	1.5
100°-110°	14.8	0.3
110°-120°	5.5	0.1
120°-130°	4.2	0.1
130°-140°	2.9	0.1
140°-150°	2.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5519.6	98.0
0°-180°	5633.0	100.0



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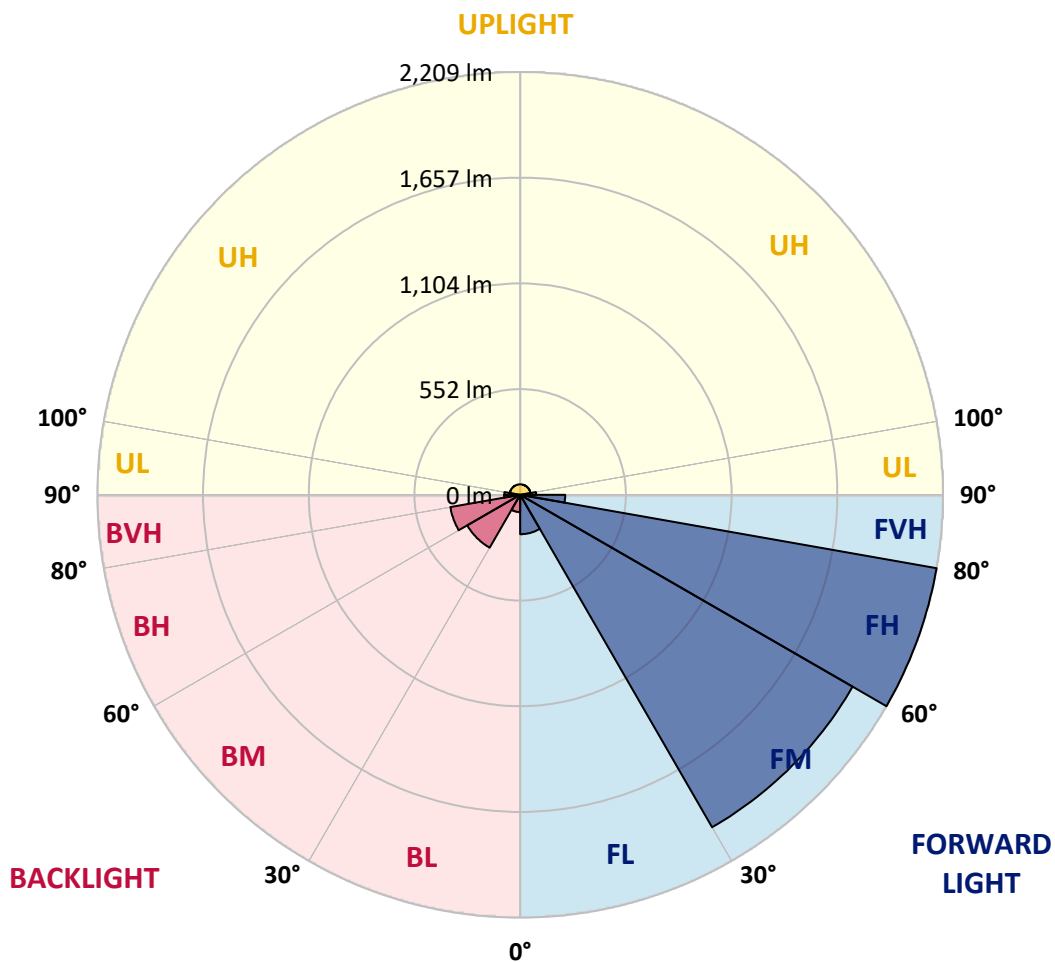
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.7	3.7			
FM	(30°-60°)	2005.3	35.6			
FH	(60°-80°)	2208.9	39.2			G2/5000
FVH	(80°-90°)	235.1	4.2			G3/500
BL	(0°-30°)	90.3	1.6	B0/110		
BM	(30°-60°)	318.9	5.7	B1/1000		
BH	(60°-80°)	370.5	6.6	B1/500		G1/500
BVH	(80°-90°)	84.7	1.5			G1/100
UL	(90°-100°)	82.6	1.5		U3/500	
UH	(100°-180°)	54.7	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III 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°	7.1	6.4	5.8	6.4	7.1	6.4	5.1	4.5	3.9	3.9	3.9
5°	187.8	185.2	183.9	143.4	34.1	21.2	8.4	5.8	5.1	3.9	3.9
7.5°	190.3	187.8	188.4	187.8	184.5	184.5	59.8	21.9	12.2	4.5	4.5
10°	200.6	196.8	191.6	191.0	189.7	187.8	184.5	180.7	41.2	7.1	6.4
12.5°	370.4	368.5	365.9	282.3	204.5	190.3	188.4	183.9	141.5	27.0	124.7
15°	367.8	367.2	362.7	364.6	364.0	207.1	234.7	391.6	376.2	272.6	314.4
17.5°	385.8	383.9	370.4	362.0	362.7	413.5	383.9	386.5	387.7	344.7	336.9
20°	523.4	520.2	518.9	504.1	368.5	485.5	495.1	401.2	410.9	535.0	598.0
22.5°	529.9	525.4	520.2	516.4	581.3	483.6	523.4	639.2	610.2	708.0	667.5
25°	715.7	703.5	652.7	528.6	580.7	556.9	677.1	673.9	637.9	738.8	713.8
27.5°	774.8	766.5	729.2	700.9	592.2	666.8	673.3	680.3	802.5	1019.2	949.8
30°	1037.8	972.9	805.1	787.7	706.7	672.6	769.7	825.0	902.8	1023.7	1004.4
32.5°	1188.3	1156.8	1075.8	951.7	827.6	735.6	834.7	834.7	907.3	1237.2	1270.0
35°	1432.0	1330.4	1172.2	1088.0	944.0	880.3	860.4	969.0	1072.6	1299.6	1297.6
37.5°	1520.1	1510.5	1451.3	1192.8	1109.9	957.5	1003.1	1036.6	1124.0	1389.6	1385.7
40°	1568.3	1589.6	1594.1	1419.2	1232.7	1106.0	1089.9	1108.6	1192.8	1516.3	1467.4
42.5°	1731.7	1739.4	1763.2	1563.8	1416.6	1268.1	1223.0	1215.3	1273.8	1663.5	1575.4
45°	1995.3	1999.2	1981.8	1730.4	1566.4	1428.8	1378.7	1349.1	1400.5	1809.5	1712.4
47.5°	2297.5	2306.5	2222.9	1918.8	1702.7	1583.8	1556.8	1511.1	1543.9	1941.3	1882.8
50°	2538.0	2535.5	2386.3	2071.2	1840.3	1742.6	1734.2	1691.8	1695.7	2101.4	2066.7
52.5°	2600.4	2596.5	2469.2	2183.7	1965.7	1907.9	1945.8	1880.2	1846.1	2267.3	2257.7
55°	2506.5	2513.6	2453.8	2230.7	2045.5	2053.2	2151.6	2095.0	2048.7	2424.2	2439.6
57.5°	2370.8	2362.5	2371.5	2248.7	2107.8	2195.3	2396.6	2325.8	2281.5	2601.7	2619.1
60°	2119.4	2107.8	2224.2	2229.4	2165.7	2356.1	2657.0	2588.2	2525.8	2788.8	2770.2
62.5°	1736.8	1722.0	1932.3	2111.1	2231.9	2544.5	2914.2	2839.6	2779.2	2987.5	2952.1
65°	1156.2	1226.3	1472.5	1852.6	2207.5	2815.8	3254.4	3142.5	3032.5	3191.3	3184.9
67.5°	670.7	720.8	901.5	1317.6	2006.2	3048.0	3793.9	3581.7	3392.0	3422.2	3407.4
70°	416.0	431.5	509.9	760.1	1414.0	2971.4	4391.9	4254.9	3853.0	3679.4	3442.1
72.5°	322.8	333.1	378.1	496.4	859.7	2298.2	4676.1	4868.4	4318.6	3746.9	3271.1
74°	264.3	270.7	317.7	444.3	690.0	1752.3	4474.2	4935.2	4461.3	3714.1	3074.3
75°	209.0	215.4	268.1	426.3	655.9	1397.9	4175.2	4811.1	4465.8	3663.3	2837.0
77.5°	128.0	132.5	144.7	294.5	596.1	798.6	3080.7	3960.4	3957.8	3042.2	2034.5
80°	101.6	102.9	108.0	155.0	485.5	724.0	1950.9	2733.5	2713.6	1826.2	1042.3
82.5°	70.1	75.2	85.5	100.3	258.5	709.3	1230.1	1698.2	1464.8	695.1	436.0
85°	46.9	50.8	64.9	74.6	138.3	754.9	882.9	955.5	720.8	344.0	287.4
87.5°	19.3	19.9	29.6	36.0	55.9	362.0	594.2	473.3	331.8	218.0	234.1
90°	10.3	10.3	7.7	8.4	20.6	77.8	194.2	188.4	156.3	179.4	219.9
92.5°	11.6	11.6	7.7	8.4	19.9	61.1	210.3	214.8	179.4	191.0	235.3
95°	12.9	12.9	7.7	7.7	19.3	41.8	201.9	227.0	184.5	200.6	237.3
97.5°	14.1	14.8	7.1	7.1	15.4	31.5	126.7	155.0	120.2	104.2	113.8
100°	14.8	14.8	6.4	6.4	10.3	22.5	58.5	74.6	57.9	27.0	18.6
102.5°	14.8	15.4	6.4	5.8	7.1	14.1	18.6	27.0	21.2	16.1	17.4
105°	14.1	15.4	6.4	5.8	5.8	7.7	9.6	10.9	11.6	11.6	18.0
107.5°	10.9	12.2	5.1	5.8	5.1	5.1	3.9	4.5	5.8	10.3	18.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.7	7.7	3.9	5.1	4.5	5.1	3.2	3.9	5.1	7.7	14.8
112.5°	3.9	3.2	2.6	3.9	3.9	4.5	3.2	3.2	4.5	6.4	10.3
115°	2.6	3.2	1.9	2.6	3.2	3.2	2.6	3.2	3.9	6.4	10.9
117.5°	2.6	2.6	1.9	2.6	3.2	2.6	2.6	3.2	3.9	6.4	10.9
120°	3.2	2.6	1.9	2.6	2.6	1.9	2.6	3.2	3.2	6.4	10.9
122.5°	3.2	3.2	2.6	2.6	2.6	1.9	2.6	2.6	3.2	6.4	10.3
125°	3.9	3.2	2.6	2.6	2.6	1.9	2.6	2.6	3.2	5.8	9.6
127.5°	3.9	3.9	2.6	2.6	3.2	1.9	2.6	2.6	3.2	5.1	9.0
130°	3.9	3.9	3.2	2.6	3.2	2.6	2.6	2.6	3.2	4.5	7.7
132.5°	3.9	3.9	3.2	3.2	3.2	2.6	2.6	2.6	2.6	3.9	6.4
135°	4.5	3.9	3.2	3.2	3.9	2.6	2.6	2.6	2.6	3.2	4.5
137.5°	4.5	4.5	3.9	3.9	4.5	3.2	2.6	3.2	3.2	3.2	3.9
140°	5.1	5.1	5.1	4.5	4.5	3.2	3.2	3.2	3.2	3.9	3.9
142.5°	6.4	5.8	5.8	5.1	4.5	3.2	3.2	3.2	3.9	3.9	3.9
145°	7.1	7.1	6.4	5.8	4.5	3.2	3.2	3.9	3.9	4.5	4.5
147.5°	7.1	7.1	6.4	5.1	3.9	2.6	3.2	3.9	3.9	4.5	5.1
150°	7.1	6.4	5.8	4.5	3.2	1.9	2.6	3.2	3.9	4.5	5.1
152.5°	5.1	5.1	4.5	3.2	2.6	1.3	1.9	2.6	3.2	3.9	4.5
155°	3.2	3.2	2.6	1.9	1.9	1.3	1.9	2.6	2.6	3.2	3.9
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	2.6	2.6
160°	0.6	0.6	1.3	0.6	1.3	1.3	1.3	1.9	1.9	1.9	1.9
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°	3.9	3.9	3.9	3.2	3.2	1.9	2.6	2.6	3.2	3.9	4.5
5°	3.9	4.5	3.9	3.2	3.2	2.6	3.2	3.2	3.2	4.5	4.5
7.5°	4.5	4.5	3.9	3.9	3.2	2.6	4.5	138.9	159.5	164.6	165.9
10°	5.8	5.8	5.1	4.5	3.9	149.8	165.3	165.3	164.0	165.3	165.3
12.5°	128.0	137.6	21.9	10.9	123.5	155.6	151.8	149.2	146.6	144.0	142.8
15°	311.2	301.6	276.5	207.7	191.6	142.8	131.2	182.0	194.2	197.4	196.8
17.5°	328.6	313.2	275.2	288.7	253.4	182.6	164.6	163.3	156.3	156.3	156.9
20°	617.9	582.6	375.5	281.6	219.9	221.2	140.8	125.4	131.2	139.5	144.7
22.5°	634.7	588.4	439.2	366.5	198.1	178.8	137.6	121.5	164.0	180.7	182.0
25°	677.1	603.2	445.0	308.7	223.8	146.6	137.0	126.7	150.5	165.9	164.6
27.5°	917.0	813.4	565.2	284.2	176.8	138.3	129.2	121.5	149.8	174.9	174.3
30°	915.7	801.9	522.1	261.7	146.0	128.6	117.7	132.5	139.5	149.2	149.8
32.5°	1189.0	1019.2	571.0	217.3	129.2	111.2	116.4	120.9	126.7	151.1	156.3
35°	1194.7	996.7	495.8	199.3	119.0	106.1	109.3	119.6	131.8	147.3	148.5
37.5°	1217.9	985.1	411.5	164.6	122.2	107.4	113.8	125.4	122.2	143.4	146.0
40°	1260.3	988.3	345.9	147.3	120.2	107.4	119.0	120.9	121.5	132.5	133.7
42.5°	1325.9	1005.7	290.6	139.5	118.3	116.4	115.1	115.7	111.2	133.1	135.7
45°	1419.2	1041.7	248.2	137.0	118.3	135.7	120.2	115.7	106.1	153.0	164.0
47.5°	1556.8	1112.4	223.1	137.6	119.0	129.9	119.0	112.5	110.6	178.8	186.5
50°	1712.4	1193.5	206.4	140.2	119.0	128.0	117.0	115.7	122.8	181.3	183.3
52.5°	1879.6	1301.5	200.6	142.8	128.0	129.9	133.1	132.5	118.3	145.3	145.3
55°	2049.3	1413.4	202.6	146.0	135.0	133.1	142.1	125.4	101.6	108.0	106.7
57.5°	2209.4	1543.9	216.1	144.0	130.5	131.8	143.4	117.7	101.6	108.0	110.6
60°	2383.1	1685.4	253.4	138.9	128.6	128.0	141.5	124.1	101.6	124.1	124.7
62.5°	2594.6	1880.2	334.4	144.0	138.9	131.8	142.1	137.0	116.4	119.0	121.5
65°	2844.8	2081.5	411.5	164.0	146.6	132.5	140.2	144.0	131.8	127.3	126.7
67.5°	3028.0	2131.0	414.8	190.3	156.9	139.5	141.5	156.9	144.0	146.6	145.3
70°	2981.7	1996.0	359.5	201.3	163.3	145.3	145.3	162.7	151.8	174.3	174.9
72.5°	2755.4	1733.0	303.5	186.5	155.0	147.3	161.4	168.5	161.4	209.6	207.1
74°	2495.6	1534.9	279.1	169.8	151.8	146.6	165.9	168.5	166.5	223.8	221.8
75°	2296.3	1379.3	265.6	160.1	149.8	144.7	167.2	169.1	168.5	225.7	225.1
77.5°	1587.0	931.7	232.1	142.8	146.6	144.7	166.5	173.0	177.5	224.4	222.5
80°	814.1	509.9	193.6	135.0	145.3	148.5	164.6	167.2	174.3	212.2	210.3
82.5°	408.3	293.9	142.1	124.1	147.3	161.4	165.3	162.0	164.0	195.5	192.3
85°	263.0	203.2	94.5	104.2	149.8	174.9	164.6	151.1	153.7	170.4	169.1
87.5°	211.6	150.5	57.9	81.0	159.5	160.1	150.5	133.7	130.5	133.7	131.8
90°	195.5	139.5	48.9	76.5	154.3	133.7	122.8	109.3	97.7	98.4	94.5
92.5°	210.3	146.0	52.1	75.9	122.8	93.9	90.0	83.0	68.8	61.1	57.2
95°	207.1	140.2	52.7	64.3	90.0	53.4	63.7	58.5	42.4	32.2	30.2
97.5°	99.7	70.7	46.9	50.2	52.7	40.5	54.0	49.5	30.9	19.9	18.6
100°	18.6	26.4	41.8	47.6	41.8	31.5	42.4	37.9	16.7	10.3	9.6
102.5°	18.0	14.8	31.5	43.1	26.4	18.0	23.1	21.2	10.9	7.7	7.7
105°	18.6	14.8	14.8	29.6	16.1	8.4	7.1	10.3	7.7	7.7	8.4
107.5°	19.3	14.8	9.0	9.6	7.7	6.4	5.1	5.1	5.8	8.4	9.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.4	12.9	8.4	7.7	7.1	6.4	5.1	4.5	5.8	9.0	9.6
112.5°	10.9	10.3	7.7	6.4	5.8	5.8	4.5	3.9	5.8	9.6	10.3
115°	10.9	10.3	6.4	5.8	4.5	5.1	4.5	3.9	5.8	10.9	11.6
117.5°	11.6	9.6	6.4	5.1	3.9	3.9	3.9	3.9	6.4	10.9	11.6
120°	11.6	9.6	6.4	4.5	3.9	3.2	3.9	3.9	6.4	10.9	12.2
122.5°	10.9	9.6	5.8	4.5	3.9	3.2	3.2	3.2	5.8	10.9	11.6
125°	10.3	9.0	5.8	4.5	3.9	2.6	3.2	3.2	5.8	10.3	11.6
127.5°	9.6	8.4	5.8	4.5	3.2	2.6	3.2	3.2	5.8	9.6	10.9
130°	8.4	7.7	5.1	3.9	3.2	2.6	3.2	3.2	5.8	9.0	10.3
132.5°	7.1	6.4	4.5	3.9	3.2	2.6	3.2	2.6	4.5	8.4	9.0
135°	5.1	5.1	4.5	3.2	3.2	1.9	2.6	2.6	3.9	6.4	7.1
137.5°	4.5	4.5	3.9	3.2	3.2	1.9	2.6	1.9	3.2	5.1	5.8
140°	4.5	4.5	3.9	3.2	2.6	1.9	1.9	1.9	2.6	4.5	4.5
142.5°	4.5	4.5	3.9	3.2	2.6	1.9	1.9	1.9	2.6	3.9	4.5
145°	4.5	4.5	4.5	3.9	2.6	1.9	1.9	1.9	2.6	3.9	3.9
147.5°	5.1	5.1	4.5	3.2	2.6	1.3	1.3	1.9	2.6	3.9	3.9
150°	5.1	5.1	4.5	3.2	2.6	1.3	0.6	1.3	1.9	3.2	3.9
152.5°	4.5	4.5	3.9	3.2	1.9	1.3	0.6	1.3	1.9	3.2	3.2
155°	3.9	3.9	3.2	2.6	1.9	0.6	0.0	0.6	1.3	2.6	2.6
157.5°	2.6	3.2	2.6	1.9	1.3	0.6	0.0	0.6	0.6	1.9	1.9
160°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	1.3	1.3
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)