

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: P416224

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416224
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-PA1-70-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 6703 lumens
Efficiency: N/A
Efficacy: 90.6 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

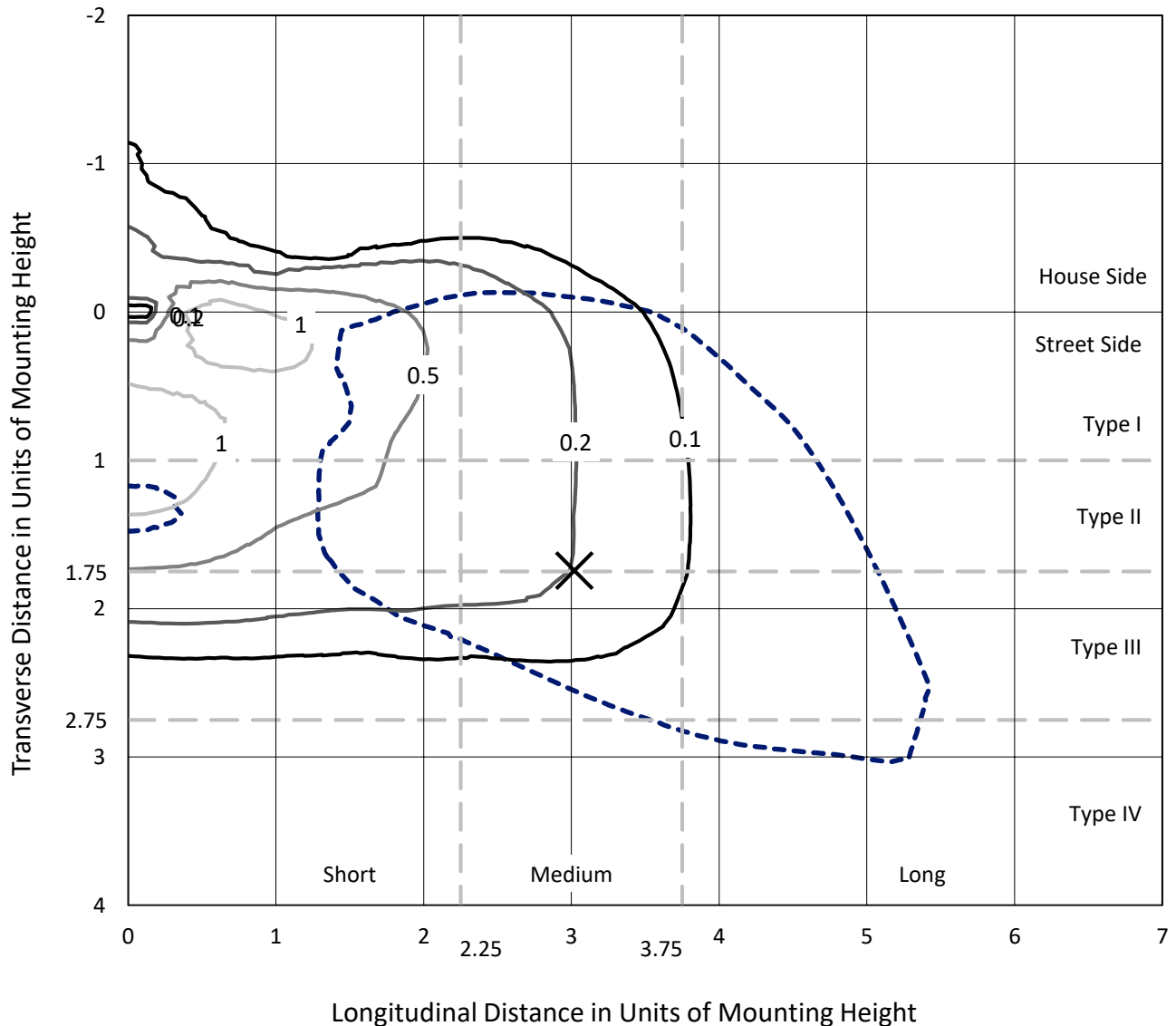
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

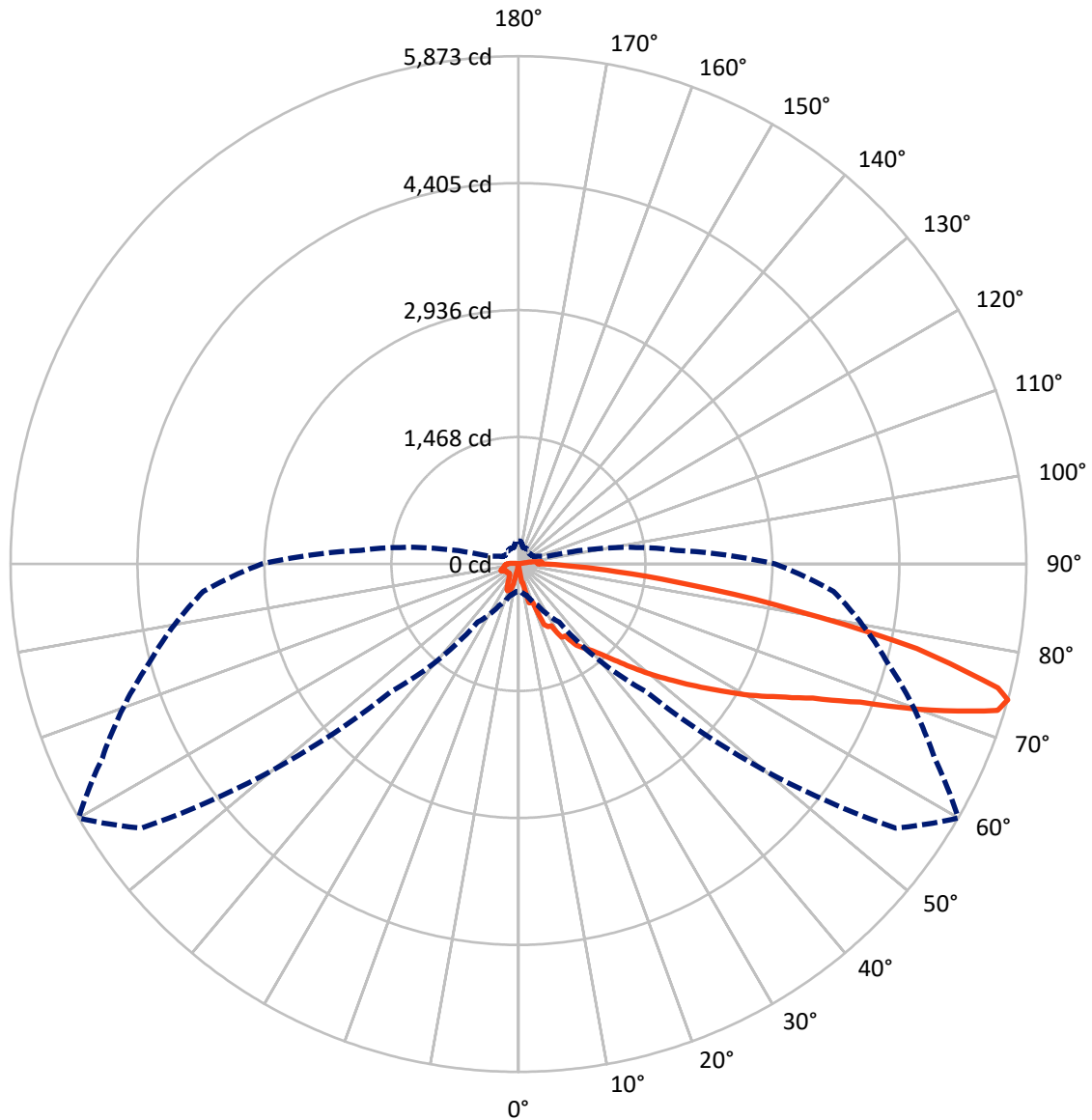


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - Non-Cutoff

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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	1028.7	65.2	1093.9
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	5539.3	69.9	5609.2
	% Fixture	82.6	1.0	83.7
Total	Lumens	6568.0	135.0	6703.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	85.6	1.3
20°-30°	259.2	3.9
30°-40°	518.8	7.7
40°-50°	890.1	13.3
50°-60°	1356.8	20.2
60°-70°	1671.8	24.9
70°-80°	1397.6	20.9
80°-90°	380.6	5.7
90°-100°	98.3	1.5
100°-110°	17.6	0.3
110°-120°	6.5	0.1
120°-130°	5.0	0.1
130°-140°	3.5	0.1
140°-150°	2.8	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6568.0	98.0
0°-180°	6703.0	100.0

Coefficient of Utilization



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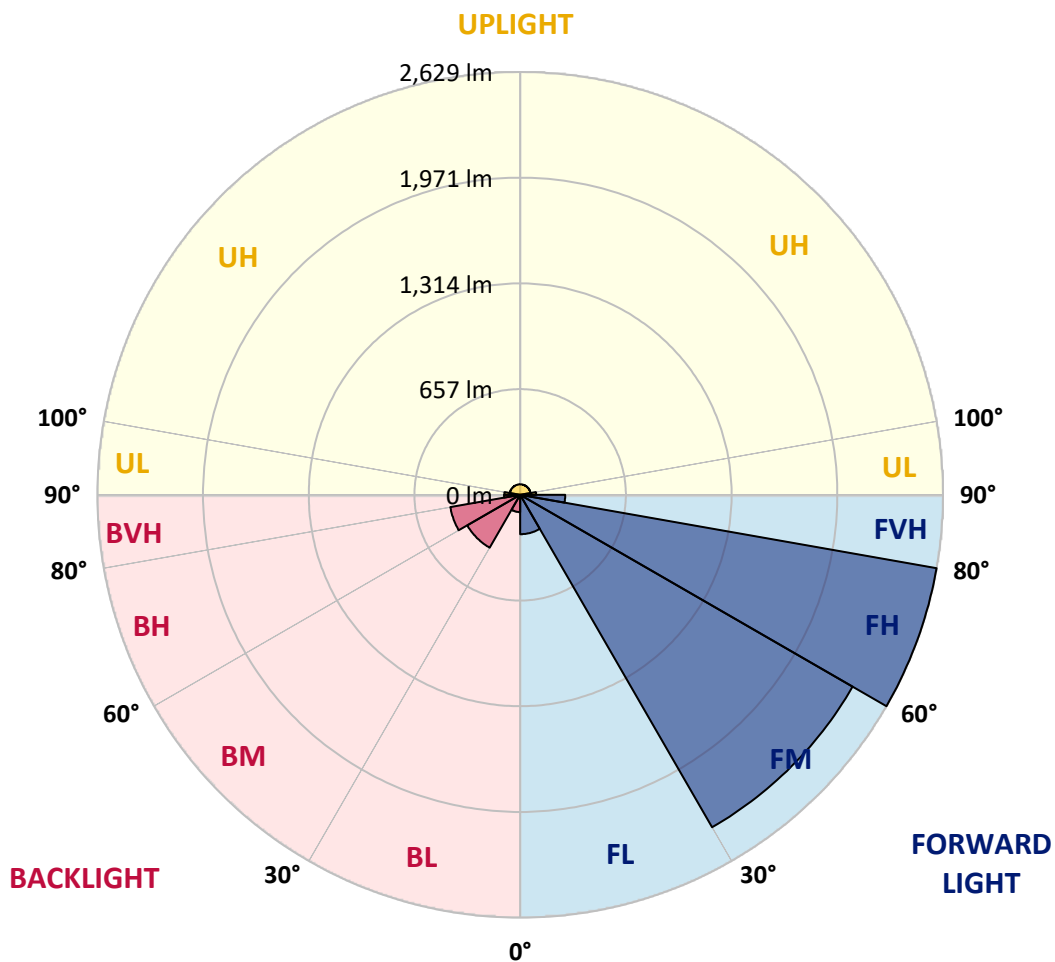
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.8	3.7			
FM	(30°-60°)	2386.2	35.6			
FH	(60°-80°)	2628.5	39.2			G2/5000
FVH	(80°-90°)	279.8	4.2			G3/500
BL	(0°-30°)	107.5	1.6	B0/110		
BM	(30°-60°)	379.5	5.7	B1/1000		
BH	(60°-80°)	440.9	6.6	B1/500		G1/500
BVH	(80°-90°)	100.8	1.5			G2/225
UL	(90°-100°)	98.3	1.5		U3/500	
UH	(100°-180°)	65.2	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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	8.4	7.7	6.9	7.7	8.4	7.7	6.1	5.4	4.6	4.6	4.6
5°	223.4	220.4	218.8	170.6	40.6	25.3	9.9	6.9	6.1	4.6	4.6
7.5°	226.5	223.4	224.2	223.4	219.6	219.6	71.2	26.0	14.5	5.4	5.4
10°	238.7	234.1	228.0	227.3	225.7	223.4	219.6	215.0	49.0	8.4	7.7
12.5°	440.7	438.4	435.4	335.9	243.3	226.5	224.2	218.8	168.3	32.1	148.4
15°	437.7	436.9	431.6	433.9	433.1	246.4	279.3	466.0	447.6	324.4	374.2
17.5°	459.1	456.8	440.7	430.8	431.6	492.0	456.8	459.9	461.4	410.1	401.0
20°	622.9	619.0	617.5	599.9	438.4	577.7	589.2	477.5	488.9	636.6	711.6
22.5°	630.5	625.1	619.0	614.4	691.7	575.4	622.9	760.6	726.1	842.5	794.2
25°	851.6	837.1	776.6	629.0	691.0	662.6	805.7	801.9	759.1	879.2	849.3
27.5°	922.0	912.1	867.7	834.0	704.7	793.5	801.1	809.6	954.9	1212.8	1130.2
30°	1235.0	1157.7	958.0	937.3	840.9	800.4	915.9	981.7	1074.3	1218.2	1195.2
32.5°	1414.0	1376.5	1280.1	1132.5	984.8	875.4	993.2	993.2	1079.7	1472.2	1511.2
35°	1704.0	1583.1	1394.9	1294.7	1123.3	1047.5	1023.8	1153.1	1276.3	1546.4	1544.1
37.5°	1808.9	1797.4	1727.0	1419.4	1320.7	1139.3	1193.7	1233.5	1337.5	1653.5	1648.9
40°	1866.3	1891.5	1896.9	1688.7	1466.8	1316.1	1297.0	1319.2	1419.4	1804.3	1746.1
42.5°	2060.6	2069.8	2098.1	1860.9	1685.7	1508.9	1455.4	1446.2	1515.8	1979.5	1874.7
45°	2374.3	2378.9	2358.3	2059.1	1864.0	1700.2	1640.5	1605.3	1666.5	2153.2	2037.7
47.5°	2734.0	2744.7	2645.2	2283.3	2026.2	1884.6	1852.5	1798.2	1837.2	2310.1	2240.4
50°	3020.1	3017.1	2839.6	2464.6	2189.9	2073.6	2063.7	2013.2	2017.8	2500.6	2459.3
52.5°	3094.4	3089.8	2938.3	2598.5	2339.1	2270.3	2315.4	2237.4	2196.8	2698.0	2686.5
55°	2982.6	2991.1	2919.9	2654.4	2434.0	2443.2	2560.3	2492.9	2437.8	2884.7	2903.1
57.5°	2821.2	2811.2	2822.0	2675.8	2508.2	2612.3	2851.8	2767.6	2714.8	3095.9	3116.5
60°	2522.0	2508.2	2646.7	2652.9	2577.1	2803.6	3161.7	3079.8	3005.6	3318.6	3296.4
62.5°	2066.7	2049.1	2299.3	2512.1	2655.9	3027.8	3467.8	3379.0	3307.1	3555.0	3512.9
65°	1375.8	1459.2	1752.2	2204.5	2626.8	3350.7	3872.5	3739.4	3608.6	3797.6	3789.9
67.5°	798.1	857.8	1072.8	1567.8	2387.3	3626.9	4514.5	4262.0	4036.3	4072.2	4054.6
70°	495.1	513.4	606.8	904.4	1682.6	3535.9	5226.1	5063.1	4584.9	4378.3	4096.0
72.5°	384.1	396.4	449.9	590.7	1023.0	2734.7	5564.3	5793.1	5138.9	4458.7	3892.4
74°	314.5	322.1	378.0	528.7	821.0	2085.1	5324.1	5872.7	5308.8	4419.6	3658.3
75°	248.7	256.3	319.1	507.3	780.5	1663.5	4968.3	5725.0	5314.1	4359.2	3375.9
77.5°	152.3	157.6	172.2	350.4	709.3	950.3	3665.9	4712.7	4709.6	3620.0	2421.0
80°	120.9	122.4	128.5	184.4	577.7	861.6	2321.5	3252.7	3229.0	2173.1	1240.3
82.5°	83.4	89.5	101.8	119.4	307.6	844.0	1463.8	2020.8	1743.1	827.2	518.8
85°	55.9	60.4	77.3	88.8	164.5	898.3	1050.6	1137.0	857.8	409.4	342.0
87.5°	23.0	23.7	35.2	42.8	66.6	430.8	707.0	563.2	394.8	259.4	278.5
90°	12.2	12.2	9.2	9.9	24.5	92.6	231.1	224.2	185.9	213.5	261.7
92.5°	13.8	13.8	9.2	9.9	23.7	72.7	250.2	255.6	213.5	227.3	280.1
95°	15.3	15.3	9.2	9.2	23.0	49.7	240.3	270.1	219.6	238.7	282.3
97.5°	16.8	17.6	8.4	8.4	18.4	37.5	150.7	184.4	143.1	124.0	135.4
100°	17.6	17.6	7.7	7.7	12.2	26.8	69.6	88.8	68.9	32.1	22.2
102.5°	17.6	18.4	7.7	6.9	8.4	16.8	22.2	32.1	25.3	19.1	20.7
105°	16.8	18.4	7.7	6.9	6.9	9.2	11.5	13.0	13.8	13.8	21.4
107.5°	13.0	14.5	6.1	6.9	6.1	6.1	4.6	5.4	6.9	12.2	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.2	9.2	4.6	6.1	5.4	6.1	3.8	4.6	6.1	9.2	17.6
112.5°	4.6	3.8	3.1	4.6	4.6	5.4	3.8	3.8	5.4	7.7	12.2
115°	3.1	3.8	2.3	3.1	3.8	3.8	3.1	3.8	4.6	7.7	13.0
117.5°	3.1	3.1	2.3	3.1	3.8	3.1	3.1	3.8	4.6	7.7	13.0
120°	3.8	3.1	2.3	3.1	3.1	2.3	3.1	3.8	3.8	7.7	13.0
122.5°	3.8	3.8	3.1	3.1	3.1	2.3	3.1	3.1	3.8	7.7	12.2
125°	4.6	3.8	3.1	3.1	3.1	2.3	3.1	3.1	3.8	6.9	11.5
127.5°	4.6	4.6	3.1	3.1	3.8	2.3	3.1	3.1	3.8	6.1	10.7
130°	4.6	4.6	3.8	3.1	3.8	3.1	3.1	3.1	3.8	5.4	9.2
132.5°	4.6	4.6	3.8	3.8	3.8	3.1	3.1	3.1	3.1	4.6	7.7
135°	5.4	4.6	3.8	3.8	4.6	3.1	3.1	3.1	3.1	3.8	5.4
137.5°	5.4	5.4	4.6	4.6	5.4	3.8	3.1	3.8	3.8	3.8	4.6
140°	6.1	6.1	6.1	5.4	5.4	3.8	3.8	3.8	3.8	4.6	4.6
142.5°	7.7	6.9	6.9	6.1	5.4	3.8	3.8	3.8	4.6	4.6	4.6
145°	8.4	8.4	7.7	6.9	5.4	3.8	3.8	4.6	4.6	5.4	5.4
147.5°	8.4	8.4	7.7	6.1	4.6	3.1	3.8	4.6	4.6	5.4	6.1
150°	8.4	7.7	6.9	5.4	3.8	2.3	3.1	3.8	4.6	5.4	6.1
152.5°	6.1	6.1	5.4	3.8	3.1	1.5	2.3	3.1	3.8	4.6	5.4
155°	3.8	3.8	3.1	2.3	2.3	1.5	2.3	3.1	3.1	3.8	4.6
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	3.1	3.1
160°	0.8	0.8	1.5	0.8	1.5	1.5	1.5	2.3	2.3	2.3	2.3
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	4.6	4.6	4.6	3.8	3.8	2.3	3.1	3.1	3.8	4.6	5.4
5°	4.6	5.4	4.6	3.8	3.8	3.1	3.8	3.8	3.8	5.4	5.4
7.5°	5.4	5.4	4.6	4.6	3.8	3.1	5.4	165.3	189.8	195.9	197.4
10°	6.9	6.9	6.1	5.4	4.6	178.3	196.6	196.6	195.1	196.6	196.6
12.5°	152.3	163.7	26.0	13.0	146.9	185.2	180.6	177.5	174.5	171.4	169.9
15°	370.3	358.9	329.0	247.2	228.0	169.9	156.1	216.5	231.1	234.9	234.1
17.5°	391.0	372.6	327.5	343.6	301.5	217.3	195.9	194.4	185.9	185.9	186.7
20°	735.3	693.2	446.9	335.1	261.7	263.2	167.6	149.2	156.1	166.0	172.2
22.5°	755.2	700.1	522.6	436.1	235.7	212.7	163.7	144.6	195.1	215.0	216.5
25°	805.7	717.7	529.5	367.3	266.3	174.5	163.0	150.7	179.1	197.4	195.9
27.5°	1091.1	967.9	672.6	338.2	210.4	164.5	153.8	144.6	178.3	208.1	207.4
30°	1089.6	954.2	621.3	311.4	173.7	153.0	140.0	157.6	166.0	177.5	178.3
32.5°	1414.8	1212.8	679.5	258.6	153.8	132.4	138.5	143.9	150.7	179.8	185.9
35°	1421.7	1186.0	589.9	237.2	141.6	126.3	130.1	142.3	156.9	175.2	176.8
37.5°	1449.2	1172.2	489.7	195.9	145.4	127.8	135.4	149.2	145.4	170.6	173.7
40°	1499.7	1176.1	411.7	175.2	143.1	127.8	141.6	143.9	144.6	157.6	159.2
42.5°	1577.8	1196.7	345.9	166.0	140.8	138.5	137.0	137.7	132.4	158.4	161.5
45°	1688.7	1239.6	295.4	163.0	140.8	161.5	143.1	137.7	126.3	182.1	195.1
47.5°	1852.5	1323.7	265.5	163.7	141.6	154.6	141.6	133.9	131.6	212.7	221.9
50°	2037.7	1420.2	245.6	166.8	141.6	152.3	139.3	137.7	146.1	215.8	218.1
52.5°	2236.6	1548.7	238.7	169.9	152.3	154.6	158.4	157.6	140.8	172.9	172.9
55°	2438.6	1681.8	241.0	173.7	160.7	158.4	169.1	149.2	120.9	128.5	127.0
57.5°	2629.1	1837.2	257.1	171.4	155.3	156.9	170.6	140.0	120.9	128.5	131.6
60°	2835.7	2005.5	301.5	165.3	153.0	152.3	168.3	147.7	120.9	147.7	148.4
62.5°	3087.5	2237.4	397.9	171.4	165.3	156.9	169.1	163.0	138.5	141.6	144.6
65°	3385.1	2476.9	489.7	195.1	174.5	157.6	166.8	171.4	156.9	151.5	150.7
67.5°	3603.2	2535.8	493.5	226.5	186.7	166.0	168.3	186.7	171.4	174.5	172.9
70°	3548.1	2375.1	427.7	239.5	194.4	172.9	172.9	193.6	180.6	207.4	208.1
72.5°	3278.8	2062.1	361.2	221.9	184.4	175.2	192.1	200.5	192.1	249.4	246.4
74°	2969.6	1826.5	332.1	202.0	180.6	174.5	197.4	200.5	198.2	266.3	264.0
75°	2732.4	1641.3	316.0	190.5	178.3	172.2	198.9	201.2	200.5	268.6	267.8
77.5°	1888.4	1108.7	276.2	169.9	174.5	172.2	198.2	205.8	211.2	267.0	264.7
80°	968.7	606.8	230.3	160.7	172.9	176.8	195.9	198.9	207.4	252.5	250.2
82.5°	485.9	349.7	169.1	147.7	175.2	192.1	196.6	192.8	195.1	232.6	228.8
85°	313.0	241.8	112.5	124.0	178.3	208.1	195.9	179.8	182.9	202.8	201.2
87.5°	251.7	179.1	68.9	96.4	189.8	190.5	179.1	159.2	155.3	159.2	156.9
90°	232.6	166.0	58.2	91.1	183.6	159.2	146.1	130.1	116.3	117.1	112.5
92.5°	250.2	173.7	62.0	90.3	146.1	111.7	107.1	98.7	81.9	72.7	68.1
95°	246.4	166.8	62.7	76.5	107.1	63.5	75.8	69.6	50.5	38.3	36.0
97.5°	118.6	84.2	55.9	59.7	62.7	48.2	64.3	58.9	36.7	23.7	22.2
100°	22.2	31.4	49.7	56.6	49.7	37.5	50.5	45.1	19.9	12.2	11.5
102.5°	21.4	17.6	37.5	51.3	31.4	21.4	27.5	25.3	13.0	9.2	9.2
105°	22.2	17.6	17.6	35.2	19.1	9.9	8.4	12.2	9.2	9.2	9.9
107.5°	23.0	17.6	10.7	11.5	9.2	7.7	6.1	6.1	6.9	9.9	10.7



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.4	15.3	9.9	9.2	8.4	7.7	6.1	5.4	6.9	10.7	11.5
112.5°	13.0	12.2	9.2	7.7	6.9	6.9	5.4	4.6	6.9	11.5	12.2
115°	13.0	12.2	7.7	6.9	5.4	6.1	5.4	4.6	6.9	13.0	13.8
117.5°	13.8	11.5	7.7	6.1	4.6	4.6	4.6	4.6	7.7	13.0	13.8
120°	13.8	11.5	7.7	5.4	4.6	3.8	4.6	4.6	7.7	13.0	14.5
122.5°	13.0	11.5	6.9	5.4	4.6	3.8	3.8	3.8	6.9	13.0	13.8
125°	12.2	10.7	6.9	5.4	4.6	3.1	3.8	3.8	6.9	12.2	13.8
127.5°	11.5	9.9	6.9	5.4	3.8	3.1	3.8	3.8	6.9	11.5	13.0
130°	9.9	9.2	6.1	4.6	3.8	3.1	3.8	3.8	6.9	10.7	12.2
132.5°	8.4	7.7	5.4	4.6	3.8	3.1	3.8	3.1	5.4	9.9	10.7
135°	6.1	6.1	5.4	3.8	3.8	2.3	3.1	3.1	4.6	7.7	8.4
137.5°	5.4	5.4	4.6	3.8	3.8	2.3	3.1	2.3	3.8	6.1	6.9
140°	5.4	5.4	4.6	3.8	3.1	2.3	2.3	2.3	3.1	5.4	5.4
142.5°	5.4	5.4	4.6	3.8	3.1	2.3	2.3	2.3	3.1	4.6	5.4
145°	5.4	5.4	5.4	4.6	3.1	2.3	2.3	2.3	3.1	4.6	4.6
147.5°	6.1	6.1	5.4	3.8	3.1	1.5	1.5	2.3	3.1	4.6	4.6
150°	6.1	6.1	5.4	3.8	3.1	1.5	0.8	1.5	2.3	3.8	4.6
152.5°	5.4	5.4	4.6	3.8	2.3	1.5	0.8	1.5	2.3	3.8	3.8
155°	4.6	4.6	3.8	3.1	2.3	0.8	0.0	0.8	1.5	3.1	3.1
157.5°	3.1	3.8	3.1	2.3	1.5	0.8	0.0	0.8	0.8	2.3	2.3
160°	3.1	3.1	3.1	2.3	1.5	0.8	0.0	0.0	0.8	1.5	1.5
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)