

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: P413728

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413728  
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-PA1-100-727-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 7998 lumens  
Efficiency: N/A  
Efficacy: 83.3 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: B2 - U3 - G3

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

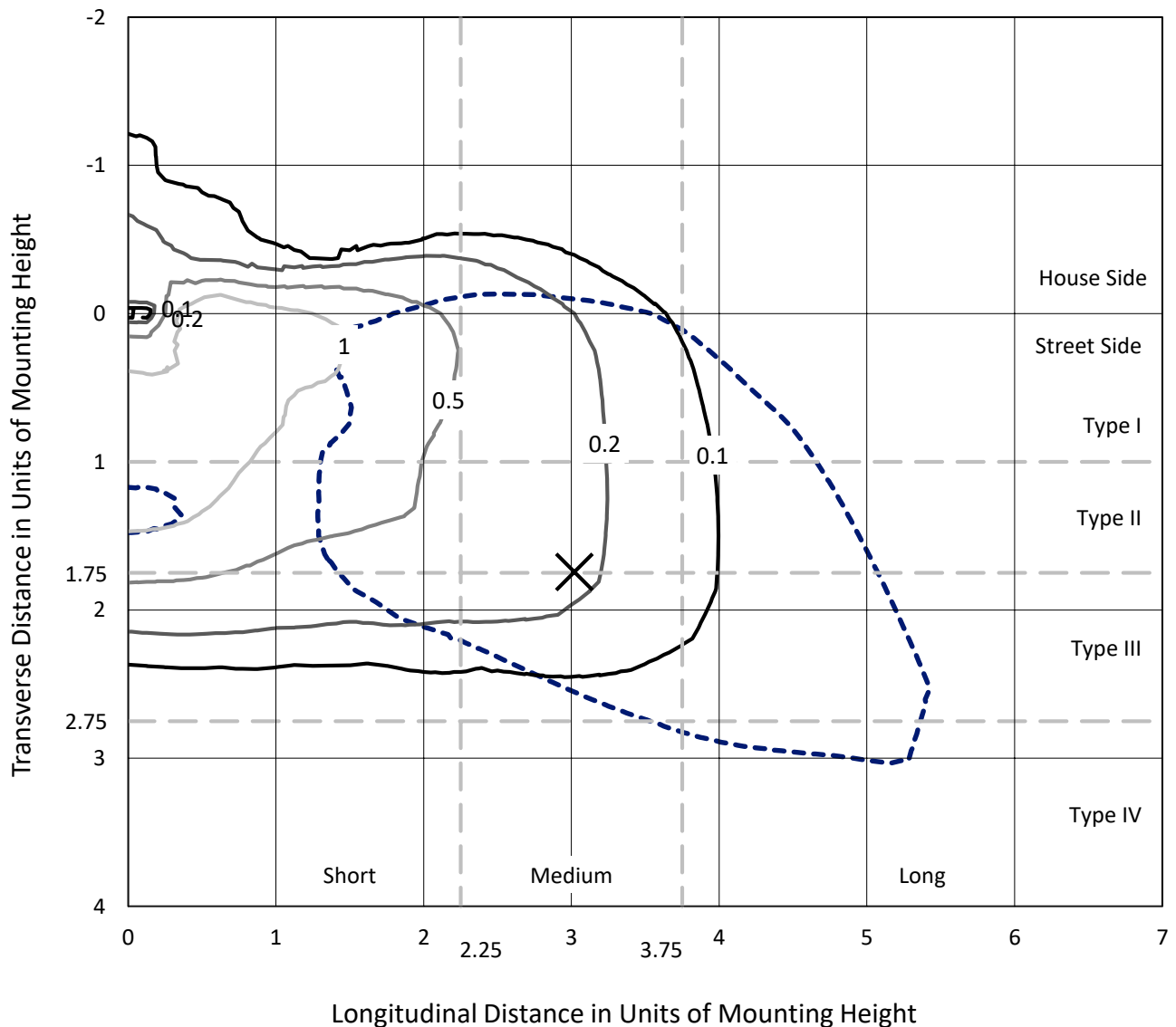


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

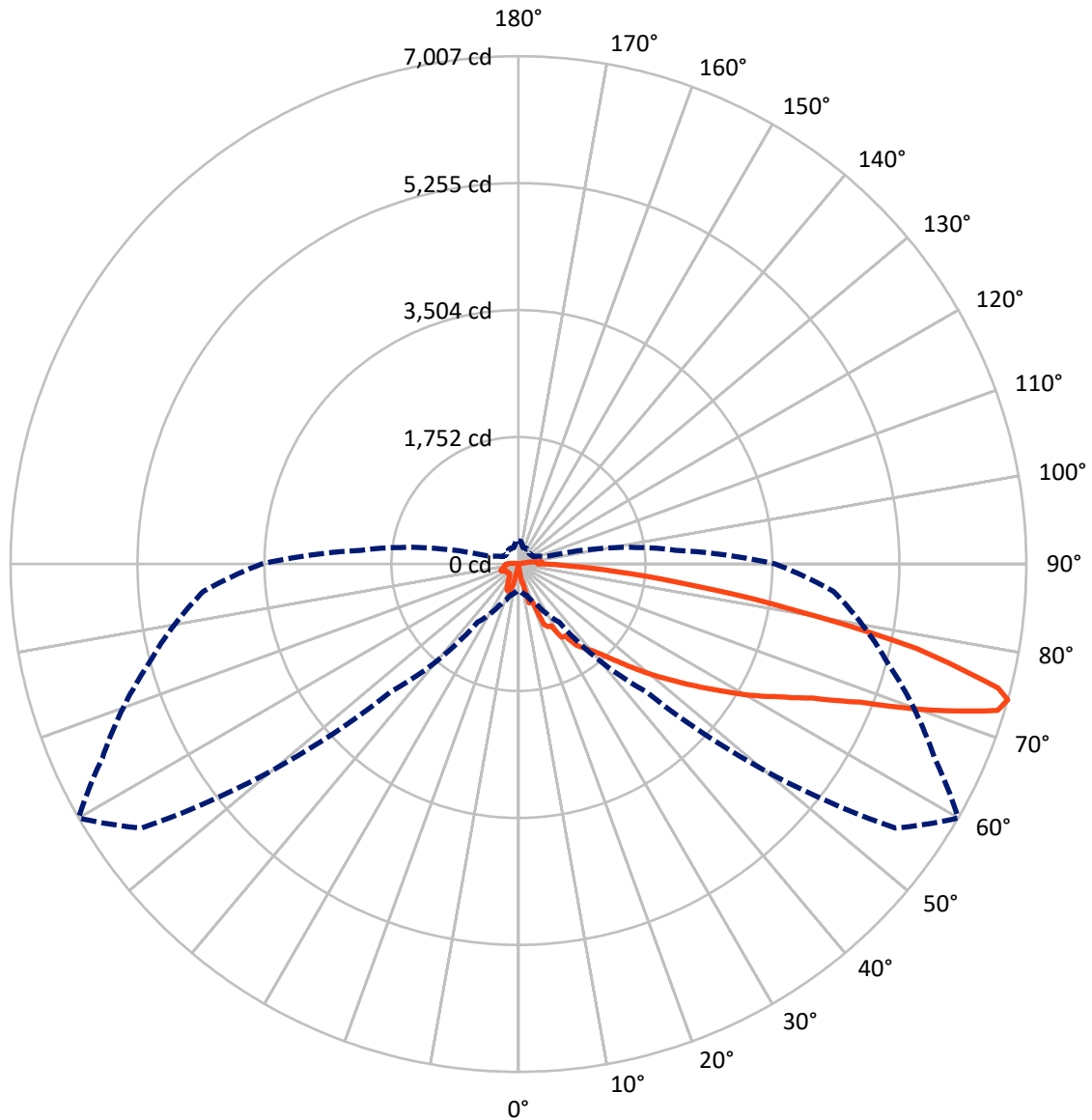


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	1227.5	77.7	1305.2
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	6609.5	83.4	6692.8
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	7836.9	161.1	7998.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	102.2	1.3
20°-30°	309.3	3.9
30°-40°	619.1	7.7
40°-50°	1062.0	13.3
50°-60°	1619.0	20.2
60°-70°	1994.8	24.9
70°-80°	1667.6	20.9
80°-90°	454.2	5.7
90°-100°	117.3	1.5
100°-110°	21.0	0.3
110°-120°	7.8	0.1
120°-130°	5.9	0.1
130°-140°	4.1	0.1
140°-150°	3.3	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7836.9	98.0
0°-180°	7998.0	100.0

**Coefficient of Utilization**



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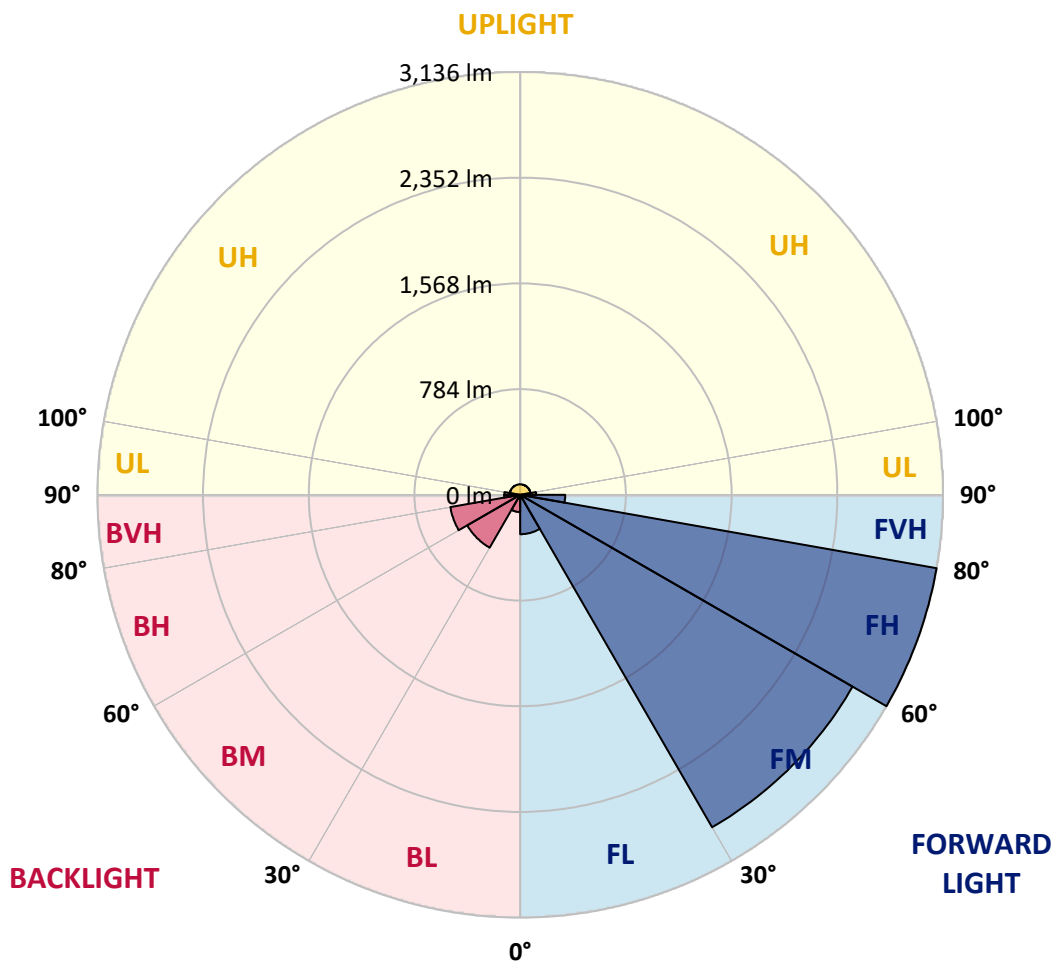
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.1	3.7			
FM	(30°-60°)	2847.2	35.6			
FH	(60°-80°)	3136.4	39.2			G2/5000
FVH	(80°-90°)	333.8	4.2			G3/500
BL	(0°-30°)	128.2	1.6	B1/500		
BM	(30°-60°)	452.8	5.7	B1/1000		
BH	(60°-80°)	526.1	6.6	B2/1000		G2/1000
BVH	(80°-90°)	120.3	1.5			G2/225
UL	(90°-100°)	117.3	1.5		U3/500	
UH	(100°-180°)	77.7	1.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	10.0	9.1	8.2	9.1	10.0	9.1	7.3	6.4	5.5	5.5	5.5
5°	266.6	262.9	261.1	203.6	48.4	30.1	11.9	8.2	7.3	5.5	5.5
7.5°	270.2	266.6	267.5	266.6	262.0	262.0	84.9	31.0	17.3	6.4	6.4
10°	284.9	279.4	272.1	271.2	269.3	266.6	262.0	256.6	58.4	10.0	9.1
12.5°	525.9	523.1	519.5	400.8	290.3	270.2	267.5	261.1	200.9	38.3	177.1
15°	522.2	521.3	514.9	517.7	516.8	294.0	333.2	556.0	534.1	387.1	446.5
17.5°	547.8	545.1	525.9	514.0	514.9	587.1	545.1	548.7	550.5	489.4	478.4
20°	743.2	738.6	736.8	715.8	523.1	689.3	703.0	569.7	583.4	759.6	849.1
22.5°	752.3	745.9	738.6	733.1	825.4	686.6	743.2	907.5	866.4	1005.2	947.7
25°	1016.2	998.8	926.7	750.5	824.4	790.7	961.4	956.8	905.7	1049.0	1013.4
27.5°	1100.2	1088.3	1035.3	995.2	840.9	946.8	955.9	966.0	1139.4	1447.1	1348.5
30°	1473.6	1381.4	1143.1	1118.4	1003.4	955.0	1092.9	1171.4	1281.9	1453.5	1426.1
32.5°	1687.2	1642.5	1527.5	1351.2	1175.0	1044.5	1185.1	1185.1	1288.2	1756.6	1803.2
35°	2033.3	1889.0	1664.4	1544.8	1340.3	1249.9	1221.6	1375.9	1522.9	1845.2	1842.4
37.5°	2158.3	2144.6	2060.6	1693.6	1575.8	1359.5	1424.3	1471.8	1595.9	1973.0	1967.5
40°	2226.8	2256.9	2263.3	2015.0	1750.2	1570.4	1547.5	1574.0	1693.6	2152.9	2083.5
42.5°	2458.7	2469.7	2503.4	2220.4	2011.3	1800.4	1736.5	1725.6	1808.7	2361.9	2236.9
45°	2833.0	2838.5	2813.9	2456.9	2224.1	2028.7	1957.5	1915.5	1988.5	2569.2	2431.3
47.5°	3262.2	3274.9	3156.2	2724.4	2417.6	2248.7	2210.4	2145.6	2192.1	2756.4	2673.3
50°	3603.6	3600.0	3388.1	2940.8	2613.0	2474.2	2462.4	2402.1	2407.6	2983.7	2934.4
52.5°	3692.2	3686.7	3505.9	3100.6	2791.0	2708.9	2762.7	2669.6	2621.2	3219.2	3205.5
55°	3558.9	3568.9	3484.0	3167.2	2904.3	2915.2	3054.9	2974.6	2908.8	3442.0	3463.9
57.5°	3366.2	3354.4	3367.1	3192.8	2992.8	3117.0	3402.8	3302.3	3239.3	3694.0	3718.7
60°	3009.3	2992.8	3158.1	3165.4	3075.0	3345.2	3772.5	3674.8	3586.3	3959.7	3933.2
62.5°	2466.0	2445.0	2743.6	2997.4	3169.0	3612.7	4137.7	4031.8	3946.0	4241.8	4191.6
65°	1641.6	1741.1	2090.8	2630.4	3134.3	3998.0	4620.7	4461.8	4305.7	4531.2	4522.1
67.5°	952.3	1023.5	1280.0	1870.7	2848.6	4327.6	5386.7	5085.4	4816.1	4859.0	4838.0
70°	590.7	612.6	724.0	1079.2	2007.7	4219.0	6235.8	6041.3	5470.7	5224.2	4887.3
72.5°	458.3	472.9	536.8	704.8	1220.7	3263.1	6639.3	6912.3	6131.7	5320.1	4644.4
74°	375.2	384.4	451.0	630.9	979.7	2487.9	6352.7	7007.3	6334.4	5273.5	4365.1
75°	296.7	305.9	380.7	605.3	931.3	1984.9	5928.1	6831.1	6340.8	5201.4	4028.2
77.5°	181.7	188.1	205.4	418.2	846.4	1133.9	4374.2	5623.2	5619.5	4319.4	2888.7
80°	144.3	146.1	153.4	220.0	689.3	1028.0	2770.0	3881.2	3852.9	2592.9	1480.0
82.5°	99.5	106.8	121.4	142.4	367.0	1007.0	1746.6	2411.2	2079.8	987.0	619.0
85°	66.6	72.1	92.2	105.9	196.3	1071.9	1253.6	1356.7	1023.5	488.5	408.1
87.5°	27.4	28.3	42.0	51.1	79.4	514.0	843.6	672.0	471.1	309.5	332.3
90°	14.6	14.6	11.0	11.9	29.2	110.5	275.7	267.5	221.9	254.7	312.2
92.5°	16.4	16.4	11.0	11.9	28.3	86.7	298.6	304.9	254.7	271.2	334.2
95°	18.3	18.3	11.0	11.0	27.4	59.3	286.7	322.3	262.0	284.9	336.9
97.5°	20.1	21.0	10.0	10.0	21.9	44.7	179.9	220.0	170.7	147.9	161.6
100°	21.0	21.0	9.1	9.1	14.6	32.0	83.1	105.9	82.2	38.3	26.5
102.5°	21.0	21.9	9.1	8.2	10.0	20.1	26.5	38.3	30.1	22.8	24.7
105°	20.1	21.9	9.1	8.2	8.2	11.0	13.7	15.5	16.4	16.4	25.6
107.5°	15.5	17.3	7.3	8.2	7.3	7.3	5.5	6.4	8.2	14.6	25.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.0	11.0	5.5	7.3	6.4	7.3	4.6	5.5	7.3	11.0	21.0
112.5°	5.5	4.6	3.7	5.5	5.5	6.4	4.6	4.6	6.4	9.1	14.6
115°	3.7	4.6	2.7	3.7	4.6	4.6	3.7	4.6	5.5	9.1	15.5
117.5°	3.7	3.7	2.7	3.7	4.6	3.7	3.7	4.6	5.5	9.1	15.5
120°	4.6	3.7	2.7	3.7	3.7	2.7	3.7	4.6	4.6	9.1	15.5
122.5°	4.6	4.6	3.7	3.7	3.7	2.7	3.7	3.7	4.6	9.1	14.6
125°	5.5	4.6	3.7	3.7	3.7	2.7	3.7	3.7	4.6	8.2	13.7
127.5°	5.5	5.5	3.7	3.7	4.6	2.7	3.7	3.7	4.6	7.3	12.8
130°	5.5	5.5	4.6	3.7	4.6	3.7	3.7	3.7	4.6	6.4	11.0
132.5°	5.5	5.5	4.6	4.6	4.6	3.7	3.7	3.7	3.7	5.5	9.1
135°	6.4	5.5	4.6	4.6	5.5	3.7	3.7	3.7	3.7	4.6	6.4
137.5°	6.4	6.4	5.5	5.5	6.4	4.6	3.7	4.6	4.6	4.6	5.5
140°	7.3	7.3	7.3	6.4	6.4	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	9.1	8.2	8.2	7.3	6.4	4.6	4.6	4.6	5.5	5.5	5.5
145°	10.0	10.0	9.1	8.2	6.4	4.6	4.6	5.5	5.5	6.4	6.4
147.5°	10.0	10.0	9.1	7.3	5.5	3.7	4.6	5.5	5.5	6.4	7.3
150°	10.0	9.1	8.2	6.4	4.6	2.7	3.7	4.6	5.5	6.4	7.3
152.5°	7.3	7.3	6.4	4.6	3.7	1.8	2.7	3.7	4.6	5.5	6.4
155°	4.6	4.6	3.7	2.7	2.7	1.8	2.7	3.7	3.7	4.6	5.5
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.7	3.7
160°	0.9	0.9	1.8	0.9	1.8	1.8	1.8	2.7	2.7	2.7	2.7
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	5.5	5.5	5.5	4.6	4.6	2.7	3.7	3.7	4.6	5.5	6.4
5°	5.5	6.4	5.5	4.6	4.6	3.7	4.6	4.6	4.6	6.4	6.4
7.5°	6.4	6.4	5.5	5.5	4.6	3.7	6.4	197.2	226.4	233.7	235.6
10°	8.2	8.2	7.3	6.4	5.5	212.7	234.6	234.6	232.8	234.6	234.6
12.5°	181.7	195.4	31.0	15.5	175.3	220.9	215.5	211.8	208.2	204.5	202.7
15°	441.9	428.2	392.6	294.9	272.1	202.7	186.3	258.4	275.7	280.3	279.4
17.5°	466.5	444.6	390.8	409.9	359.7	259.3	233.7	231.9	221.9	221.9	222.8
20°	877.4	827.2	533.2	399.9	312.2	314.1	199.9	178.0	186.3	198.1	205.4
22.5°	901.1	835.4	623.6	520.4	281.2	253.8	195.4	172.6	232.8	256.6	258.4
25°	961.4	856.4	631.8	438.2	317.7	208.2	194.5	179.9	213.6	235.6	233.7
27.5°	1301.9	1154.9	802.5	403.5	251.1	196.3	183.5	172.6	212.7	248.3	247.4
30°	1300.1	1138.5	741.4	371.6	207.3	182.6	167.1	188.1	198.1	211.8	212.7
32.5°	1688.1	1447.1	810.7	308.6	183.5	157.9	165.3	171.6	179.9	214.6	221.9
35°	1696.4	1415.2	703.9	283.0	168.9	150.6	155.2	169.8	187.2	209.1	210.9
37.5°	1729.2	1398.7	584.3	233.7	173.5	152.5	161.6	178.0	173.5	203.6	207.3
40°	1789.5	1403.3	491.2	209.1	170.7	152.5	168.9	171.6	172.6	188.1	189.9
42.5°	1882.6	1427.9	412.7	198.1	168.0	165.3	163.4	164.3	157.9	189.0	192.6
45°	2015.0	1479.1	352.4	194.5	168.0	192.6	170.7	164.3	150.6	217.3	232.8
47.5°	2210.4	1579.5	316.8	195.4	168.9	184.4	168.9	159.8	157.0	253.8	264.8
50°	2431.3	1694.5	293.1	199.0	168.9	181.7	166.2	164.3	174.4	257.5	260.2
52.5°	2668.7	1847.9	284.9	202.7	181.7	184.4	189.0	188.1	168.0	206.3	206.3
55°	2909.7	2006.8	287.6	207.3	191.7	189.0	201.8	178.0	144.3	153.4	151.6
57.5°	3137.1	2192.1	306.8	204.5	185.3	187.2	203.6	167.1	144.3	153.4	157.0
60°	3383.6	2393.0	359.7	197.2	182.6	181.7	200.9	176.2	144.3	176.2	177.1
62.5°	3684.0	2669.6	474.8	204.5	197.2	187.2	201.8	194.5	165.3	168.9	172.6
65°	4039.1	2955.4	584.3	232.8	208.2	188.1	199.0	204.5	187.2	180.8	179.9
67.5°	4299.3	3025.7	588.9	270.2	222.8	198.1	200.9	222.8	204.5	208.2	206.3
70°	4233.6	2834.0	510.4	285.8	231.9	206.3	206.3	231.0	215.5	247.4	248.3
72.5°	3912.2	2460.5	430.9	264.8	220.0	209.1	229.2	239.2	229.2	297.6	294.0
74°	3543.4	2179.3	396.2	241.0	215.5	208.2	235.6	239.2	236.5	317.7	315.0
75°	3260.3	1958.4	377.1	227.3	212.7	205.4	237.4	240.1	239.2	320.5	319.6
77.5°	2253.3	1322.9	329.6	202.7	208.2	205.4	236.5	245.6	252.0	318.6	315.9
80°	1155.9	724.0	274.8	191.7	206.3	210.9	233.7	237.4	247.4	301.3	298.6
82.5°	579.8	417.2	201.8	176.2	209.1	229.2	234.6	230.1	232.8	277.6	273.0
85°	373.4	288.5	134.2	147.9	212.7	248.3	233.7	214.6	218.2	241.9	240.1
87.5°	300.4	213.6	82.2	115.0	226.4	227.3	213.6	189.9	185.3	189.9	187.2
90°	277.6	198.1	69.4	108.6	219.1	189.9	174.4	155.2	138.8	139.7	134.2
92.5°	298.6	207.3	74.0	107.7	174.4	133.3	127.8	117.8	97.7	86.7	81.3
95°	294.0	199.0	74.9	91.3	127.8	75.8	90.4	83.1	60.3	45.7	42.9
97.5°	141.5	100.4	66.6	71.2	74.9	57.5	76.7	70.3	43.8	28.3	26.5
100°	26.5	37.4	59.3	67.6	59.3	44.7	60.3	53.9	23.7	14.6	13.7
102.5°	25.6	21.0	44.7	61.2	37.4	25.6	32.9	30.1	15.5	11.0	11.0
105°	26.5	21.0	21.0	42.0	22.8	11.9	10.0	14.6	11.0	11.0	11.9
107.5°	27.4	21.0	12.8	13.7	11.0	9.1	7.3	7.3	8.2	11.9	12.8



REPORT NUMBER: P413728

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.9	18.3	11.9	11.0	10.0	9.1	7.3	6.4	8.2	12.8	13.7
112.5°	15.5	14.6	11.0	9.1	8.2	8.2	6.4	5.5	8.2	13.7	14.6
115°	15.5	14.6	9.1	8.2	6.4	7.3	6.4	5.5	8.2	15.5	16.4
117.5°	16.4	13.7	9.1	7.3	5.5	5.5	5.5	5.5	9.1	15.5	16.4
120°	16.4	13.7	9.1	6.4	5.5	4.6	5.5	5.5	9.1	15.5	17.3
122.5°	15.5	13.7	8.2	6.4	5.5	4.6	4.6	4.6	8.2	15.5	16.4
125°	14.6	12.8	8.2	6.4	5.5	3.7	4.6	4.6	8.2	14.6	16.4
127.5°	13.7	11.9	8.2	6.4	4.6	3.7	4.6	4.6	8.2	13.7	15.5
130°	11.9	11.0	7.3	5.5	4.6	3.7	4.6	4.6	8.2	12.8	14.6
132.5°	10.0	9.1	6.4	5.5	4.6	3.7	4.6	3.7	6.4	11.9	12.8
135°	7.3	7.3	6.4	4.6	4.6	2.7	3.7	3.7	5.5	9.1	10.0
137.5°	6.4	6.4	5.5	4.6	4.6	2.7	3.7	2.7	4.6	7.3	8.2
140°	6.4	6.4	5.5	4.6	3.7	2.7	2.7	2.7	3.7	6.4	6.4
142.5°	6.4	6.4	5.5	4.6	3.7	2.7	2.7	2.7	3.7	5.5	6.4
145°	6.4	6.4	6.4	5.5	3.7	2.7	2.7	2.7	3.7	5.5	5.5
147.5°	7.3	7.3	6.4	4.6	3.7	1.8	1.8	2.7	3.7	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.7	1.8	0.9	1.8	2.7	4.6	5.5
152.5°	6.4	6.4	5.5	4.6	2.7	1.8	0.9	1.8	2.7	4.6	4.6
155°	5.5	5.5	4.6	3.7	2.7	0.9	0.0	0.9	1.8	3.7	3.7
157.5°	3.7	4.6	3.7	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
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)