

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: P414237

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2363 lumens
Efficiency: N/A
Efficacy: 112.5 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 - U2 - G2

Input Watts (W): 21
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

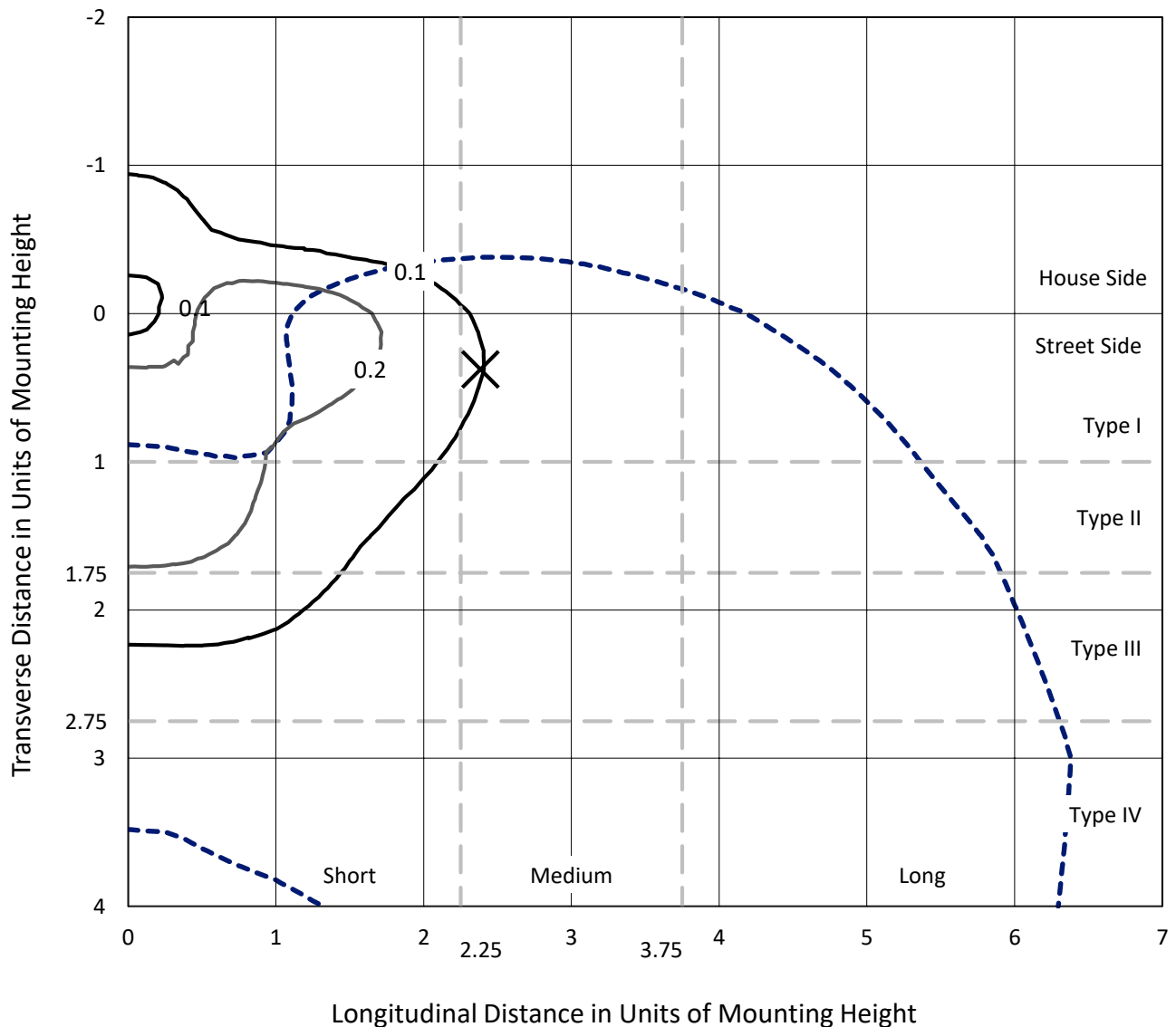


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

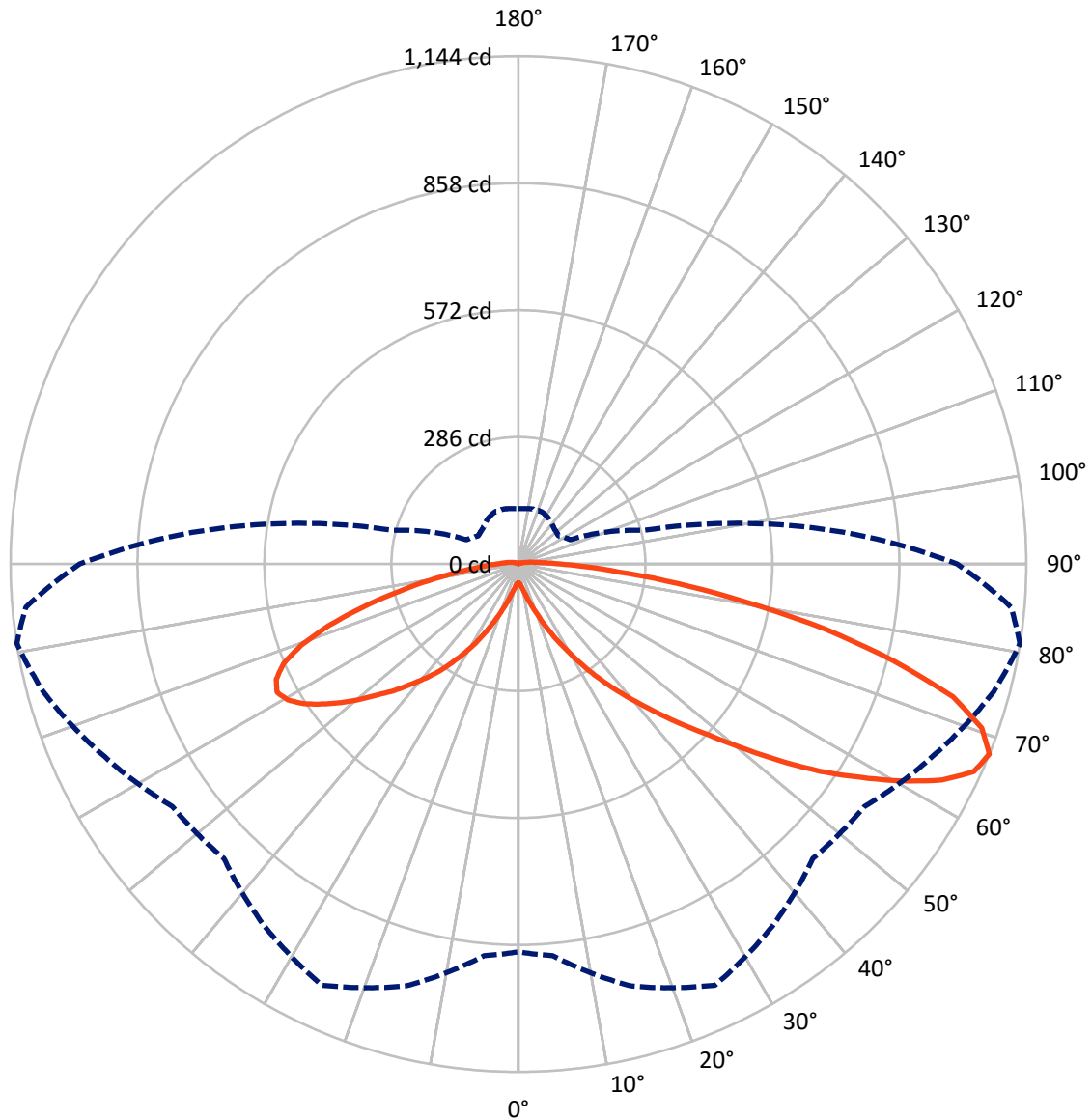


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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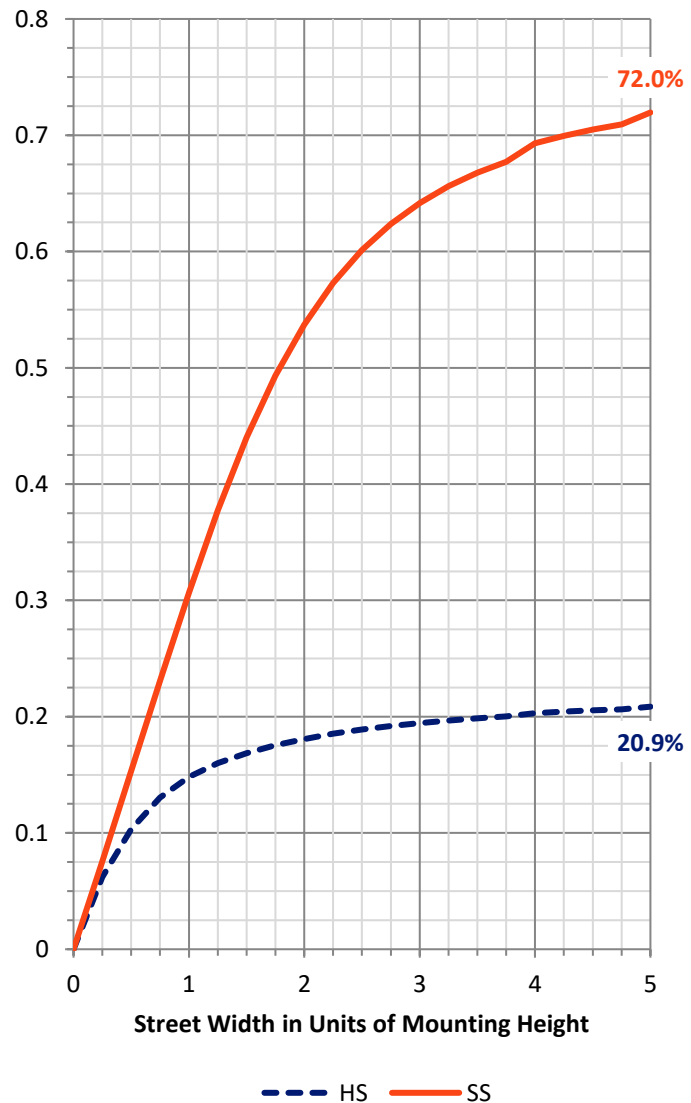
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.3	36.8	554.0
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	1762.7	46.2	1808.9
	% Fixture	74.6	2.0	76.6
Total	Lumens	2279.9	83.0	2363.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	24.4	1.0
20°-30°	72.8	3.1
30°-40°	158.0	6.7
40°-50°	277.0	11.7
50°-60°	439.0	18.6
60°-70°	592.4	25.1
70°-80°	508.3	21.5
80°-90°	203.3	8.6
90°-100°	49.5	2.1
100°-110°	17.4	0.7
110°-120°	8.0	0.3
120°-130°	4.3	0.2
130°-140°	2.4	0.1
140°-150°	1.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2279.9	96.5
0°-180°	2363.0	100.0



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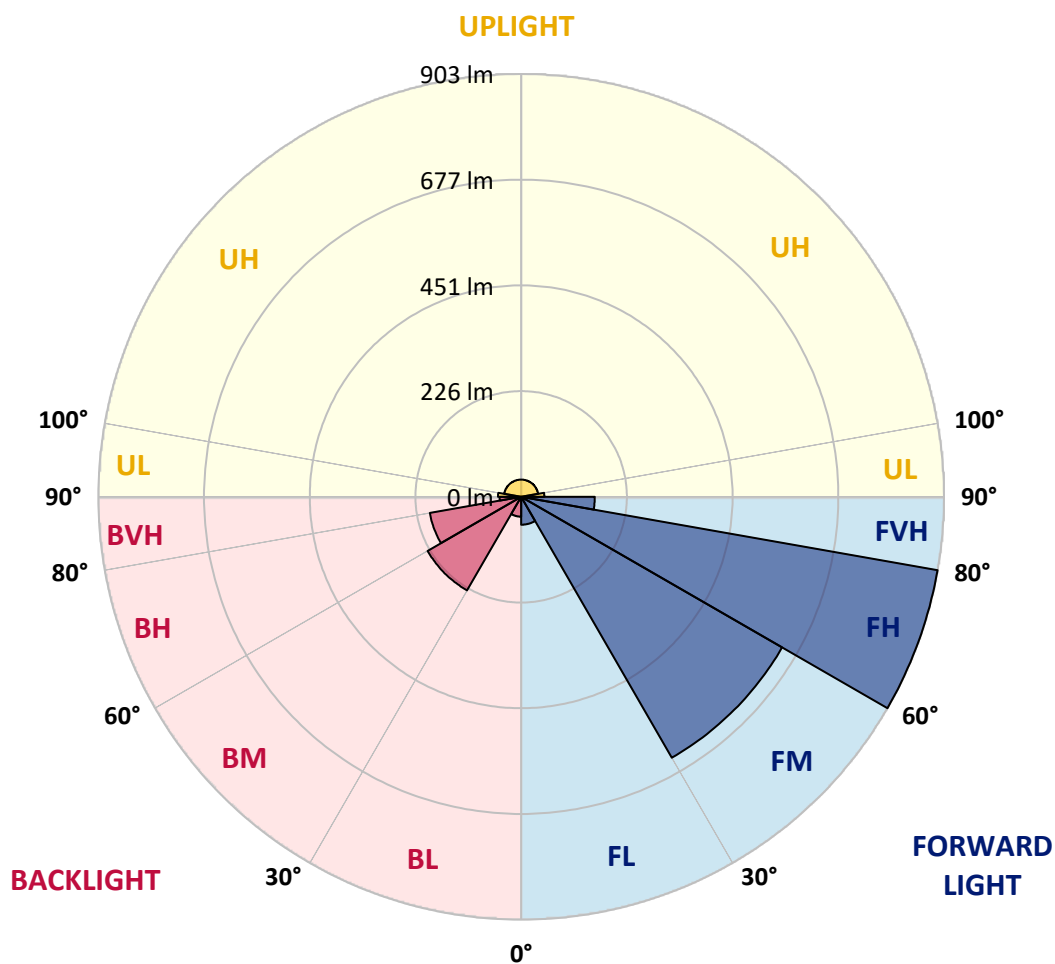
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.6	2.5			
FM	(30°-60°)	643.2	27.2			
FH	(60°-80°)	902.7	38.2			G1/1800
FVH	(80°-90°)	157.2	6.7			G2/225
BL	(0°-30°)	42.4	1.8	B0/110		
BM	(30°-60°)	230.7	9.8	B1/1000		
BH	(60°-80°)	197.9	8.4	B1/500		G1/500
BVH	(80°-90°)	46.2	2.0			G1/100
UL	(90°-100°)	49.5	2.1		U2/50	
UH	(100°-180°)	36.8	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2.5°	46.4	46.1	46.1	46.4	46.4	46.4	45.6	44.7	43.9	43.6	43.4
5°	52.7	52.1	52.1	52.1	51.9	51.0	49.9	48.9	47.8	47.2	46.7
7.5°	60.9	60.7	60.4	59.6	59.3	57.9	56.3	54.6	53.0	52.4	51.9
10°	72.2	71.9	70.5	70.3	68.9	67.5	65.0	62.6	60.4	59.6	58.7
12.5°	86.4	86.4	84.5	82.3	80.7	77.9	75.7	72.7	71.1	70.0	68.9
15°	105.1	104.0	101.5	99.1	94.7	91.4	88.1	86.4	85.4	84.0	82.3
17.5°	125.7	124.3	122.1	117.2	111.4	106.8	103.7	102.1	101.5	100.7	98.8
20°	150.4	148.7	145.7	138.0	131.7	125.4	121.9	121.0	121.6	120.2	118.3
22.5°	179.8	178.7	172.3	162.7	154.0	145.2	141.9	142.4	143.5	145.5	144.4
25°	213.2	210.5	204.5	190.7	176.2	167.7	164.4	166.9	171.8	174.5	172.3
27.5°	252.2	250.6	238.5	220.6	201.7	190.2	187.7	194.9	203.4	205.6	205.6
30°	293.4	294.5	276.9	255.8	231.9	216.0	213.0	223.1	237.7	239.0	242.6
32.5°	345.5	343.6	325.2	290.6	262.4	241.8	239.9	254.1	272.5	279.7	279.7
35°	400.1	398.2	375.7	334.8	295.6	269.0	270.3	285.4	310.4	319.4	320.8
37.5°	463.0	456.7	432.2	381.5	331.8	300.5	298.0	320.8	350.2	363.1	363.1
40°	532.1	528.6	494.5	434.4	368.8	333.2	331.2	357.6	393.3	407.5	410.3
42.5°	599.4	594.7	563.2	485.8	411.7	367.7	368.0	396.8	437.7	457.5	461.1
45°	670.5	666.1	631.5	548.9	458.0	410.6	407.3	443.2	492.1	514.0	518.1
47.5°	733.6	730.6	700.6	611.7	515.7	456.4	452.0	493.4	550.0	574.4	586.8
50°	802.2	798.3	770.4	678.7	573.0	505.2	505.0	549.4	620.2	649.9	660.0
52.5°	857.9	853.5	834.0	745.9	629.8	562.3	557.7	612.3	693.0	735.5	740.4
55°	909.2	907.6	901.0	818.1	699.0	618.3	621.3	686.1	775.8	823.9	831.3
57.5°	946.3	948.5	951.5	890.6	766.8	680.9	686.4	760.2	862.0	906.8	916.9
60°	971.5	979.2	999.2	953.7	835.9	749.2	758.6	833.5	944.9	992.7	1000.9
62.5°	973.4	981.7	1028.3	1012.7	902.4	819.2	829.9	908.9	1019.0	1072.0	1072.8
65°	936.9	948.2	1022.8	1044.5	960.8	886.2	895.8	976.2	1081.0	1127.9	1110.9
67.5°	874.1	885.9	984.7	1047.3	997.0	938.3	952.0	1028.3	1109.0	1144.4	1114.2
70°	783.0	794.5	898.5	1005.8	1003.6	969.0	987.2	1049.7	1103.8	1107.4	1064.8
72.5°	663.3	662.2	774.5	915.3	967.1	966.6	995.4	1033.5	1044.2	1024.2	961.1
75°	508.0	522.3	624.6	784.4	884.0	922.9	952.0	966.6	935.8	873.8	805.5
77.5°	363.9	375.7	468.7	618.3	760.5	832.4	864.5	857.6	781.3	708.6	630.1
80°	241.0	247.8	325.5	461.6	613.1	696.5	735.2	708.9	612.0	519.0	451.2
82.5°	144.6	155.9	204.7	324.4	454.7	550.5	574.1	530.2	436.9	361.2	311.5
85°	87.5	90.0	127.3	207.5	317.5	396.0	418.5	371.3	287.3	225.6	187.2
87.5°	49.1	53.5	78.8	135.0	213.5	275.0	282.9	244.5	180.3	140.0	117.2
90°	28.8	31.8	48.3	83.7	136.1	177.8	180.0	147.9	106.8	84.3	74.9
92.5°	18.4	20.6	32.1	53.8	87.5	115.5	112.5	91.4	68.3	56.3	48.6
95°	13.2	14.3	22.5	37.0	58.7	72.7	71.6	57.4	45.8	39.2	35.7
97.5°	9.9	11.0	17.6	27.2	39.5	48.9	47.8	38.1	31.8	28.8	27.4
100°	8.2	8.8	14.3	21.4	29.4	35.1	34.6	28.3	23.9	21.7	21.1
102.5°	7.1	7.7	11.8	17.3	23.3	27.2	26.1	22.0	18.1	16.2	15.6
105°	6.3	6.6	10.2	14.8	19.2	21.4	21.1	17.6	14.0	12.1	11.8
107.5°	5.8	6.0	8.8	12.6	16.2	18.1	17.6	14.3	10.7	9.3	9.1
110°	5.2	5.5	7.7	11.0	13.7	15.4	14.5	11.8	8.5	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	4.9	4.9	6.9	9.3	11.8	13.2	12.3	9.6	6.6	5.8	6.0
115°	4.7	4.7	6.0	8.2	10.4	11.5	10.4	8.0	5.5	4.9	4.9
117.5°	4.4	4.4	5.5	7.4	9.3	10.2	9.1	6.9	4.7	4.1	4.4
120°	4.1	4.4	5.2	6.6	8.2	8.8	8.0	5.8	3.8	3.8	4.1
122.5°	4.1	4.1	4.9	6.0	7.4	7.7	6.9	4.9	3.6	3.6	3.6
125°	4.1	4.1	4.7	5.5	6.6	6.9	5.8	4.1	3.3	3.3	3.3
127.5°	4.1	4.1	4.4	5.2	5.8	6.0	5.2	3.8	3.0	3.0	3.3
130°	3.8	4.1	4.1	4.7	5.2	5.2	4.4	3.3	2.7	2.7	3.0
132.5°	3.8	3.8	4.1	4.4	4.7	4.7	3.8	3.0	2.5	2.7	2.7
135°	3.8	3.8	3.8	4.1	4.4	4.1	3.3	2.5	2.2	2.5	2.5
137.5°	3.6	3.6	3.6	3.8	3.8	3.6	3.0	2.2	2.2	2.2	2.2
140°	3.3	3.3	3.3	3.3	3.6	3.3	2.5	1.9	1.9	1.9	1.9
142.5°	3.0	3.0	3.0	3.0	3.0	2.7	2.2	1.6	1.6	1.6	1.6
145°	2.7	2.7	2.7	2.7	2.5	2.2	1.6	1.4	1.4	1.6	1.6
147.5°	2.2	2.2	2.2	2.2	2.2	1.9	1.4	1.1	1.4	1.4	1.4
150°	1.9	1.9	1.9	1.9	1.6	1.6	1.1	1.1	1.1	1.4	1.4
152.5°	1.4	1.4	1.4	1.6	1.4	1.1	0.8	0.8	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	0.8	0.5	0.8	1.1	1.1	1.1
157.5°	0.5	0.8	0.8	0.8	0.8	0.8	0.5	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.5	0.8	0.8	0.5	0.5	0.8	0.8	0.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
2.5°	43.4	43.1	42.8	42.5	42.3	42.3	42.0	41.7	41.4	41.2	41.2
5°	46.4	45.8	45.0	44.5	43.9	43.9	43.4	43.1	42.5	42.3	42.3
7.5°	51.0	50.8	49.1	48.3	47.5	47.2	46.7	46.1	45.6	45.6	45.6
10°	57.9	57.1	55.7	53.5	52.7	52.1	51.3	50.8	50.8	51.0	51.0
12.5°	68.3	66.1	64.2	61.2	59.6	58.5	57.9	58.2	59.6	60.1	59.6
15°	80.4	79.9	75.2	70.8	67.5	65.3	66.7	68.3	70.3	70.8	71.6
17.5°	97.2	95.2	88.9	82.6	76.6	75.5	77.1	79.9	82.1	83.7	85.1
20°	117.2	113.9	106.2	95.2	88.4	86.7	87.8	91.7	95.8	99.1	99.3
22.5°	142.4	137.5	123.8	110.1	99.9	97.2	98.5	104.6	110.6	114.7	114.4
25°	169.9	163.8	145.5	125.7	111.7	106.8	109.2	117.2	125.7	130.6	131.2
27.5°	200.6	194.6	169.1	140.8	122.4	115.0	119.1	128.2	139.7	145.7	146.8
30°	236.8	228.6	192.7	157.0	132.3	122.7	126.5	138.3	150.9	159.4	160.5
32.5°	274.4	261.5	216.3	170.2	139.1	127.6	132.0	145.7	160.3	169.6	171.3
35°	313.4	297.5	240.1	181.4	144.1	130.6	135.0	150.4	165.8	175.9	177.3
37.5°	357.3	336.2	261.8	189.9	146.8	131.5	135.8	151.2	166.9	176.7	178.1
40°	401.5	373.2	279.9	195.1	147.1	130.6	134.2	149.0	163.8	172.3	173.7
42.5°	449.0	412.2	298.0	196.5	145.7	128.4	131.5	144.6	157.3	163.8	164.7
45°	502.2	457.2	313.4	195.4	141.9	125.1	127.3	138.6	148.5	151.5	152.9
47.5°	558.5	501.7	325.2	192.1	138.0	121.6	122.9	132.3	138.6	138.9	139.1
50°	627.1	555.7	339.8	187.4	132.8	118.3	119.1	126.5	129.5	128.2	127.6
52.5°	702.3	613.6	349.1	180.0	128.2	115.3	116.1	121.9	122.9	119.9	120.2
55°	784.1	667.7	357.0	172.9	123.2	113.3	115.0	119.7	119.7	115.8	115.5
57.5°	860.4	722.9	360.6	163.8	119.1	112.0	114.7	119.4	118.8	115.3	115.0
60°	934.2	767.9	356.2	155.1	116.4	111.4	116.4	121.3	120.8	117.7	117.5
62.5°	985.2	796.2	345.2	146.3	113.9	112.2	118.3	124.0	124.0	120.8	120.8
65°	1007.2	792.9	322.7	137.5	112.0	112.8	121.0	127.1	126.5	123.8	123.2
67.5°	988.8	762.9	292.6	129.0	110.3	113.3	122.4	128.7	128.2	125.1	124.6
70°	929.8	700.1	256.1	121.3	108.1	112.5	122.9	128.4	127.6	124.9	123.8
72.5°	812.3	602.4	217.9	113.9	104.8	110.6	121.3	126.2	125.4	123.2	121.9
75°	669.1	485.8	180.0	105.7	100.7	107.0	117.7	122.1	121.0	119.1	117.7
77.5°	511.6	366.9	148.7	98.0	95.8	102.4	112.8	116.1	115.0	113.3	112.5
80°	362.0	261.3	119.7	89.5	88.6	95.2	104.0	107.6	107.0	105.4	104.0
82.5°	238.2	173.7	95.5	79.9	80.4	87.3	93.9	95.8	95.5	94.1	92.5
85°	146.8	114.4	75.2	68.9	71.4	76.8	82.3	82.6	81.8	81.5	79.0
87.5°	93.6	78.2	59.0	58.5	62.0	66.7	69.2	68.1	68.6	68.6	66.7
90°	60.9	54.9	47.2	48.9	52.7	56.3	57.4	54.3	56.0	55.2	54.3
92.5°	44.2	40.9	38.4	40.6	44.5	47.8	47.2	43.9	44.7	44.7	44.5
95°	33.5	31.8	32.1	34.3	37.3	39.5	38.4	35.7	36.0	35.4	34.6
97.5°	26.3	26.1	27.2	28.8	31.6	32.9	31.8	29.4	29.1	28.3	28.0
100°	20.9	21.1	22.8	24.7	26.3	27.4	26.6	24.2	23.1	21.7	21.4
102.5°	16.2	16.7	18.9	20.6	22.2	23.1	22.2	20.3	18.4	17.0	16.7
105°	12.6	13.2	15.6	17.3	18.7	19.2	18.7	16.5	14.5	12.9	12.9
107.5°	9.9	10.4	12.9	14.8	15.6	16.2	15.4	13.7	11.5	10.2	10.2
110°	8.0	8.5	10.7	12.3	13.2	13.7	12.9	11.0	9.3	8.2	8.2



REPORT NUMBER: P414237

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.3	7.1	8.8	10.4	11.3	11.5	10.7	9.3	7.4	6.9	6.9
115°	5.5	6.0	7.4	8.8	9.6	9.6	9.1	7.7	6.0	5.8	5.8
117.5°	4.7	5.2	6.3	7.7	8.2	8.2	7.7	6.3	5.2	4.9	4.9
120°	4.4	4.7	5.5	6.6	7.1	7.1	6.6	5.5	4.4	4.4	4.4
122.5°	3.8	4.1	4.9	5.8	6.3	6.3	5.8	4.7	3.8	4.1	4.1
125°	3.6	3.8	4.4	4.9	5.5	5.5	4.9	4.1	3.6	3.6	3.6
127.5°	3.3	3.6	3.8	4.4	4.7	4.7	4.4	3.6	3.3	3.3	3.3
130°	3.0	3.3	3.6	3.8	4.1	4.1	3.6	3.0	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.3	3.6	3.6	3.3	2.7	2.7	2.7	2.7
135°	2.7	2.7	2.7	2.7	3.0	3.0	2.7	2.5	2.5	2.5	2.5
137.5°	2.5	2.5	2.5	2.5	2.7	2.7	2.5	2.2	2.2	2.2	2.2
140°	2.2	2.2	2.2	1.9	2.2	2.2	1.9	1.9	1.9	1.9	1.9
142.5°	1.6	1.9	1.6	1.6	1.6	1.6	1.6	1.4	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.4	1.4	1.4	1.4	1.1	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.1	0.8	1.1	0.8	1.1	1.1	1.1	1.1
150°	1.4	1.4	1.1	1.1	0.8	0.5	0.5	0.8	0.8	0.8	0.8
152.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
155°	1.1	1.1	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.8	0.8	0.8	0.5	0.5	0.3	0.0	0.3	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
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)