

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: P414430

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1928 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U2 - G2

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): 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

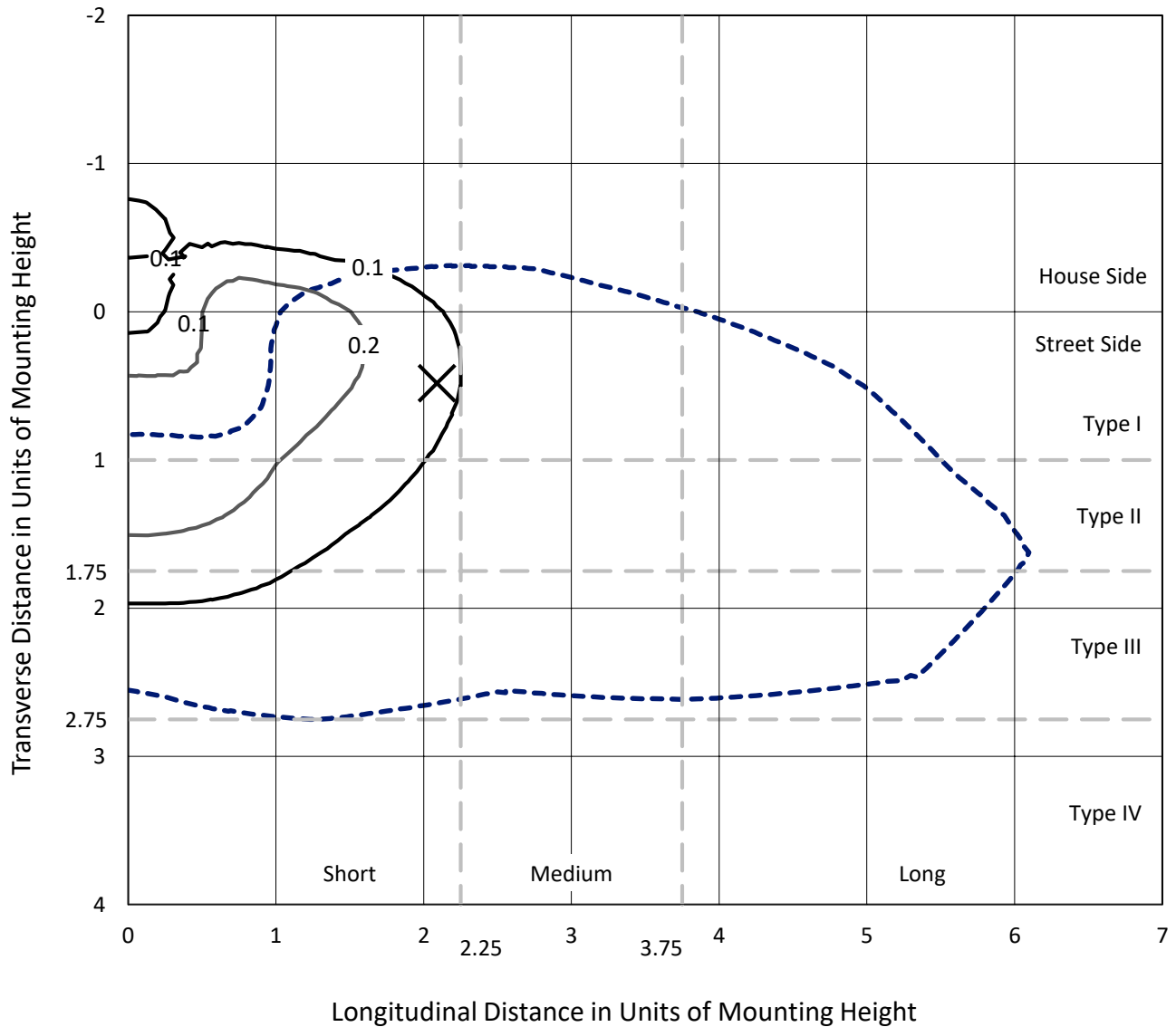


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Iso-Footcandle Lines of Horizontal Illumination

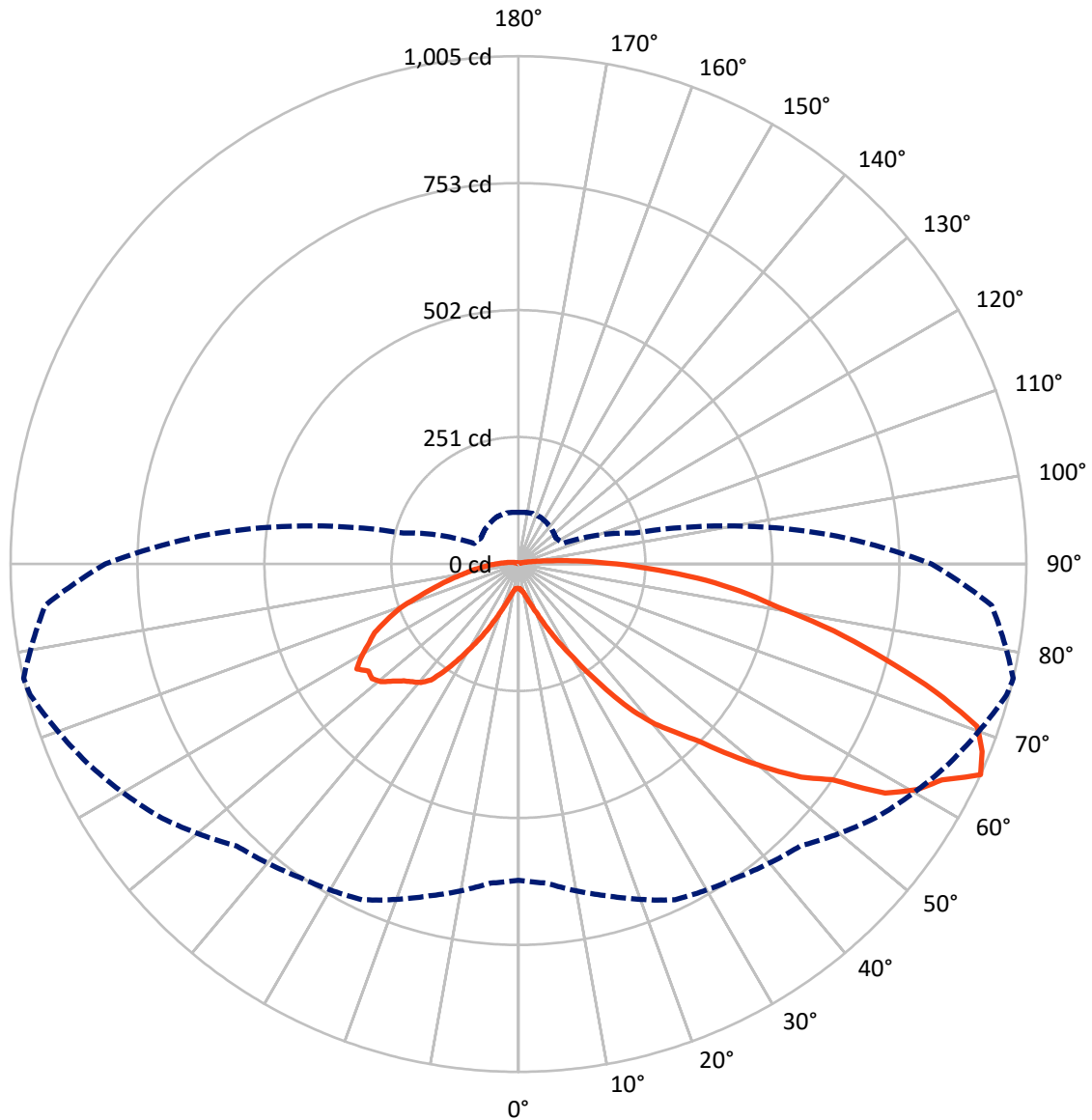
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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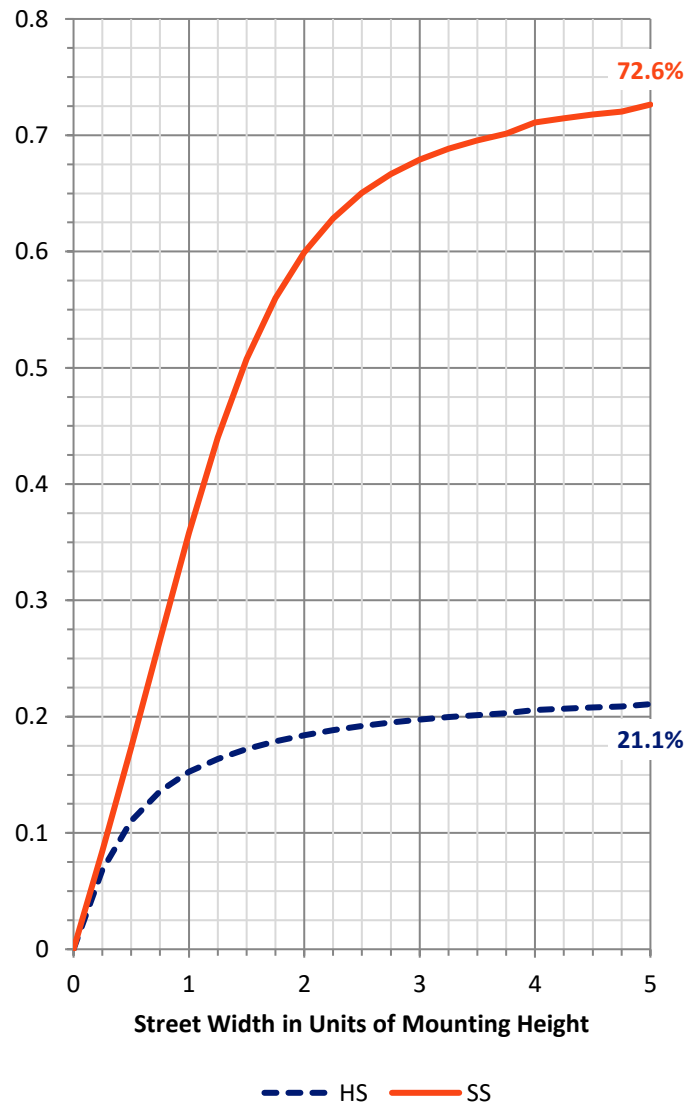
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	424.8	30.2	455.1
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	1435.2	37.8	1473.0
	% Fixture	74.4	2.0	76.4
Total	Lumens	1860.0	68.0	1928.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	21.1	1.1
20°-30°	61.9	3.2
30°-40°	148.1	7.7
40°-50°	266.7	13.8
50°-60°	405.7	21.0
60°-70°	478.6	24.8
70°-80°	329.8	17.1
80°-90°	143.0	7.4
90°-100°	41.7	2.2
100°-110°	13.1	0.7
110°-120°	6.1	0.3
120°-130°	3.6	0.2
130°-140°	2.2	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1860.0	96.5
0°-180°	1928.0	100.0



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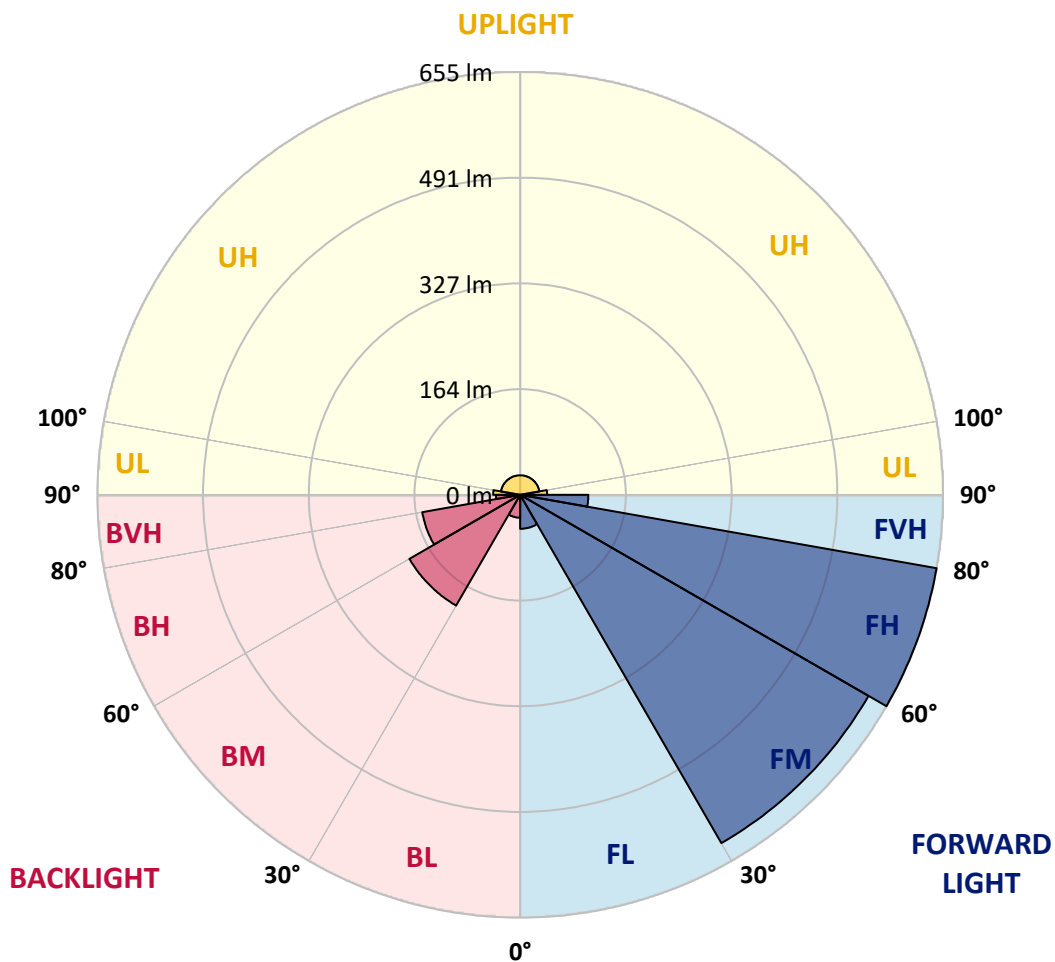
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.5	2.7			
FM	(30°-60°)	622.6	32.3			
FH	(60°-80°)	654.5	33.9			G0/660
FVH	(80°-90°)	105.5	5.5			G2/225
BL	(0°-30°)	35.4	1.8	B0/110		
BM	(30°-60°)	198.0	10.3	B0/220		
BH	(60°-80°)	153.9	8.0	B1/500		G1/500
BVH	(80°-90°)	37.5	1.9			G1/100
UL	(90°-100°)	41.7	2.2		U2/50	
UH	(100°-180°)	30.2	1.6		U2/50	

BUG Rating: B1-U2-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	52.1	51.9	51.9	52.1	51.6	51.2	50.5	49.9	49.2	49.2	48.8
5°	56.3	56.1	56.1	56.1	55.2	54.5	53.0	52.1	51.2	50.8	50.1
7.5°	61.8	61.2	61.4	61.2	59.8	58.5	57.0	55.2	54.1	53.9	52.5
10°	69.1	68.7	68.3	67.4	66.0	63.8	61.6	60.1	58.5	58.3	56.7
12.5°	79.6	79.1	78.2	76.2	73.4	70.7	68.5	66.7	65.8	65.4	63.8
15°	92.2	90.9	90.4	87.3	83.3	80.2	77.8	76.7	75.8	75.8	73.8
17.5°	107.0	107.0	104.8	100.6	95.5	91.7	89.3	87.3	88.0	87.8	86.7
20°	125.4	125.0	121.7	116.1	109.9	106.4	103.3	102.2	103.1	103.9	103.9
22.5°	152.0	150.9	145.8	137.4	128.3	122.6	120.3	120.1	123.7	124.8	126.1
25°	181.9	180.4	174.0	163.8	152.5	143.6	140.5	142.9	149.4	151.8	154.5
27.5°	218.1	217.2	207.4	193.5	180.0	168.4	164.9	172.4	181.1	181.9	187.3
30°	264.6	265.1	251.8	231.6	208.5	196.6	192.6	201.7	214.5	215.4	226.0
32.5°	318.5	318.5	298.5	274.1	244.4	227.6	223.8	238.5	258.6	261.7	271.9
35°	387.2	383.2	357.7	322.7	285.4	260.4	260.0	282.8	310.5	313.6	324.7
37.5°	448.8	451.2	425.3	379.6	329.3	300.5	304.3	333.3	368.3	369.2	381.2
40°	515.5	518.1	487.6	439.9	378.1	345.7	353.3	380.3	415.1	415.8	420.0
42.5°	567.8	574.7	546.1	496.4	433.9	397.1	398.9	424.2	451.0	454.3	457.2
45°	599.0	604.1	588.4	548.7	483.1	448.6	444.3	465.0	500.0	499.1	503.3
47.5°	648.2	654.2	630.1	593.9	538.5	495.8	490.4	517.3	560.2	564.7	560.7
50°	699.2	707.2	689.7	647.6	590.4	548.7	549.4	580.0	630.1	631.6	634.0
52.5°	734.9	740.6	733.8	704.5	643.8	605.9	611.9	648.5	697.7	700.5	690.8
55°	740.4	749.3	754.8	748.2	702.3	664.9	680.1	716.7	750.0	752.4	744.9
57.5°	738.7	746.0	757.7	762.8	739.8	725.6	745.3	782.8	846.8	855.0	851.2
60°	736.7	742.0	766.4	773.9	760.8	772.1	803.6	870.3	905.5	906.2	871.8
62.5°	681.3	690.1	736.0	773.9	770.3	791.8	860.8	907.1	935.0	940.1	907.3
65°	625.6	633.4	679.5	732.7	756.2	788.5	869.6	937.9	999.9	1004.6	939.7
67.5°	545.2	557.4	607.7	671.7	700.5	752.2	846.4	948.7	987.3	989.3	915.1
70°	444.1	460.7	517.5	585.1	619.6	671.9	794.3	910.0	963.8	962.7	874.3
72.5°	320.0	334.9	386.7	466.9	521.0	578.2	699.0	832.8	863.4	862.3	743.7
75°	217.4	225.4	264.4	337.7	415.5	482.7	602.1	722.5	748.4	746.4	637.2
77.5°	142.5	151.6	176.9	239.6	312.0	389.4	505.5	604.8	645.6	638.3	540.1
80°	87.3	92.4	113.2	161.8	236.5	314.3	418.0	511.7	532.8	522.1	441.0
82.5°	54.5	58.5	73.4	106.8	169.8	242.7	342.8	430.8	454.3	442.3	362.8
85°	33.5	35.5	45.7	70.3	115.2	178.4	275.7	349.5	363.9	355.3	273.5
87.5°	24.4	24.8	31.2	47.4	77.8	127.7	203.0	263.3	273.7	257.7	191.7
90°	18.0	18.8	23.0	33.5	54.1	86.7	139.8	185.3	187.9	178.2	128.1
92.5°	13.5	14.0	17.3	23.7	37.2	59.2	93.3	124.1	121.7	114.8	79.6
95°	9.8	10.0	12.4	16.8	26.2	39.7	59.4	77.8	70.0	67.2	48.3
97.5°	8.0	8.2	10.0	13.1	19.3	27.9	38.3	46.3	41.2	39.4	31.0
100°	6.9	6.9	8.4	10.9	15.1	20.8	25.5	29.0	26.6	25.7	21.9
102.5°	6.2	6.2	7.3	9.1	12.4	16.4	18.8	19.9	18.6	18.0	16.2
105°	5.5	5.5	6.4	7.8	10.4	13.3	14.4	14.6	13.3	13.1	12.4
107.5°	5.1	5.1	5.8	6.9	8.9	11.1	11.5	10.9	10.2	9.8	9.8
110°	4.4	4.7	5.1	6.0	7.8	9.3	9.3	8.4	7.5	7.5	7.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.2	4.2	4.7	5.5	6.9	8.0	7.5	6.6	6.0	6.0	6.4
115°	3.8	3.8	4.2	5.1	6.2	6.9	6.4	5.5	4.9	5.1	5.5
117.5°	3.5	3.5	4.0	4.7	5.5	6.0	5.5	4.7	4.2	4.4	5.1
120°	3.5	3.5	4.0	4.4	5.1	5.3	4.9	4.0	3.8	3.8	4.4
122.5°	3.5	3.5	3.8	4.4	4.9	4.9	4.2	3.5	3.3	3.3	4.0
125°	3.5	3.5	4.0	4.4	4.4	4.4	3.8	3.1	2.9	3.1	3.5
127.5°	3.8	3.8	4.0	4.2	4.2	4.0	3.3	2.9	2.7	2.9	3.3
130°	3.8	3.8	4.0	4.2	4.0	3.5	3.1	2.7	2.7	2.7	3.3
132.5°	3.8	3.8	4.0	4.0	3.8	3.1	2.7	2.2	2.4	2.7	3.1
135°	3.5	3.5	3.5	3.5	3.3	2.9	2.2	2.0	2.2	2.4	2.9
137.5°	3.3	3.3	3.3	3.3	2.9	2.4	1.8	1.6	2.0	2.0	2.4
140°	2.9	2.9	3.1	2.9	2.7	2.0	1.6	1.1	1.6	1.6	2.0
142.5°	2.7	2.7	2.7	2.7	2.2	1.8	1.1	1.1	1.3	1.3	1.6
145°	2.2	2.2	2.4	2.2	1.8	1.3	0.9	0.9	1.1	1.1	1.3
147.5°	1.8	2.0	2.0	1.8	1.6	1.1	0.7	0.7	0.9	0.9	1.1
150°	1.6	1.6	1.6	1.6	1.1	0.7	0.4	0.7	0.9	0.9	0.9
152.5°	1.1	1.1	1.3	1.3	0.9	0.4	0.4	0.7	0.7	0.7	0.9
155°	0.9	0.9	1.1	0.9	0.7	0.2	0.4	0.4	0.7	0.7	0.7
157.5°	0.4	0.4	0.7	0.7	0.4	0.2	0.2	0.4	0.4	0.4	0.7
160°	0.2	0.2	0.7	0.7	0.4	0.2	0.2	0.2	0.4	0.4	0.4
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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	48.5	48.1	47.9	47.4	47.0	46.5	46.5	46.5	46.3	46.1	46.3
5°	49.4	49.2	48.1	47.2	46.3	45.9	45.4	45.2	45.2	44.8	44.8
7.5°	51.9	51.0	49.4	47.9	47.0	46.1	45.4	45.2	45.0	44.5	44.5
10°	55.6	54.5	52.7	50.3	48.8	47.2	46.5	46.5	46.3	46.1	46.1
12.5°	62.7	61.4	58.3	55.0	51.9	49.6	49.2	49.9	51.2	51.4	51.4
15°	73.1	71.6	67.6	62.3	57.4	54.3	54.7	56.5	58.3	59.0	59.0
17.5°	86.0	84.2	78.5	70.7	64.3	61.4	61.2	63.6	66.0	67.4	67.4
20°	103.3	100.4	92.9	81.8	72.9	69.6	68.3	70.5	74.2	75.8	75.3
22.5°	124.8	121.4	110.8	94.0	82.9	76.9	75.1	77.6	82.2	84.2	84.0
25°	153.1	149.8	132.5	109.3	92.6	83.3	82.2	85.8	92.6	96.6	96.2
27.5°	186.2	180.6	157.6	126.3	102.2	88.6	88.9	94.9	101.9	106.4	105.9
30°	221.4	214.3	182.8	142.7	111.0	94.6	94.2	101.3	108.6	113.2	113.2
32.5°	267.9	257.5	212.1	158.5	117.9	99.3	97.7	105.7	113.2	118.1	117.9
35°	317.8	303.8	242.7	175.1	123.7	101.7	99.9	108.1	115.9	121.7	121.7
37.5°	375.0	351.3	271.3	186.6	127.7	103.1	100.6	109.9	119.5	125.4	125.0
40°	405.1	378.5	285.0	191.7	128.3	103.3	101.7	111.5	119.5	121.7	120.6
42.5°	438.8	404.5	290.8	185.5	125.9	102.8	102.4	109.9	113.5	112.8	112.1
45°	481.4	435.0	296.3	177.7	120.1	102.2	101.3	105.7	105.9	103.3	102.4
47.5°	535.6	477.1	305.4	168.4	114.4	100.6	99.5	101.5	97.7	92.9	91.3
50°	593.9	525.9	316.7	160.5	109.0	98.6	97.5	96.8	93.1	88.2	87.3
52.5°	644.7	558.9	319.8	152.0	105.5	97.3	96.0	95.3	91.7	86.2	85.1
55°	690.1	587.1	308.9	139.4	102.6	96.4	96.0	96.0	92.2	86.4	85.3
57.5°	779.9	654.4	312.9	126.5	98.8	96.2	96.8	97.1	93.5	88.0	86.9
60°	782.5	641.6	289.7	117.5	95.5	96.2	97.7	98.2	95.7	92.0	91.3
62.5°	808.0	642.0	258.4	105.7	93.3	95.7	98.4	99.9	100.2	98.0	97.5
65°	817.3	632.7	235.8	96.4	90.2	94.6	98.6	102.4	103.7	102.6	102.2
67.5°	781.6	589.9	205.0	90.2	87.1	92.9	98.4	103.1	105.9	106.6	106.6
70°	734.7	541.9	177.5	84.2	83.8	90.4	96.8	103.1	107.0	108.8	108.8
72.5°	615.4	445.0	146.5	78.0	79.3	86.7	93.5	101.1	105.5	107.0	106.4
75°	514.8	366.3	120.6	72.7	74.9	82.0	88.9	96.2	99.3	100.2	99.5
77.5°	435.5	304.7	99.1	67.8	69.6	76.0	82.2	87.3	89.3	88.9	87.8
80°	351.0	237.8	81.3	61.8	63.6	68.7	73.1	77.1	79.1	78.0	77.3
82.5°	279.5	189.0	69.4	56.5	57.2	61.4	64.5	67.6	70.9	70.0	68.3
85°	206.8	139.2	59.0	50.8	50.8	53.9	55.4	58.3	62.9	62.7	62.1
87.5°	141.4	99.1	50.1	45.0	44.8	46.5	47.4	50.5	56.5	56.7	56.1
90°	93.1	67.8	41.9	39.0	38.6	39.9	40.6	43.2	48.1	48.5	47.6
92.5°	60.5	47.0	34.4	33.0	32.8	33.9	33.7	35.5	38.8	38.6	37.9
95°	38.8	32.8	27.9	27.3	26.6	27.9	27.5	27.9	29.7	29.3	29.3
97.5°	26.8	25.0	23.0	21.9	21.5	22.8	22.4	22.4	23.3	22.4	21.9
100°	20.6	19.9	19.1	18.2	17.3	18.4	18.4	18.4	19.1	17.7	17.3
102.5°	16.0	15.7	15.7	15.1	14.4	15.3	15.5	15.7	15.5	14.2	14.0
105°	12.6	12.6	13.1	12.4	12.2	12.9	13.1	12.9	12.9	11.7	11.7
107.5°	10.0	10.4	10.9	10.4	10.4	10.9	10.9	10.9	10.4	9.8	10.0
110°	8.2	8.6	9.3	8.9	8.9	9.3	9.1	8.9	8.6	8.4	8.4



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.1	7.3	7.8	7.5	7.8	8.0	7.8	7.3	7.3	7.3	7.5
115°	6.0	6.4	6.9	6.6	6.6	6.9	6.4	6.2	6.2	6.4	6.4
117.5°	5.3	5.8	6.0	6.0	5.8	6.0	5.5	5.3	5.5	5.8	5.8
120°	4.9	5.1	5.3	5.3	5.1	5.1	4.9	4.7	4.9	5.1	5.3
122.5°	4.4	4.7	4.7	4.9	4.7	4.4	4.2	4.2	4.4	4.7	4.7
125°	4.0	4.2	4.2	4.2	4.2	4.0	3.8	3.8	4.0	4.2	4.4
127.5°	3.5	3.8	3.8	4.0	3.8	3.5	3.3	3.5	3.8	4.0	4.0
130°	3.5	3.5	3.5	3.5	3.3	3.1	3.1	3.1	3.5	3.8	3.8
132.5°	3.3	3.5	3.3	3.3	3.1	2.7	2.7	2.9	3.3	3.5	3.5
135°	3.1	3.1	2.9	2.9	2.7	2.4	2.2	2.7	2.9	3.1	3.1
137.5°	2.7	2.7	2.4	2.2	2.2	2.0	2.0	2.2	2.7	2.9	2.9
140°	2.0	2.2	2.0	1.8	1.8	1.6	1.8	2.0	2.4	2.4	2.4
142.5°	1.6	1.8	1.6	1.3	1.3	1.3	1.3	1.8	2.2	2.2	2.2
145°	1.3	1.3	1.3	1.1	0.9	0.9	1.1	1.6	2.0	2.0	2.0
147.5°	1.1	1.1	1.1	0.9	0.7	0.7	0.9	1.3	1.6	1.6	1.6
150°	0.9	0.9	0.9	0.9	0.7	0.4	0.7	1.1	1.3	1.3	1.3
152.5°	0.9	0.9	0.9	0.7	0.4	0.2	0.4	0.9	1.1	1.1	1.1
155°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.7	0.9	0.9	0.9
157.5°	0.7	0.7	0.7	0.4	0.2	0.0	0.2	0.7	0.9	0.7	0.7
160°	0.4	0.4	0.4	0.4	0.2	0.0	0.2	0.4	0.7	0.4	0.4
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)