

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: P414839

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634 lumens
Efficiency: N/A
Efficacy: 85.0 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 - U3 - G2

Input Watts (W): 31
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

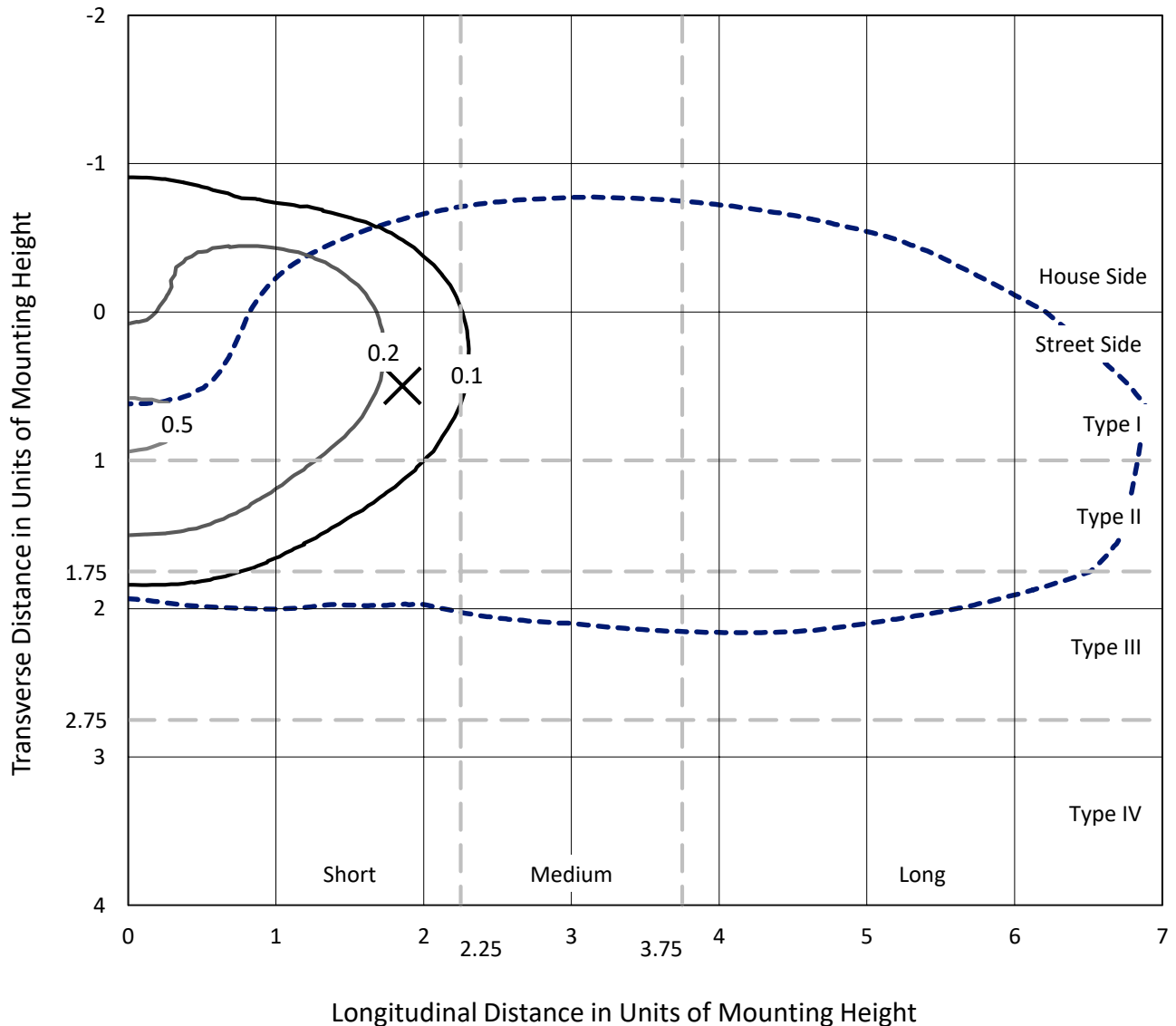


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

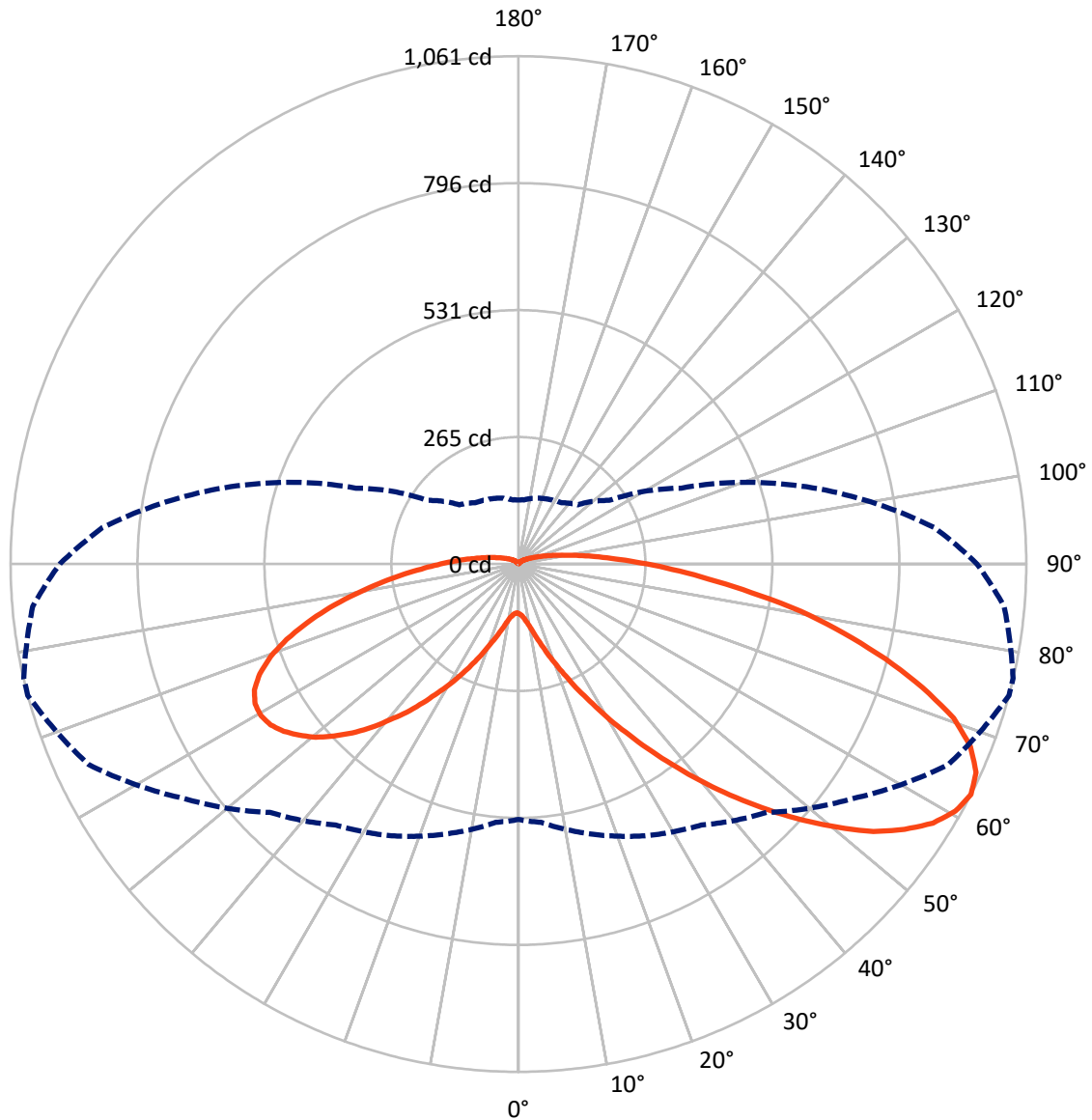


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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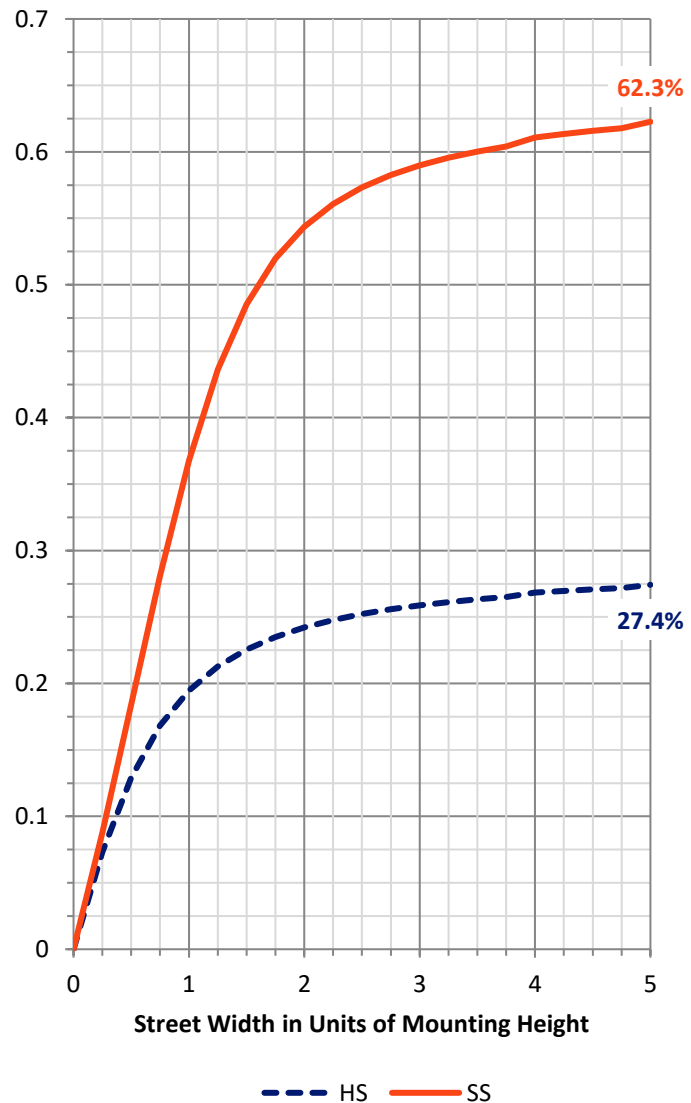
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	753.3	80.1	833.4
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	1690.7	110.0	1800.6
	% Fixture	64.2	4.2	68.4
Total	Lumens	2443.9	190.1	2634.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.4
10°-20°	45.8	1.7
20°-30°	118.6	4.5
30°-40°	242.7	9.2
40°-50°	402.5	15.3
50°-60°	522.1	19.8
60°-70°	514.2	19.5
70°-80°	377.9	14.3
80°-90°	209.1	7.9
90°-100°	98.8	3.7
100°-110°	47.2	1.8
110°-120°	24.1	0.9
120°-130°	12.5	0.5
130°-140°	5.7	0.2
140°-150°	1.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2443.9	92.8
0°-180°	2634.0	100.0



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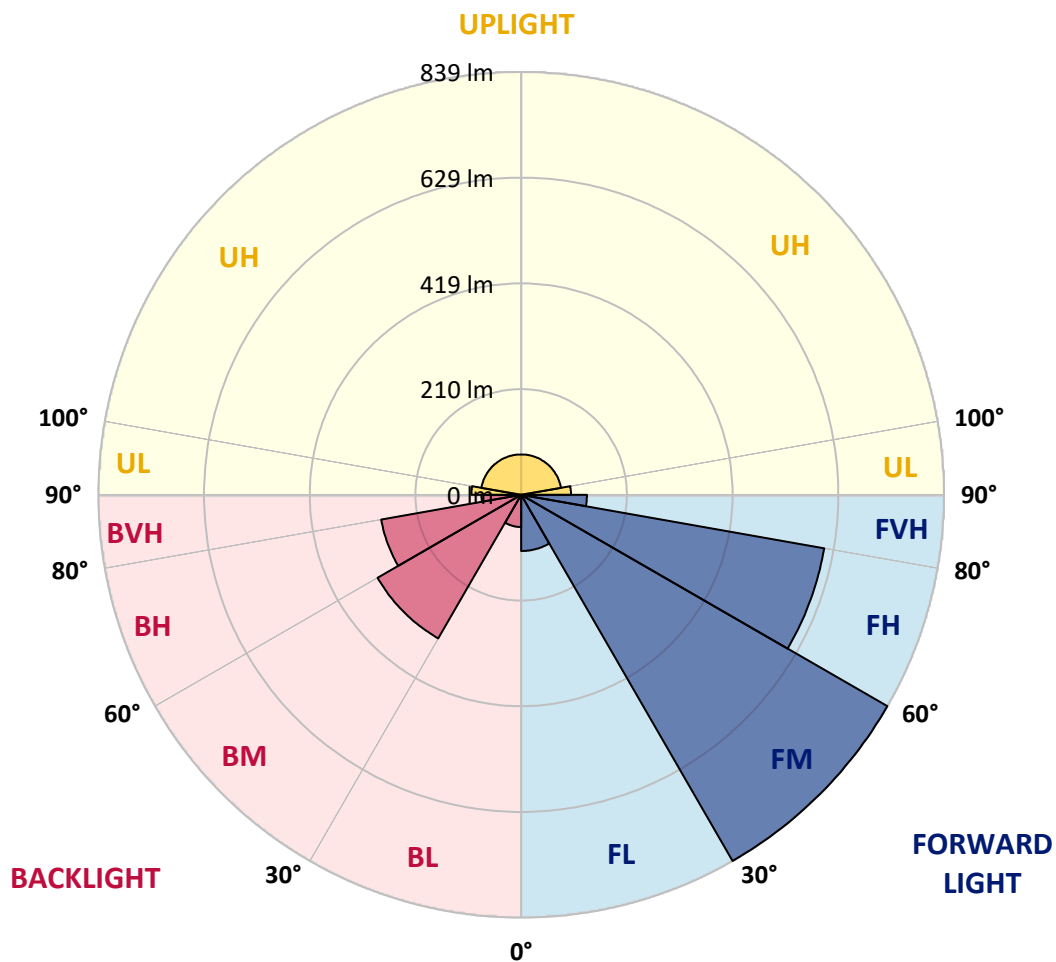
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.4	4.2			
FM (30°-60°)	838.5	31.8			
FH (60°-80°)	610.4	23.2			G0/660
FVH (80°-90°)	130.3	4.9			G2/225
BL (0°-30°)	63.9	2.4	B0/110		
BM (30°-60°)	328.8	12.5	B1/1000		
BH (60°-80°)	281.8	10.7	B1/500		G1/500
BVH (80°-90°)	78.8	3.0			G1/100
UL (90°-100°)	98.8	3.7		U3/500	
UH (100°-180°)	80.1	3.0		U3/500	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	115.3	114.4	113.7	112.8	112.2	110.9	109.7	107.8	106.3	106.0	104.7
5°	127.4	125.9	125.9	124.3	122.1	120.6	118.1	115.0	112.5	110.9	109.7
7.5°	142.9	141.7	140.1	138.9	136.7	133.9	130.5	126.5	121.5	120.6	117.5
10°	160.3	159.7	158.5	156.0	153.2	149.5	144.8	139.8	134.2	133.3	128.0
12.5°	183.3	183.3	181.5	178.1	174.0	167.2	163.1	157.9	151.3	150.4	142.9
15°	211.6	210.4	207.9	202.0	197.3	191.7	186.8	179.9	171.2	169.7	162.8
17.5°	242.7	240.2	239.0	233.4	227.2	220.3	213.5	206.0	196.4	193.9	185.8
20°	277.5	279.1	274.4	268.2	258.9	252.0	244.2	234.6	224.0	222.2	212.6
22.5°	321.3	320.1	313.5	304.8	295.8	288.4	278.4	268.8	254.5	252.6	241.5
25°	369.8	368.5	360.2	349.3	339.0	325.7	314.2	303.9	292.1	289.3	275.9
27.5°	417.3	423.5	410.8	397.4	385.3	370.4	356.7	343.7	330.3	328.1	314.2
30°	482.3	483.8	468.9	450.6	434.1	415.5	401.2	389.4	377.9	370.7	358.0
32.5°	550.0	545.1	533.2	510.9	484.8	463.9	448.1	437.2	426.3	422.6	404.0
35°	617.1	617.1	598.8	568.7	534.5	513.4	497.8	491.3	481.3	475.4	454.6
37.5°	683.0	682.1	663.4	628.0	592.9	564.0	554.1	546.6	539.8	533.9	508.4
40°	748.0	746.4	724.0	689.5	648.5	618.7	610.6	611.9	603.8	595.7	570.2
42.5°	800.2	799.6	781.8	747.3	698.3	671.8	663.8	671.2	667.5	659.7	629.9
45°	841.8	839.0	825.0	789.9	745.5	717.5	719.7	737.7	733.4	729.6	692.7
47.5°	859.2	858.9	851.1	820.7	779.7	760.1	772.5	797.7	799.2	796.1	754.8
50°	854.6	855.8	855.2	836.5	803.0	793.0	817.0	859.8	864.8	861.7	819.1
52.5°	827.2	827.8	838.1	830.0	811.1	813.8	856.4	911.4	928.8	920.4	876.0
55°	769.4	777.2	797.4	802.0	799.6	818.5	880.0	952.4	978.9	976.1	925.4
57.5°	709.7	706.0	734.9	757.3	770.3	806.1	887.8	981.7	1021.4	1017.7	969.5
60°	622.7	628.3	663.8	695.8	723.4	776.2	880.7	997.2	1049.1	1046.9	1001.9
62.5°	533.9	541.9	583.9	626.5	665.9	734.0	853.9	991.3	1061.2	1060.9	1018.9
65°	450.3	459.0	497.5	549.1	599.4	676.8	807.3	966.1	1050.9	1051.6	1015.8
67.5°	376.0	380.7	421.1	477.9	527.0	609.7	747.3	916.4	1018.6	1022.1	991.0
70°	309.8	313.2	352.4	403.0	459.9	534.8	674.6	852.7	964.6	965.8	946.2
72.5°	254.2	257.3	294.9	340.0	392.5	469.2	599.7	765.7	883.1	895.6	877.2
75°	203.2	209.4	241.8	285.6	332.5	400.9	520.5	672.1	791.8	802.4	799.6
77.5°	165.6	174.0	199.8	237.4	280.6	340.0	441.3	579.9	695.1	703.8	706.0
80°	133.6	139.8	165.6	198.9	235.5	287.1	368.9	489.7	597.9	598.8	597.9
82.5°	108.5	113.1	136.1	166.3	198.6	241.5	309.2	408.6	490.4	500.3	502.2
85°	88.3	91.7	111.6	138.6	165.9	202.3	255.1	333.7	398.4	408.6	405.2
87.5°	70.9	75.5	91.4	114.4	139.8	168.7	212.2	270.0	321.6	326.0	325.4
90°	58.1	59.7	75.5	95.1	118.1	140.1	173.4	217.5	256.1	263.8	258.5
92.5°	46.9	49.4	62.8	80.5	98.5	117.8	143.9	178.7	202.6	207.3	204.8
95°	39.5	40.7	52.8	67.4	83.0	100.4	118.7	142.6	160.3	161.9	162.5
97.5°	32.9	34.2	44.1	57.5	70.9	84.8	98.8	116.5	128.3	128.0	127.1
100°	28.3	28.9	37.9	50.0	61.8	72.1	83.0	93.8	101.0	103.2	99.8
102.5°	24.5	24.9	32.6	43.2	53.1	62.1	70.2	78.0	80.8	81.1	79.6
105°	21.8	22.1	28.6	37.3	46.3	53.1	59.4	64.0	65.3	65.3	63.4
107.5°	19.3	19.6	24.5	32.9	41.0	46.6	51.0	53.4	52.8	52.5	51.3
110°	17.7	17.7	21.8	29.2	35.7	40.7	44.1	44.4	42.9	42.9	41.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	16.2	16.2	19.3	25.8	31.7	36.0	38.2	37.6	35.4	34.8	34.8
115°	14.9	14.9	17.1	22.7	28.3	31.7	33.3	31.7	29.2	28.9	28.6
117.5°	14.0	14.0	15.5	20.2	24.9	28.0	28.9	27.3	24.5	24.2	24.2
120°	13.1	13.1	14.3	17.7	22.1	24.5	25.2	23.3	20.5	20.5	20.8
122.5°	12.4	12.4	13.1	15.8	19.6	21.8	21.8	19.9	17.4	17.4	17.7
125°	11.8	11.8	12.1	14.0	17.1	19.0	18.6	16.5	14.9	14.9	15.2
127.5°	11.2	11.2	11.2	12.4	14.9	16.5	16.2	14.0	12.7	12.7	13.4
130°	10.6	10.6	10.3	10.9	12.7	14.0	13.4	11.8	10.9	10.9	11.5
132.5°	9.9	9.9	9.3	9.6	10.9	11.5	10.9	9.6	9.3	9.3	9.6
135°	9.3	9.0	8.7	8.4	9.0	9.3	8.7	7.8	7.8	7.8	8.4
137.5°	8.4	8.4	7.8	7.1	7.1	7.1	6.8	5.9	6.2	6.5	6.8
140°	7.8	7.8	7.1	6.2	5.6	5.6	5.0	4.7	5.0	5.3	5.6
142.5°	6.8	6.8	6.2	5.3	4.4	3.7	3.4	3.1	3.7	4.0	4.0
145°	5.9	5.9	5.3	4.0	3.1	2.2	1.9	2.2	2.5	2.8	3.1
147.5°	5.0	4.7	4.0	3.1	1.6	0.9	0.6	1.2	1.6	1.6	1.9
150°	3.7	3.7	3.1	2.2	0.9	0.0	0.3	0.6	0.9	0.9	1.2
152.5°	2.8	2.5	2.2	1.2	0.0	0.0	0.0	0.0	0.3	0.6	0.6
155°	1.6	1.6	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	104.1	103.2	101.9	101.0	100.1	98.8	98.2	97.3	97.3	97.3	97.9
5°	107.8	106.6	103.8	101.3	98.8	97.0	95.1	93.8	93.2	92.6	92.9
7.5°	114.7	113.1	108.8	104.4	101.0	97.6	95.1	92.9	92.0	91.7	91.7
10°	125.2	122.4	115.9	110.0	105.0	100.4	97.0	94.2	92.9	92.0	92.0
12.5°	139.5	135.5	127.7	119.6	112.2	106.0	101.0	98.8	97.9	97.3	97.6
15°	158.5	154.1	142.3	131.8	122.1	113.7	109.1	106.9	105.7	105.0	104.7
17.5°	180.5	174.3	160.0	146.4	134.2	124.9	119.0	115.6	113.4	112.2	112.5
20°	204.8	196.7	178.4	163.5	147.9	138.6	129.6	124.0	121.2	120.6	120.9
22.5°	232.1	223.7	202.6	180.9	164.7	150.7	139.8	132.7	129.3	129.0	129.0
25°	264.4	253.3	228.4	201.1	180.2	162.5	149.8	141.1	137.4	136.1	136.1
27.5°	301.1	286.2	255.4	224.0	195.5	173.1	158.2	148.2	144.2	143.3	143.3
30°	341.5	326.0	286.8	245.8	210.1	182.4	165.6	155.1	149.8	148.5	148.8
32.5°	385.9	365.8	316.3	269.1	222.8	189.9	170.6	160.0	154.1	152.6	152.6
35°	434.1	410.5	351.5	291.8	234.9	195.8	174.3	163.5	156.9	155.4	155.1
37.5°	488.2	458.7	387.8	312.6	244.6	199.5	176.8	165.6	158.5	156.3	156.0
40°	544.7	510.9	421.4	331.6	252.6	201.7	177.4	166.6	159.1	155.7	155.4
42.5°	597.6	560.3	459.6	349.0	257.6	202.6	177.1	166.3	158.5	153.8	153.5
45°	656.0	610.3	494.7	364.8	260.7	202.0	175.9	164.7	157.2	151.3	150.7
47.5°	717.2	664.7	527.0	376.3	262.0	200.1	174.3	163.5	155.1	148.5	147.9
50°	772.5	711.3	557.2	385.3	261.3	197.3	171.8	161.6	153.2	145.7	145.1
52.5°	826.6	760.1	580.8	390.3	258.2	194.2	169.7	159.4	151.0	143.3	142.3
55°	875.7	798.6	601.9	392.5	254.2	190.2	166.6	157.5	149.2	140.8	139.8
57.5°	913.6	835.0	617.5	389.7	248.0	185.5	163.5	154.8	147.0	138.6	137.7
60°	941.6	858.9	624.6	384.4	240.8	180.2	159.7	152.0	144.8	136.7	135.8
62.5°	958.3	872.3	623.0	375.1	231.8	175.0	156.3	149.2	142.6	134.6	133.9
65°	955.5	867.0	611.2	360.2	222.2	168.1	151.0	145.4	139.5	132.1	131.1
67.5°	932.9	845.5	587.3	341.5	211.3	161.3	146.1	140.5	135.5	129.0	127.1
70°	892.5	806.1	552.8	318.2	198.9	153.5	140.1	134.9	130.5	124.3	122.4
72.5°	824.4	748.6	509.0	294.0	185.5	144.5	132.4	128.0	123.4	118.4	116.2
75°	746.7	676.5	457.4	265.4	171.2	135.5	124.3	119.9	115.6	110.3	108.5
77.5°	662.2	594.8	404.0	240.2	156.6	125.2	115.3	111.6	107.2	101.6	99.4
80°	561.2	507.5	347.1	211.3	142.0	115.3	106.0	101.9	97.3	92.0	89.8
82.5°	470.2	422.6	294.6	185.2	127.4	105.0	97.0	91.0	86.7	81.4	77.7
85°	384.4	351.1	247.0	159.1	113.7	94.5	86.4	81.4	76.4	70.2	67.7
87.5°	309.2	280.9	202.9	137.4	100.4	84.2	76.8	71.8	66.2	59.7	57.5
90°	244.6	227.2	168.7	118.1	88.9	75.5	68.1	62.8	56.6	50.7	49.4
92.5°	193.9	181.8	139.5	100.4	78.3	66.8	60.0	54.7	48.5	42.6	40.7
95°	156.0	144.2	114.4	87.6	68.7	58.7	52.8	47.9	41.6	35.7	34.5
97.5°	124.6	115.3	93.8	73.6	60.3	52.2	46.9	41.6	35.4	30.1	29.5
100°	97.6	92.0	77.7	63.4	53.1	46.3	41.3	36.7	30.5	25.2	24.9
102.5°	78.0	74.9	64.6	54.7	46.6	41.0	37.0	32.0	26.4	21.4	21.1
105°	62.8	60.9	53.8	46.9	41.3	36.7	32.9	28.0	22.4	18.3	18.3
107.5°	51.0	49.4	45.1	40.1	36.4	32.9	28.9	24.5	19.3	15.8	15.8
110°	41.6	41.0	38.2	34.8	32.0	29.2	25.5	21.1	16.5	14.0	14.0



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.8	34.5	32.3	30.5	28.3	25.8	22.7	18.6	14.3	12.1	12.4
115°	28.9	28.9	27.7	26.4	24.9	23.0	19.9	15.8	12.1	10.9	10.9
117.5°	24.5	24.2	23.9	23.0	22.1	20.2	17.1	13.7	10.3	9.6	9.9
120°	21.1	21.1	20.5	20.2	19.3	17.4	14.9	11.5	8.7	8.7	8.7
122.5°	18.0	18.3	17.7	17.4	16.8	15.5	12.7	9.6	7.8	7.5	7.8
125°	15.8	15.8	15.5	15.2	14.6	13.1	10.9	8.1	6.5	6.8	6.8
127.5°	13.4	13.7	13.4	13.1	12.7	11.2	9.0	6.5	5.6	5.9	5.9
130°	11.8	11.8	11.5	11.2	10.6	9.3	7.5	5.3	5.0	5.3	5.3
132.5°	9.9	9.9	9.9	9.3	8.7	7.8	5.9	4.4	4.0	4.7	4.7
135°	8.4	8.4	8.4	7.8	7.1	5.9	4.4	3.4	3.4	4.0	4.0
137.5°	6.8	7.1	6.8	6.2	5.6	4.7	3.4	2.5	2.8	3.4	3.4
140°	5.6	5.6	5.3	5.0	4.0	3.1	2.2	1.9	2.5	2.8	2.8
142.5°	4.4	4.4	4.0	3.4	2.8	2.2	1.2	1.2	1.9	2.2	2.2
145°	3.1	3.1	2.8	2.2	1.6	0.9	0.3	0.6	1.2	1.6	1.6
147.5°	1.9	1.9	1.9	1.6	0.9	0.3	0.0	0.3	0.6	0.9	0.9
150°	1.2	1.2	1.2	0.9	0.6	0.0	0.0	0.0	0.3	0.6	0.6
152.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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)