

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: P414418

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1871 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

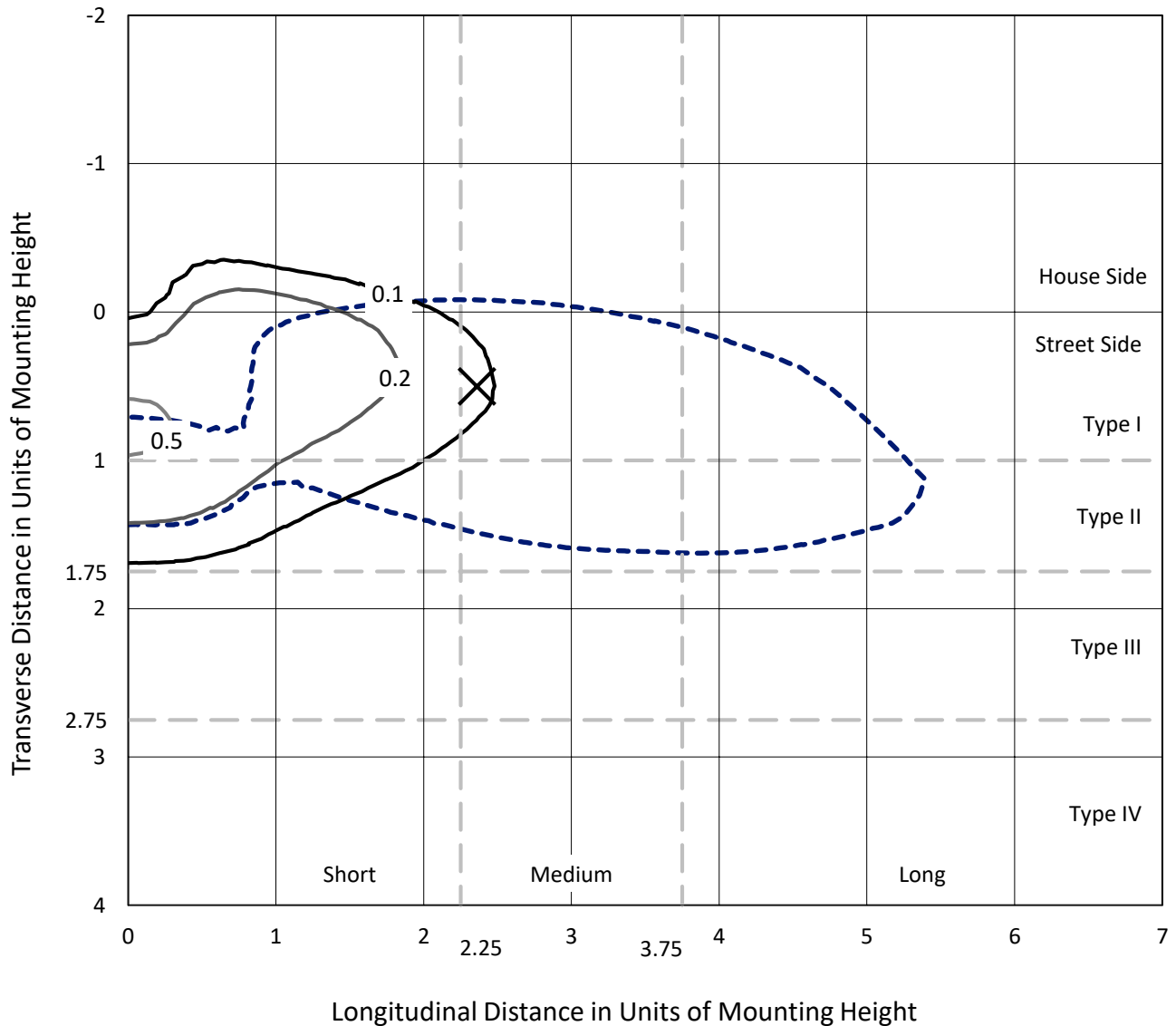


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

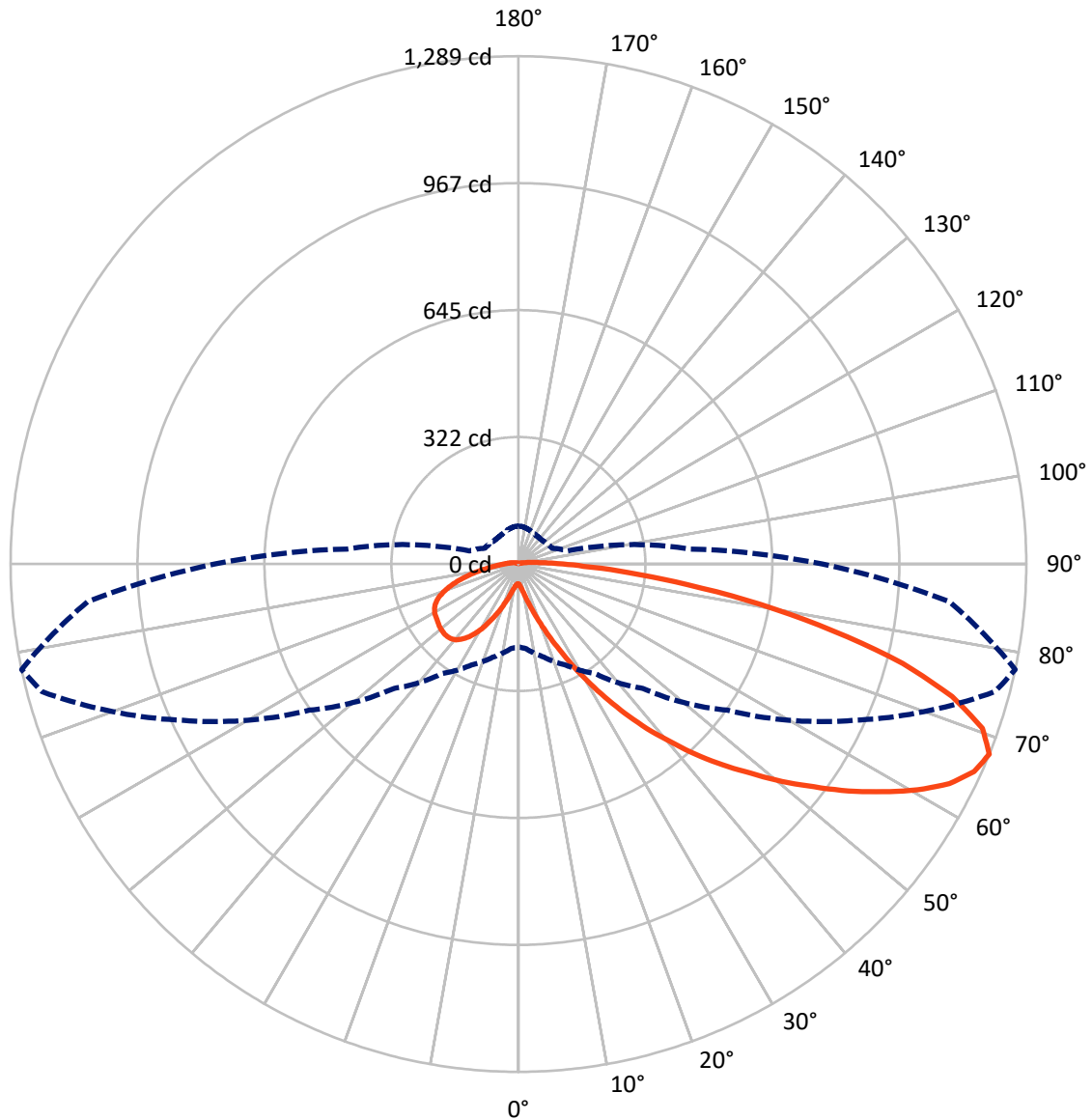


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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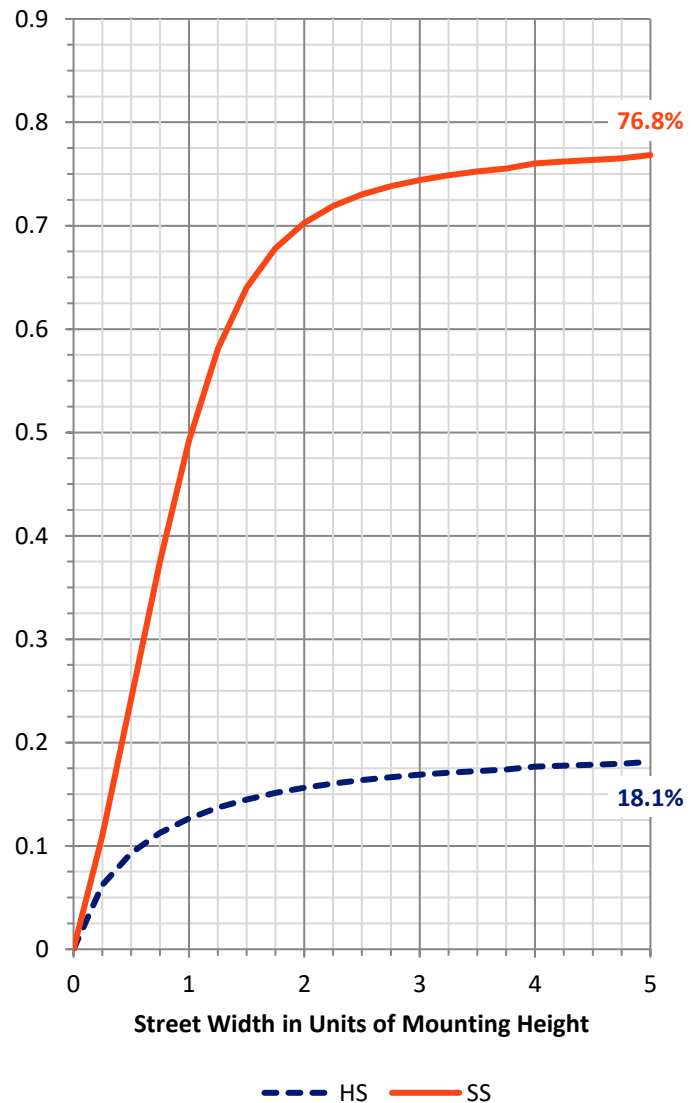
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	355.5	28.9	384.4
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	1457.4	29.3	1486.6
	% Fixture	77.9	1.6	79.5
Total	Lumens	1812.9	58.1	1871.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.3
10°-20°	29.1	1.6
20°-30°	88.6	4.7
30°-40°	198.1	10.6
40°-50°	326.5	17.4
50°-60°	401.8	21.5
60°-70°	389.7	20.8
70°-80°	269.9	14.4
80°-90°	103.3	5.5
90°-100°	29.6	1.6
100°-110°	12.9	0.7
110°-120°	6.9	0.4
120°-130°	4.3	0.2
130°-140°	2.7	0.1
140°-150°	1.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1812.9	96.9
0°-180°	1871.0	100.0

Coefficient of Utilization



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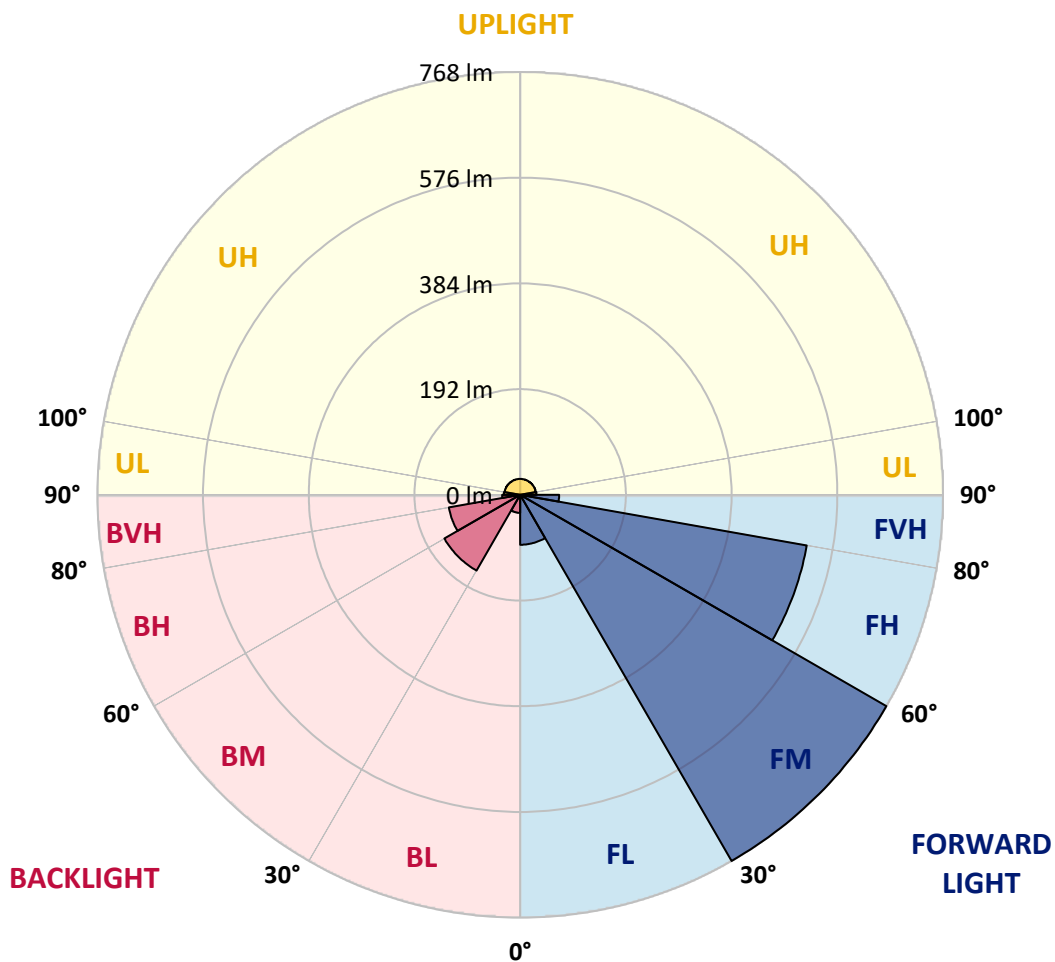
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.7	4.8			
FM	(30°-60°)	767.7	41.0			
FH	(60°-80°)	528.3	28.2			G0/660
FVH	(80°-90°)	70.7	3.8			G1/100
BL	(0°-30°)	32.7	1.7	B0/110		
BM	(30°-60°)	158.8	8.5	B0/220		
BH	(60°-80°)	131.4	7.0	B1/500		G1/500
BVH	(80°-90°)	32.6	1.7			G1/100
UL	(90°-100°)	29.6	1.6		U2/50	
UH	(100°-180°)	28.9	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	60.7	60.3	60.3	60.1	59.2	58.3	56.9	55.4	54.1	53.2	52.3
5°	73.8	72.2	72.7	71.4	69.8	68.0	65.6	62.3	59.2	58.5	56.1
7.5°	89.5	87.5	88.2	86.6	83.8	80.0	76.7	71.8	67.1	65.6	62.0
10°	109.5	107.5	106.4	104.1	100.8	96.0	90.9	84.4	78.0	75.8	71.4
12.5°	133.2	131.6	130.1	127.0	121.7	115.5	109.0	101.9	93.5	90.6	83.8
15°	162.6	161.3	158.0	153.8	146.0	139.2	129.4	123.0	112.6	109.0	100.6
17.5°	195.7	193.0	189.7	183.5	174.6	166.0	157.8	146.9	135.6	132.7	122.3
20°	236.4	235.6	229.1	218.7	209.0	197.2	189.2	178.6	166.0	162.0	148.2
22.5°	284.7	283.0	275.4	259.7	245.1	230.0	223.6	212.5	203.4	197.9	179.9
25°	342.8	339.5	327.1	308.2	287.4	269.5	258.8	254.8	247.7	239.3	217.4
27.5°	404.6	404.9	387.8	359.9	330.8	309.3	301.1	302.7	294.1	289.4	262.6
30°	481.1	475.5	453.2	418.8	379.6	351.9	347.0	354.8	352.3	343.2	311.6
32.5°	557.5	555.5	527.8	480.9	429.4	399.1	395.5	412.4	411.7	402.6	362.3
35°	633.8	631.5	597.2	542.5	481.5	446.7	443.6	465.8	473.8	464.7	419.5
37.5°	710.4	705.3	670.8	604.3	530.9	490.4	491.7	519.6	538.3	530.1	474.7
40°	778.0	777.1	736.8	661.2	578.6	534.7	543.6	580.4	603.2	591.9	530.7
42.5°	829.9	826.1	790.4	708.4	621.3	576.1	591.4	640.2	669.4	661.7	585.9
45°	853.8	851.6	823.0	744.1	654.6	612.0	636.2	695.6	735.5	727.0	642.6
47.5°	847.4	845.4	829.9	761.6	676.5	642.8	675.6	749.4	804.8	793.5	699.1
50°	808.8	810.8	805.9	756.5	684.3	662.6	713.1	803.3	872.6	867.3	753.6
52.5°	738.4	744.1	751.9	729.9	677.2	671.4	740.1	850.0	940.0	939.8	814.1
55°	646.8	650.8	677.9	673.9	650.2	671.2	760.1	896.1	1015.8	1016.9	876.6
57.5°	549.8	547.8	583.7	604.5	610.7	654.1	769.8	936.9	1082.7	1090.5	942.7
60°	443.6	450.9	484.6	527.2	550.4	620.5	766.5	965.7	1147.2	1164.3	1002.7
62.5°	360.5	357.2	394.2	440.5	487.7	572.2	742.3	979.2	1208.6	1227.6	1058.1
65°	272.3	279.2	312.7	353.7	409.7	511.2	703.3	972.1	1246.5	1270.8	1092.9
67.5°	210.1	215.4	244.0	282.5	339.7	446.5	647.1	939.1	1252.2	1289.2	1097.8
70°	162.4	166.6	186.8	219.6	274.1	375.2	567.9	876.2	1220.8	1249.6	1053.0
72.5°	129.4	131.2	145.4	172.0	216.5	306.0	482.0	777.4	1125.7	1151.4	961.3
75°	101.7	104.4	115.9	135.8	169.1	244.6	394.0	656.8	981.0	1007.6	834.7
77.5°	80.9	83.5	92.2	106.1	131.2	188.6	307.8	535.1	800.8	817.2	665.0
80°	64.3	65.6	72.9	83.3	101.9	145.4	231.8	406.2	606.5	623.6	494.2
82.5°	48.8	49.9	57.2	66.3	79.6	110.1	167.5	285.6	427.2	431.9	335.5
85°	35.0	37.0	43.0	50.5	60.9	82.0	120.1	193.9	272.6	279.7	212.5
87.5°	24.8	25.7	31.7	38.8	46.5	60.7	83.5	127.6	167.7	165.8	129.0
90°	16.8	17.5	22.8	28.6	35.5	45.4	58.3	80.2	103.0	99.7	80.9
92.5°	11.3	12.4	16.8	21.7	27.7	35.0	41.4	52.5	63.8	60.7	51.4
95°	8.4	8.9	12.9	17.3	22.2	26.8	30.8	35.9	40.8	39.9	35.5
97.5°	6.6	7.1	10.4	14.2	17.9	21.7	23.9	25.7	28.4	28.1	25.5
100°	5.8	6.0	8.9	12.2	15.5	18.2	19.5	19.9	20.8	20.4	19.5
102.5°	4.9	5.3	7.8	10.6	13.5	15.5	16.4	16.0	15.7	15.3	14.4
105°	4.4	4.7	6.9	9.5	12.0	13.5	13.7	13.1	12.0	11.7	11.3
107.5°	4.2	4.4	6.2	8.6	10.6	12.0	11.7	10.9	9.5	9.1	8.9
110°	4.0	4.2	5.8	7.8	9.8	10.6	10.4	9.1	7.5	7.1	7.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	4.0	4.0	5.3	7.1	8.9	9.5	9.1	7.8	6.2	6.0	6.2
115°	3.8	4.0	5.1	6.6	8.0	8.6	8.0	6.6	5.3	5.1	5.3
117.5°	3.8	4.0	4.9	6.2	7.5	7.8	7.1	5.8	4.4	4.4	4.9
120°	3.8	4.0	4.7	5.8	6.9	7.1	6.4	5.1	4.0	4.0	4.4
122.5°	4.0	4.0	4.4	5.5	6.4	6.6	5.8	4.4	3.8	3.8	4.2
125°	4.0	4.0	4.4	5.1	6.0	6.0	5.3	4.0	3.3	3.3	4.0
127.5°	4.0	4.0	4.4	4.9	5.5	5.5	4.9	3.8	3.1	3.1	3.8
130°	4.0	4.2	4.2	4.7	5.1	5.1	4.4	3.3	3.1	3.1	3.5
132.5°	4.2	4.2	4.2	4.4	4.9	4.7	3.8	3.1	2.9	2.9	3.3
135°	4.0	4.0	4.0	4.2	4.4	4.2	3.3	2.7	2.7	2.9	3.1
137.5°	4.0	4.0	4.0	3.8	4.0	3.8	3.1	2.4	2.4	2.7	2.9
140°	3.5	3.8	3.5	3.5	3.5	3.3	2.7	2.0	2.2	2.4	2.4
142.5°	3.3	3.3	3.3	3.1	3.1	2.9	2.2	1.8	2.0	2.0	2.2
145°	3.1	3.1	2.9	2.7	2.7	2.2	1.8	1.6	1.8	1.8	2.0
147.5°	2.7	2.7	2.7	2.2	2.0	1.8	1.1	1.1	1.3	1.6	1.6
150°	2.2	2.2	2.2	2.0	1.6	1.3	0.9	1.1	1.1	1.1	1.3
152.5°	1.8	1.8	1.8	1.6	1.3	0.9	0.7	0.9	0.9	0.9	1.1
155°	1.1	1.1	1.1	1.1	0.9	0.4	0.7	0.7	0.9	0.9	0.9
157.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
160°	0.2	0.2	0.4	0.4	0.7	0.4	0.4	0.4	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°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	51.6	51.0	49.9	48.8	47.6	46.5	45.6	45.4	44.8	44.8	44.5
5°	54.7	53.6	50.7	48.5	46.1	44.1	42.5	41.9	41.2	40.8	40.8
7.5°	60.3	57.8	53.6	49.9	46.5	43.7	41.7	40.6	39.7	39.2	39.2
10°	67.8	64.7	58.3	52.7	47.9	44.3	42.1	40.8	40.1	39.7	39.4
12.5°	78.9	74.5	65.1	57.2	51.0	46.5	43.7	42.8	43.0	43.0	43.0
15°	94.0	87.5	74.9	64.0	55.2	49.4	47.4	47.4	48.1	48.3	47.9
17.5°	113.5	104.8	87.1	70.9	60.5	54.5	52.3	52.3	53.4	54.1	54.1
20°	137.4	125.0	99.9	80.0	66.7	60.3	57.6	57.8	59.2	60.1	60.1
22.5°	164.9	150.2	116.3	89.3	73.6	65.4	62.5	62.7	64.9	66.0	66.5
25°	200.5	177.9	132.7	98.8	80.0	70.2	67.4	67.6	70.5	72.0	72.0
27.5°	238.2	208.7	149.4	108.1	85.5	74.7	71.8	72.5	75.6	76.9	77.3
30°	278.3	241.5	166.0	116.1	90.0	78.0	75.1	76.4	79.3	81.3	81.5
32.5°	322.9	273.7	179.3	122.5	93.7	80.9	78.0	80.0	82.4	84.6	84.9
35°	369.4	305.6	191.0	127.0	96.2	83.3	80.2	82.2	84.6	86.6	86.4
37.5°	411.1	331.7	198.8	128.7	97.5	84.6	81.8	83.8	86.0	87.5	87.5
40°	452.1	359.0	202.5	127.4	97.5	85.3	82.4	84.6	86.6	87.5	87.5
42.5°	491.1	379.1	201.9	124.8	97.1	85.5	82.9	84.9	86.6	87.1	87.1
45°	524.7	397.8	197.9	120.3	95.5	85.3	83.1	84.9	86.2	86.2	86.4
47.5°	564.6	412.4	192.1	115.7	93.7	84.9	82.7	84.6	85.8	85.8	85.5
50°	600.5	426.6	184.4	110.6	92.2	84.4	82.4	84.4	85.8	85.3	85.3
52.5°	638.6	439.2	176.4	105.9	90.6	84.2	82.4	84.4	85.8	85.5	85.8
55°	673.9	451.8	166.4	101.7	89.7	84.0	82.7	84.6	86.4	86.4	86.2
57.5°	719.1	458.5	158.7	98.8	88.9	84.0	82.9	85.1	87.3	87.5	87.8
60°	751.0	467.1	152.2	97.1	88.9	84.4	83.5	85.8	88.6	89.7	90.4
62.5°	774.2	466.7	144.5	96.2	89.1	84.9	84.2	86.4	90.2	91.7	92.6
65°	786.4	458.7	136.5	95.5	89.3	85.3	84.6	86.9	91.3	94.2	95.1
67.5°	770.5	437.2	128.3	94.4	89.1	85.1	84.9	87.3	92.0	95.7	96.2
70°	731.7	400.9	118.6	92.0	88.2	84.4	84.2	86.2	91.3	95.7	96.2
72.5°	658.1	354.8	107.3	88.4	86.2	82.9	82.2	84.2	89.1	93.5	93.5
75°	559.7	301.4	96.2	83.3	82.2	80.2	79.6	80.7	84.9	89.1	89.3
77.5°	438.3	240.0	84.4	76.2	77.3	75.8	75.1	75.8	79.6	82.4	82.7
80°	333.5	182.8	73.1	67.8	70.5	70.0	69.4	69.1	71.8	74.0	73.3
82.5°	230.0	130.1	60.5	58.9	61.8	62.5	62.3	60.7	62.7	64.5	63.4
85°	148.5	92.0	50.5	49.9	52.5	53.6	53.4	52.3	52.7	54.7	52.5
87.5°	96.0	66.0	41.7	41.2	43.4	44.8	44.8	42.5	43.4	45.4	43.0
90°	60.1	46.8	34.8	34.6	36.1	36.8	35.9	34.6	35.0	36.1	35.2
92.5°	42.5	35.2	29.0	29.0	29.5	29.9	29.5	27.9	28.8	28.8	28.8
95°	31.0	27.9	25.3	24.8	24.6	24.4	24.2	23.0	23.9	23.7	23.0
97.5°	23.7	22.4	21.5	21.3	20.8	20.6	20.4	19.5	20.2	19.7	19.3
100°	18.6	18.4	18.4	18.4	17.9	17.3	17.3	17.1	17.1	16.4	16.4
102.5°	14.8	14.8	15.7	16.0	15.5	15.1	15.1	14.8	14.6	13.7	13.5
105°	11.7	12.2	13.5	13.7	13.5	13.1	12.9	12.9	12.4	11.3	11.3
107.5°	9.5	10.0	11.5	12.0	11.7	11.5	11.3	11.1	10.6	9.5	9.5
110°	7.8	8.4	9.8	10.4	10.2	10.0	10.0	9.5	9.1	8.2	8.2



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CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	7.3	8.4	9.1	9.1	8.9	8.6	8.4	7.8	7.1	7.1
115°	5.8	6.4	7.5	8.0	8.0	7.8	7.5	7.3	6.6	6.2	6.4
117.5°	5.3	5.8	6.6	7.1	7.1	6.9	6.6	6.4	6.0	5.8	5.8
120°	4.9	5.3	6.0	6.4	6.4	6.2	6.0	5.8	5.3	5.3	5.3
122.5°	4.4	4.9	5.5	5.8	5.8	5.5	5.3	5.1	4.7	4.9	4.9
125°	4.2	4.4	4.9	5.3	5.3	5.1	4.9	4.4	4.2	4.4	4.4
127.5°	4.0	4.2	4.7	4.9	4.9	4.7	4.2	4.0	3.8	4.0	4.0
130°	3.8	4.0	4.2	4.4	4.4	4.0	3.8	3.5	3.5	3.8	3.8
132.5°	3.5	3.8	3.8	4.0	4.0	3.8	3.3	3.1	3.1	3.3	3.3
135°	3.3	3.3	3.5	3.5	3.5	3.3	2.9	2.7	2.9	3.1	3.1
137.5°	2.9	3.1	3.1	3.3	3.1	2.9	2.4	2.4	2.7	2.7	2.7
140°	2.7	2.7	2.9	2.9	2.7	2.4	2.2	2.0	2.2	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.0	1.8	1.8	2.0	2.0	2.0
145°	2.0	2.0	2.2	2.0	2.0	1.6	1.3	1.6	1.8	1.8	1.8
147.5°	1.6	1.8	1.8	1.8	1.6	1.1	0.9	1.3	1.6	1.6	1.6
150°	1.3	1.3	1.3	1.3	1.3	0.9	0.7	1.1	1.3	1.3	1.3
152.5°	1.1	1.1	1.3	1.3	1.1	0.7	0.4	0.9	1.1	1.1	0.9
155°	0.9	0.9	1.1	1.1	0.9	0.4	0.4	0.7	0.9	0.9	0.7
157.5°	0.7	0.9	0.9	0.9	0.7	0.4	0.2	0.4	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.9	0.7	0.4	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)