

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: P414479

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2069 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - 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

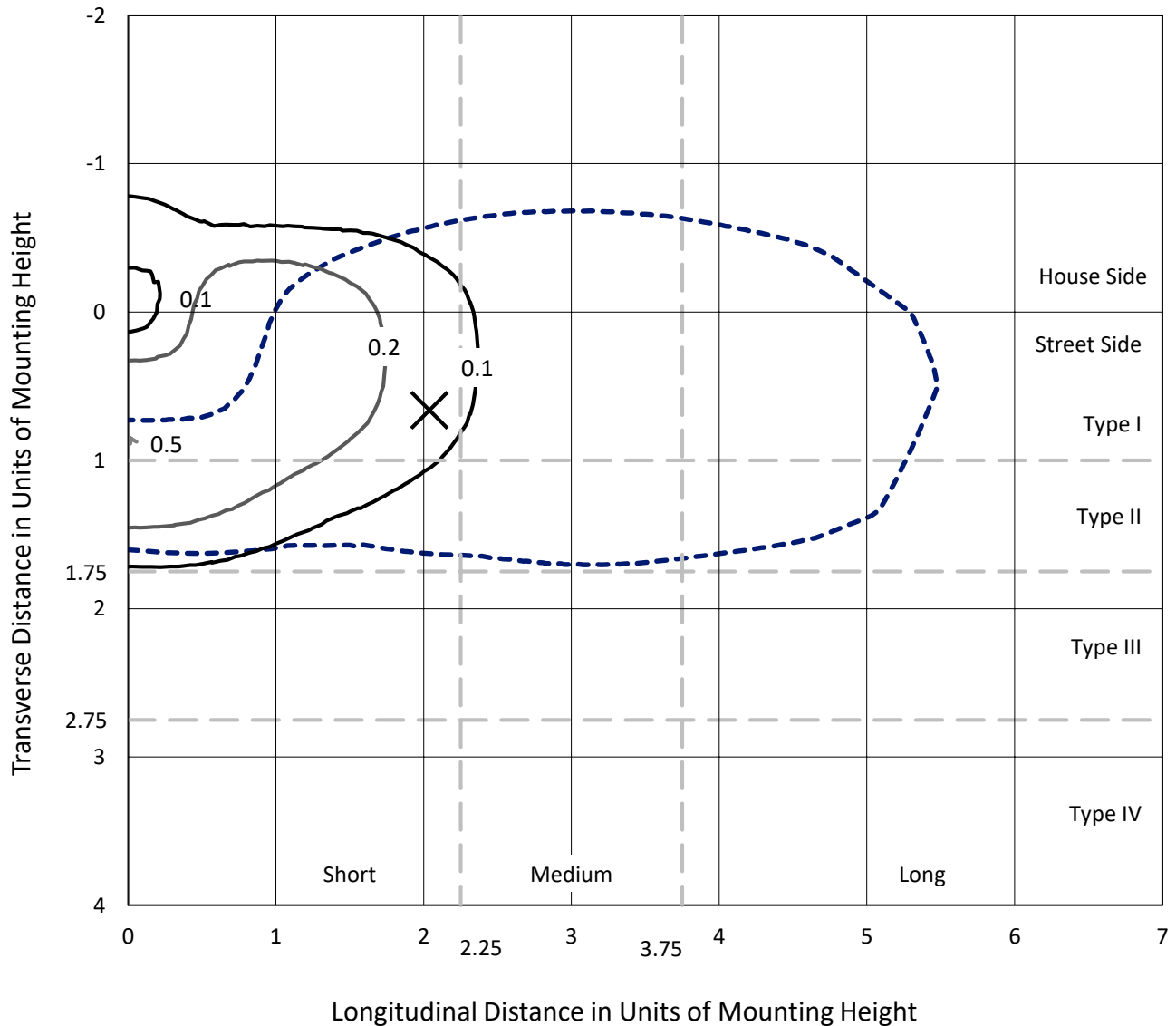


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

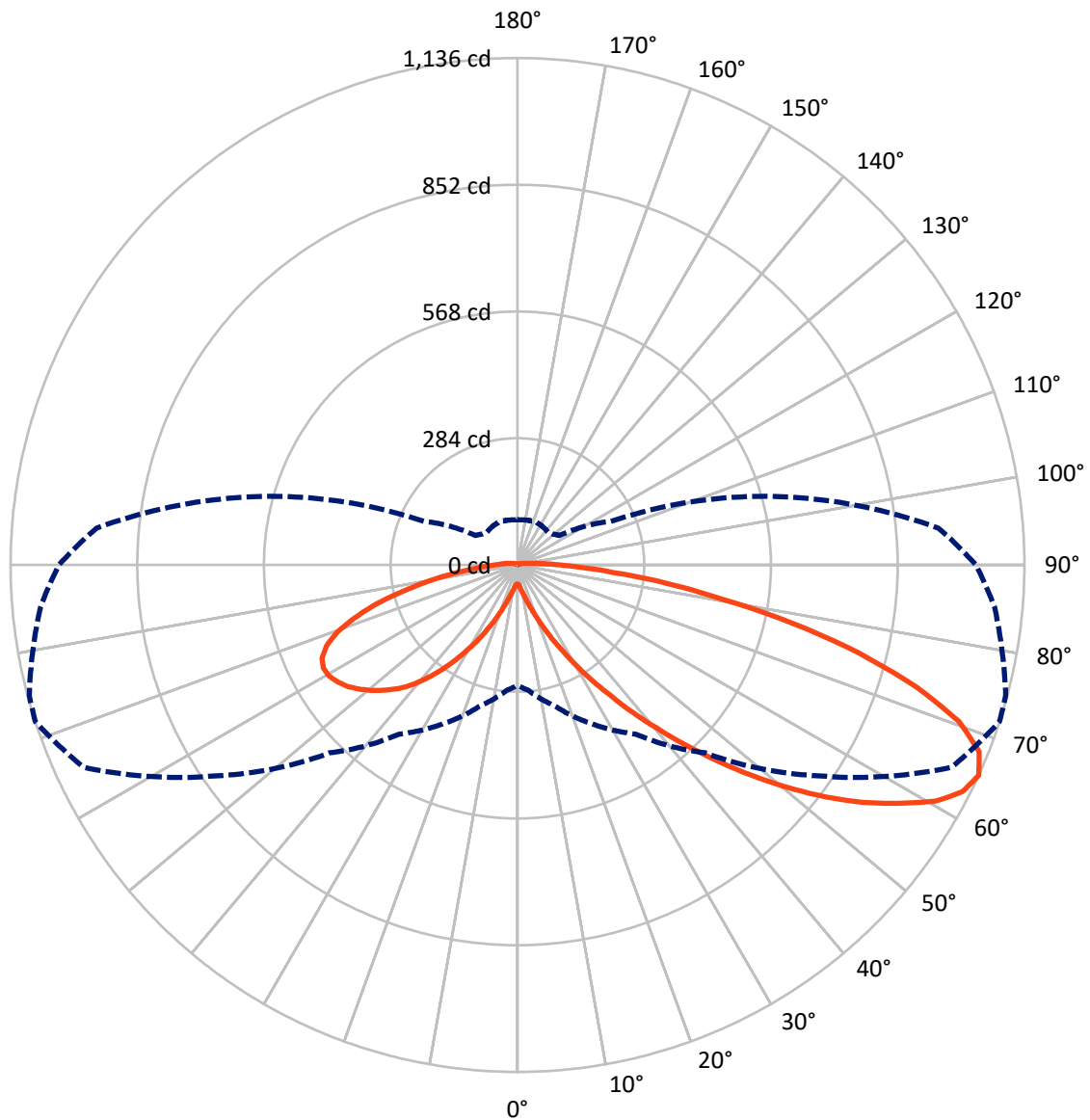


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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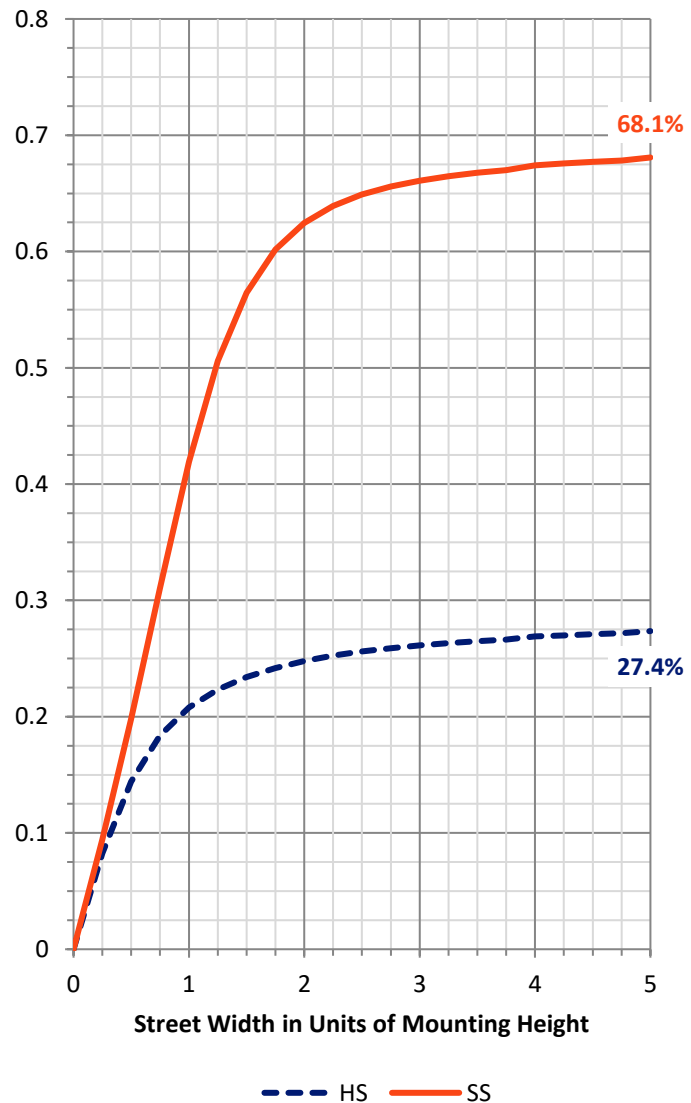
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.3	29.4	612.7
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	1427.7	28.6	1456.3
	% Fixture	69.0	1.4	70.4
Total	Lumens	2011.0	58.0	2069.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.2
10°-20°	25.0	1.2
20°-30°	79.3	3.8
30°-40°	190.0	9.2
40°-50°	350.8	17.0
50°-60°	478.0	23.1
60°-70°	466.0	22.5
70°-80°	304.3	14.7
80°-90°	112.7	5.4
90°-100°	31.3	1.5
100°-110°	13.1	0.6
110°-120°	6.6	0.3
120°-130°	3.7	0.2
130°-140°	2.1	0.1
140°-150°	0.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2011.0	97.2
0°-180°	2069.0	100.0



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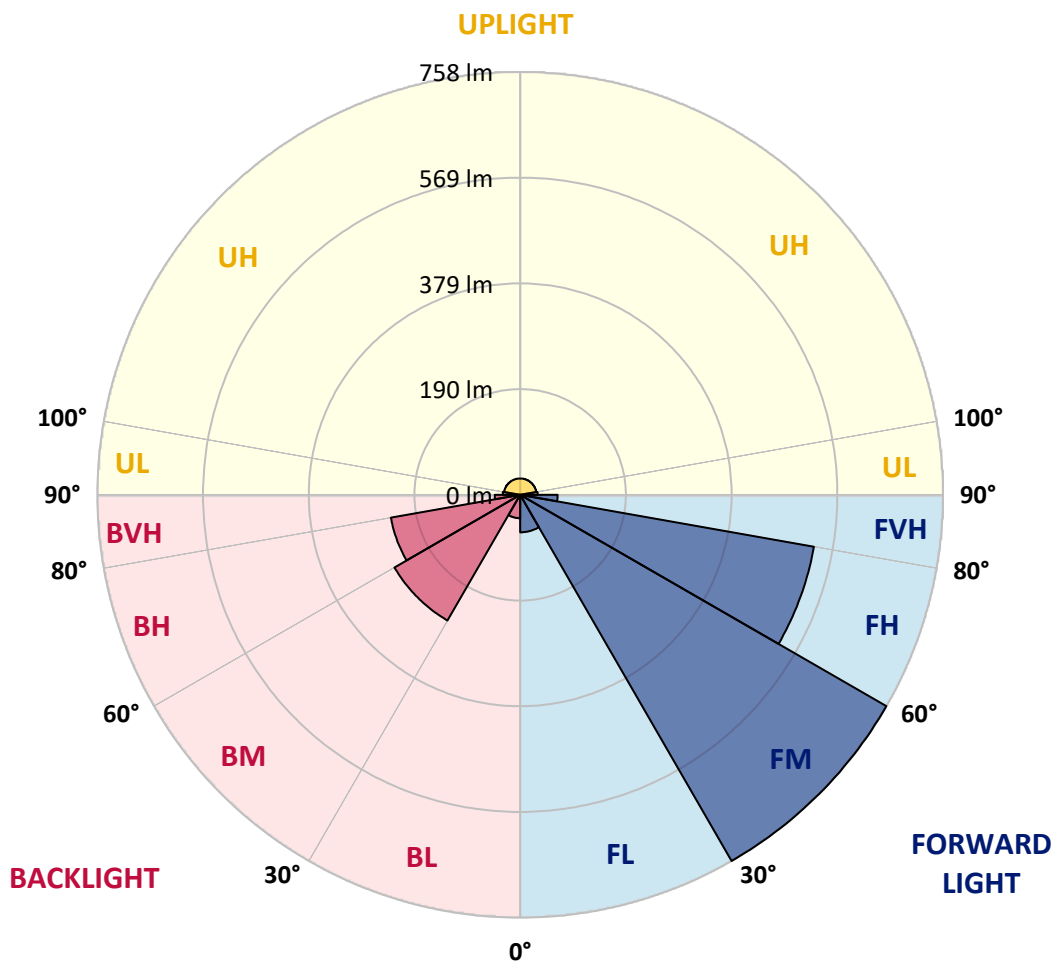
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.2	3.2			
FM	(30°-60°)	758.4	36.7			
FH	(60°-80°)	535.0	25.9			G0/660
FVH	(80°-90°)	67.1	3.2			G1/100
BL	(0°-30°)	42.0	2.0	B0/110		
BM	(30°-60°)	260.3	12.6	B1/1000		
BH	(60°-80°)	235.4	11.4	B1/500		G1/500
BVH	(80°-90°)	45.6	2.2			G1/100
UL	(90°-100°)	31.3	1.5		U2/50	
UH	(100°-180°)	29.4	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	47.7	47.4	46.9	46.7	46.7	46.2	45.7	45.0	44.5	44.3	43.8
5°	53.9	53.4	52.9	52.4	52.0	51.2	50.0	49.3	48.4	48.1	47.2
7.5°	62.7	62.3	60.8	60.3	59.6	58.7	57.2	55.8	54.8	54.1	52.7
10°	74.5	74.0	73.0	71.8	70.4	68.5	66.1	64.7	62.3	62.7	60.6
12.5°	90.5	89.3	88.1	86.2	83.3	81.2	77.8	76.4	73.8	73.8	71.1
15°	109.9	109.7	107.3	103.2	100.6	96.0	93.2	90.0	88.4	88.4	86.2
17.5°	135.1	133.4	131.5	126.0	120.0	114.5	110.6	108.5	106.6	106.1	103.2
20°	166.2	163.8	160.9	151.1	143.9	137.2	131.7	130.0	128.6	128.4	126.0
22.5°	205.7	200.7	195.4	185.8	174.3	162.6	158.8	154.9	155.2	155.7	150.1
25°	249.5	248.1	238.7	225.1	210.0	197.1	186.5	185.1	186.5	185.6	183.4
27.5°	305.8	301.0	289.3	271.8	247.8	232.8	221.5	220.5	220.8	222.0	218.4
30°	371.4	369.0	354.2	325.0	294.1	274.0	261.7	260.1	262.9	263.2	257.7
32.5°	448.8	444.0	421.2	388.7	346.5	320.9	307.0	306.5	309.6	310.3	306.0
35°	527.1	524.7	502.2	455.5	409.2	370.5	356.3	357.3	359.4	363.8	358.7
37.5°	617.3	610.9	581.9	532.6	474.1	427.7	412.6	416.0	419.3	419.3	412.4
40°	702.6	700.2	669.8	607.8	537.8	494.7	478.2	480.1	479.9	480.1	471.0
42.5°	781.6	773.5	746.7	680.8	608.7	564.9	545.0	548.1	551.0	553.2	530.2
45°	835.0	828.1	804.4	739.5	675.8	634.3	621.4	621.4	624.8	623.8	601.1
47.5°	853.9	853.0	835.3	785.9	727.5	695.4	696.1	698.8	703.8	699.2	666.7
50°	845.1	841.2	838.1	810.6	770.4	755.0	769.4	782.8	783.3	775.2	733.7
52.5°	789.5	790.0	805.8	800.8	782.3	797.9	841.7	865.4	863.3	855.4	805.6
55°	705.0	708.8	736.4	757.4	768.7	811.8	895.4	944.5	939.7	928.7	878.1
57.5°	592.4	604.9	641.8	687.8	728.0	798.9	924.6	1012.9	1007.9	1007.9	950.4
60°	472.7	482.8	537.1	593.2	656.6	755.3	927.5	1063.2	1075.4	1067.8	1001.7
62.5°	366.6	370.9	427.2	497.9	565.9	682.0	894.4	1087.2	1119.5	1113.0	1047.7
65°	269.9	282.1	327.6	392.2	462.7	595.6	823.8	1073.1	1136.3	1132.9	1073.1
67.5°	200.7	206.2	244.3	304.1	373.8	488.0	720.8	1011.3	1116.2	1119.0	1069.2
70°	150.4	151.8	181.5	230.8	290.2	385.1	600.8	912.6	1049.3	1062.3	1035.0
72.5°	113.7	116.4	141.0	179.8	223.9	296.5	474.9	778.5	935.4	967.4	957.2
75°	89.1	92.2	109.2	139.1	173.1	224.4	359.4	620.0	792.4	833.8	845.3
77.5°	70.4	73.8	88.1	111.1	135.1	173.1	264.1	463.8	632.9	674.3	707.9
80°	55.3	57.7	70.4	87.4	106.3	127.9	185.1	337.2	464.8	516.5	547.2
82.5°	42.1	44.8	54.6	69.0	83.3	97.7	132.2	229.4	337.2	360.6	412.8
85°	30.7	33.0	41.2	52.9	64.2	75.7	96.7	153.0	214.8	242.8	269.2
87.5°	22.5	23.5	30.7	39.3	49.3	57.2	69.7	97.7	136.5	150.4	172.4
90°	15.8	16.8	22.5	29.0	37.4	44.8	51.2	64.7	85.0	97.5	101.5
92.5°	11.7	12.5	16.8	21.8	28.7	34.7	38.8	45.7	55.3	60.6	63.9
95°	8.9	9.6	13.2	17.2	22.3	27.3	30.4	33.0	38.6	40.0	42.9
97.5°	7.2	7.7	10.8	14.1	18.0	22.5	24.2	25.6	27.5	29.0	30.2
100°	6.2	6.5	9.1	12.0	15.3	18.2	19.6	20.4	21.6	22.0	22.5
102.5°	5.5	5.5	7.9	10.3	13.2	15.3	16.5	16.5	16.8	17.0	16.8
105°	4.8	5.0	6.9	9.1	11.3	13.2	14.1	13.6	13.4	13.2	12.5
107.5°	4.5	4.5	6.2	8.1	10.1	11.5	12.2	11.3	10.8	10.3	9.6
110°	4.1	4.3	5.5	7.2	8.9	10.1	10.5	9.6	8.6	8.1	7.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	3.8	4.1	5.0	6.5	7.9	9.1	9.1	8.1	6.9	6.5	6.0
115°	3.8	3.8	4.5	5.7	7.2	8.1	8.1	6.9	5.7	5.3	5.0
117.5°	3.8	3.8	4.3	5.3	6.5	7.2	7.2	6.0	4.8	4.3	4.3
120°	3.6	3.6	4.1	4.8	6.0	6.5	6.2	5.3	4.1	3.8	3.8
122.5°	3.6	3.6	3.8	4.5	5.5	6.0	5.7	4.5	3.6	3.1	3.4
125°	3.8	3.6	3.8	4.3	5.0	5.3	5.0	3.8	3.1	2.9	3.1
127.5°	3.8	3.8	3.6	4.1	4.5	4.8	4.5	3.4	2.6	2.6	2.9
130°	3.8	3.8	3.6	3.8	4.1	4.3	3.8	2.9	2.4	2.4	2.6
132.5°	3.8	3.8	3.6	3.6	3.8	3.8	3.4	2.4	2.2	2.2	2.4
135°	3.8	3.8	3.4	3.4	3.4	3.4	2.9	2.2	1.9	1.9	2.2
137.5°	3.6	3.6	3.4	3.1	3.1	2.9	2.4	1.7	1.4	1.7	1.9
140°	3.4	3.4	3.1	2.6	2.6	2.4	1.9	1.4	1.2	1.4	1.4
142.5°	3.1	3.1	2.9	2.4	2.2	1.9	1.7	1.0	1.0	1.0	1.2
145°	2.9	2.9	2.6	1.9	1.7	1.4	1.2	0.7	0.7	0.7	1.0
147.5°	2.4	2.4	2.2	1.7	1.2	1.2	0.7	0.5	0.7	0.7	0.7
150°	1.9	1.9	1.7	1.2	1.0	0.7	0.2	0.5	0.5	0.5	0.7
152.5°	1.7	1.7	1.2	1.0	0.5	0.2	0.2	0.2	0.5	0.5	0.5
155°	1.2	1.2	1.0	0.5	0.2	0.0	0.2	0.2	0.2	0.2	0.2
157.5°	0.7	0.7	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
160°	0.2	0.2	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°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	43.3	43.3	43.1	42.9	42.6	42.4	41.9	41.7	41.7	41.4	41.4
5°	46.7	46.5	45.7	45.0	44.1	43.6	42.9	42.4	42.1	41.9	41.9
7.5°	52.0	51.5	50.0	48.9	47.7	46.7	45.5	44.8	44.5	43.8	44.1
10°	59.4	58.7	57.0	54.8	52.7	51.2	49.6	48.6	48.1	47.7	47.2
12.5°	70.2	68.7	65.9	63.0	59.9	57.0	55.3	54.6	55.1	54.8	55.1
15°	85.0	82.4	78.1	73.8	68.2	64.7	64.2	63.9	63.9	64.2	64.7
17.5°	101.8	98.9	93.4	85.5	79.0	75.4	73.3	73.0	74.2	74.5	74.2
20°	123.8	120.9	112.3	101.5	92.2	86.4	83.6	83.6	85.3	85.7	86.7
22.5°	147.5	145.8	134.1	119.3	106.8	97.5	93.4	93.9	96.3	97.0	97.5
25°	180.6	173.9	159.5	139.1	121.2	108.7	103.2	103.4	106.1	108.0	108.7
27.5°	217.0	209.3	188.2	161.6	135.5	118.1	111.8	112.1	115.2	117.6	118.1
30°	256.0	248.3	220.8	183.9	148.9	126.4	118.1	118.3	121.9	124.5	125.0
32.5°	297.7	291.4	252.9	207.9	160.7	132.2	122.1	122.4	125.5	127.9	128.4
35°	350.3	336.2	291.0	229.2	170.5	135.8	124.0	123.8	126.9	129.3	129.8
37.5°	402.3	387.2	327.1	249.0	176.2	136.7	123.6	123.6	126.0	127.9	128.1
40°	458.8	433.7	365.2	264.6	178.4	135.3	122.1	121.9	123.8	124.8	125.0
42.5°	519.6	488.8	402.5	277.1	177.4	132.2	119.5	119.7	120.5	120.5	120.2
45°	574.5	543.1	434.6	285.2	174.1	128.1	116.4	116.6	116.9	114.9	114.9
47.5°	638.9	600.8	464.8	287.1	167.4	124.0	114.0	114.5	113.3	110.6	110.2
50°	700.0	657.6	495.2	286.4	160.4	119.7	111.6	112.1	109.9	106.3	105.6
52.5°	768.0	713.6	524.0	282.8	152.1	115.9	109.9	110.4	108.0	103.7	103.0
55°	835.0	773.0	550.3	276.6	144.9	111.8	108.2	109.4	106.3	102.0	101.8
57.5°	899.0	831.9	572.1	267.5	137.2	109.0	107.0	108.5	105.6	101.3	101.1
60°	956.0	882.0	589.6	258.6	128.8	106.1	105.8	107.8	105.1	101.5	101.3
62.5°	995.9	927.0	597.5	246.7	122.1	103.0	104.4	106.3	104.4	101.5	101.5
65°	1027.8	947.1	594.4	230.8	114.9	99.6	102.5	104.4	103.2	101.3	101.5
67.5°	1021.8	946.6	574.0	211.9	108.2	96.0	99.1	101.8	100.8	100.1	99.9
70°	984.9	901.8	535.0	191.3	101.3	91.5	95.1	97.7	97.5	97.2	97.2
72.5°	909.0	824.2	476.5	167.6	94.1	86.7	89.8	92.2	92.7	92.4	91.7
75°	809.9	717.4	408.8	145.4	86.7	80.9	84.3	85.7	86.4	86.0	86.0
77.5°	664.5	598.2	325.0	122.8	78.8	74.5	76.9	78.1	79.0	77.8	77.1
80°	528.0	455.0	250.0	100.3	70.2	67.3	68.5	69.0	69.9	68.7	67.3
82.5°	370.7	324.2	181.3	81.9	61.5	59.1	59.9	59.6	60.1	58.4	56.5
85°	247.6	217.9	124.8	65.9	52.7	50.5	50.5	49.8	49.3	47.7	46.2
87.5°	155.4	137.9	85.7	52.0	44.3	42.6	41.7	40.2	39.8	38.6	36.9
90°	95.8	88.1	59.9	41.7	36.9	35.4	34.5	32.3	32.1	30.2	29.0
92.5°	62.7	57.5	44.3	33.8	30.9	29.5	28.3	26.3	26.1	24.7	23.9
95°	41.4	40.2	33.8	28.3	26.1	24.9	23.7	22.0	21.6	20.1	19.2
97.5°	30.4	30.4	27.8	23.9	22.3	21.1	20.4	18.9	18.0	16.5	16.0
100°	23.0	23.2	22.3	20.6	19.2	18.0	17.2	16.0	15.3	13.9	13.6
102.5°	17.7	18.2	18.4	17.5	16.5	15.6	14.8	13.9	12.9	11.5	11.3
105°	13.6	14.1	15.1	14.8	14.4	13.6	12.9	12.0	10.8	9.6	9.6
107.5°	10.5	11.0	12.5	12.7	12.5	11.7	11.3	10.3	9.3	8.1	8.1
110°	8.1	8.9	10.3	10.8	10.8	10.3	9.8	8.9	7.7	6.9	6.9



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CATALOG NUMBER: LXF.LXT-PA1-20-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.7	7.4	8.6	9.3	9.3	9.1	8.4	7.4	6.5	6.0	6.0
115°	5.5	6.2	7.4	8.1	8.1	7.9	7.4	6.5	5.5	5.3	5.3
117.5°	4.8	5.3	6.2	6.9	7.2	6.9	6.5	5.5	4.8	4.8	4.8
120°	4.3	4.8	5.5	6.0	6.2	6.0	5.5	4.8	4.1	4.3	4.3
122.5°	3.8	4.1	4.8	5.5	5.5	5.5	5.0	4.1	3.6	3.8	3.8
125°	3.4	3.8	4.3	4.8	5.0	4.8	4.3	3.6	3.1	3.4	3.6
127.5°	3.1	3.4	3.8	4.3	4.3	4.3	3.8	3.1	2.9	3.1	3.1
130°	2.9	3.1	3.4	3.8	3.8	3.8	3.4	2.6	2.6	2.9	2.9
132.5°	2.6	2.9	3.1	3.4	3.4	3.4	2.9	2.4	2.2	2.6	2.6
135°	2.4	2.4	2.6	2.9	2.9	2.9	2.4	1.9	1.9	2.4	2.4
137.5°	1.9	2.2	2.4	2.4	2.4	2.4	1.9	1.7	1.7	1.9	1.9
140°	1.7	1.7	1.9	1.9	1.9	1.9	1.7	1.2	1.4	1.7	1.7
142.5°	1.4	1.4	1.7	1.7	1.7	1.4	1.2	1.0	1.2	1.4	1.4
145°	1.0	1.2	1.2	1.2	1.2	1.0	0.7	0.7	1.0	1.2	1.2
147.5°	1.0	1.0	1.0	1.0	1.0	0.7	0.5	0.5	0.7	1.0	1.0
150°	0.7	0.7	1.0	1.0	0.7	0.5	0.2	0.2	0.5	0.7	0.7
152.5°	0.5	0.5	0.7	0.7	0.5	0.2	0.0	0.0	0.2	0.2	0.2
155°	0.5	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.2	0.2	0.2	0.2	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)