

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: P414201

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
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-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2334 lumens  
Efficiency: N/A  
Efficacy: 111.1 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

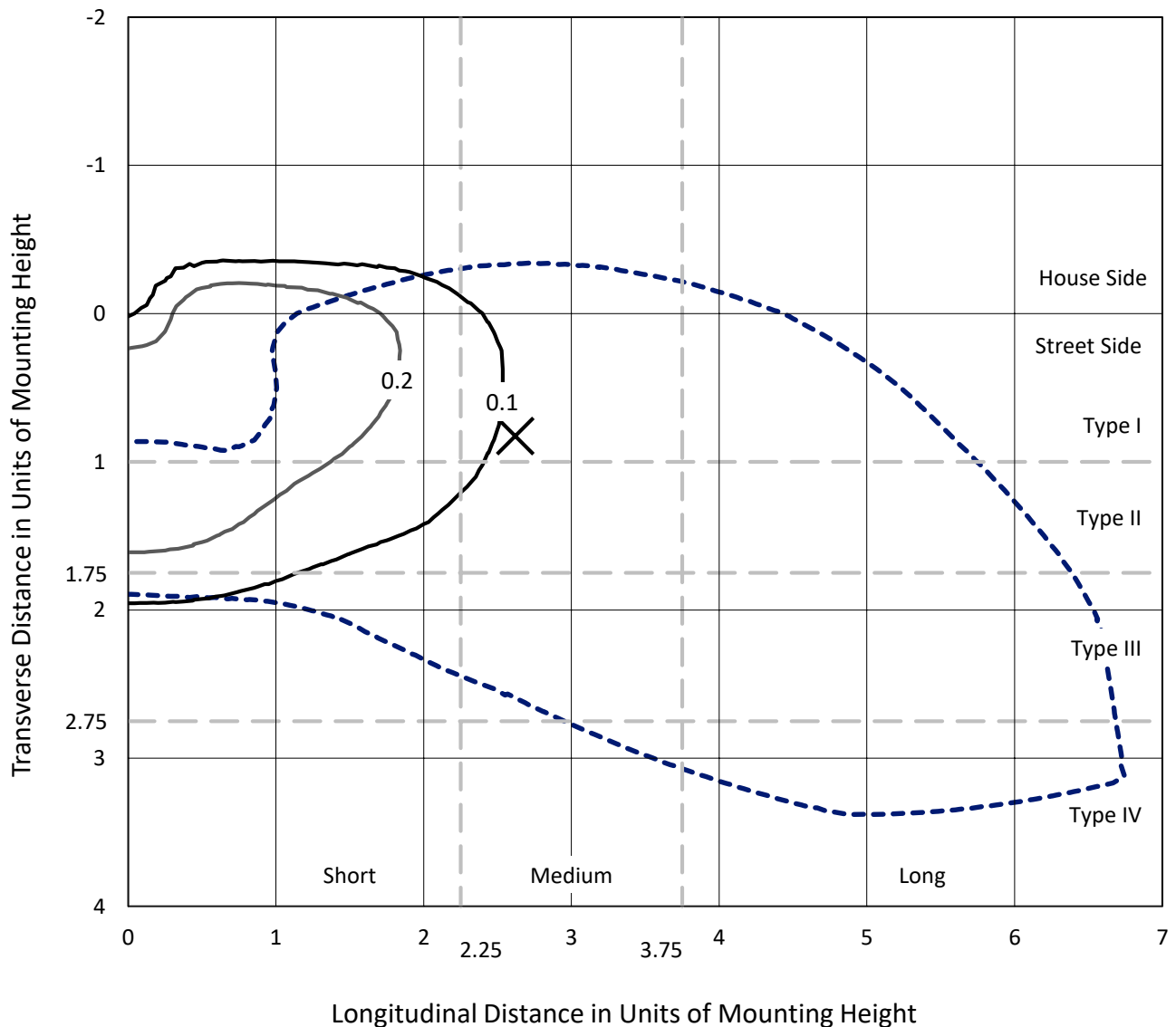
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

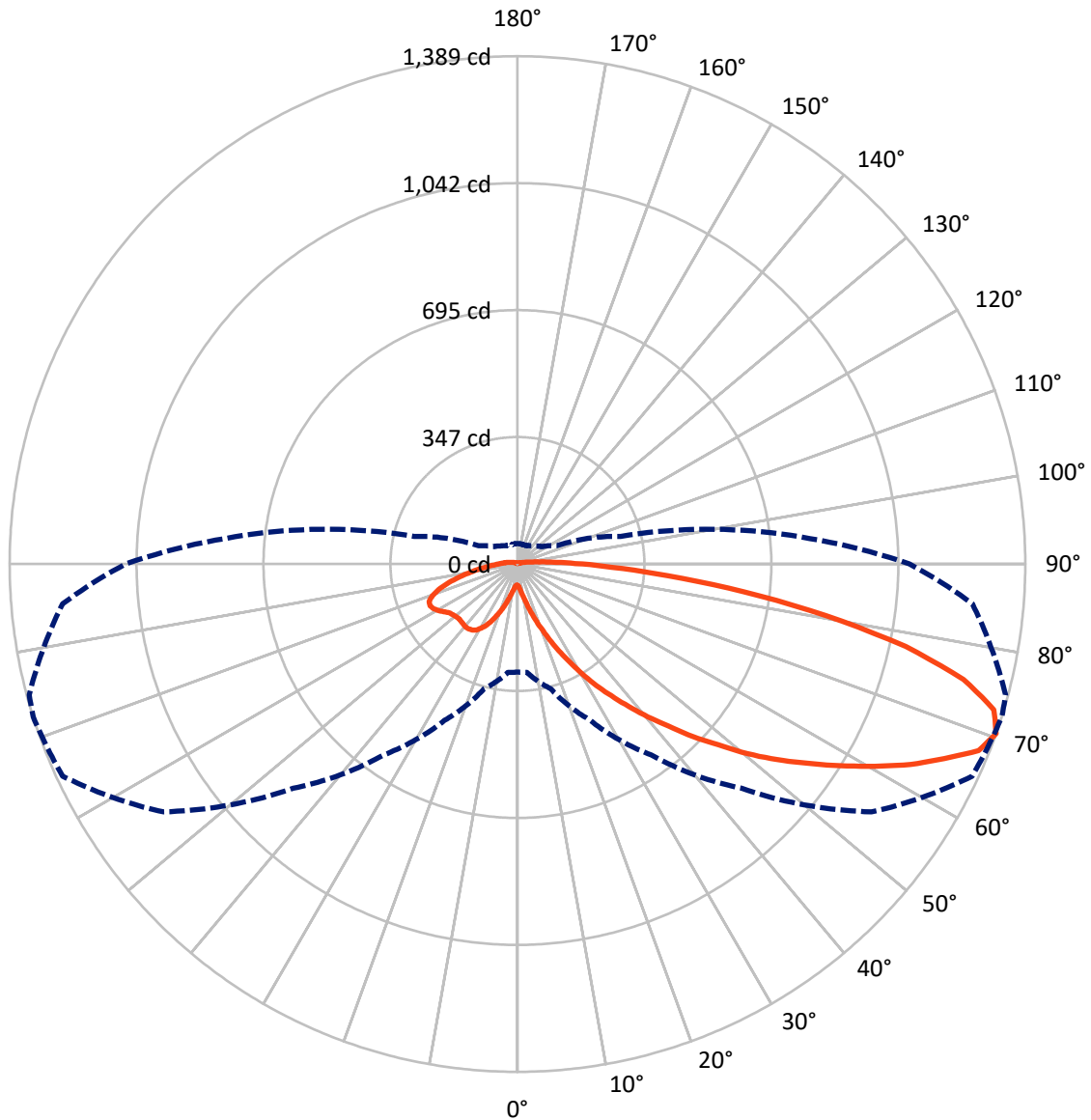
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	419.6	38.1	457.7
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	1832.4	43.9	1876.3
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	2252.0	82.0	2334.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.3
10°-20°	31.6	1.4
20°-30°	88.2	3.8
30°-40°	182.8	7.8
40°-50°	315.7	13.5
50°-60°	466.3	20.0
60°-70°	550.4	23.6
70°-80°	436.8	18.7
80°-90°	173.7	7.4
90°-100°	45.9	2.0
100°-110°	17.7	0.8
110°-120°	8.6	0.4
120°-130°	4.9	0.2
130°-140°	2.9	0.1
140°-150°	1.4	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2252.0	96.5
0°-180°	2334.0	100.0

**Coefficient of Utilization**



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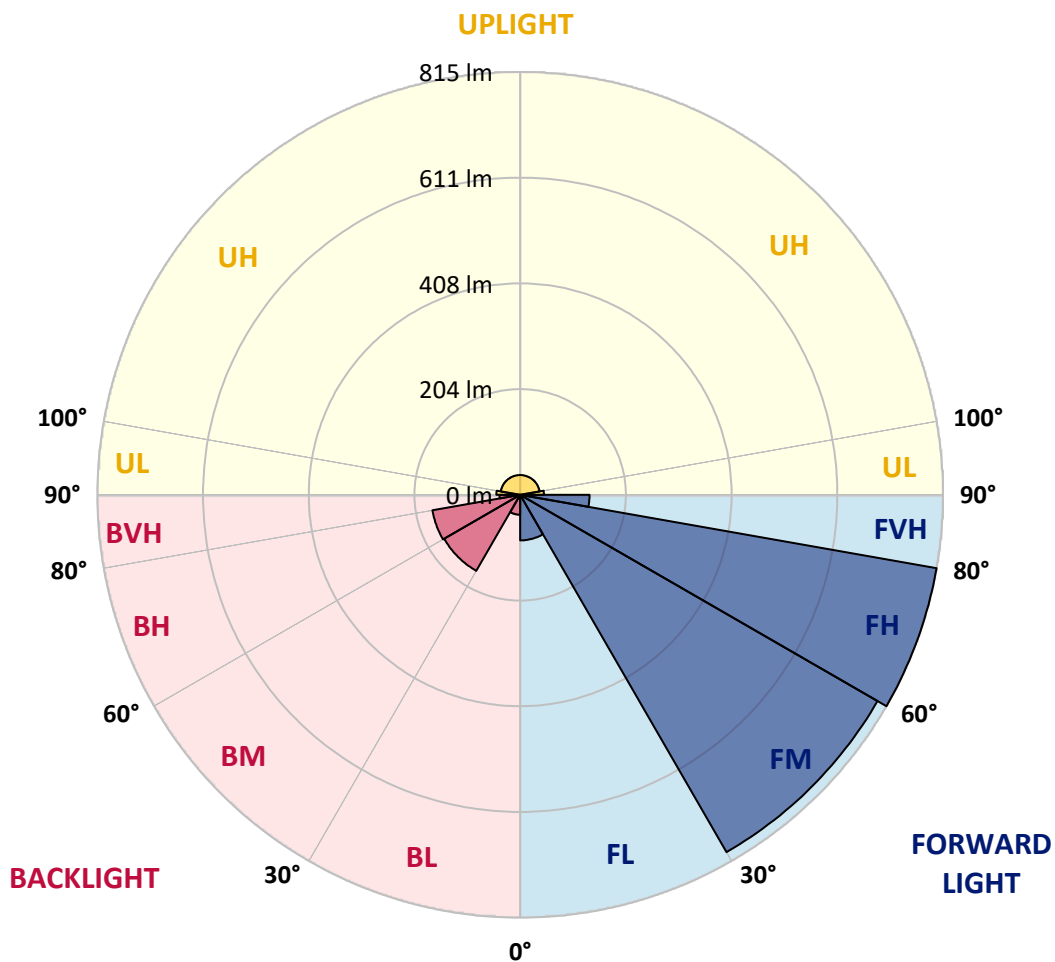
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.8	3.8			
FM	(30°-60°)	795.5	34.1			
FH	(60°-80°)	815.3	34.9			G1/1800
FVH	(80°-90°)	133.7	5.7			G2/225
BL	(0°-30°)	38.5	1.6	B0/110		
BM	(30°-60°)	169.3	7.3	B0/220		
BH	(60°-80°)	171.9	7.4	B1/500		G1/500
BVH	(80°-90°)	39.9	1.7			G1/100
UL	(90°-100°)	45.9	2.0		U2/50	
UH	(100°-180°)	38.1	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°	72.5°	75°	85°
0°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
2.5°	65.6	65.9	65.6	65.6	65.0	64.8	63.1	62.0	61.2	60.6	59.8
5°	76.0	76.6	76.3	76.3	74.9	74.1	72.2	70.0	68.3	68.1	65.6
7.5°	90.0	89.7	88.6	88.4	87.8	86.4	83.7	80.4	78.8	78.2	74.6
10°	107.3	105.9	106.5	104.6	103.5	101.3	98.8	96.3	93.0	93.0	88.1
12.5°	124.6	127.6	126.8	124.0	121.8	118.3	115.3	114.4	110.6	111.1	106.5
15°	152.9	152.6	150.1	148.2	143.8	139.4	136.7	134.7	133.6	132.8	127.6
17.5°	182.8	181.1	179.2	173.4	167.1	163.3	160.8	158.9	160.3	160.0	153.7
20°	217.4	215.4	212.7	202.3	194.0	188.0	186.6	188.8	189.6	191.8	185.5
22.5°	255.8	254.9	248.4	236.6	222.6	214.6	213.2	218.4	224.8	225.9	221.5
25°	301.9	300.8	291.7	274.7	256.3	244.2	244.2	252.5	262.9	265.4	263.2
27.5°	351.3	348.5	336.7	315.9	290.6	275.0	273.1	287.9	302.4	309.6	306.8
30°	408.1	407.5	388.0	362.5	332.3	307.4	306.5	328.2	348.8	352.1	352.6
32.5°	466.5	471.2	448.7	410.6	374.1	344.7	343.3	367.7	396.3	402.0	402.0
35°	534.0	534.3	506.6	468.7	418.8	385.3	381.5	410.6	442.4	450.3	454.7
37.5°	602.1	600.5	575.5	523.3	467.4	427.0	423.5	457.8	494.0	506.9	506.1
40°	669.1	673.7	642.2	584.5	517.0	476.1	467.4	507.7	549.4	564.0	558.2
42.5°	741.2	740.1	711.9	647.7	572.5	523.6	518.4	560.1	606.5	623.0	617.7
45°	804.4	803.8	773.1	708.9	625.4	578.5	571.4	615.6	673.7	689.1	678.4
47.5°	862.5	861.2	829.3	764.0	671.8	630.9	631.5	676.8	738.5	763.7	747.3
50°	907.6	902.9	882.9	812.3	722.0	686.1	696.5	749.8	815.6	838.4	820.6
52.5°	931.7	924.6	908.9	846.1	769.5	740.7	760.7	823.8	888.9	910.6	891.1
55°	920.2	920.2	911.4	866.7	803.3	790.6	831.0	894.7	962.4	986.3	969.0
57.5°	873.8	880.9	885.0	861.2	826.6	840.0	904.0	975.3	1040.4	1066.7	1043.9
60°	792.6	794.5	824.7	831.5	835.9	882.0	979.7	1064.8	1123.3	1144.1	1118.3
62.5°	677.6	686.6	723.4	774.2	822.2	916.9	1059.3	1154.8	1207.5	1221.5	1183.9
65°	549.7	547.5	615.6	691.6	784.3	927.0	1123.5	1242.1	1283.0	1301.6	1236.3
67.5°	416.9	415.5	478.3	589.8	720.1	916.3	1175.7	1316.2	1361.2	1361.7	1269.3
70°	295.6	297.8	353.5	471.8	637.2	867.5	1182.0	1372.7	1389.2	1382.6	1249.2
72.5°	200.6	202.3	255.2	361.4	527.5	788.4	1129.3	1366.7	1362.8	1344.4	1166.9
75°	129.3	140.2	179.5	274.7	427.0	674.6	1026.9	1280.2	1260.2	1229.7	1023.9
77.5°	89.2	94.7	124.9	200.1	333.7	557.1	881.8	1106.5	1085.7	1048.3	825.5
80°	60.4	62.8	85.9	149.6	262.6	438.0	718.5	890.8	854.9	816.4	619.1
82.5°	40.3	45.0	61.7	107.3	198.7	338.1	546.4	680.3	623.2	590.0	435.0
85°	26.9	29.4	43.9	77.9	143.8	246.2	393.3	462.1	411.9	382.6	278.0
87.5°	18.1	20.3	31.3	55.7	106.5	178.9	263.5	298.6	258.2	239.9	168.2
90°	12.1	13.4	23.1	40.1	75.2	124.9	177.8	184.4	158.3	147.1	102.9
92.5°	8.5	9.9	17.3	29.6	52.7	86.7	114.2	111.7	93.3	87.8	66.4
95°	6.6	7.7	13.4	22.8	38.4	59.6	74.4	68.1	59.0	57.1	45.8
97.5°	5.8	6.3	11.3	18.4	29.1	42.3	48.3	46.1	39.8	38.7	33.5
100°	5.2	5.8	9.9	15.9	23.3	31.0	34.6	32.1	28.8	28.0	24.7
102.5°	4.9	5.2	8.8	13.7	19.2	24.4	26.6	23.9	21.4	21.1	18.9
105°	4.7	4.9	7.7	11.8	16.2	20.0	20.9	18.7	16.7	15.9	14.3
107.5°	4.4	4.4	6.9	10.4	14.0	16.7	17.3	15.1	12.9	12.3	11.3
110°	4.1	4.4	6.3	9.3	12.3	14.5	14.5	12.3	10.2	9.6	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	4.1	4.1	5.8	8.2	11.0	12.6	12.3	10.2	8.2	7.4	7.4
115°	3.8	4.1	5.5	7.7	9.9	11.0	10.4	8.5	6.6	6.0	6.3
117.5°	3.8	4.1	4.9	6.9	8.8	9.6	9.1	7.1	5.5	5.2	5.8
120°	3.8	4.1	4.9	6.3	7.7	8.5	8.0	6.0	4.9	4.7	5.2
122.5°	4.1	4.1	4.7	5.8	7.1	7.7	6.9	5.2	4.4	4.1	4.7
125°	4.1	4.1	4.7	5.5	6.6	6.9	6.0	4.7	3.8	3.8	4.4
127.5°	4.1	4.1	4.7	5.2	6.0	6.0	5.5	4.1	3.6	3.6	4.1
130°	4.1	4.1	4.4	4.9	5.5	5.5	4.7	3.6	3.3	3.3	3.8
132.5°	4.4	4.4	4.4	4.7	4.9	4.9	4.1	3.3	3.0	3.0	3.8
135°	4.1	4.1	4.1	4.4	4.4	4.4	3.6	3.0	2.7	3.0	3.6
137.5°	3.8	3.8	4.1	4.1	4.1	3.8	3.0	2.5	2.5	2.7	3.3
140°	3.8	3.6	3.8	3.8	3.6	3.3	2.7	2.2	2.2	2.5	2.7
142.5°	3.3	3.3	3.3	3.3	3.0	2.7	2.2	1.9	2.2	2.2	2.5
145°	3.0	3.0	3.0	2.7	2.7	2.2	1.6	1.6	1.6	1.9	2.2
147.5°	2.5	2.5	2.5	2.5	2.2	1.9	1.1	1.4	1.4	1.4	1.6
150°	1.9	1.9	2.2	1.9	1.6	1.4	0.8	1.1	1.4	1.4	1.4
152.5°	1.6	1.6	1.6	1.6	1.4	0.8	0.8	1.1	1.1	1.1	1.4
155°	1.1	1.1	1.1	1.1	0.8	0.5	0.8	0.8	1.1	1.1	1.1
157.5°	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
160°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
162.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
165°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
167.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
170°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
172.5°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
175°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
177.5°	0.0	0.3	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.8
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
2.5°	59.3	58.7	57.6	56.5	55.7	54.9	54.3	53.5	53.0	53.0	53.0
5°	63.9	63.4	60.6	57.9	55.4	53.2	51.6	49.7	48.8	48.0	48.3
7.5°	73.3	71.4	67.0	62.3	58.2	53.8	50.5	47.8	46.1	45.0	45.0
10°	85.9	82.9	76.3	69.2	62.3	56.0	51.0	47.2	44.5	43.4	43.4
12.5°	102.1	99.1	88.9	78.2	67.8	58.7	52.4	47.5	44.5	43.1	43.1
15°	123.8	118.6	104.8	89.5	74.4	62.0	53.8	49.7	47.8	46.9	46.9
17.5°	149.6	141.9	124.0	101.0	81.0	65.3	57.4	53.5	51.9	51.6	51.6
20°	179.8	170.1	143.3	112.5	86.2	69.4	60.4	57.1	56.5	56.8	56.8
22.5°	214.1	200.1	163.0	122.9	91.1	71.9	62.6	59.8	60.4	61.7	61.5
25°	250.3	235.5	184.7	132.3	94.4	73.0	63.9	62.3	64.5	66.1	66.1
27.5°	292.5	269.5	204.5	138.9	95.2	72.2	64.2	63.4	66.4	68.9	69.4
30°	335.6	306.0	221.5	143.0	93.6	70.3	63.1	63.7	67.2	70.5	70.8
32.5°	379.3	340.6	235.5	143.8	90.8	67.8	62.0	63.1	67.0	70.5	71.1
35°	422.6	373.0	244.8	140.8	86.4	65.3	60.1	62.0	65.9	70.0	70.5
37.5°	465.2	403.7	250.6	135.8	82.1	63.1	58.7	60.6	64.5	69.2	69.7
40°	511.5	436.6	253.9	130.1	77.7	61.2	57.9	59.8	63.7	68.1	68.9
42.5°	554.1	466.8	254.1	122.9	74.4	60.4	57.4	59.0	62.6	67.2	68.1
45°	609.5	497.8	254.1	116.9	72.2	60.1	57.4	58.7	62.0	67.0	68.1
47.5°	661.9	533.5	254.7	111.7	71.1	60.6	57.9	58.5	61.2	67.0	68.1
50°	722.9	567.8	259.1	107.9	70.8	61.7	58.7	58.2	60.4	66.4	67.8
52.5°	783.5	613.1	264.6	105.1	71.4	62.8	59.3	58.2	59.6	65.0	66.7
55°	849.9	656.2	270.6	105.4	72.5	63.9	60.1	57.9	58.5	62.8	64.5
57.5°	916.3	706.7	283.8	107.0	73.8	65.3	60.9	57.9	57.1	60.4	61.7
60°	974.5	751.1	297.5	110.6	75.7	66.7	61.5	57.6	56.0	57.9	59.0
62.5°	1036.0	799.7	308.5	113.6	77.9	67.8	61.5	57.4	55.2	56.5	57.1
65°	1076.1	828.5	314.2	117.5	80.1	68.6	61.7	56.8	54.9	55.7	56.3
67.5°	1096.6	833.2	310.4	118.8	82.1	69.2	61.5	56.3	55.2	55.7	56.3
70°	1072.2	802.2	292.0	118.0	82.6	69.2	60.9	55.7	55.2	56.0	56.3
72.5°	983.8	727.5	264.8	113.9	81.8	68.1	60.1	54.9	54.9	56.3	56.3
75°	847.2	620.2	229.2	107.6	79.6	66.4	58.5	53.5	54.1	56.0	56.0
77.5°	678.4	490.7	188.8	98.5	75.5	63.7	56.3	51.6	53.0	55.2	54.9
80°	505.0	365.5	152.0	88.4	70.0	59.8	53.2	49.4	51.3	53.2	52.7
82.5°	336.5	256.6	120.2	77.7	64.2	56.0	49.9	46.4	48.8	50.8	49.9
85°	218.4	171.0	93.0	67.0	58.2	51.6	45.8	43.1	45.6	47.2	46.4
87.5°	136.1	114.7	70.8	57.1	51.9	46.7	42.3	39.2	41.7	43.4	42.3
90°	90.0	76.8	55.7	49.4	46.1	42.0	37.9	35.7	38.1	38.7	37.9
92.5°	59.3	54.3	45.3	42.3	40.6	37.3	34.3	32.4	34.3	34.6	34.0
95°	42.5	41.2	37.3	36.8	36.0	33.2	30.7	29.1	30.2	30.5	29.4
97.5°	32.4	32.1	31.8	31.8	31.3	29.4	27.2	25.8	26.3	26.1	25.2
100°	25.2	25.8	26.6	27.2	26.9	25.5	23.9	22.8	23.1	22.0	21.1
102.5°	19.8	20.9	22.2	23.1	23.1	22.0	21.1	20.0	19.2	17.8	17.6
105°	15.6	16.5	18.4	19.8	19.8	19.2	18.4	17.0	16.2	14.5	14.5
107.5°	12.3	13.4	15.6	16.7	17.0	16.5	15.9	14.8	13.4	11.8	11.8
110°	9.9	10.7	13.2	14.3	14.5	14.3	13.7	12.3	11.0	9.9	9.9



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CATALOG NUMBER: LXF.LXT-PA1-20-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	9.1	11.0	12.1	12.6	12.3	11.8	10.4	9.1	8.2	8.2
115°	7.1	8.0	9.3	10.4	10.7	10.7	9.9	9.1	7.4	7.1	7.1
117.5°	6.3	6.9	8.2	9.1	9.6	9.3	8.5	7.7	6.6	6.3	6.3
120°	5.8	6.3	7.4	8.2	8.2	8.0	7.4	6.6	5.8	5.5	5.8
122.5°	5.2	5.8	6.6	7.1	7.1	7.1	6.6	5.8	4.9	4.9	5.2
125°	4.9	5.2	6.0	6.3	6.6	6.3	5.8	4.9	4.4	4.7	4.7
127.5°	4.7	4.9	5.5	5.8	5.8	5.5	4.9	4.4	3.8	4.1	4.4
130°	4.4	4.7	4.9	5.2	5.2	4.9	4.4	3.8	3.6	3.8	3.8
132.5°	3.8	4.1	4.4	4.7	4.4	4.4	3.8	3.3	3.3	3.6	3.6
135°	3.6	3.8	3.8	4.1	3.8	3.8	3.3	3.0	3.0	3.3	3.3
137.5°	3.3	3.6	3.6	3.6	3.3	3.3	3.0	2.7	2.7	2.7	3.0
140°	3.0	3.0	3.0	3.0	2.7	2.7	2.5	2.2	2.5	2.5	2.5
142.5°	2.7	2.7	2.7	2.5	2.5	2.2	1.9	1.9	2.2	2.2	2.2
145°	2.2	2.2	2.2	1.9	1.9	1.6	1.6	1.6	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.6	1.4	1.4	1.4	1.4	1.6	1.6	1.6
150°	1.6	1.6	1.6	1.4	1.1	1.1	0.8	1.1	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.1	0.5	0.8	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.4	1.1	0.8	0.3	0.5	0.8	0.8	0.8	0.8
157.5°	1.1	1.1	1.1	0.8	0.5	0.3	0.5	0.5	0.8	0.5	0.8
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
162.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.3	0.3	0.3
165°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)