

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: P694607

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-740-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2878.9 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G1

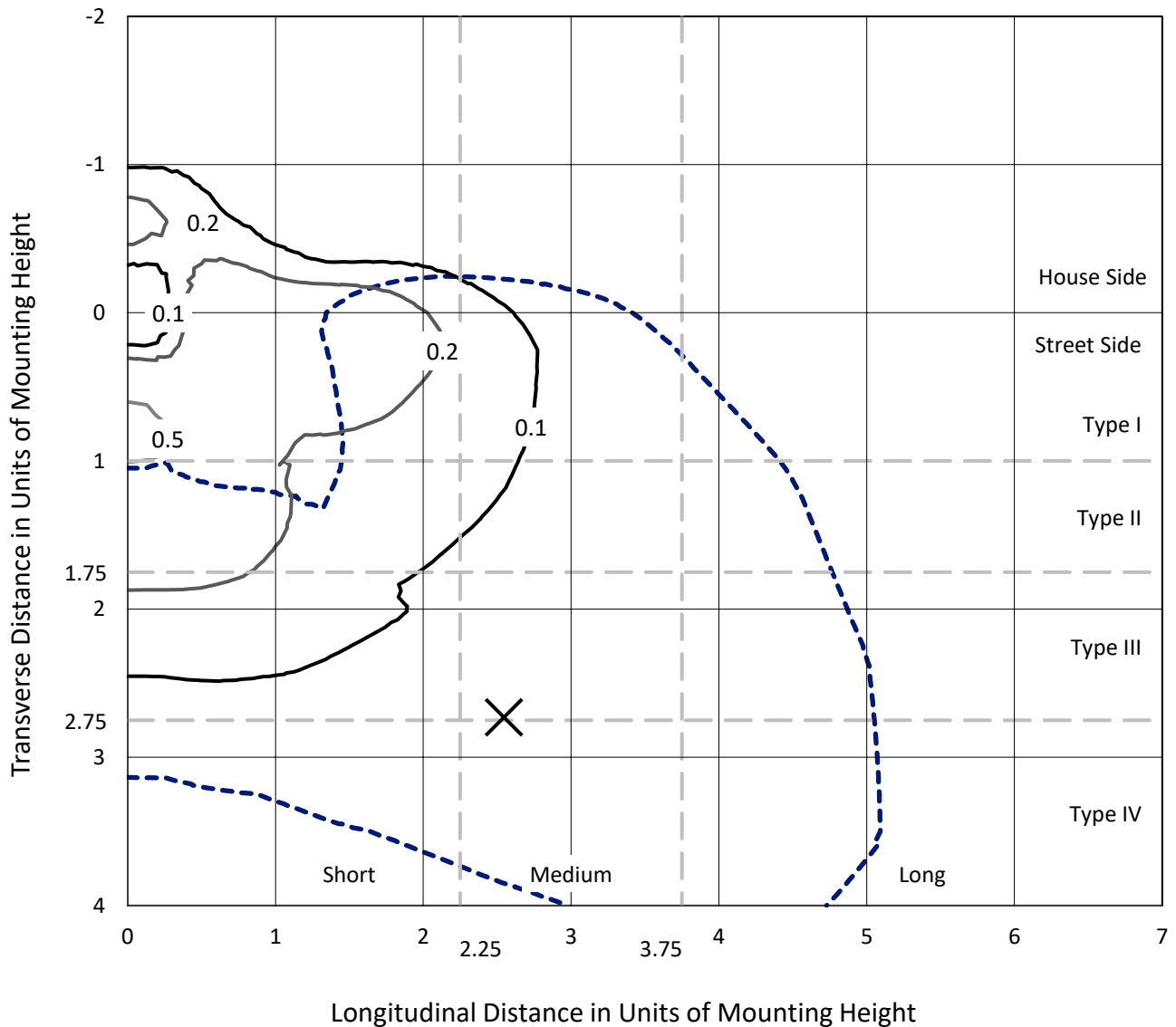
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

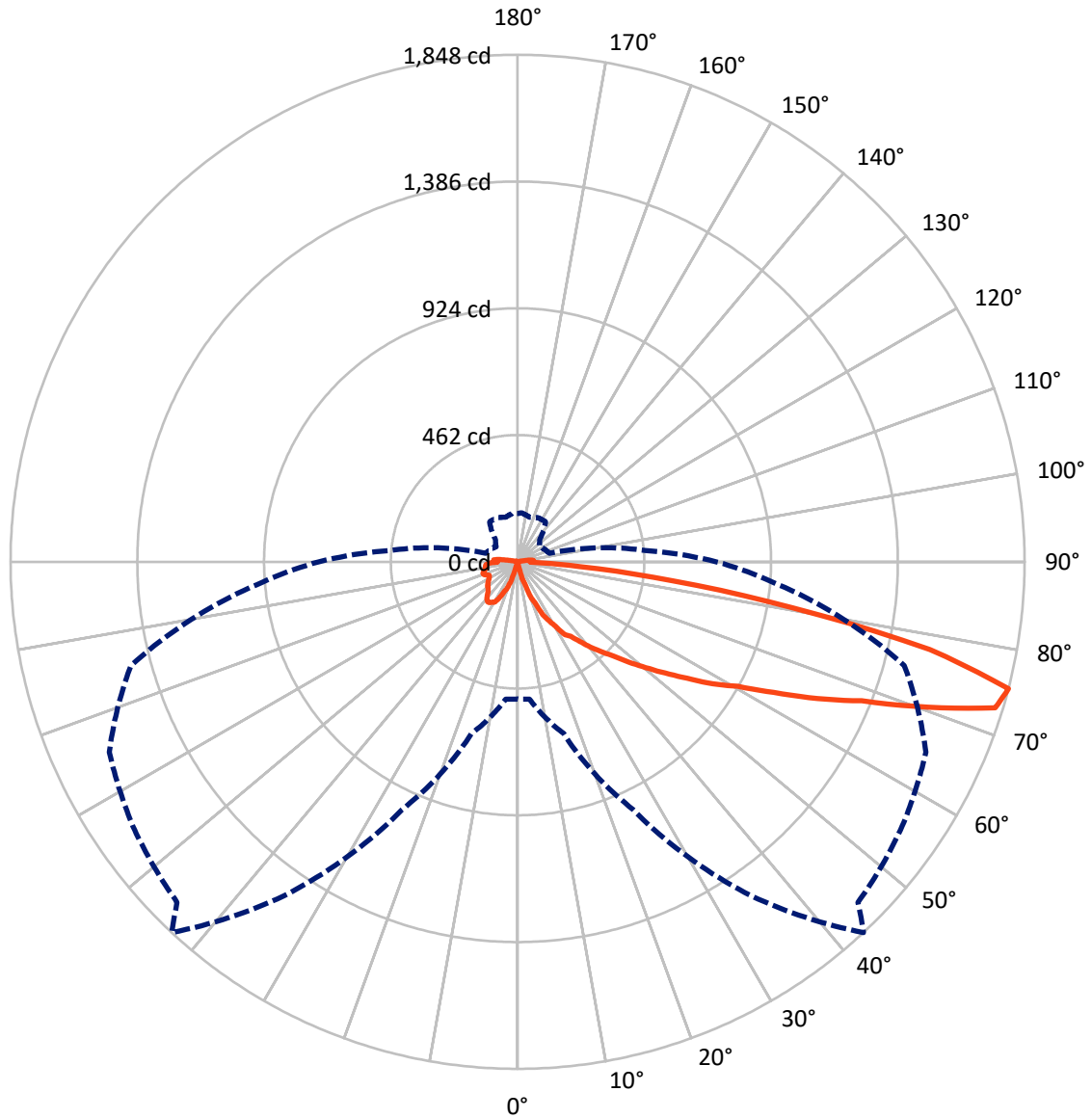
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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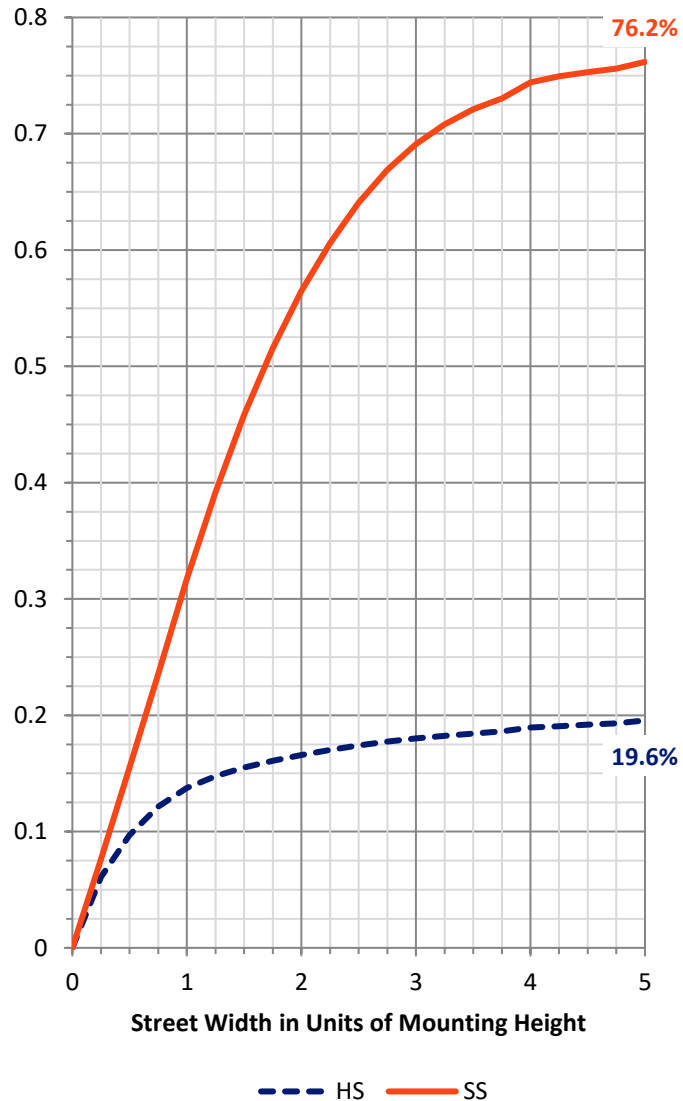
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	599.8	40.4	640.2
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	2209.4	29.3	2238.7
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	2809.3	69.7	2878.9
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	17.1	0.6
20°-30°	93.5	3.2
30°-40°	218.9	7.6
40°-50°	331.6	11.5
50°-60°	515.8	17.9
60°-70°	777.0	27.0
70°-80°	699.2	24.3
80°-90°	155.8	5.4
90°-100°	53.6	1.9
100°-110°	8.8	0.3
110°-120°	2.8	0.1
120°-130°	2.1	0.1
130°-140°	1.3	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2809.3	97.6
0°-180°	2878.9	100.0

**Coefficient of Utilization**



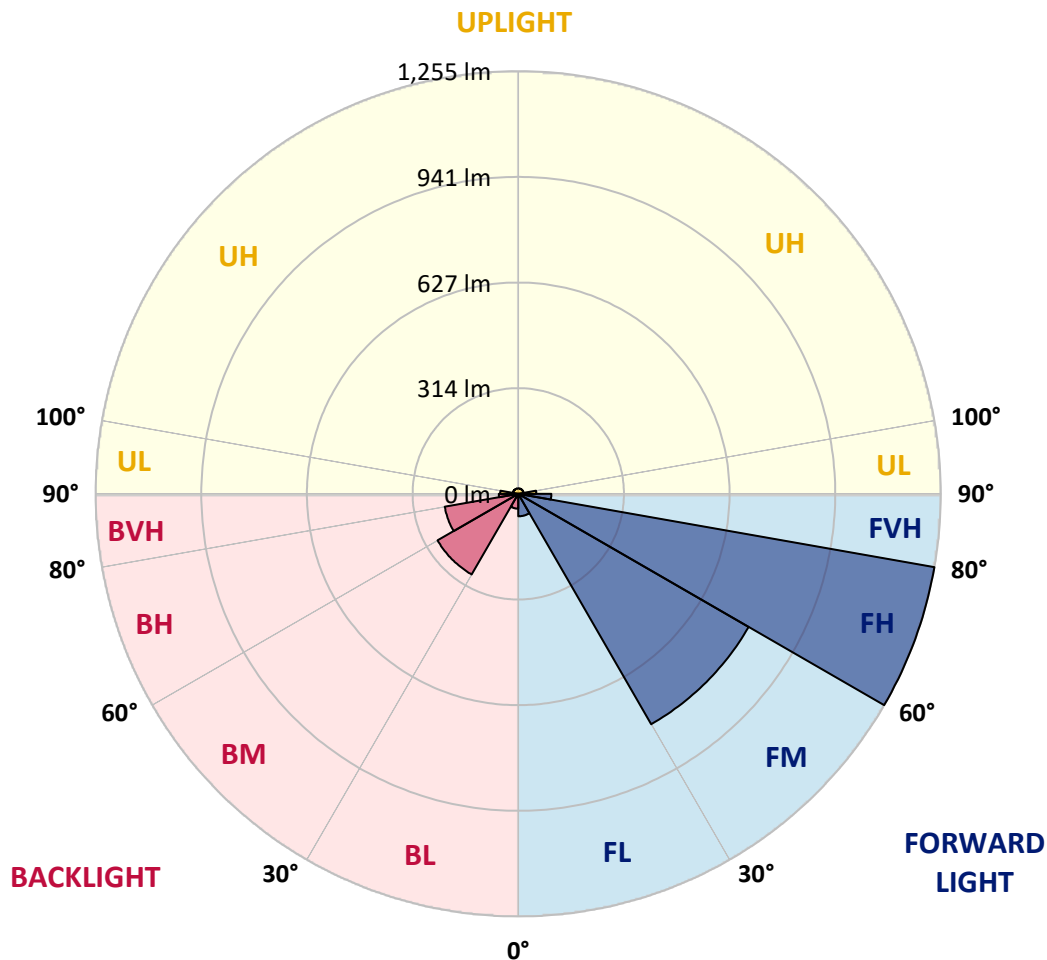
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.7	2.3			
FM (30°-60°)	789.9	27.4			
FH (60°-80°)	1254.7	43.6			G1/1800
FVH (80°-90°)	98.2	3.4			G1/100
BL (0°-30°)	44.1	1.5	B0/110		
BM (30°-60°)	276.4	9.6	B1/1000		
BH (60°-80°)	221.6	7.7	B1/500		G1/500
BVH (80°-90°)	57.7	2.0			G1/100
UL (90°-100°)	53.6	1.9		U3/500	
UH (100°-180°)	16.1	0.6		U2/50	

**BUG Rating: B1-U3-G1**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	3.0	3.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	20.0	20.0	18.0	11.0	5.0	3.0	3.0	3.0	2.0	3.0	3.0
12.5°	83.0	83.0	77.0	72.0	22.0	13.0	9.0	5.0	9.0	13.0	17.0
15°	99.0	99.0	95.0	86.0	80.0	63.0	41.0	24.0	65.0	69.0	68.0
17.5°	180.0	155.0	123.0	107.0	90.0	82.0	92.0	75.0	82.0	84.0	83.0
20°	211.0	207.0	198.0	188.0	114.0	139.0	129.0	128.0	100.0	129.0	152.0
22.5°	228.0	228.0	213.0	200.0	203.0	160.0	151.0	145.0	167.0	182.0	181.0
25°	317.0	317.0	304.0	221.0	214.0	213.0	197.0	209.0	210.0	209.0	211.0
27.5°	336.0	333.0	321.0	294.0	238.0	243.0	247.0	233.0	259.0	303.0	300.0
30°	480.1	463.1	376.0	316.0	297.0	272.0	263.0	283.0	310.0	321.0	323.0
32.5°	557.1	551.1	511.1	421.0	329.0	317.0	300.0	316.0	322.0	395.0	425.0
35°	643.1	632.1	597.1	476.1	398.0	334.0	327.0	318.0	381.0	414.0	443.0
37.5°	708.1	707.1	676.1	542.1	442.0	368.0	345.0	354.0	394.0	434.0	461.1
40°	764.1	760.1	746.1	603.1	479.1	408.0	368.0	375.0	413.0	453.0	484.1
42.5°	823.1	820.1	821.1	654.1	526.1	448.0	400.0	395.0	436.0	484.1	519.1
45°	891.1	889.1	886.1	730.1	579.1	489.1	441.0	427.0	482.1	523.1	565.1
47.5°	920.1	916.1	937.1	795.1	638.1	546.1	486.1	469.1	533.1	581.1	639.1
50°	957.1	953.1	966.1	861.1	708.1	606.1	546.1	520.1	595.1	661.1	736.1
52.5°	1027.1	1063.1	1012.1	933.1	805.1	673.1	606.1	586.1	678.1	768.1	895.1
55°	1111.1	1103.1	1076.1	1016.1	894.1	749.1	672.1	661.1	789.1	903.1	1059.1
57.5°	1127.1	1118.1	1140.1	1101.1	997.1	839.1	748.1	753.1	901.1	1044.1	1243.1
60°	1164.1	1158.1	1199.1	1220.1	1103.1	922.1	827.1	875.1	1016.1	1188.1	1421.2
62.5°	1203.1	1210.1	1271.1	1302.1	1174.1	1048.1	935.1	1014.1	1192.1	1344.1	1579.2
65°	1197.1	1207.1	1333.1	1349.1	1261.1	1201.1	1069.1	1172.1	1354.1	1505.2	1694.2
67.5°	1167.1	1177.1	1348.1	1413.2	1380.2	1353.1	1222.1	1343.1	1504.2	1614.2	1730.2
70°	1105.1	1106.1	1275.1	1464.2	1526.2	1587.2	1432.2	1511.2	1651.2	1709.2	1641.2
72.5°	894.1	901.1	1060.1	1364.2	1633.2	1820.2	1670.2	1668.2	1730.2	1681.2	1350.1
75°	500.1	502.1	648.1	997.1	1487.2	1848.2	1755.2	1704.2	1642.2	1459.2	954.1
77.5°	152.0	170.0	227.0	507.1	1041.1	1536.2	1511.2	1499.2	1373.2	1029.1	519.1
80°	77.0	80.0	102.0	175.0	538.1	1017.1	1039.1	1076.1	856.1	444.0	241.0
82.5°	44.0	46.0	62.0	93.0	229.0	568.1	624.1	588.1	368.0	209.0	167.0
85°	22.0	22.0	29.0	43.0	107.0	225.0	261.0	211.0	159.0	138.0	135.0
87.5°	12.0	12.0	10.0	13.0	33.0	50.0	58.0	79.0	85.0	87.0	115.0
90°	13.0	13.0	10.0	11.0	24.0	45.0	64.0	77.0	79.0	83.0	117.0
92.5°	13.0	13.0	10.0	10.0	22.0	53.0	73.0	84.0	82.0	89.0	120.0
95°	13.0	12.0	9.0	10.0	19.0	57.0	69.0	89.0	79.0	80.0	100.0
97.5°	8.0	8.0	6.0	8.0	14.0	44.0	48.0	64.0	54.0	36.0	47.0
100°	6.0	6.0	4.0	6.0	8.0	21.0	20.0	31.0	24.0	8.0	12.0
102.5°	6.0	7.0	4.0	4.0	5.0	6.0	7.0	10.0	10.0	6.0	8.0
105°	7.0	7.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	5.0	8.0
107.5°	6.0	6.0	3.0	2.0	2.0	3.0	3.0	2.0	3.0	4.0	9.0
110°	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0	7.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	2.0	3.0	1.0	2.0	1.0	2.0	2.0	2.0	2.0	3.0	4.0
115°	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	3.0	4.0
117.5°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	5.0
120°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
122.5°	3.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
125°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0
127.5°	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
142.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
10°	3.0	3.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
12.5°	18.0	17.0	12.0	7.0	3.0	2.0	2.0	2.0	3.0	4.0	4.0
15°	69.0	67.0	65.0	59.0	17.0	4.0	3.0	9.0	35.0	49.0	57.0
17.5°	81.0	80.0	78.0	74.0	68.0	23.0	30.0	64.0	76.0	78.0	80.0
20°	149.0	146.0	113.0	85.0	78.0	82.0	72.0	80.0	84.0	87.0	90.0
22.5°	177.0	174.0	165.0	151.0	93.0	108.0	104.0	92.0	140.0	151.0	153.0
25°	207.0	202.0	183.0	168.0	155.0	120.0	129.0	146.0	158.0	166.0	166.0
27.5°	295.0	285.0	261.0	185.0	172.0	147.0	158.0	155.0	175.0	215.0	218.0
30°	319.0	308.0	274.0	229.0	183.0	170.0	163.0	200.0	226.0	235.0	238.0
32.5°	425.0	415.0	355.0	236.0	201.0	170.0	189.0	208.0	226.0	268.0	272.0
35°	446.0	430.0	368.0	272.0	200.0	178.0	190.0	212.0	262.0	281.0	285.0
37.5°	467.1	451.0	367.0	261.0	213.0	181.0	186.0	217.0	244.0	257.0	260.0
40°	496.1	472.1	360.0	243.0	203.0	174.0	184.0	204.0	220.0	224.0	227.0
42.5°	534.1	501.1	352.0	225.0	188.0	163.0	172.0	187.0	197.0	191.0	191.0
45°	587.1	536.1	337.0	207.0	174.0	151.0	162.0	173.0	178.0	167.0	164.0
47.5°	653.1	578.1	321.0	190.0	165.0	144.0	156.0	165.0	165.0	150.0	148.0
50°	733.1	630.1	300.0	176.0	155.0	140.0	150.0	158.0	153.0	138.0	137.0
52.5°	855.1	709.1	280.0	164.0	146.0	136.0	149.0	148.0	141.0	128.0	127.0
55°	1006.1	812.1	262.0	155.0	140.0	129.0	146.0	142.0	134.0	122.0	122.0
57.5°	1156.1	925.1	243.0	149.0	133.0	123.0	141.0	139.0	130.0	118.0	117.0
60°	1303.1	1029.1	215.0	144.0	124.0	117.0	135.0	140.0	128.0	116.0	116.0
62.5°	1422.2	1079.1	184.0	136.0	115.0	113.0	132.0	144.0	138.0	133.0	133.0
65°	1461.2	1049.1	160.0	130.0	109.0	110.0	133.0	159.0	161.0	167.0	168.0
67.5°	1434.2	964.1	144.0	125.0	105.0	115.0	152.0	179.0	174.0	178.0	180.0
70°	1317.1	839.1	135.0	119.0	105.0	123.0	167.0	179.0	172.0	184.0	185.0
72.5°	1069.1	679.1	127.0	114.0	101.0	122.0	176.0	177.0	172.0	186.0	184.0
75°	725.1	468.1	120.0	108.0	96.0	113.0	178.0	177.0	168.0	179.0	176.0
77.5°	366.0	238.0	111.0	101.0	89.0	108.0	176.0	178.0	166.0	175.0	172.0
80°	186.0	153.0	99.0	93.0	81.0	106.0	172.0	176.0	159.0	167.0	166.0
82.5°	143.0	120.0	83.0	81.0	74.0	104.0	166.0	170.0	151.0	157.0	153.0
85°	117.0	95.0	61.0	63.0	67.0	105.0	165.0	168.0	146.0	143.0	141.0
87.5°	99.0	73.0	30.0	32.0	49.0	94.0	141.0	139.0	114.0	113.0	115.0
90°	99.0	67.0	20.0	20.0	40.0	67.0	93.0	84.0	79.0	84.0	83.0
92.5°	98.0	61.0	21.0	21.0	45.0	74.0	105.0	87.0	81.0	83.0	82.0
95°	81.0	50.0	24.0	23.0	39.0	82.0	109.0	89.0	83.0	80.0	80.0
97.5°	41.0	28.0	23.0	23.0	31.0	67.0	87.0	70.0	53.0	44.0	47.0
100°	10.0	11.0	22.0	22.0	19.0	34.0	48.0	43.0	22.0	11.0	10.0
102.5°	8.0	7.0	17.0	19.0	12.0	12.0	22.0	25.0	17.0	5.0	5.0
105°	8.0	7.0	8.0	10.0	6.0	5.0	8.0	14.0	8.0	5.0	5.0
107.5°	9.0	8.0	4.0	4.0	4.0	4.0	4.0	5.0	4.0	5.0	5.0
110°	8.0	7.0	4.0	4.0	3.0	4.0	3.0	4.0	4.0	5.0	5.0

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 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	5.0
115°	5.0	5.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	6.0	6.0
117.5°	5.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	6.0	6.0
120°	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
122.5°	5.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
125°	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	6.0	6.0
127.5°	4.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0	5.0	6.0
130°	4.0	4.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	5.0	5.0
132.5°	3.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	3.0	5.0	5.0
135°	3.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	4.0
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
140°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
142.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
145°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
147.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	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)