

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: P414990

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414990  
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-PA1-40-727-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA 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: 3866 lumens  
Efficiency: N/A  
Efficacy: 96.7 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 - U3 - G2

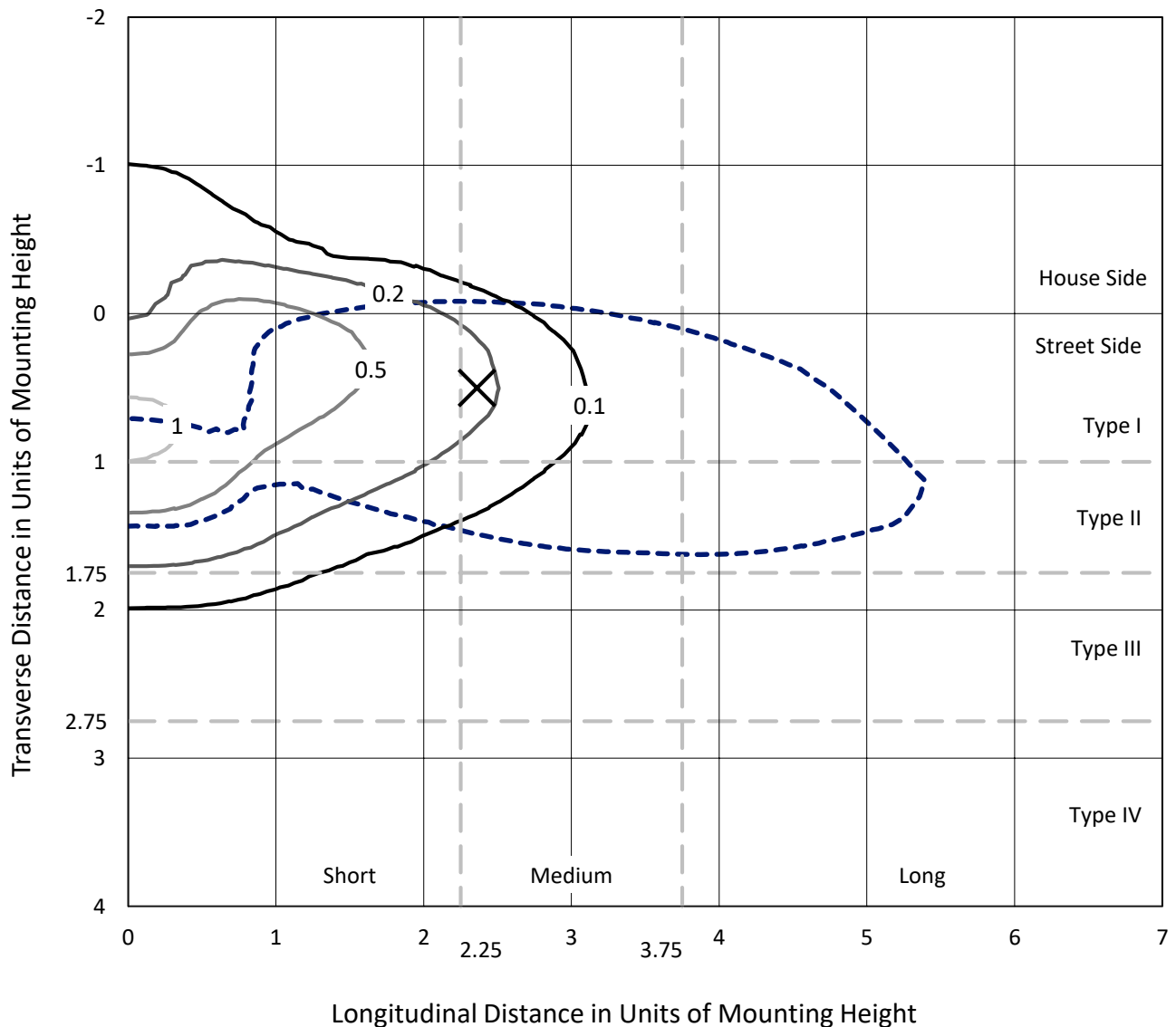
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

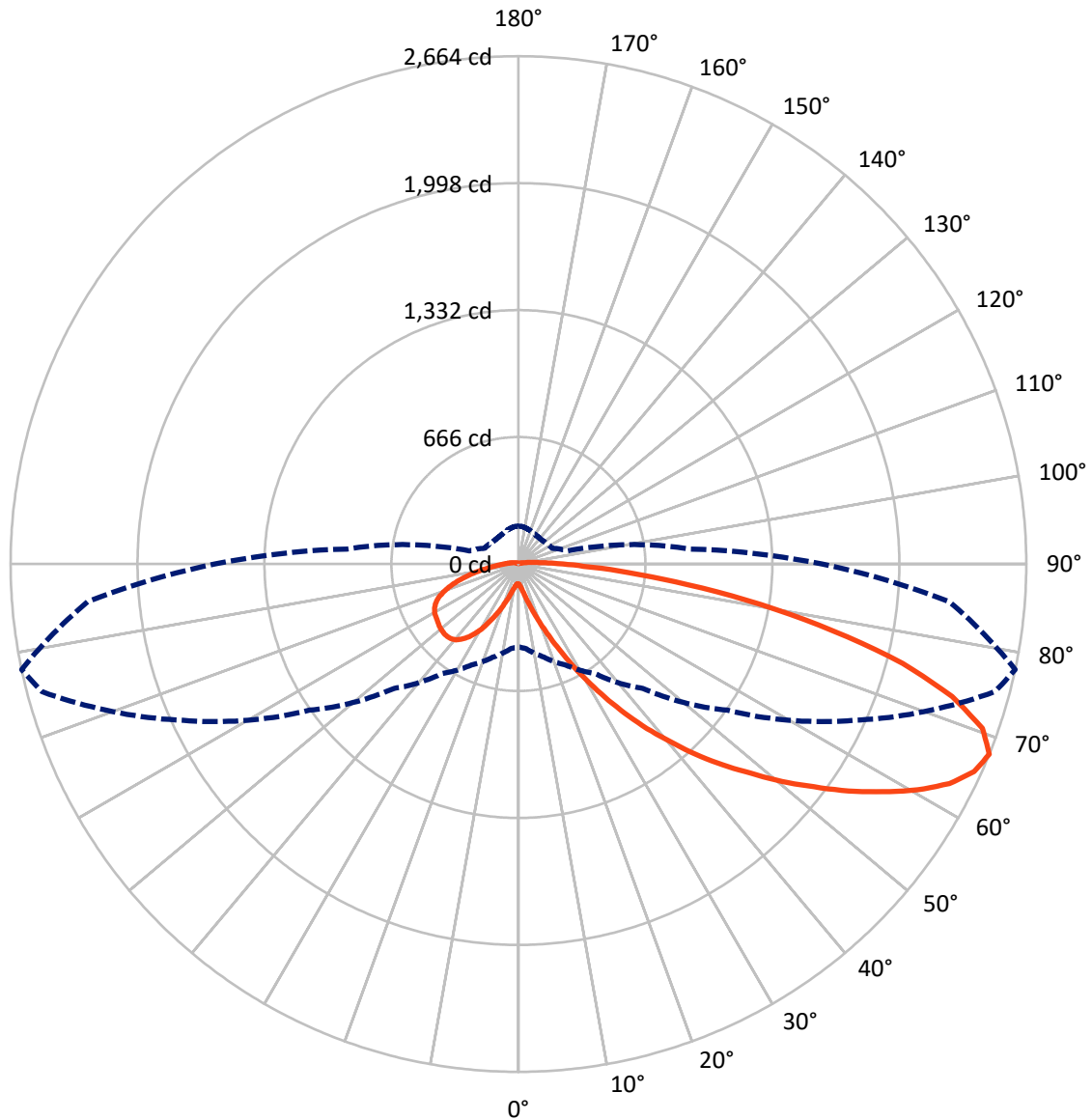


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	734.6	59.6	794.2
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	3011.3	60.5	3071.8
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	3745.9	120.1	3866.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	0.3
10°-20°	60.0	1.6
20°-30°	183.0	4.7
30°-40°	409.4	10.6
40°-50°	674.6	17.4
50°-60°	830.3	21.5
60°-70°	805.3	20.8
70°-80°	557.7	14.4
80°-90°	213.5	5.5
90°-100°	61.3	1.6
100°-110°	26.6	0.7
110°-120°	14.3	0.4
120°-130°	8.9	0.2
130°-140°	5.5	0.1
140°-150°	2.7	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3745.9	96.9
0°-180°	3866.0	100.0

**Coefficient of Utilization**



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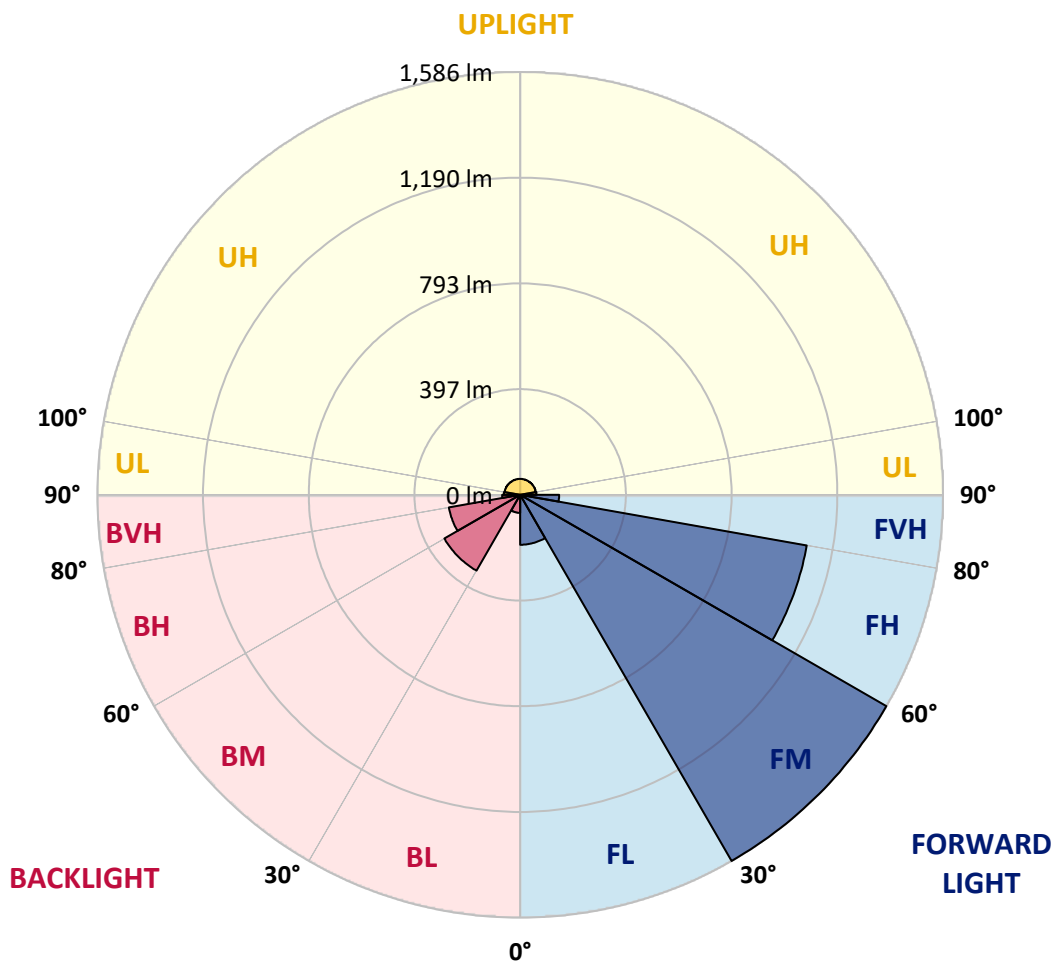
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.4	4.8			
FM (30°-60°)	1586.2	41.0			
FH (60°-80°)	1091.6	28.2			G1/1800
FVH (80°-90°)	146.1	3.8			G2/225
BL (0°-30°)	67.7	1.7	B0/110		
BM (30°-60°)	328.1	8.5	B1/1000		
BH (60°-80°)	271.4	7.0	B1/500		G1/500
BVH (80°-90°)	67.4	1.7			G1/100
UL (90°-100°)	61.3	1.6		U3/500	
UH (100°-180°)	59.6	1.5		U3/500	

**BUG Rating: B1-U3-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
2.5°	125.5	124.5	124.5	124.1	122.3	120.4	117.7	114.5	111.7	109.9	108.1
5°	152.5	149.3	150.2	147.4	144.2	140.6	135.5	128.7	122.3	120.9	115.8
7.5°	185.0	180.9	182.2	179.0	173.1	165.3	158.4	148.4	138.7	135.5	128.2
10°	226.2	222.1	219.8	215.2	208.3	198.3	187.7	174.4	161.2	156.6	147.4
12.5°	275.2	272.0	268.8	262.4	251.4	238.6	225.3	210.6	193.2	187.3	173.1
15°	336.1	333.3	326.5	317.8	301.7	287.5	267.4	254.1	232.6	225.3	207.9
17.5°	404.3	398.8	391.9	379.1	360.8	342.9	326.0	303.6	280.2	274.3	252.7
20°	488.6	486.7	473.4	451.9	431.8	407.5	391.0	369.0	342.9	334.7	306.3
22.5°	588.4	584.7	569.1	536.6	506.4	475.3	462.0	439.1	420.3	408.9	371.8
25°	708.3	701.5	675.8	636.9	593.9	556.8	534.8	526.6	511.9	494.5	449.2
27.5°	836.1	836.5	801.3	743.6	683.6	639.2	622.2	625.5	607.6	598.0	542.6
30°	994.0	982.6	936.4	865.4	784.3	727.1	717.0	733.1	728.0	709.2	643.8
32.5°	1152.0	1147.9	1090.7	993.6	887.4	824.6	817.3	852.1	850.7	832.0	748.6
35°	1309.5	1304.9	1234.0	1120.9	995.0	923.1	916.7	962.4	978.9	960.2	866.8
37.5°	1467.9	1457.4	1386.0	1248.6	1097.1	1013.3	1016.0	1073.7	1112.2	1095.2	980.8
40°	1607.6	1605.8	1522.4	1366.3	1195.5	1104.8	1123.2	1199.2	1246.3	1223.0	1096.6
42.5°	1714.7	1707.0	1633.2	1463.8	1283.9	1190.5	1222.1	1322.8	1383.2	1367.2	1210.6
45°	1764.2	1759.6	1700.5	1537.5	1352.6	1264.6	1314.6	1437.3	1519.7	1502.3	1327.8
47.5°	1750.9	1746.8	1714.7	1573.7	1397.9	1328.3	1396.1	1548.5	1663.0	1639.6	1444.6
50°	1671.2	1675.4	1665.3	1563.2	1413.9	1369.0	1473.4	1659.8	1803.1	1792.1	1557.2
52.5°	1525.6	1537.5	1553.6	1508.2	1399.3	1387.4	1529.3	1756.4	1942.3	1941.8	1682.2
55°	1336.5	1344.8	1400.6	1392.4	1343.4	1386.9	1570.5	1851.6	2098.9	2101.2	1811.3
57.5°	1136.0	1131.9	1206.0	1249.1	1261.9	1351.6	1590.7	1935.9	2237.2	2253.2	1947.8
60°	916.7	931.8	1001.4	1089.3	1137.4	1282.0	1583.8	1995.4	2370.4	2405.7	2071.9
62.5°	745.0	738.1	814.6	910.3	1007.8	1182.2	1533.9	2023.3	2497.2	2536.6	2186.3
65°	562.7	576.9	646.1	730.8	846.6	1056.3	1453.3	2008.7	2575.5	2625.9	2258.2
67.5°	434.1	445.1	504.1	583.8	701.9	922.6	1337.0	1940.5	2587.4	2663.9	2268.3
70°	335.6	344.3	386.0	453.8	566.4	775.2	1173.5	1810.4	2522.4	2581.9	2175.8
72.5°	267.4	271.1	300.4	355.3	447.3	632.3	995.9	1606.2	2326.0	2379.1	1986.3
75°	210.2	215.7	239.5	280.7	349.4	505.5	814.1	1357.1	2027.0	2082.0	1724.8
77.5°	167.1	172.6	190.5	219.3	271.1	389.7	636.0	1105.8	1654.8	1688.6	1374.1
80°	132.8	135.5	150.6	172.2	210.6	300.4	478.9	839.3	1253.2	1288.5	1021.1
82.5°	100.7	103.0	118.1	136.9	164.4	227.6	346.2	590.2	882.8	892.4	693.2
85°	72.3	76.5	88.8	104.4	125.9	169.4	248.2	400.6	563.2	577.8	439.1
87.5°	51.3	53.1	65.5	80.1	96.2	125.5	172.6	263.7	346.6	342.5	266.5
90°	34.8	36.2	47.2	59.1	73.3	93.9	120.4	165.8	212.9	206.0	167.1
92.5°	23.4	25.6	34.8	44.9	57.2	72.3	85.6	108.5	131.9	125.5	106.2
95°	17.4	18.3	26.6	35.7	45.8	55.4	63.6	74.2	84.2	82.4	73.3
97.5°	13.7	14.7	21.5	29.3	37.1	44.9	49.5	53.1	58.6	58.1	52.7
100°	11.9	12.4	18.3	25.2	32.1	37.5	40.3	41.2	43.0	42.1	40.3
102.5°	10.1	11.0	16.0	22.0	27.9	32.1	33.9	33.0	32.5	31.6	29.8
105°	9.2	9.6	14.2	19.7	24.7	27.9	28.4	27.0	24.7	24.3	23.4
107.5°	8.7	9.2	12.8	17.9	22.0	24.7	24.3	22.4	19.7	18.8	18.3
110°	8.2	8.7	11.9	16.0	20.1	22.0	21.5	18.8	15.6	14.7	15.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	8.2	8.2	11.0	14.7	18.3	19.7	18.8	16.0	12.8	12.4	12.8
115°	7.8	8.2	10.5	13.7	16.5	17.9	16.5	13.7	11.0	10.5	11.0
117.5°	7.8	8.2	10.1	12.8	15.6	16.0	14.7	11.9	9.2	9.2	10.1
120°	7.8	8.2	9.6	11.9	14.2	14.7	13.3	10.5	8.2	8.2	9.2
122.5°	8.2	8.2	9.2	11.4	13.3	13.7	11.9	9.2	7.8	7.8	8.7
125°	8.2	8.2	9.2	10.5	12.4	12.4	11.0	8.2	6.9	6.9	8.2
127.5°	8.2	8.2	9.2	10.1	11.4	11.4	10.1	7.8	6.4	6.4	7.8
130°	8.2	8.7	8.7	9.6	10.5	10.5	9.2	6.9	6.4	6.4	7.3
132.5°	8.7	8.7	8.7	9.2	10.1	9.6	7.8	6.4	6.0	6.0	6.9
135°	8.2	8.2	8.2	8.7	9.2	8.7	6.9	5.5	5.5	6.0	6.4
137.5°	8.2	8.2	8.2	7.8	8.2	7.8	6.4	5.0	5.0	5.5	6.0
140°	7.3	7.8	7.3	7.3	7.3	6.9	5.5	4.1	4.6	5.0	5.0
142.5°	6.9	6.9	6.9	6.4	6.4	6.0	4.6	3.7	4.1	4.1	4.6
145°	6.4	6.4	6.0	5.5	5.5	4.6	3.7	3.2	3.7	3.7	4.1
147.5°	5.5	5.5	5.5	4.6	4.1	3.7	2.3	2.3	2.7	3.2	3.2
150°	4.6	4.6	4.6	4.1	3.2	2.7	1.8	2.3	2.3	2.3	2.7
152.5°	3.7	3.7	3.7	3.2	2.7	1.8	1.4	1.8	1.8	1.8	2.3
155°	2.3	2.3	2.3	2.3	1.8	0.9	1.4	1.4	1.8	1.8	1.8
157.5°	1.4	1.4	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.4
160°	0.5	0.5	0.9	0.9	1.4	0.9	0.9	0.9	0.9	0.9	0.9
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°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
2.5°	106.7	105.3	103.0	100.7	98.4	96.2	94.3	93.9	92.5	92.5	92.0
5°	113.1	110.8	104.9	100.3	95.2	91.1	87.9	86.5	85.2	84.2	84.2
7.5°	124.5	119.5	110.8	103.0	96.2	90.2	86.1	83.8	82.0	81.0	81.0
10°	140.1	133.7	120.4	109.0	98.9	91.6	87.0	84.2	82.9	82.0	81.5
12.5°	163.0	153.8	134.6	118.1	105.3	96.2	90.2	88.4	88.8	88.8	88.8
15°	194.1	180.9	154.8	132.3	114.0	102.1	98.0	98.0	99.4	99.8	98.9
17.5°	234.4	216.6	179.9	146.5	125.0	112.6	108.1	108.1	110.3	111.7	111.7
20°	283.9	258.2	206.5	165.3	137.8	124.5	119.0	119.5	122.3	124.1	124.1
22.5°	340.7	310.4	240.4	184.5	152.0	135.1	129.1	129.6	134.2	136.4	137.4
25°	414.4	367.7	274.3	204.2	165.3	145.1	139.2	139.7	145.6	148.8	148.8
27.5°	492.2	431.3	308.6	223.4	176.7	154.3	148.4	149.7	156.1	158.9	159.8
30°	575.1	499.1	342.9	239.9	185.9	161.2	155.2	158.0	163.9	168.0	168.5
32.5°	667.1	565.5	370.4	253.2	193.7	167.1	161.2	165.3	170.3	174.9	175.4
35°	763.3	631.4	394.7	262.4	198.7	172.2	165.8	169.9	174.9	179.0	178.6
37.5°	849.4	685.4	410.7	266.0	201.5	174.9	169.0	173.1	177.7	180.9	180.9
40°	934.1	741.8	418.5	263.3	201.5	176.3	170.3	174.9	179.0	180.9	180.9
42.5°	1014.6	783.4	417.1	257.8	200.5	176.7	171.2	175.4	179.0	179.9	179.9
45°	1084.2	821.9	408.9	248.6	197.3	176.3	171.7	175.4	178.1	178.1	178.6
47.5°	1166.7	852.1	397.0	239.0	193.7	175.4	170.8	174.9	177.2	177.2	176.7
50°	1240.8	881.4	381.0	228.5	190.5	174.4	170.3	174.4	177.2	176.3	176.3
52.5°	1319.6	907.5	364.5	218.9	187.3	174.0	170.3	174.4	177.2	176.7	177.2
55°	1392.4	933.6	343.9	210.2	185.4	173.5	170.8	174.9	178.6	178.6	178.1
57.5°	1485.8	947.3	327.8	204.2	183.6	173.5	171.2	175.8	180.4	180.9	181.3
60°	1551.7	965.2	314.6	200.5	183.6	174.4	172.6	177.2	183.1	185.4	186.8
62.5°	1599.8	964.3	298.5	198.7	184.1	175.4	174.0	178.6	186.4	189.6	191.4
65°	1625.0	947.8	282.0	197.3	184.5	176.3	174.9	179.5	188.6	194.6	196.4
67.5°	1592.0	903.4	265.1	195.1	184.1	175.8	175.4	180.4	190.0	197.8	198.7
70°	1511.9	828.3	245.0	190.0	182.2	174.4	174.0	178.1	188.6	197.8	198.7
72.5°	1359.9	733.1	221.6	182.7	178.1	171.2	169.9	174.0	184.1	193.2	193.2
75°	1156.6	622.7	198.7	172.2	169.9	165.8	164.4	166.7	175.4	184.1	184.5
77.5°	905.7	495.9	174.4	157.5	159.8	156.6	155.2	156.6	164.4	170.3	170.8
80°	689.1	377.7	151.1	140.1	145.6	144.7	143.3	142.9	148.4	152.9	151.6
82.5°	475.3	268.8	125.0	121.8	127.7	129.1	128.7	125.5	129.6	133.2	131.0
85°	306.8	190.0	104.4	103.0	108.5	110.8	110.3	108.1	109.0	113.1	108.5
87.5°	198.3	136.4	86.1	85.2	89.7	92.5	92.5	87.9	89.7	93.9	88.8
90°	124.1	96.6	71.9	71.4	74.6	76.0	74.2	71.4	72.3	74.6	72.8
92.5°	87.9	72.8	60.0	60.0	60.9	61.8	60.9	57.7	59.5	59.5	59.5
95°	64.1	57.7	52.2	51.3	50.8	50.4	49.9	47.6	49.5	49.0	47.6
97.5°	49.0	46.2	44.4	44.0	43.0	42.6	42.1	40.3	41.7	40.8	39.8
100°	38.5	38.0	38.0	38.0	37.1	35.7	35.7	35.3	35.3	33.9	33.9
102.5°	30.7	30.7	32.5	33.0	32.1	31.1	31.1	30.7	30.2	28.4	27.9
105°	24.3	25.2	27.9	28.4	27.9	27.0	26.6	26.6	25.6	23.4	23.4
107.5°	19.7	20.6	23.8	24.7	24.3	23.8	23.4	22.9	22.0	19.7	19.7
110°	16.0	17.4	20.1	21.5	21.1	20.6	20.6	19.7	18.8	16.9	16.9



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	15.1	17.4	18.8	18.8	18.3	17.9	17.4	16.0	14.7	14.7
115°	11.9	13.3	15.6	16.5	16.5	16.0	15.6	15.1	13.7	12.8	13.3
117.5°	11.0	11.9	13.7	14.7	14.7	14.2	13.7	13.3	12.4	11.9	11.9
120°	10.1	11.0	12.4	13.3	13.3	12.8	12.4	11.9	11.0	11.0	11.0
122.5°	9.2	10.1	11.4	11.9	11.9	11.4	11.0	10.5	9.6	10.1	10.1
125°	8.7	9.2	10.1	11.0	11.0	10.5	10.1	9.2	8.7	9.2	9.2
127.5°	8.2	8.7	9.6	10.1	10.1	9.6	8.7	8.2	7.8	8.2	8.2
130°	7.8	8.2	8.7	9.2	9.2	8.2	7.8	7.3	7.3	7.8	7.8
132.5°	7.3	7.8	7.8	8.2	8.2	7.8	6.9	6.4	6.4	6.9	6.9
135°	6.9	6.9	7.3	7.3	7.3	6.9	6.0	5.5	6.0	6.4	6.4
137.5°	6.0	6.4	6.4	6.9	6.4	6.0	5.0	5.0	5.5	5.5	5.5
140°	5.5	5.5	6.0	6.0	5.5	5.0	4.6	4.1	4.6	5.0	5.0
142.5°	5.0	5.0	5.0	5.0	5.0	4.1	3.7	3.7	4.1	4.1	4.1
145°	4.1	4.1	4.6	4.1	4.1	3.2	2.7	3.2	3.7	3.7	3.7
147.5°	3.2	3.7	3.7	3.7	3.2	2.3	1.8	2.7	3.2	3.2	3.2
150°	2.7	2.7	2.7	2.7	2.7	1.8	1.4	2.3	2.7	2.7	2.7
152.5°	2.3	2.3	2.7	2.7	2.3	1.4	0.9	1.8	2.3	2.3	1.8
155°	1.8	1.8	2.3	2.3	1.8	0.9	0.9	1.4	1.8	1.8	1.4
157.5°	1.4	1.8	1.8	1.8	1.4	0.9	0.5	0.9	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.8	1.4	0.9	0.5	0.9	1.4	0.9	0.9
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)