

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: P414981

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414981  
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-PA1-40-727-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA 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: 3894 lumens  
Efficiency: N/A  
Efficacy: 97.3 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 - U3 - G2

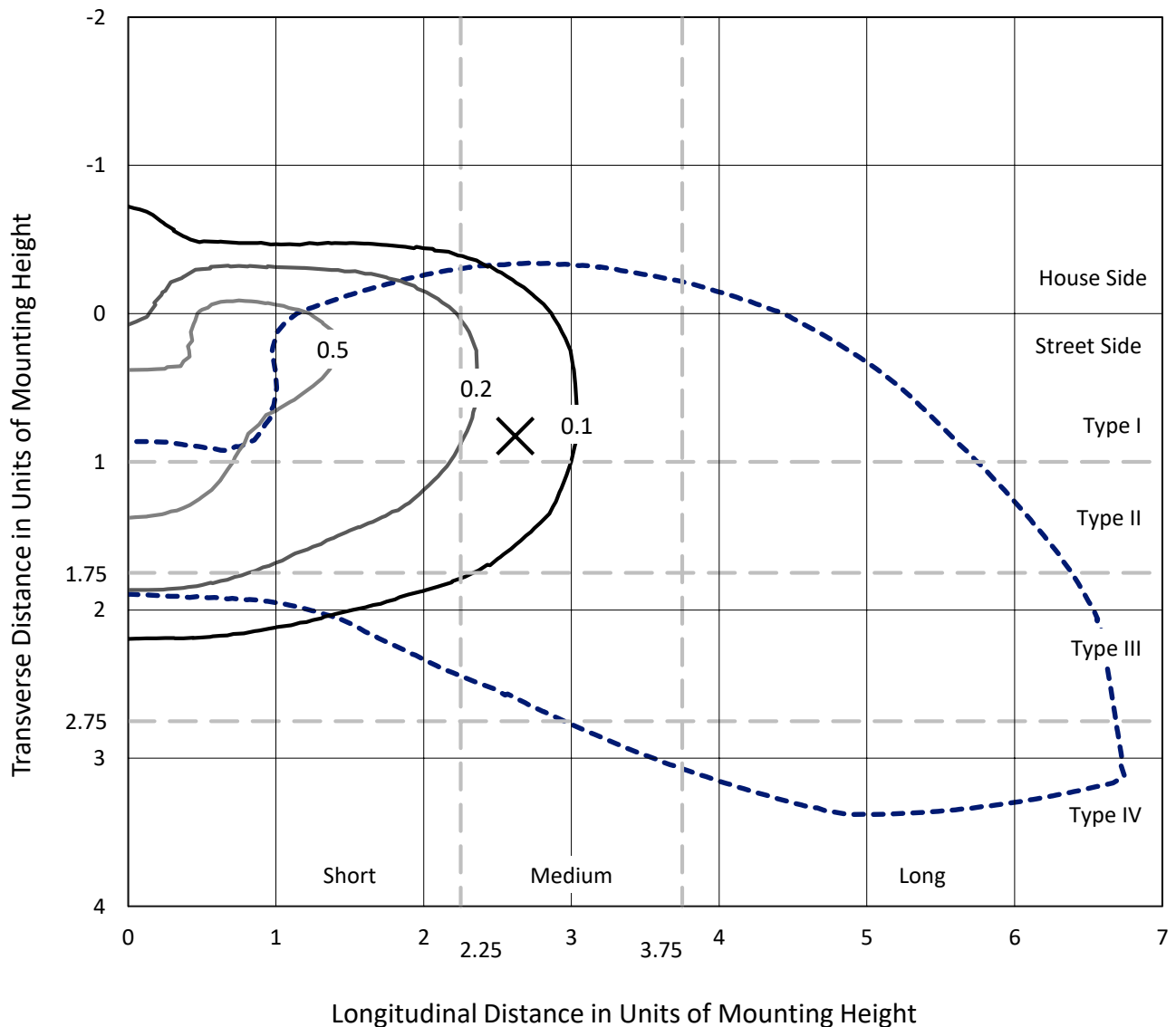
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

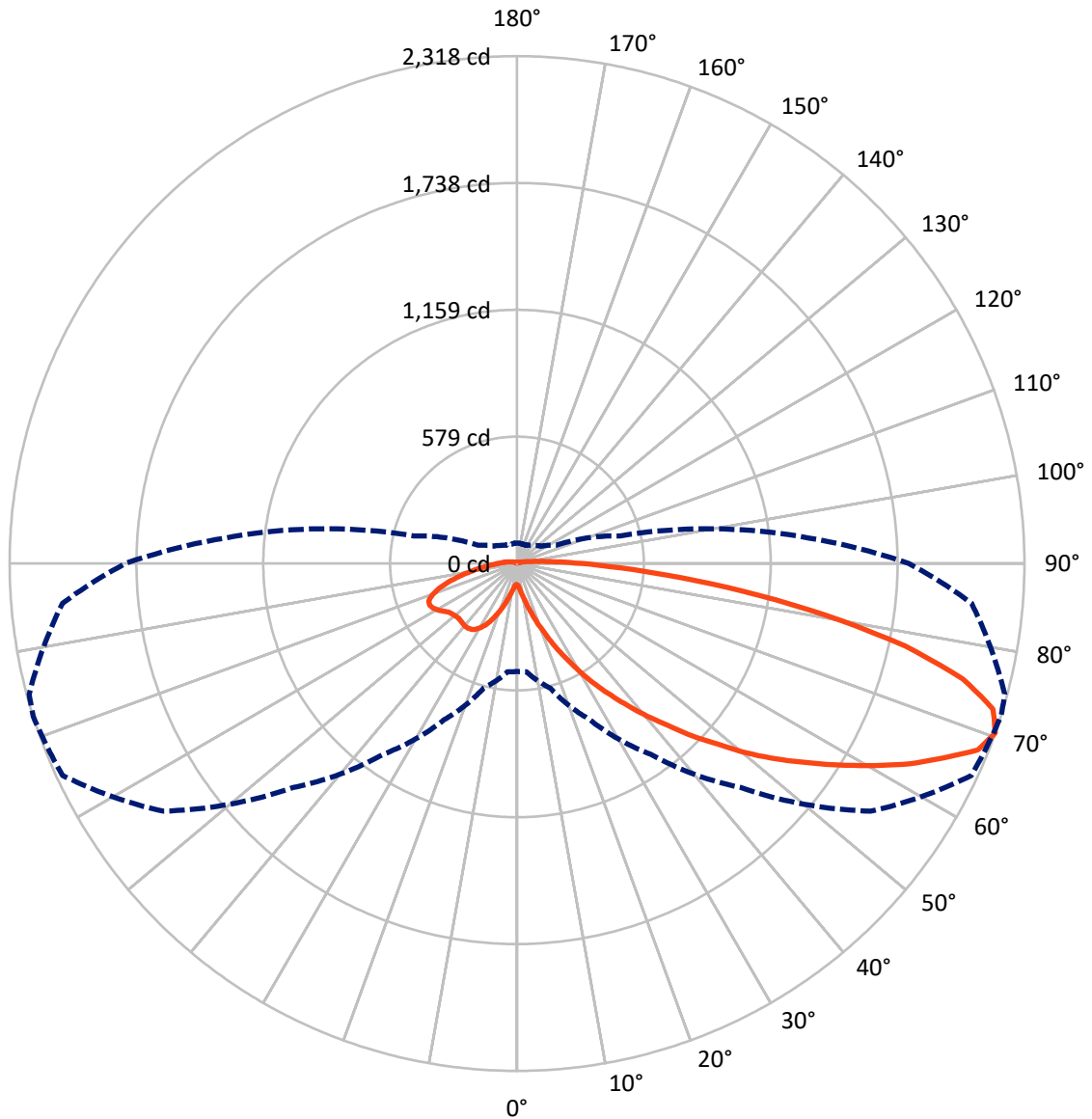


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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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	700.0	63.5	763.5
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	3057.1	73.3	3130.5
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	3757.2	136.8	3894.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.9	0.3
10°-20°	52.7	1.4
20°-30°	147.1	3.8
30°-40°	305.0	7.8
40°-50°	526.8	13.5
50°-60°	778.0	20.0
60°-70°	918.2	23.6
70°-80°	728.7	18.7
80°-90°	289.7	7.4
90°-100°	76.6	2.0
100°-110°	29.5	0.8
110°-120°	14.4	0.4
120°-130°	8.2	0.2
130°-140°	4.8	0.1
140°-150°	2.3	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3757.2	96.5
0°-180°	3894.0	100.0

**Coefficient of Utilization**



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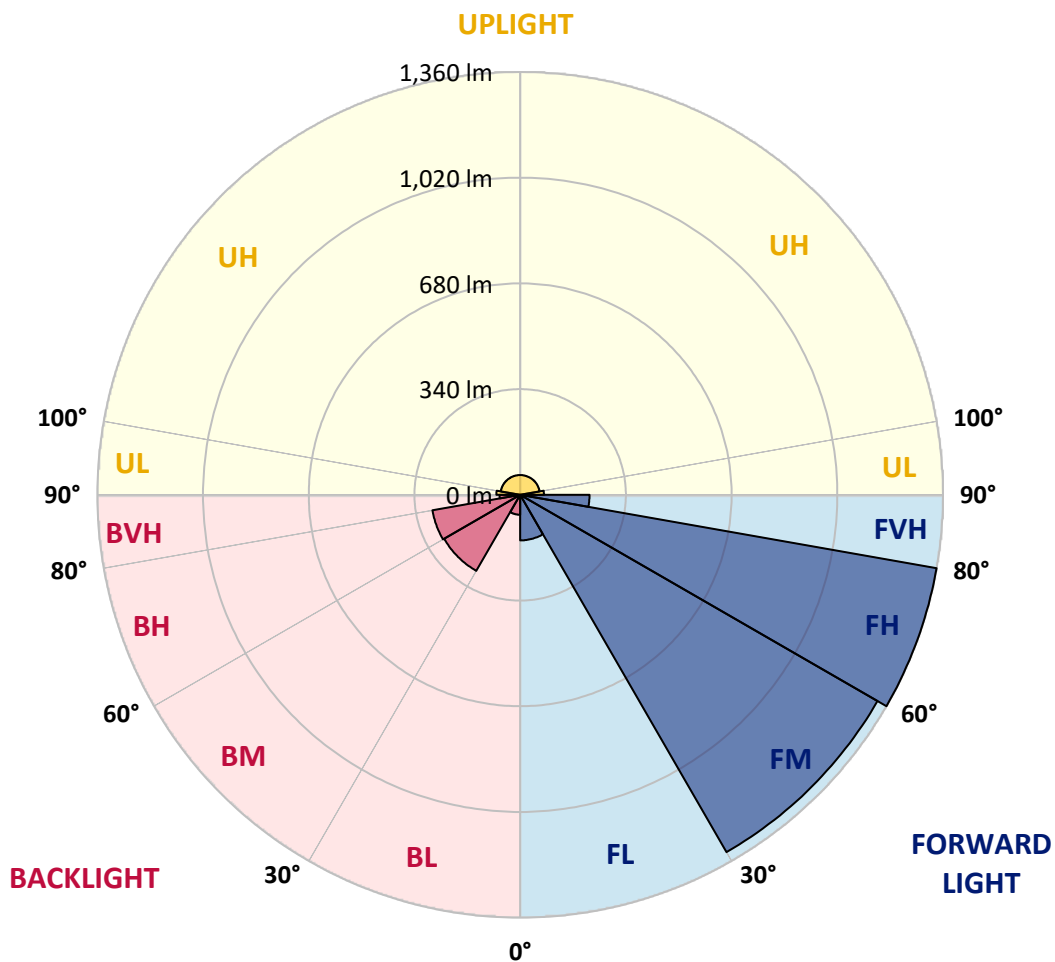
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.6	3.8			
FM (30°-60°)	1327.3	34.1			
FH (60°-80°)	1360.2	34.9			G1/1800
FVH (80°-90°)	223.1	5.7			G2/225
BL (0°-30°)	64.2	1.6	B0/110		
BM (30°-60°)	282.5	7.3	B1/1000		
BH (60°-80°)	286.7	7.4	B1/500		G1/500
BVH (80°-90°)	66.6	1.7			G1/100
UL (90°-100°)	76.6	2.0		U3/500	
UH (100°-180°)	63.5	1.6		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2.5°	109.4	109.9	109.4	109.4	108.5	108.1	105.3	103.5	102.1	101.2	99.8
5°	126.8	127.7	127.3	127.3	125.0	123.6	120.4	116.8	114.0	113.5	109.4
7.5°	150.2	149.7	147.9	147.4	146.5	144.2	139.6	134.2	131.4	130.5	124.5
10°	179.0	176.7	177.6	174.4	172.6	168.9	164.8	160.7	155.2	155.2	147.0
12.5°	207.9	212.9	211.5	207.0	203.3	197.3	192.3	190.9	184.5	185.4	177.6
15°	255.0	254.6	250.4	247.2	239.9	232.6	228.0	224.8	223.0	221.6	212.9
17.5°	304.9	302.2	299.0	289.4	278.8	272.4	268.3	265.1	267.4	266.9	256.4
20°	362.6	359.4	354.8	337.4	323.7	313.6	311.3	315.0	316.4	320.0	309.5
22.5°	426.7	425.4	414.4	394.7	371.3	358.0	355.8	364.5	375.0	376.8	369.5
25°	503.6	501.8	486.7	458.3	427.6	407.5	407.5	421.2	438.6	442.7	439.1
27.5°	586.1	581.5	561.8	527.0	484.9	458.8	455.6	480.3	504.6	516.5	511.9
30°	680.8	679.9	647.4	604.8	554.5	512.8	511.4	547.6	581.9	587.4	588.3
32.5°	778.4	786.1	748.6	685.0	624.1	575.1	572.8	613.5	661.1	670.8	670.8
35°	891.0	891.5	845.2	782.0	698.7	642.8	636.4	685.0	738.1	751.3	758.7
37.5°	1004.5	1001.8	960.1	873.1	779.7	712.4	706.5	763.7	824.1	845.7	844.3
40°	1116.3	1124.0	1071.4	975.2	862.6	794.4	779.7	847.0	916.6	940.9	931.3
42.5°	1236.7	1234.8	1187.7	1080.5	955.1	873.6	864.9	934.5	1011.9	1039.3	1030.6
45°	1342.0	1341.1	1289.8	1182.6	1043.5	965.2	953.3	1027.0	1124.0	1149.7	1131.8
47.5°	1439.1	1436.8	1383.6	1274.7	1120.8	1052.6	1053.5	1129.1	1232.1	1274.2	1246.7
50°	1514.1	1506.4	1472.9	1355.3	1204.6	1144.6	1162.0	1250.9	1360.8	1398.8	1369.0
52.5°	1554.4	1542.5	1516.4	1411.6	1283.8	1235.8	1269.2	1374.5	1483.0	1519.2	1486.7
55°	1535.2	1535.2	1520.5	1445.9	1340.2	1319.1	1386.4	1492.6	1605.7	1645.5	1616.7
57.5°	1457.8	1469.7	1476.6	1436.8	1379.1	1401.5	1508.2	1627.2	1735.7	1779.7	1741.7
60°	1322.3	1325.5	1375.9	1387.3	1394.6	1471.6	1634.6	1776.5	1874.0	1908.8	1865.8
62.5°	1130.5	1145.6	1206.9	1291.6	1371.7	1529.7	1767.3	1926.7	2014.6	2037.9	1975.2
65°	917.1	913.4	1027.0	1153.8	1308.6	1546.6	1874.5	2072.3	2140.5	2171.6	2062.7
67.5°	695.5	693.2	798.0	983.9	1201.4	1528.8	1961.5	2195.9	2271.0	2271.9	2117.6
70°	493.1	496.8	589.7	787.1	1063.1	1447.3	1972.0	2290.2	2317.7	2306.7	2084.2
72.5°	334.7	337.4	425.8	603.0	880.0	1315.4	1884.1	2280.1	2273.7	2243.1	1946.8
75°	215.7	234.0	299.4	458.3	712.4	1125.4	1713.3	2135.9	2102.5	2051.7	1708.3
77.5°	148.8	158.0	208.3	333.8	556.8	929.5	1471.1	1846.1	1811.3	1749.0	1377.2
80°	100.7	104.8	143.3	249.5	438.2	730.7	1198.7	1486.2	1426.2	1362.1	1032.9
82.5°	67.3	75.1	103.0	179.0	331.5	564.1	911.6	1135.0	1039.8	984.4	725.7
85°	44.9	49.0	73.3	130.0	239.9	410.7	656.1	771.0	687.2	638.3	463.8
87.5°	30.2	33.9	52.2	92.9	177.6	298.5	439.5	498.2	430.8	400.2	280.7
90°	20.1	22.4	38.5	66.8	125.5	208.3	296.7	307.7	264.2	245.4	171.7
92.5°	14.2	16.5	28.8	49.4	87.9	144.7	190.5	186.3	155.7	146.5	110.8
95°	11.0	12.8	22.4	38.0	64.1	99.4	124.1	113.5	98.4	95.2	76.5
97.5°	9.6	10.5	18.8	30.7	48.5	70.5	80.6	76.9	66.4	64.6	55.9
100°	8.7	9.6	16.5	26.6	38.9	51.7	57.7	53.6	48.1	46.7	41.2
102.5°	8.2	8.7	14.7	22.9	32.1	40.7	44.4	39.8	35.7	35.3	31.6
105°	7.8	8.2	12.8	19.7	27.0	33.4	34.8	31.1	27.9	26.6	23.8
107.5°	7.3	7.3	11.4	17.4	23.4	27.9	28.8	25.2	21.5	20.6	18.8
110°	6.9	7.3	10.5	15.6	20.6	24.3	24.3	20.6	16.9	16.0	15.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.9	6.9	9.6	13.7	18.3	21.1	20.6	16.9	13.7	12.4	12.4
115°	6.4	6.9	9.2	12.8	16.5	18.3	17.4	14.2	11.0	10.1	10.5
117.5°	6.4	6.9	8.2	11.4	14.7	16.0	15.1	11.9	9.2	8.7	9.6
120°	6.4	6.9	8.2	10.5	12.8	14.2	13.3	10.1	8.2	7.8	8.7
122.5°	6.9	6.9	7.8	9.6	11.9	12.8	11.4	8.7	7.3	6.9	7.8
125°	6.9	6.9	7.8	9.2	11.0	11.4	10.1	7.8	6.4	6.4	7.3
127.5°	6.9	6.9	7.8	8.7	10.1	10.1	9.2	6.9	6.0	6.0	6.9
130°	6.9	6.9	7.3	8.2	9.2	9.2	7.8	6.0	5.5	5.5	6.4
132.5°	7.3	7.3	7.3	7.8	8.2	8.2	6.9	5.5	5.0	5.0	6.4
135°	6.9	6.9	6.9	7.3	7.3	7.3	6.0	5.0	4.6	5.0	6.0
137.5°	6.4	6.4	6.9	6.9	6.9	6.4	5.0	4.1	4.1	4.6	5.5
140°	6.4	6.0	6.4	6.4	6.0	5.5	4.6	3.7	3.7	4.1	4.6
142.5°	5.5	5.5	5.5	5.5	5.0	4.6	3.7	3.2	3.7	3.7	4.1
145°	5.0	5.0	5.0	4.6	4.6	3.7	2.7	2.7	2.7	3.2	3.7
147.5°	4.1	4.1	4.1	4.1	3.7	3.2	1.8	2.3	2.3	2.3	2.7
150°	3.2	3.2	3.7	3.2	2.7	2.3	1.4	1.8	2.3	2.3	2.3
152.5°	2.7	2.7	2.7	2.7	2.3	1.4	1.4	1.8	1.8	1.8	2.3
155°	1.8	1.8	1.8	1.8	1.4	0.9	1.4	1.4	1.8	1.8	1.8
157.5°	0.9	0.9	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.4
160°	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
162.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
165°	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
167.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
170°	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
172.5°	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
175°	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
177.5°	0.0	0.5	0.9	0.9	1.4	0.9	0.9	0.9	0.9	0.9	1.4
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2.5°	98.9	98.0	96.2	94.3	92.9	91.6	90.7	89.3	88.4	88.4	88.4
5°	106.7	105.8	101.2	96.6	92.5	88.8	86.1	82.9	81.5	80.1	80.6
7.5°	122.2	119.0	111.7	103.9	97.1	89.7	84.2	79.7	76.9	75.1	75.1
10°	143.3	138.3	127.3	115.4	103.9	93.4	85.2	78.8	74.2	72.3	72.3
12.5°	170.3	165.3	148.3	130.5	113.1	98.0	87.5	79.2	74.2	71.9	71.9
15°	206.5	197.8	174.9	149.3	124.1	103.5	89.7	82.9	79.7	78.3	78.3
17.5°	249.5	236.7	207.0	168.5	135.1	109.0	95.7	89.3	86.5	86.1	86.1
20°	299.9	283.9	239.0	187.7	143.8	115.8	100.7	95.2	94.3	94.8	94.8
22.5°	357.1	333.8	272.0	205.1	152.0	120.0	104.4	99.8	100.7	103.0	102.6
25°	417.6	392.8	308.1	220.7	157.5	121.8	106.7	103.9	107.6	110.3	110.3
27.5°	488.1	449.6	341.1	231.7	158.9	120.4	107.1	105.8	110.8	114.9	115.8
30°	560.0	510.5	369.5	238.5	156.1	117.2	105.3	106.2	112.2	117.7	118.1
32.5°	632.8	568.2	392.8	239.9	151.6	113.1	103.5	105.3	111.7	117.7	118.6
35°	705.1	622.2	408.4	234.9	144.2	109.0	100.3	103.5	109.9	116.8	117.7
37.5°	776.1	673.5	418.0	226.6	136.9	105.3	98.0	101.2	107.6	115.4	116.3
40°	853.4	728.5	423.5	217.0	129.6	102.1	96.6	99.8	106.2	113.5	114.9
42.5°	924.4	778.8	424.0	205.1	124.1	100.7	95.7	98.4	104.4	112.2	113.5
45°	1016.9	830.6	424.0	195.0	120.4	100.3	95.7	98.0	103.5	111.7	113.5
47.5°	1104.4	890.1	424.9	186.3	118.6	101.2	96.6	97.5	102.1	111.7	113.5
50°	1206.0	947.3	432.2	179.9	118.1	103.0	98.0	97.1	100.7	110.8	113.1
52.5°	1307.2	1022.9	441.4	175.4	119.0	104.8	98.9	97.1	99.4	108.5	111.3
55°	1418.0	1094.7	451.4	175.8	120.9	106.7	100.3	96.6	97.5	104.8	107.6
57.5°	1528.8	1179.0	473.4	178.6	123.2	109.0	101.6	96.6	95.2	100.7	103.0
60°	1625.9	1253.2	496.3	184.5	126.4	111.3	102.6	96.2	93.4	96.6	98.4
62.5°	1728.4	1334.2	514.6	189.6	130.0	113.1	102.6	95.7	92.0	94.3	95.2
65°	1795.3	1382.3	524.2	196.0	133.7	114.5	103.0	94.8	91.6	92.9	93.9
67.5°	1829.6	1390.1	517.8	198.3	136.9	115.4	102.6	93.9	92.0	92.9	93.9
70°	1788.9	1338.3	487.2	196.9	137.8	115.4	101.6	92.9	92.0	93.4	93.9
72.5°	1641.4	1213.8	441.8	190.0	136.4	113.5	100.3	91.6	91.6	93.9	93.9
75°	1413.4	1034.8	382.3	179.5	132.8	110.8	97.5	89.3	90.2	93.4	93.4
77.5°	1131.8	818.7	315.0	164.4	125.9	106.2	93.9	86.1	88.4	92.0	91.6
80°	842.5	609.9	253.7	147.4	116.8	99.8	88.8	82.4	85.6	88.8	87.9
82.5°	561.3	428.1	200.5	129.6	107.1	93.4	83.3	77.4	81.5	84.7	83.3
85°	364.5	285.2	155.2	111.7	97.1	86.1	76.5	71.9	76.0	78.8	77.4
87.5°	227.1	191.4	118.1	95.2	86.5	77.8	70.5	65.5	69.6	72.3	70.5
90°	150.2	128.2	92.9	82.4	76.9	70.1	63.2	59.5	63.6	64.6	63.2
92.5°	98.9	90.7	75.5	70.5	67.8	62.3	57.2	54.0	57.2	57.7	56.8
95°	71.0	68.7	62.3	61.4	60.0	55.4	51.3	48.5	50.4	50.8	49.0
97.5°	54.0	53.6	53.1	53.1	52.2	49.0	45.3	43.0	44.0	43.5	42.1
100°	42.1	43.0	44.4	45.3	44.9	42.6	39.8	38.0	38.5	36.6	35.3
102.5°	33.0	34.8	37.1	38.5	38.5	36.6	35.3	33.4	32.1	29.8	29.3
105°	26.1	27.5	30.7	33.0	33.0	32.1	30.7	28.4	27.0	24.3	24.3
107.5°	20.6	22.4	26.1	27.9	28.4	27.5	26.6	24.7	22.4	19.7	19.7
110°	16.5	17.9	22.0	23.8	24.3	23.8	22.9	20.6	18.3	16.5	16.5



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	15.1	18.3	20.1	21.1	20.6	19.7	17.4	15.1	13.7	13.7
115°	11.9	13.3	15.6	17.4	17.9	17.9	16.5	15.1	12.4	11.9	11.9
117.5°	10.5	11.4	13.7	15.1	16.0	15.6	14.2	12.8	11.0	10.5	10.5
120°	9.6	10.5	12.4	13.7	13.7	13.3	12.4	11.0	9.6	9.2	9.6
122.5°	8.7	9.6	11.0	11.9	11.9	11.9	11.0	9.6	8.2	8.2	8.7
125°	8.2	8.7	10.1	10.5	11.0	10.5	9.6	8.2	7.3	7.8	7.8
127.5°	7.8	8.2	9.2	9.6	9.6	9.2	8.2	7.3	6.4	6.9	7.3
130°	7.3	7.8	8.2	8.7	8.7	8.2	7.3	6.4	6.0	6.4	6.4
132.5°	6.4	6.9	7.3	7.8	7.3	7.3	6.4	5.5	5.5	6.0	6.0
135°	6.0	6.4	6.4	6.9	6.4	6.4	5.5	5.0	5.0	5.5	5.5
137.5°	5.5	6.0	6.0	6.0	5.5	5.5	5.0	4.6	4.6	4.6	5.0
140°	5.0	5.0	5.0	5.0	4.6	4.6	4.1	3.7	4.1	4.1	4.1
142.5°	4.6	4.6	4.6	4.1	4.1	3.7	3.2	3.2	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.2	3.2	2.7	2.7	2.7	3.2	3.2	3.2
147.5°	3.2	3.2	3.2	2.7	2.3	2.3	2.3	2.3	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.3	1.8	1.8	1.4	1.8	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	1.8	0.9	1.4	1.8	1.8	1.8	1.8
155°	1.8	1.8	2.3	1.8	1.4	0.5	0.9	1.4	1.4	1.4	1.4
157.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.9	0.9	1.4	0.9	1.4
160°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.9	0.9	0.9
162.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.9	0.5	0.5	0.5
165°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
170°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
175°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	1.4	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)