

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: P416525

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-827-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5791 lumens  
Efficiency: N/A  
Efficacy: 78.3 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 - G3

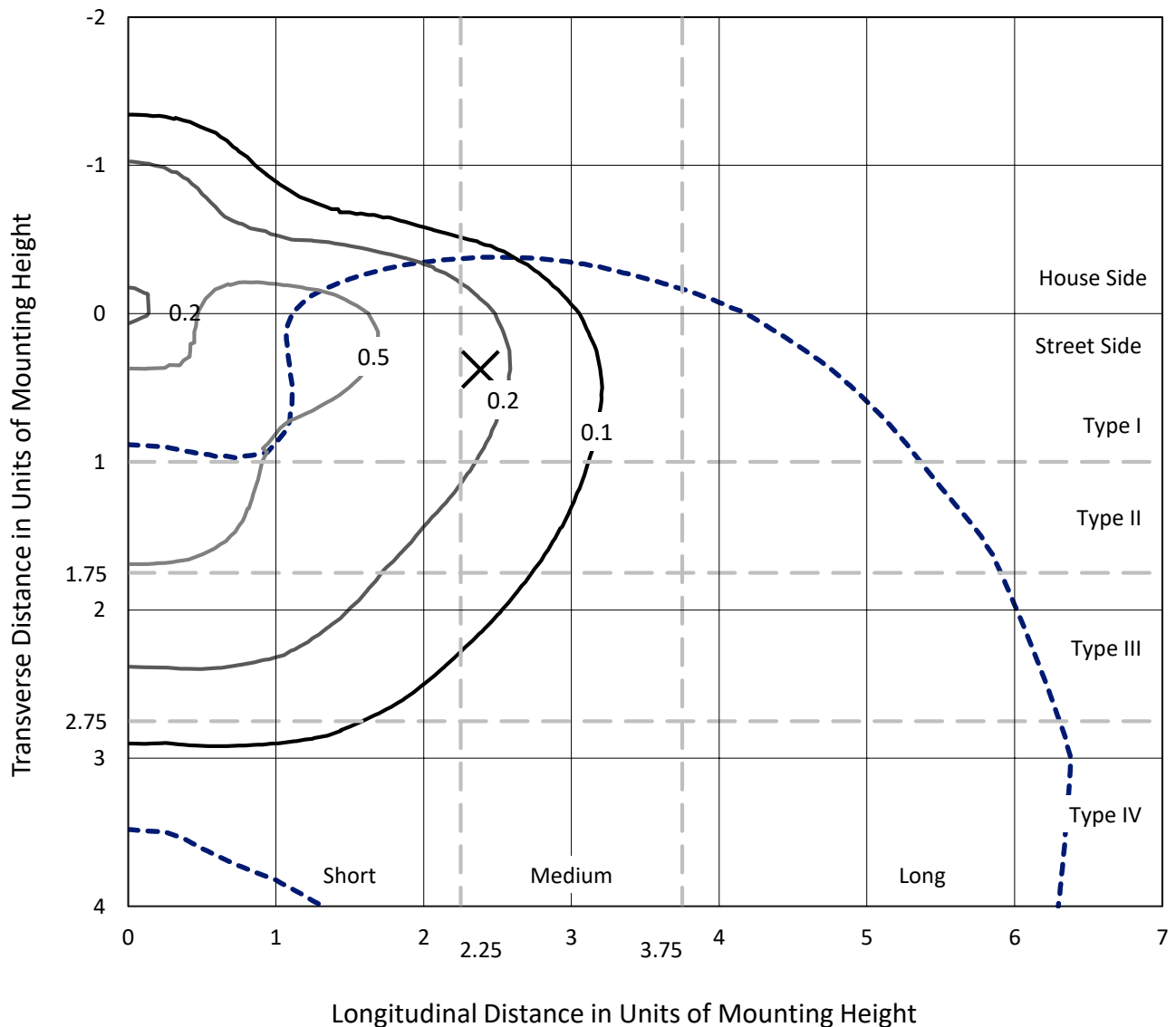
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

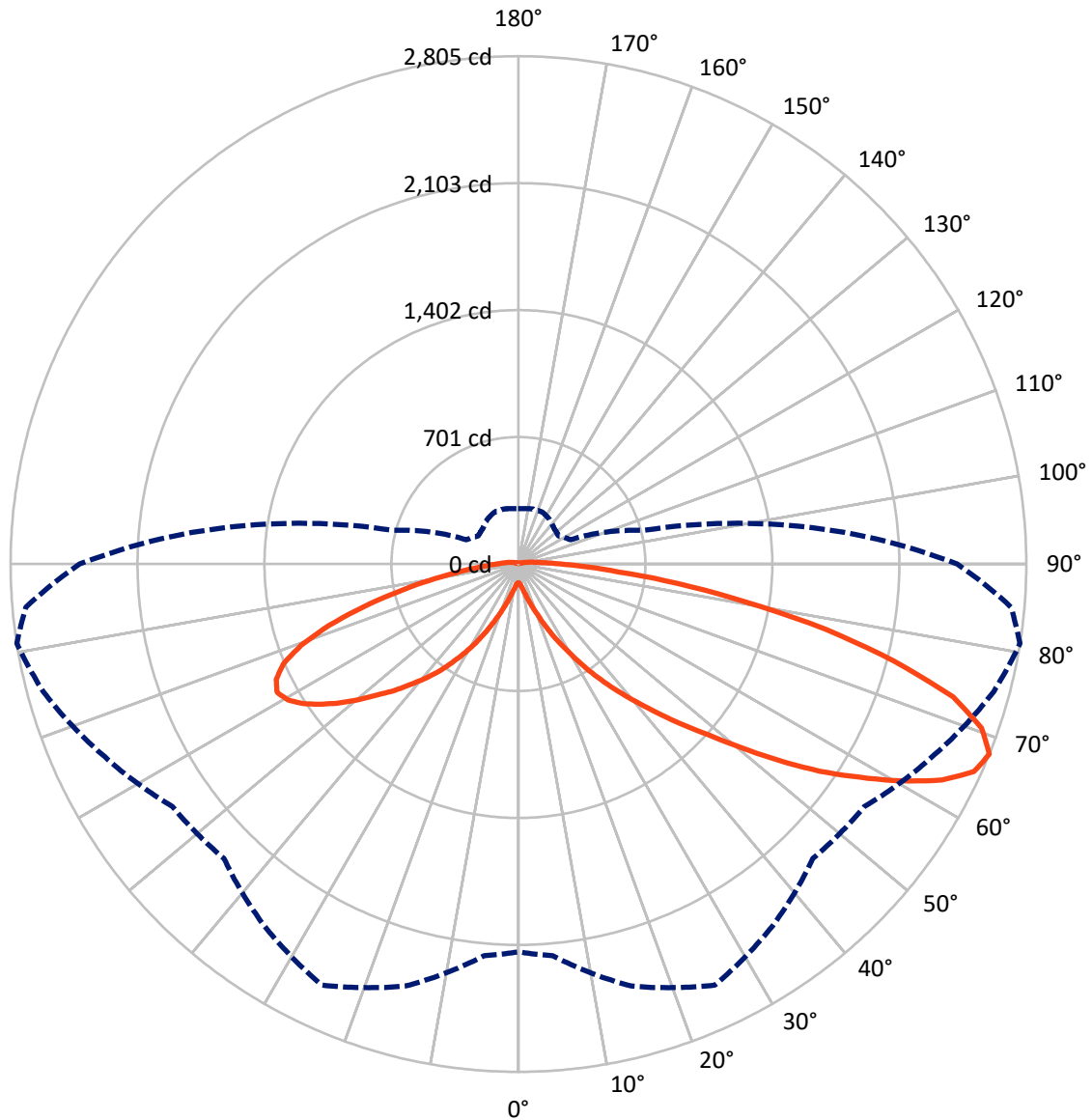


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1267.6	90.2	1357.8
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	4319.8	113.4	4433.2
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	5587.5	203.5	5791.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	0.2
10°-20°	59.8	1.0
20°-30°	178.3	3.1
30°-40°	387.1	6.7
40°-50°	678.8	11.7
50°-60°	1075.8	18.6
60°-70°	1451.7	25.1
70°-80°	1245.6	21.5
80°-90°	498.3	8.6
90°-100°	121.3	2.1
100°-110°	42.6	0.7
110°-120°	19.5	0.3
120°-130°	10.5	0.2
130°-140°	5.9	0.1
140°-150°	2.7	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5587.5	96.5
0°-180°	5791.0	100.0



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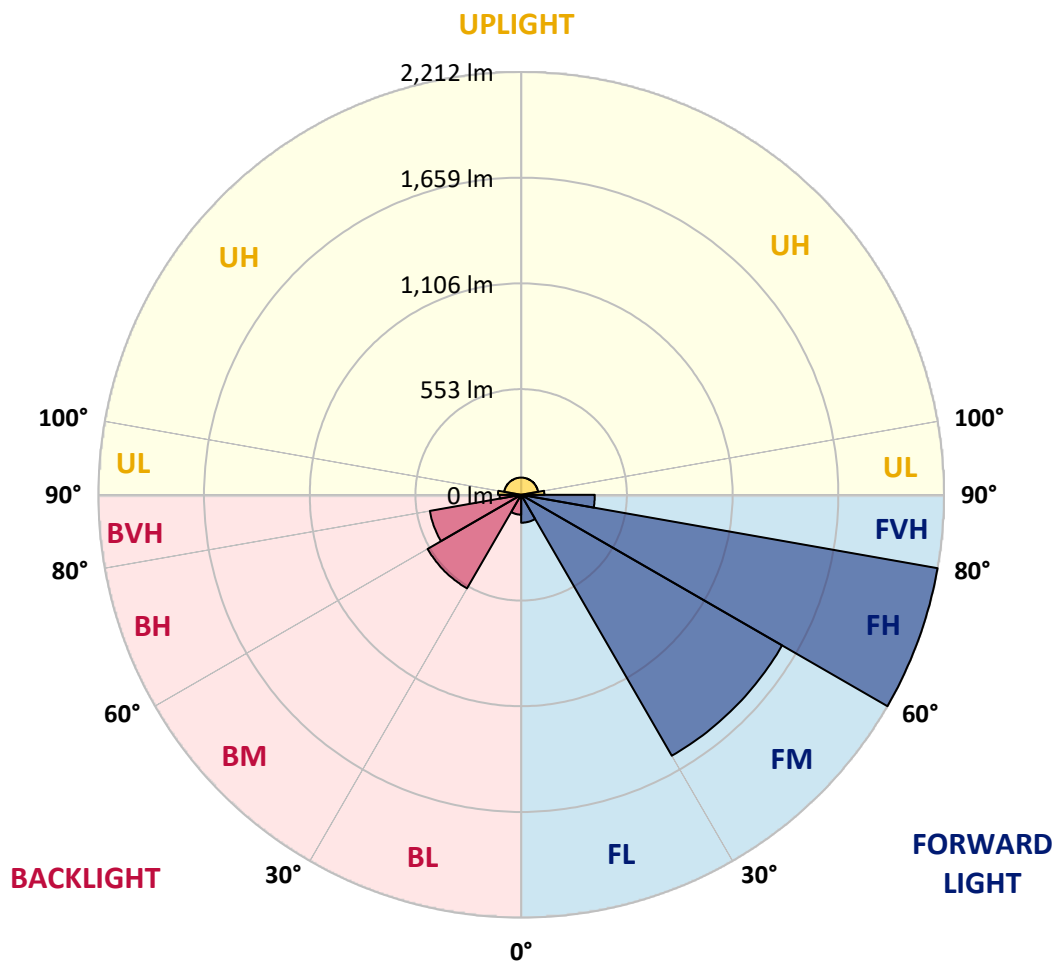
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.1	2.5			
FM	(30°-60°)	1576.2	27.2			
FH	(60°-80°)	2212.3	38.2			G2/5000
FVH	(80°-90°)	385.2	6.7			G3/500
BL	(0°-30°)	104.0	1.8	B0/110		
BM	(30°-60°)	565.5	9.8	B1/1000		
BH	(60°-80°)	485.0	8.4	B1/500		G1/500
BVH	(80°-90°)	113.2	2.0			G2/225
UL	(90°-100°)	121.3	2.1		U3/500	
UH	(100°-180°)	90.2	1.6		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	113.7	113.0	113.0	113.7	113.7	113.7	111.6	109.6	107.6	106.9	106.3
5°	129.1	127.8	127.8	127.8	127.1	125.1	122.4	119.7	117.0	115.7	114.3
7.5°	149.3	148.6	148.0	145.9	145.3	141.9	137.9	133.8	129.8	128.5	127.1
10°	176.9	176.2	172.9	172.2	168.8	165.5	159.4	153.3	148.0	145.9	143.9
12.5°	211.9	211.9	207.2	201.8	197.7	191.0	185.6	178.2	174.2	171.5	168.8
15°	257.6	254.9	248.9	242.8	232.0	224.0	215.9	211.9	209.2	205.8	201.8
17.5°	308.0	304.7	299.3	287.2	273.1	261.6	254.2	250.2	248.9	246.8	242.1
20°	368.6	364.5	357.1	338.3	322.8	307.4	298.6	296.6	297.9	294.6	289.9
22.5°	440.5	437.8	422.4	398.8	377.3	355.8	347.7	349.1	351.8	356.5	353.8
25°	522.6	515.9	501.1	467.4	431.8	410.9	402.9	408.9	421.0	427.8	422.4
27.5°	618.1	614.1	584.5	540.7	494.3	466.1	460.0	477.5	498.4	503.8	503.8
30°	719.0	721.7	678.6	626.8	568.3	529.3	521.9	546.8	582.4	585.8	594.6
32.5°	846.8	842.1	797.0	712.3	643.0	592.5	587.8	622.8	667.9	685.3	685.3
35°	980.6	975.9	920.7	820.5	724.4	659.1	662.5	699.5	760.7	782.9	786.2
37.5°	1134.6	1119.2	1059.3	934.9	813.1	736.5	730.4	786.2	858.2	889.8	889.8
40°	1304.1	1295.4	1212.0	1064.7	903.9	816.5	811.8	876.4	963.8	998.8	1005.5
42.5°	1468.9	1457.5	1380.1	1190.4	1008.9	901.2	901.9	972.5	1072.7	1121.2	1129.9
45°	1643.1	1632.3	1547.6	1345.1	1122.5	1006.2	998.1	1086.2	1205.9	1259.7	1269.8
47.5°	1797.8	1790.4	1717.1	1499.2	1263.8	1118.5	1107.7	1209.3	1347.8	1407.7	1438.0
50°	1965.9	1956.5	1887.9	1663.3	1404.3	1238.2	1237.5	1346.5	1520.0	1592.6	1617.5
52.5°	2102.5	2091.7	2043.9	1828.0	1543.5	1378.1	1366.7	1500.5	1698.2	1802.5	1814.6
55°	2228.2	2224.2	2208.0	2004.9	1713.0	1515.3	1522.7	1681.4	1901.4	2019.1	2037.2
57.5°	2319.0	2324.4	2331.8	2182.5	1879.2	1668.6	1682.1	1863.0	2112.5	2222.2	2247.1
60°	2380.9	2399.7	2448.8	2337.2	2048.6	1836.1	1859.0	2042.6	2315.7	2432.7	2452.9
62.5°	2385.6	2405.8	2520.1	2481.8	2211.4	2007.6	2033.9	2227.6	2497.3	2627.1	2629.1
65°	2296.2	2323.7	2506.7	2559.8	2354.7	2171.7	2195.3	2392.3	2649.3	2764.3	2722.6
67.5°	2142.1	2171.1	2413.2	2566.5	2443.4	2299.5	2333.1	2520.1	2717.9	2804.6	2730.6
70°	1918.8	1947.1	2202.0	2465.0	2459.6	2374.8	2419.2	2572.6	2705.1	2713.8	2609.6
72.5°	1625.6	1622.9	1898.0	2243.0	2370.1	2368.8	2439.4	2532.9	2559.1	2510.0	2355.3
75°	1244.9	1279.9	1530.8	1922.2	2166.3	2261.9	2333.1	2368.8	2293.5	2141.5	1974.0
77.5°	891.8	920.7	1148.7	1515.3	1863.7	2039.9	2118.6	2101.8	1914.8	1736.6	1544.2
80°	590.5	607.3	797.7	1131.3	1502.5	1707.0	1801.8	1737.2	1499.8	1271.8	1105.7
82.5°	354.4	382.0	501.7	795.0	1114.4	1349.2	1407.0	1299.4	1070.7	885.1	763.4
85°	214.5	220.6	312.1	508.5	778.2	970.5	1025.7	910.0	704.2	552.9	458.7
87.5°	120.4	131.2	193.0	330.9	523.3	673.9	693.4	599.3	441.9	343.0	287.2
90°	70.6	78.0	118.4	205.1	333.6	435.8	441.2	362.5	261.6	206.5	183.6
92.5°	45.1	50.4	78.7	131.8	214.5	283.2	275.8	224.0	167.5	137.9	119.0
95°	32.3	35.0	55.2	90.8	143.9	178.2	175.5	140.6	112.3	96.2	87.4
97.5°	24.2	26.9	43.0	66.6	96.9	119.7	117.0	93.5	78.0	70.6	67.3
100°	20.2	21.5	35.0	52.5	72.0	86.1	84.7	69.3	58.5	53.1	51.8
102.5°	17.5	18.8	28.9	42.4	57.2	66.6	63.9	53.8	44.4	39.7	38.3
105°	15.5	16.1	24.9	36.3	47.1	52.5	51.8	43.0	34.3	29.6	28.9
107.5°	14.1	14.8	21.5	30.9	39.7	44.4	43.0	35.0	26.2	22.9	22.2
110°	12.8	13.5	18.8	26.9	33.6	37.7	35.6	28.9	20.8	17.5	17.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	12.1	12.1	16.8	22.9	28.9	32.3	30.3	23.5	16.1	14.1	14.8
115°	11.4	11.4	14.8	20.2	25.6	28.2	25.6	19.5	13.5	12.1	12.1
117.5°	10.8	10.8	13.5	18.2	22.9	24.9	22.2	16.8	11.4	10.1	10.8
120°	10.1	10.8	12.8	16.1	20.2	21.5	19.5	14.1	9.4	9.4	10.1
122.5°	10.1	10.1	12.1	14.8	18.2	18.8	16.8	12.1	8.7	8.7	8.7
125°	10.1	10.1	11.4	13.5	16.1	16.8	14.1	10.1	8.1	8.1	8.1
127.5°	10.1	10.1	10.8	12.8	14.1	14.8	12.8	9.4	7.4	7.4	8.1
130°	9.4	10.1	10.1	11.4	12.8	12.8	10.8	8.1	6.7	6.7	7.4
132.5°	9.4	9.4	10.1	10.8	11.4	11.4	9.4	7.4	6.1	6.7	6.7
135°	9.4	9.4	9.4	10.1	10.8	10.1	8.1	6.1	5.4	6.1	6.1
137.5°	8.7	8.7	8.7	9.4	9.4	8.7	7.4	5.4	5.4	5.4	5.4
140°	8.1	8.1	8.1	8.1	8.7	8.1	6.1	4.7	4.7	4.7	4.7
142.5°	7.4	7.4	7.4	7.4	7.4	6.7	5.4	4.0	4.0	4.0	4.0
145°	6.7	6.7	6.7	6.7	6.1	5.4	4.0	3.4	3.4	4.0	4.0
147.5°	5.4	5.4	5.4	5.4	5.4	4.7	3.4	2.7	3.4	3.4	3.4
150°	4.7	4.7	4.7	4.7	4.0	4.0	2.7	2.7	2.7	3.4	3.4
152.5°	3.4	3.4	3.4	4.0	3.4	2.7	2.0	2.0	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	2.7	2.0	1.3	2.0	2.7	2.7	2.7
157.5°	1.3	2.0	2.0	2.0	2.0	2.0	1.3	2.0	2.0	2.0	2.0
160°	0.7	0.7	1.3	1.3	2.0	2.0	1.3	1.3	2.0	2.0	2.0
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°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
2.5°	106.3	105.6	104.9	104.2	103.6	103.6	102.9	102.2	101.6	100.9	100.9
5°	113.7	112.3	110.3	109.0	107.6	107.6	106.3	105.6	104.2	103.6	103.6
7.5°	125.1	124.4	120.4	118.4	116.4	115.7	114.3	113.0	111.6	111.6	111.6
10°	141.9	139.9	136.5	131.2	129.1	127.8	125.8	124.4	124.4	125.1	125.1
12.5°	167.5	162.1	157.4	150.0	145.9	143.3	141.9	142.6	145.9	147.3	145.9
15°	197.1	195.7	184.3	173.5	165.5	160.1	163.4	167.5	172.2	173.5	175.5
17.5°	238.1	233.4	217.9	202.4	187.6	185.0	189.0	195.7	201.1	205.1	208.5
20°	287.2	279.1	260.3	233.4	216.6	212.5	215.2	224.6	234.7	242.8	243.5
22.5°	349.1	337.0	303.3	269.7	244.8	238.1	241.5	256.2	271.0	281.1	280.5
25°	416.3	401.5	356.5	308.0	273.7	261.6	267.7	287.2	308.0	320.1	321.5
27.5°	491.6	476.9	414.3	345.0	300.0	281.8	291.9	314.1	342.3	357.1	359.8
30°	580.4	560.3	472.1	384.7	324.2	300.6	310.1	339.0	369.9	390.8	393.5
32.5°	672.6	641.0	530.0	417.0	341.0	312.7	323.5	357.1	392.8	415.6	419.7
35°	768.1	729.1	588.5	444.6	353.1	320.1	330.9	368.6	406.2	431.1	434.5
37.5°	875.7	823.9	641.6	465.4	359.8	322.2	332.9	370.6	408.9	433.1	436.5
40°	984.0	914.7	686.0	478.2	360.5	320.1	328.9	365.2	401.5	422.4	425.7
42.5°	1100.3	1010.2	730.4	481.6	357.1	314.8	322.2	354.4	385.4	401.5	403.5
45°	1230.8	1120.5	768.1	478.9	347.7	306.7	312.1	339.6	363.9	371.3	374.6
47.5°	1368.7	1229.5	797.0	470.8	338.3	297.9	301.3	324.2	339.6	340.3	341.0
50°	1536.8	1362.0	832.6	459.4	325.5	289.9	291.9	310.1	317.5	314.1	312.7
52.5°	1721.1	1503.9	855.5	441.2	314.1	282.5	284.5	298.6	301.3	293.9	294.6
55°	1921.5	1636.4	875.0	423.7	302.0	277.8	281.8	293.2	293.2	283.8	283.2
57.5°	2108.5	1771.5	883.8	401.5	291.9	274.4	281.1	292.6	291.2	282.5	281.8
60°	2289.4	1881.9	873.0	380.0	285.2	273.1	285.2	297.3	295.9	288.5	287.9
62.5°	2414.5	1951.1	846.1	358.5	279.1	275.1	289.9	304.0	304.0	295.9	295.9
65°	2468.3	1943.1	790.9	337.0	274.4	276.4	296.6	311.4	310.1	303.3	302.0
67.5°	2423.3	1869.7	717.0	316.1	270.4	277.8	300.0	315.4	314.1	306.7	305.3
70°	2278.7	1715.7	627.5	297.3	265.0	275.8	301.3	314.8	312.7	306.0	303.3
72.5°	1990.8	1476.3	534.0	279.1	256.9	271.0	297.3	309.4	307.4	302.0	298.6
75°	1639.7	1190.4	441.2	258.9	246.8	262.3	288.5	299.3	296.6	291.9	288.5
77.5°	1253.7	899.2	364.5	240.1	234.7	250.9	276.4	284.5	281.8	277.8	275.8
80°	887.1	640.3	293.2	219.3	217.2	233.4	254.9	263.6	262.3	258.3	254.9
82.5°	583.8	425.7	234.1	195.7	197.1	213.9	230.0	234.7	234.1	230.7	226.7
85°	359.8	280.5	184.3	168.8	174.9	188.3	201.8	202.4	200.4	199.8	193.7
87.5°	229.3	191.7	144.6	143.3	152.0	163.4	169.5	166.8	168.1	168.1	163.4
90°	149.3	134.5	115.7	119.7	129.1	137.9	140.6	133.2	137.2	135.2	133.2
92.5°	108.3	100.2	94.2	99.5	109.0	117.0	115.7	107.6	109.6	109.6	109.0
95°	82.1	78.0	78.7	84.1	91.5	96.9	94.2	87.4	88.1	86.8	84.7
97.5°	64.6	63.9	66.6	70.6	77.3	80.7	78.0	72.0	71.3	69.3	68.6
100°	51.1	51.8	55.8	60.5	64.6	67.3	65.2	59.2	56.5	53.1	52.5
102.5°	39.7	41.0	46.4	50.4	54.5	56.5	54.5	49.8	45.1	41.7	41.0
105°	30.9	32.3	38.3	42.4	45.7	47.1	45.7	40.4	35.6	31.6	31.6
107.5°	24.2	25.6	31.6	36.3	38.3	39.7	37.7	33.6	28.2	24.9	24.9
110°	19.5	20.8	26.2	30.3	32.3	33.6	31.6	26.9	22.9	20.2	20.2



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CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	17.5	21.5	25.6	27.6	28.2	26.2	22.9	18.2	16.8	16.8
115°	13.5	14.8	18.2	21.5	23.5	23.5	22.2	18.8	14.8	14.1	14.1
117.5°	11.4	12.8	15.5	18.8	20.2	20.2	18.8	15.5	12.8	12.1	12.1
120°	10.8	11.4	13.5	16.1	17.5	17.5	16.1	13.5	10.8	10.8	10.8
122.5°	9.4	10.1	12.1	14.1	15.5	15.5	14.1	11.4	9.4	10.1	10.1
125°	8.7	9.4	10.8	12.1	13.5	13.5	12.1	10.1	8.7	8.7	8.7
127.5°	8.1	8.7	9.4	10.8	11.4	11.4	10.8	8.7	8.1	8.1	8.1
130°	7.4	8.1	8.7	9.4	10.1	10.1	8.7	7.4	7.4	7.4	7.4
132.5°	7.4	7.4	7.4	8.1	8.7	8.7	8.1	6.7	6.7	6.7	6.7
135°	6.7	6.7	6.7	6.7	7.4	7.4	6.7	6.1	6.1	6.1	6.1
137.5°	6.1	6.1	6.1	6.1	6.7	6.7	6.1	5.4	5.4	5.4	5.4
140°	5.4	5.4	5.4	4.7	5.4	5.4	4.7	4.7	4.7	4.7	4.7
142.5°	4.0	4.7	4.0	4.0	4.0	4.0	4.0	3.4	4.0	4.0	4.0
145°	4.0	4.0	4.0	3.4	3.4	3.4	3.4	2.7	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	2.7	2.0	2.7	2.0	2.7	2.7	2.7	2.7
150°	3.4	3.4	2.7	2.7	2.0	1.3	1.3	2.0	2.0	2.0	2.0
152.5°	2.7	2.7	2.7	2.0	1.3	0.7	0.7	1.3	1.3	1.3	1.3
155°	2.7	2.7	2.0	2.0	1.3	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	2.0	2.0	2.0	1.3	1.3	0.7	0.0	0.7	0.0	0.0	0.0
160°	2.0	2.0	2.0	1.3	0.7	0.7	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)