

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: P416265

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416265  
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-PA1-70-727-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 6588 lumens  
Efficiency: N/A  
Efficacy: 89.0 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: B2 - 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

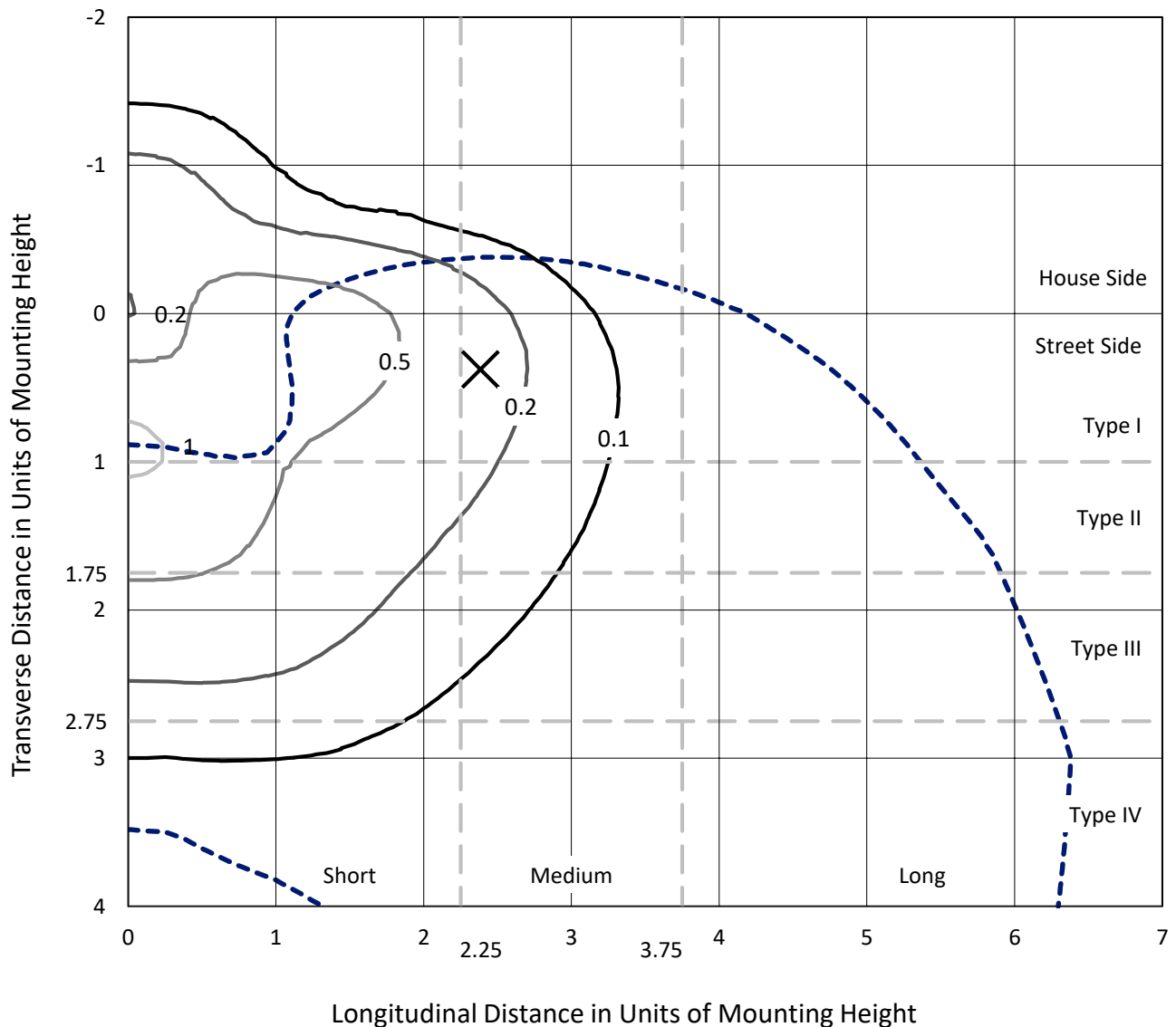


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

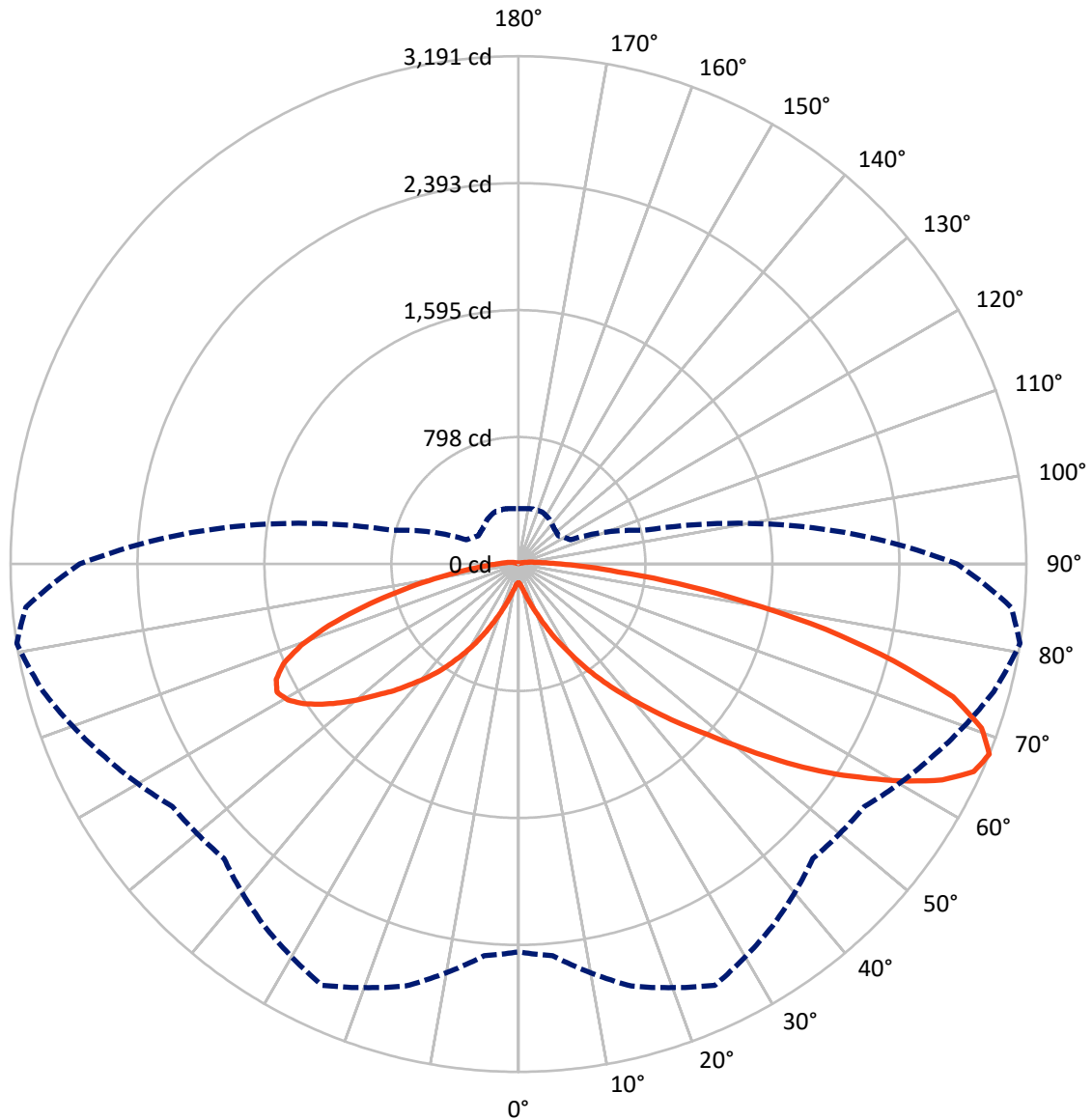


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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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	1442.1	102.6	1544.7
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	4914.4	129.0	5043.3
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	6356.5	231.5	6588.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	68.0	1.0
20°-30°	202.9	3.1
30°-40°	440.4	6.7
40°-50°	772.3	11.7
50°-60°	1223.9	18.6
60°-70°	1651.5	25.1
70°-80°	1417.0	21.5
80°-90°	566.9	8.6
90°-100°	138.0	2.1
100°-110°	48.5	0.7
110°-120°	22.2	0.3
120°-130°	12.0	0.2
130°-140°	6.7	0.1
140°-150°	3.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6356.5	96.5
0°-180°	6588.0	100.0



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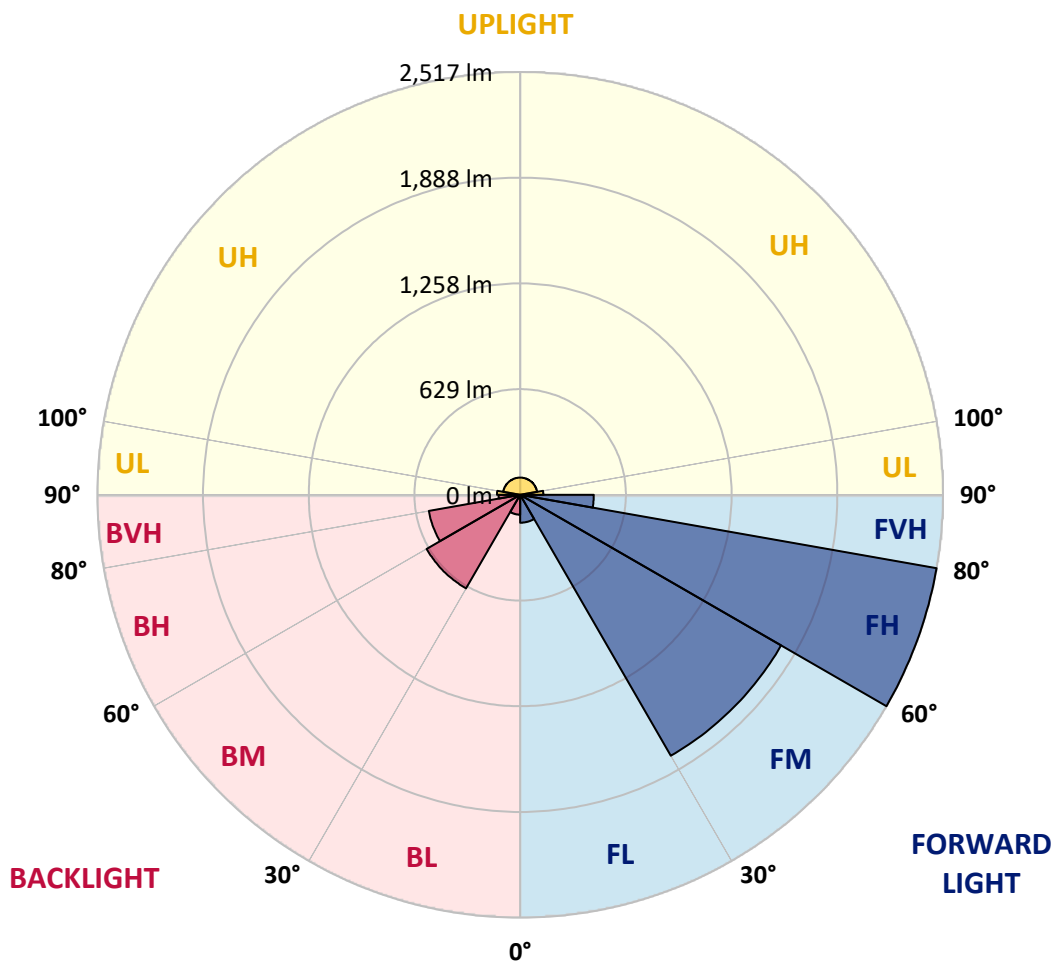
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.2	2.5			
FM	(30°-60°)	1793.2	27.2			
FH	(60°-80°)	2516.8	38.2			G2/5000
FVH	(80°-90°)	438.2	6.7			G3/500
BL	(0°-30°)	118.3	1.8	B1/500		
BM	(30°-60°)	643.3	9.8	B1/1000		
BH	(60°-80°)	551.8	8.4	B2/1000		G2/1000
BVH	(80°-90°)	128.7	2.0			G2/225
UL	(90°-100°)	138.0	2.1		U3/500	
UH	(100°-180°)	102.6	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	129.3	128.5	128.5	129.3	129.3	129.3	127.0	124.7	122.4	121.7	120.9
5°	146.9	145.4	145.4	145.4	144.6	142.3	139.3	136.2	133.1	131.6	130.1
7.5°	169.9	169.1	168.3	166.0	165.3	161.4	156.9	152.3	147.7	146.1	144.6
10°	201.2	200.5	196.6	195.9	192.0	188.2	181.3	174.5	168.3	166.0	163.7
12.5°	241.0	241.0	235.7	229.5	224.9	217.3	211.2	202.8	198.2	195.1	192.0
15°	293.0	290.0	283.1	276.2	264.0	254.8	245.6	241.0	238.0	234.1	229.5
17.5°	350.4	346.6	340.5	326.7	310.6	297.6	289.2	284.6	283.1	280.8	275.4
20°	419.3	414.7	406.3	384.9	367.3	349.7	339.7	337.4	339.0	335.1	329.8
22.5°	501.2	498.1	480.5	453.7	429.2	404.8	395.6	397.1	400.2	405.5	402.5
25°	594.5	586.9	570.0	531.8	491.2	467.5	458.3	465.2	479.0	486.6	480.5
27.5°	703.2	698.6	664.9	615.2	562.4	530.2	523.4	543.2	567.0	573.1	573.1
30°	817.9	821.0	772.0	713.1	646.5	602.2	593.7	622.1	662.6	666.4	676.4
32.5°	963.3	957.9	906.7	810.3	731.5	674.1	668.7	708.5	759.8	779.7	779.7
35°	1115.6	1110.2	1047.5	933.5	824.0	749.8	753.7	795.7	865.4	890.6	894.4
37.5°	1290.8	1273.2	1205.1	1063.5	925.0	837.8	830.9	894.4	976.3	1012.3	1012.3
40°	1483.6	1473.6	1378.8	1211.2	1028.3	928.9	923.5	997.0	1096.4	1136.2	1143.9
42.5°	1671.1	1658.0	1570.1	1354.3	1147.7	1025.3	1026.0	1106.4	1220.4	1275.5	1285.4
45°	1869.2	1857.0	1760.6	1530.3	1277.0	1144.6	1135.5	1235.7	1371.9	1433.1	1444.6
47.5°	2045.2	2036.8	1953.4	1705.5	1437.7	1272.4	1260.2	1375.7	1533.3	1601.4	1635.9
50°	2236.5	2225.8	2147.7	1892.2	1597.6	1408.6	1407.8	1531.8	1729.2	1811.8	1840.1
52.5°	2391.8	2379.6	2325.2	2079.6	1756.0	1567.8	1554.8	1707.0	1932.0	2050.6	2064.3
55°	2534.9	2530.3	2511.9	2280.9	1948.8	1723.8	1732.3	1912.8	2163.0	2296.9	2317.6
57.5°	2638.2	2644.3	2652.7	2482.9	2137.8	1898.3	1913.6	2119.4	2403.3	2528.0	2556.3
60°	2708.6	2730.0	2785.9	2658.8	2330.6	2088.8	2114.8	2323.7	2634.4	2767.5	2790.4
62.5°	2713.9	2736.9	2867.0	2823.3	2515.8	2283.9	2313.8	2534.1	2840.9	2988.6	2990.9
65°	2612.2	2643.5	2851.7	2912.1	2678.7	2470.6	2497.4	2721.6	3013.9	3144.7	3097.3
67.5°	2437.0	2469.9	2745.3	2919.8	2779.7	2616.0	2654.3	2867.0	3091.9	3190.6	3106.4
70°	2182.9	2215.1	2505.0	2804.2	2798.1	2701.7	2752.2	2926.6	3077.4	3087.3	2968.7
72.5°	1849.3	1846.3	2159.2	2551.7	2696.3	2694.8	2775.1	2881.5	2911.3	2855.5	2679.5
75°	1416.3	1456.1	1741.4	2186.8	2464.5	2573.1	2654.3	2694.8	2609.1	2436.2	2245.7
77.5°	1014.6	1047.5	1306.8	1723.8	2120.2	2320.7	2410.2	2391.0	2178.3	1975.6	1756.7
80°	671.8	690.9	907.4	1287.0	1709.3	1941.9	2049.8	1976.3	1706.2	1446.9	1257.9
82.5°	403.2	434.6	570.8	904.4	1267.8	1534.9	1600.7	1478.2	1218.1	1006.9	868.4
85°	244.1	251.0	355.0	578.4	885.3	1104.1	1166.8	1035.2	801.1	628.9	521.8
87.5°	137.0	149.2	219.6	376.4	595.3	766.7	788.9	681.7	502.7	390.2	326.7
90°	80.3	88.8	134.7	233.4	379.5	495.8	501.9	412.4	297.6	234.9	208.9
92.5°	51.3	57.4	89.5	150.0	244.1	322.1	313.7	254.8	190.5	156.9	135.4
95°	36.7	39.8	62.7	103.3	163.7	202.8	199.7	159.9	127.8	109.4	99.5
97.5°	27.5	30.6	49.0	75.7	110.2	136.2	133.1	106.4	88.8	80.3	76.5
100°	23.0	24.5	39.8	59.7	81.9	97.9	96.4	78.8	66.6	60.4	58.9
102.5°	19.9	21.4	32.9	48.2	65.0	75.7	72.7	61.2	50.5	45.1	43.6
105°	17.6	18.4	28.3	41.3	53.6	59.7	58.9	49.0	39.0	33.7	32.9
107.5°	16.1	16.8	24.5	35.2	45.1	50.5	49.0	39.8	29.8	26.0	25.2
110°	14.5	15.3	21.4	30.6	38.3	42.8	40.6	32.9	23.7	19.9	19.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	13.8	13.8	19.1	26.0	32.9	36.7	34.4	26.8	18.4	16.1	16.8
115°	13.0	13.0	16.8	23.0	29.1	32.1	29.1	22.2	15.3	13.8	13.8
117.5°	12.2	12.2	15.3	20.7	26.0	28.3	25.2	19.1	13.0	11.5	12.2
120°	11.5	12.2	14.5	18.4	23.0	24.5	22.2	16.1	10.7	10.7	11.5
122.5°	11.5	11.5	13.8	16.8	20.7	21.4	19.1	13.8	9.9	9.9	9.9
125°	11.5	11.5	13.0	15.3	18.4	19.1	16.1	11.5	9.2	9.2	9.2
127.5°	11.5	11.5	12.2	14.5	16.1	16.8	14.5	10.7	8.4	8.4	9.2
130°	10.7	11.5	11.5	13.0	14.5	14.5	12.2	9.2	7.7	7.7	8.4
132.5°	10.7	10.7	11.5	12.2	13.0	13.0	10.7	8.4	6.9	7.7	7.7
135°	10.7	10.7	10.7	11.5	12.2	11.5	9.2	6.9	6.1	6.9	6.9
137.5°	9.9	9.9	9.9	10.7	10.7	9.9	8.4	6.1	6.1	6.1	6.1
140°	9.2	9.2	9.2	9.2	9.9	9.2	6.9	5.4	5.4	5.4	5.4
142.5°	8.4	8.4	8.4	8.4	8.4	7.7	6.1	4.6	4.6	4.6	4.6
145°	7.7	7.7	7.7	7.7	6.9	6.1	4.6	3.8	3.8	4.6	4.6
147.5°	6.1	6.1	6.1	6.1	6.1	5.4	3.8	3.1	3.8	3.8	3.8
150°	5.4	5.4	5.4	5.4	4.6	4.6	3.1	3.1	3.1	3.8	3.8
152.5°	3.8	3.8	3.8	4.6	3.8	3.1	2.3	2.3	3.1	3.1	3.1
155°	3.1	3.1	3.1	3.1	3.1	2.3	1.5	2.3	3.1	3.1	3.1
157.5°	1.5	2.3	2.3	2.3	2.3	2.3	1.5	2.3	2.3	2.3	2.3
160°	0.8	0.8	1.5	1.5	2.3	2.3	1.5	1.5	2.3	2.3	2.3
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°	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
2.5°	120.9	120.1	119.4	118.6	117.8	117.8	117.1	116.3	115.5	114.8	114.8
5°	129.3	127.8	125.5	124.0	122.4	122.4	120.9	120.1	118.6	117.8	117.8
7.5°	142.3	141.5	137.0	134.7	132.4	131.6	130.1	128.5	127.0	127.0	127.0
10°	161.4	159.1	155.3	149.2	146.9	145.4	143.1	141.5	141.5	142.3	142.3
12.5°	190.5	184.4	179.0	170.6	166.0	163.0	161.4	162.2	166.0	167.6	166.0
15°	224.2	222.7	209.6	197.4	188.2	182.1	185.9	190.5	195.9	197.4	199.7
17.5°	270.9	265.5	247.9	230.3	213.5	210.4	215.0	222.7	228.8	233.4	237.2
20°	326.7	317.5	296.1	265.5	246.4	241.8	244.8	255.6	267.0	276.2	277.0
22.5°	397.1	383.3	345.1	306.8	278.5	270.9	274.7	291.5	308.3	319.8	319.1
25°	473.6	456.8	405.5	350.4	311.4	297.6	304.5	326.7	350.4	364.2	365.7
27.5°	559.3	542.5	471.3	392.5	341.2	320.6	332.1	357.3	389.5	406.3	409.3
30°	660.3	637.4	537.1	437.7	368.8	342.0	352.7	385.6	420.8	444.5	447.6
32.5°	765.1	729.2	602.9	474.4	387.9	355.8	368.0	406.3	446.8	472.9	477.4
35°	873.8	829.4	669.5	505.8	401.7	364.2	376.4	419.3	462.1	490.5	494.3
37.5°	996.2	937.3	729.9	529.5	409.3	366.5	378.7	421.6	465.2	492.7	496.6
40°	1119.4	1040.6	780.4	544.0	410.1	364.2	374.2	415.5	456.8	480.5	484.3
42.5°	1251.8	1149.2	830.9	547.8	406.3	358.1	366.5	403.2	438.4	456.8	459.1
45°	1400.2	1274.7	873.8	544.8	395.6	348.9	355.0	386.4	413.9	422.4	426.2
47.5°	1557.0	1398.7	906.7	535.6	384.9	339.0	342.8	368.8	386.4	387.2	387.9
50°	1748.3	1549.4	947.2	522.6	370.3	329.8	332.1	352.7	361.1	357.3	355.8
52.5°	1958.0	1710.8	973.3	501.9	357.3	321.4	323.7	339.7	342.8	334.4	335.1
55°	2186.0	1861.6	995.4	482.0	343.5	316.0	320.6	333.6	333.6	322.9	322.1
57.5°	2398.7	2015.4	1005.4	456.8	332.1	312.2	319.8	332.8	331.3	321.4	320.6
60°	2604.5	2140.8	993.1	432.3	324.4	310.6	324.4	338.2	336.7	328.2	327.5
62.5°	2746.8	2219.7	962.5	407.8	317.5	312.9	329.8	345.8	345.8	336.7	336.7
65°	2808.0	2210.5	899.8	383.3	312.2	314.5	337.4	354.3	352.7	345.1	343.5
67.5°	2756.8	2127.1	815.6	359.6	307.6	316.0	341.2	358.8	357.3	348.9	347.4
70°	2592.3	1951.9	713.9	338.2	301.5	313.7	342.8	358.1	355.8	348.1	345.1
72.5°	2264.8	1679.5	607.5	317.5	292.3	308.3	338.2	352.0	349.7	343.5	339.7
75°	1865.4	1354.3	501.9	294.6	280.8	298.4	328.2	340.5	337.4	332.1	328.2
77.5°	1426.2	1023.0	414.7	273.2	267.0	285.4	314.5	323.7	320.6	316.0	313.7
80°	1009.2	728.4	333.6	249.4	247.1	265.5	290.0	299.9	298.4	293.8	290.0
82.5°	664.1	484.3	266.3	222.7	224.2	243.3	261.7	267.0	266.3	262.4	257.9
85°	409.3	319.1	209.6	192.0	198.9	214.2	229.5	230.3	228.0	227.2	220.4
87.5°	260.9	218.1	164.5	163.0	172.9	185.9	192.8	189.8	191.3	191.3	185.9
90°	169.9	153.0	131.6	136.2	146.9	156.9	159.9	151.5	156.1	153.8	151.5
92.5°	123.2	114.0	107.1	113.2	124.0	133.1	131.6	122.4	124.7	124.7	124.0
95°	93.3	88.8	89.5	95.6	104.1	110.2	107.1	99.5	100.2	98.7	96.4
97.5°	73.5	72.7	75.7	80.3	88.0	91.8	88.8	81.9	81.1	78.8	78.0
100°	58.2	58.9	63.5	68.9	73.5	76.5	74.2	67.3	64.3	60.4	59.7
102.5°	45.1	46.7	52.8	57.4	62.0	64.3	62.0	56.6	51.3	47.4	46.7
105°	35.2	36.7	43.6	48.2	52.0	53.6	52.0	45.9	40.6	36.0	36.0
107.5°	27.5	29.1	36.0	41.3	43.6	45.1	42.8	38.3	32.1	28.3	28.3
110°	22.2	23.7	29.8	34.4	36.7	38.3	36.0	30.6	26.0	23.0	23.0



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CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.6	19.9	24.5	29.1	31.4	32.1	29.8	26.0	20.7	19.1	19.1
115°	15.3	16.8	20.7	24.5	26.8	26.8	25.2	21.4	16.8	16.1	16.1
117.5°	13.0	14.5	17.6	21.4	23.0	23.0	21.4	17.6	14.5	13.8	13.8
120°	12.2	13.0	15.3	18.4	19.9	19.9	18.4	15.3	12.2	12.2	12.2
122.5°	10.7	11.5	13.8	16.1	17.6	17.6	16.1	13.0	10.7	11.5	11.5
125°	9.9	10.7	12.2	13.8	15.3	15.3	13.8	11.5	9.9	9.9	9.9
127.5°	9.2	9.9	10.7	12.2	13.0	13.0	12.2	9.9	9.2	9.2	9.2
130°	8.4	9.2	9.9	10.7	11.5	11.5	9.9	8.4	8.4	8.4	8.4
132.5°	8.4	8.4	8.4	9.2	9.9	9.9	9.2	7.7	7.7	7.7	7.7
135°	7.7	7.7	7.7	7.7	8.4	8.4	7.7	6.9	6.9	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	7.7	7.7	6.9	6.1	6.1	6.1	6.1
140°	6.1	6.1	6.1	5.4	6.1	6.1	5.4	5.4	5.4	5.4	5.4
142.5°	4.6	5.4	4.6	4.6	4.6	4.6	4.6	3.8	4.6	4.6	4.6
145°	4.6	4.6	4.6	3.8	3.8	3.8	3.8	3.1	3.8	3.8	3.8
147.5°	3.8	3.8	3.8	3.1	2.3	3.1	2.3	3.1	3.1	3.1	3.1
150°	3.8	3.8	3.1	3.1	2.3	1.5	1.5	2.3	2.3	2.3	2.3
152.5°	3.1	3.1	3.1	2.3	1.5	0.8	0.8	1.5	1.5	1.5	1.5
155°	3.1	3.1	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.3	2.3	2.3	1.5	1.5	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.3	2.3	2.3	1.5	0.8	0.8	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)