

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: P416312

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-730-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7497 lumens  
Efficiency: N/A  
Efficacy: 101.3 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: B2 - U3 - G3

Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

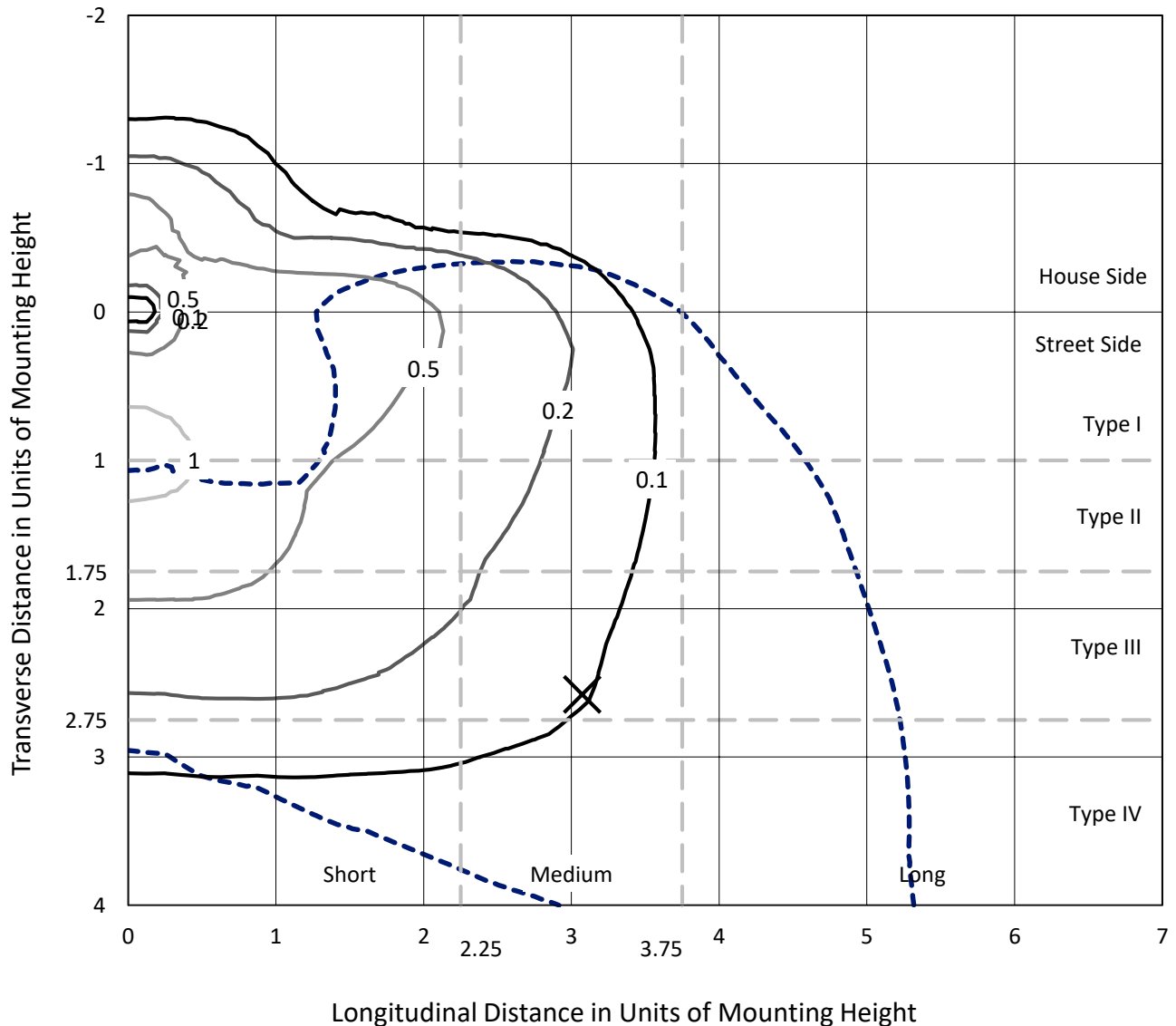


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### Iso-Footcandle Lines of Horizontal Illumination

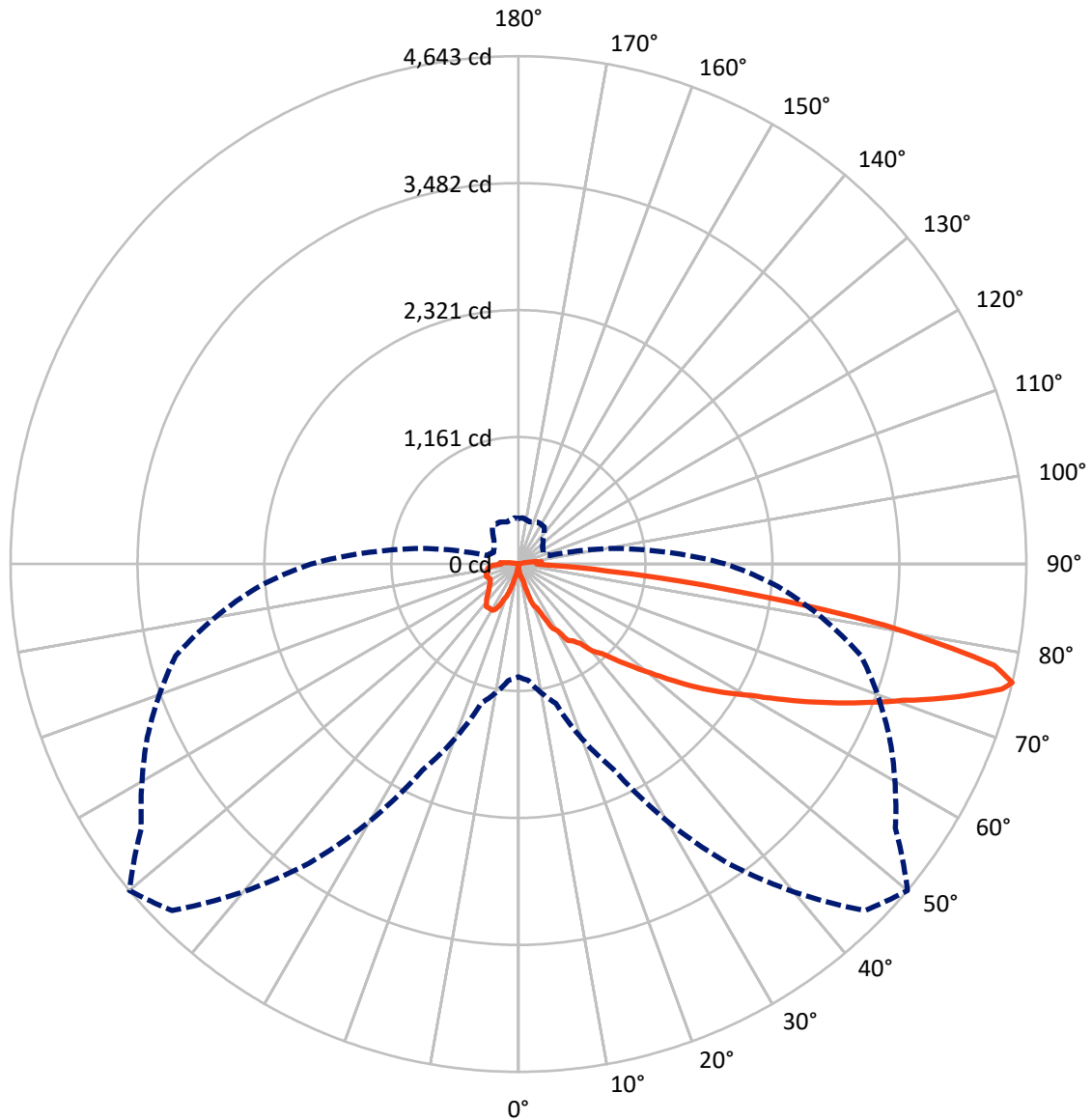
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 76-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1636.2	92.2	1728.4
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	5694.6	74.0	5768.6
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	7330.8	166.2	7497.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	62.6	0.8
20°-30°	244.6	3.3
30°-40°	526.4	7.0
40°-50°	857.6	11.4
50°-60°	1380.7	18.4
60°-70°	2011.1	26.8
70°-80°	1794.2	23.9
80°-90°	449.4	6.0
90°-100°	131.6	1.8
100°-110°	19.5	0.3
110°-120°	5.6	0.1
120°-130°	3.8	0.1
130°-140°	2.6	0.0
140°-150°	2.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7330.8	97.8
0°-180°	7497.0	100.0



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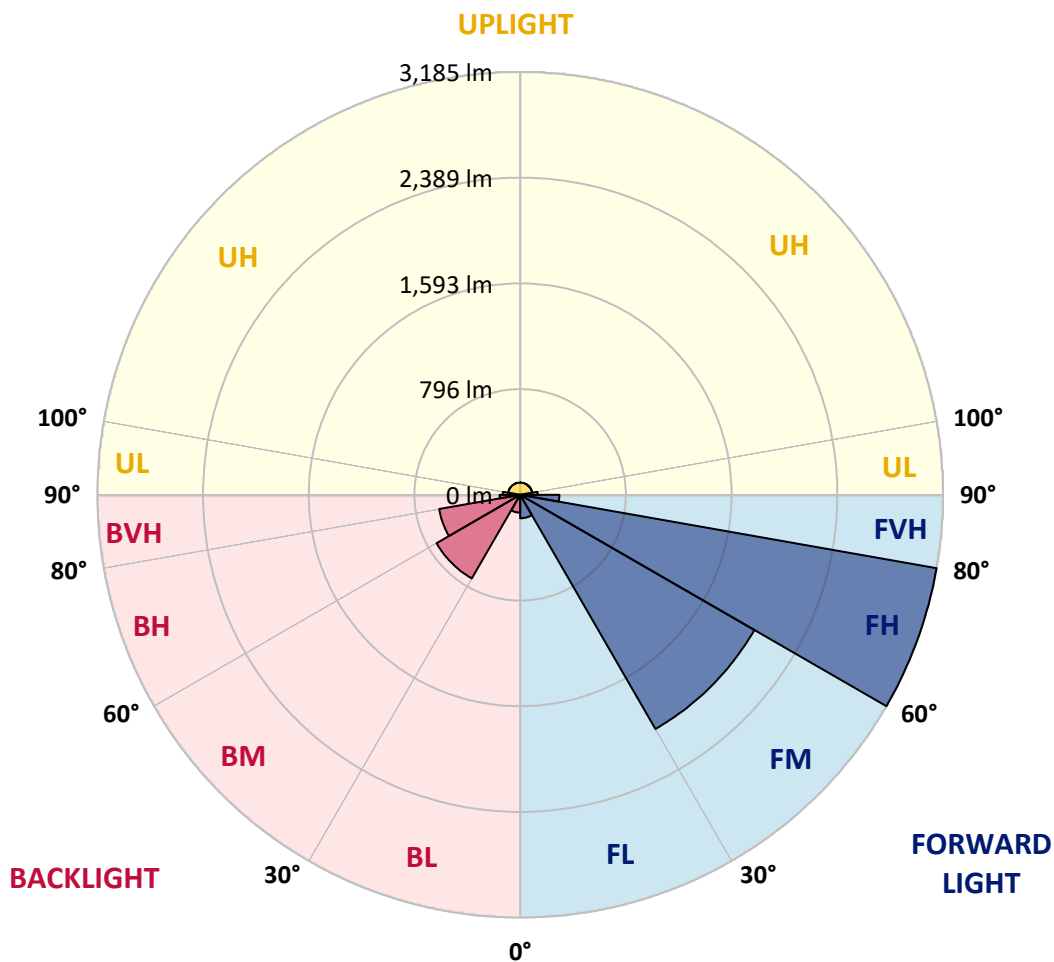
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.8	2.4			
FM	(30°-60°)	2037.2	27.2			
FH	(60°-80°)	3185.5	42.5			G2/5000
FVH	(80°-90°)	295.1	3.9			G3/500
BL	(0°-30°)	134.5	1.8	B1/500		
BM	(30°-60°)	727.5	9.7	B1/1000		
BH	(60°-80°)	619.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	154.3	2.1			G2/225
UL	(90°-100°)	131.6	1.8		U3/500	
UH	(100°-180°)	92.2	1.2		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	10.8	8.3	7.5	6.7	6.7	5.8	5.8	5.0	5.0	5.0	5.0
5°	105.0	101.6	94.1	87.5	30.0	25.0	20.8	15.8	5.8	5.8	5.0
7.5°	125.8	123.3	118.3	115.0	110.0	102.5	94.1	44.2	17.5	6.7	5.8
10°	165.0	152.5	142.5	134.1	128.3	115.8	112.5	105.8	29.2	12.5	9.2
12.5°	294.9	288.3	278.3	189.1	155.8	133.3	128.3	122.5	95.0	45.0	80.8
15°	324.9	318.3	308.3	295.8	277.5	164.1	154.1	191.6	245.0	184.1	192.5
17.5°	381.6	378.3	351.6	321.6	303.3	322.4	323.3	293.3	278.3	243.3	221.6
20°	529.1	525.7	510.7	434.1	343.3	407.4	405.8	390.8	312.4	359.1	386.6
22.5°	550.7	546.6	533.2	512.4	543.2	446.6	435.8	435.8	460.8	488.2	454.9
25°	724.9	720.7	619.1	539.1	582.4	531.6	533.2	589.9	509.9	535.7	511.6
27.5°	757.4	751.5	743.2	689.9	613.2	673.2	664.0	633.2	663.2	739.9	714.0
30°	884.0	819.9	792.4	761.5	724.0	713.2	709.0	764.9	786.5	781.5	789.0
32.5°	1025.7	1023.2	996.5	812.4	819.0	766.5	834.0	859.0	825.7	949.0	1028.2
35°	1232.3	1147.3	1095.6	973.2	852.3	886.5	863.2	889.0	1003.2	1014.8	1090.6
37.5°	1548.9	1543.9	1425.6	1074.0	983.2	907.3	924.0	995.7	1070.6	1087.3	1189.8
40°	1810.5	1786.3	1711.4	1338.9	1069.0	981.5	1048.1	1032.3	1111.5	1169.8	1268.1
42.5°	2004.6	2027.1	1984.6	1549.7	1241.4	1099.0	1119.0	1098.1	1171.5	1280.6	1380.6
45°	2190.4	2181.3	2210.4	1763.9	1407.3	1249.8	1248.1	1197.3	1281.4	1403.9	1535.6
47.5°	2342.1	2328.8	2358.7	1996.3	1598.0	1386.4	1398.1	1332.3	1413.1	1558.1	1765.5
50°	2511.2	2485.4	2505.4	2191.3	1847.2	1583.9	1568.1	1517.2	1563.1	1760.5	2046.3
52.5°	2714.5	2696.2	2660.4	2385.4	2103.8	1787.2	1767.2	1718.0	1768.0	2012.1	2357.1
55°	2897.0	2876.2	2847.0	2652.9	2317.1	1993.8	1994.6	1945.5	2043.0	2287.1	2717.9
57.5°	3087.0	3077.0	3092.0	2952.0	2622.0	2209.6	2214.6	2184.6	2359.6	2569.5	3100.3
60°	3244.4	3229.4	3312.7	3257.8	2892.8	2456.2	2436.2	2468.7	2682.9	2864.5	3487.7
62.5°	3304.4	3314.4	3471.9	3539.4	3155.3	2722.0	2729.5	2773.7	2982.0	3217.8	3861.0
65°	3022.8	3057.8	3497.7	3588.5	3447.7	3017.0	3052.8	3045.3	3288.6	3477.7	4175.9
67.5°	2717.0	2757.0	3235.3	3601.0	3674.3	3363.6	3381.9	3307.7	3552.7	3640.2	4410.9
70°	2500.4	2531.2	2924.5	3530.2	3813.5	3725.2	3733.5	3596.0	3744.3	3831.0	4402.6
72.5°	2125.5	2158.0	2521.2	3262.8	3900.1	4163.4	4163.4	3860.1	3899.3	3826.8	3887.6
75°	1436.4	1448.9	1746.4	2532.9	3676.0	4520.9	4564.2	4148.4	3846.0	3476.0	2899.5
76°	1031.5	1069.8	1318.9	2079.6	3338.6	4480.0	4642.5	4206.8	3741.8	3243.6	2386.2
77.5°	546.6	581.6	778.2	1331.4	2707.9	4165.9	4446.7	4027.6	3411.9	2784.5	1764.7
80°	214.1	211.6	267.5	474.1	1371.4	3168.6	3402.7	2968.6	2307.9	1613.0	838.2
82.5°	117.5	129.1	170.0	250.8	594.9	1748.0	1922.2	1566.4	1178.1	744.0	489.9
85°	75.0	76.7	100.0	155.0	367.4	736.5	809.0	670.7	551.6	456.6	348.3
87.5°	45.0	46.7	52.5	71.7	181.6	216.6	236.6	278.3	316.6	314.1	300.8
90°	30.8	30.8	25.8	28.3	85.0	173.3	166.6	177.5	161.6	205.0	289.9
92.5°	30.0	30.0	25.0	25.8	72.5	192.5	193.3	192.5	170.8	209.1	304.9
95°	26.7	27.5	21.7	22.5	53.3	180.0	211.6	205.0	172.5	210.8	304.1
97.5°	22.5	23.3	16.7	19.2	35.8	121.6	157.5	160.8	107.5	106.6	137.5
100°	16.7	17.5	11.7	15.0	21.7	55.8	84.2	79.2	53.3	29.2	19.2
102.5°	15.8	16.7	10.0	11.7	13.3	19.2	30.8	23.3	20.0	16.7	16.7
105°	17.5	17.5	9.2	8.3	8.3	9.2	7.5	10.8	11.7	12.5	17.5
107.5°	15.0	15.8	6.7	6.7	5.8	5.8	5.0	5.0	6.7	10.8	19.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.7	11.7	5.8	5.8	4.2	5.0	5.0	4.2	5.8	8.3	15.0
112.5°	6.7	7.5	3.3	5.0	3.3	4.2	4.2	3.3	5.0	5.8	8.3
115°	6.7	6.7	3.3	2.5	2.5	2.5	3.3	3.3	4.2	5.8	9.2
117.5°	6.7	6.7	3.3	2.5	1.7	2.5	2.5	2.5	4.2	5.8	9.2
120°	6.7	6.7	3.3	1.7	1.7	1.7	1.7	2.5	4.2	5.8	9.2
122.5°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	4.2	5.8	8.3
125°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	7.5
127.5°	7.5	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	6.7
130°	6.7	6.7	3.3	1.7	1.7	1.7	1.7	2.5	3.3	5.0	6.7
132.5°	6.7	5.8	3.3	1.7	1.7	1.7	1.7	2.5	3.3	4.2	5.8
135°	5.8	5.0	3.3	1.7	2.5	1.7	2.5	2.5	3.3	4.2	5.0
137.5°	5.0	5.0	3.3	2.5	2.5	2.5	2.5	2.5	3.3	4.2	4.2
140°	5.8	5.0	3.3	3.3	2.5	2.5	2.5	2.5	3.3	4.2	4.2
142.5°	6.7	5.8	4.2	3.3	3.3	2.5	2.5	3.3	3.3	4.2	4.2
145°	6.7	6.7	5.0	4.2	2.5	2.5	2.5	3.3	4.2	4.2	5.0
147.5°	7.5	6.7	5.0	4.2	2.5	1.7	2.5	2.5	4.2	5.0	5.0
150°	6.7	6.7	4.2	3.3	1.7	0.8	1.7	2.5	4.2	5.0	5.0
152.5°	5.0	5.0	3.3	1.7	0.8	0.8	1.7	2.5	3.3	4.2	5.0
155°	3.3	3.3	1.7	0.8	0.0	0.8	0.8	1.7	2.5	3.3	4.2
157.5°	1.7	1.7	0.8	0.0	0.0	0.8	0.8	1.7	2.5	3.3	3.3
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.7	1.7	2.5	2.5
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	5.0	4.2	4.2	3.3	3.3	2.5	2.5	2.5	2.5	3.3	4.2
5°	5.0	5.0	4.2	4.2	4.2	3.3	3.3	5.0	5.8	6.7	6.7
7.5°	5.0	5.0	5.0	4.2	5.0	6.7	26.7	76.7	84.2	89.2	90.8
10°	9.2	8.3	7.5	6.7	12.5	85.0	105.0	114.1	118.3	122.5	122.5
12.5°	87.5	87.5	35.8	20.0	85.8	114.1	120.0	126.6	132.5	138.3	139.1
15°	190.0	187.5	180.8	165.8	143.3	129.1	135.0	200.0	235.0	250.8	248.3
17.5°	217.5	214.1	210.0	239.1	249.1	199.1	232.5	258.3	265.8	274.1	273.3
20°	403.3	399.1	310.8	278.3	272.5	334.1	265.8	271.6	284.9	363.3	365.8
22.5°	451.6	446.6	415.8	424.1	318.3	362.4	350.8	367.4	409.9	422.4	424.1
25°	529.1	509.1	471.6	443.3	450.8	378.3	436.6	409.1	424.9	439.9	442.4
27.5°	732.4	720.7	654.1	496.6	459.9	473.2	454.9	444.9	531.6	563.2	565.7
30°	789.0	777.4	694.0	574.9	484.9	484.9	458.3	554.9	559.1	575.7	579.9
32.5°	1072.3	1049.0	882.3	584.1	503.2	463.3	519.1	546.6	613.2	663.2	671.5
35°	1138.1	1118.1	910.7	667.4	486.6	482.4	489.9	575.7	624.9	654.9	661.5
37.5°	1206.5	1184.0	907.3	635.7	515.7	459.9	476.6	538.2	609.1	686.5	696.5
40°	1299.8	1272.3	911.5	594.9	483.2	434.9	447.4	516.6	564.9	613.2	621.6
42.5°	1424.7	1369.8	919.0	558.2	445.8	424.1	426.6	466.6	489.1	509.1	509.1
45°	1593.1	1503.9	921.5	519.9	408.3	399.1	402.4	420.8	429.1	416.6	410.8
47.5°	1818.8	1669.7	952.3	485.7	376.6	371.6	374.1	379.9	375.8	343.3	337.4
50°	2082.1	1864.7	969.0	455.8	353.3	352.4	348.3	348.3	333.3	296.6	294.1
52.5°	2372.9	2097.1	983.2	419.1	336.6	340.8	340.8	323.3	300.8	271.6	269.1
55°	2742.0	2365.4	1004.0	387.4	322.4	321.6	330.8	309.1	285.8	260.8	260.8
57.5°	3108.6	2649.5	1029.0	359.9	306.6	308.3	321.6	304.1	291.6	281.6	280.8
60°	3475.2	2942.8	989.0	334.9	300.8	297.4	319.1	323.3	308.3	314.1	319.9
62.5°	3819.3	3130.3	828.2	313.3	289.9	294.9	340.8	366.6	361.6	355.8	357.4
65°	3981.8	3168.6	671.5	294.1	282.4	312.4	375.8	414.9	398.3	379.1	377.4
67.5°	4009.3	3069.5	494.1	282.4	278.3	343.3	403.3	425.8	400.8	393.3	386.6
70°	3816.0	2817.8	394.9	270.0	281.6	348.3	420.8	423.3	404.9	413.3	404.9
72.5°	3245.3	2347.1	345.8	258.3	282.4	335.8	420.8	424.1	403.3	427.4	423.3
75°	2323.8	1645.5	307.4	248.3	273.3	321.6	414.9	423.3	398.3	424.9	418.3
76°	1893.0	1305.6	296.6	250.8	269.1	316.6	413.3	420.8	399.1	423.3	416.6
77.5°	1250.6	853.2	278.3	249.1	261.6	314.1	409.1	417.4	398.3	418.3	411.6
80°	669.0	483.2	250.8	232.5	252.5	315.8	405.8	409.1	382.4	404.9	396.6
82.5°	440.8	359.9	216.6	210.8	243.3	318.3	404.1	399.1	369.1	404.9	382.4
85°	345.8	297.4	162.5	169.1	221.6	307.4	399.1	384.9	357.4	367.4	354.1
87.5°	293.3	245.0	97.5	120.8	194.1	261.6	354.1	318.3	302.4	312.4	306.6
90°	275.8	216.6	55.0	85.0	145.8	174.1	223.3	207.5	200.8	212.5	210.0
92.5°	278.3	211.6	54.2	80.8	155.8	187.5	230.8	212.5	192.5	192.5	190.0
95°	265.8	197.5	53.3	64.2	140.8	182.5	216.6	190.8	155.0	147.5	145.0
97.5°	115.8	95.8	50.0	49.2	80.8	125.8	157.5	136.6	102.5	80.0	80.0
100°	19.2	30.8	43.3	47.5	47.5	66.7	89.2	84.2	49.2	25.8	26.7
102.5°	20.0	17.5	30.0	39.2	30.8	27.5	40.8	50.8	32.5	10.0	10.8
105°	20.8	18.3	15.0	27.5	17.5	9.2	12.5	23.3	15.0	10.0	10.0
107.5°	22.5	19.2	9.2	10.0	7.5	7.5	6.7	5.8	7.5	10.0	10.8



REPORT NUMBER: P416312

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	15.8	8.3	7.5	6.7	7.5	5.0	5.0	5.8	10.0	10.8
112.5°	10.0	10.0	7.5	5.8	5.8	6.7	4.2	4.2	5.8	10.8	10.8
115°	10.0	10.0	6.7	5.0	4.2	5.0	4.2	3.3	5.8	10.8	11.7
117.5°	10.0	10.0	6.7	5.0	4.2	3.3	3.3	3.3	5.8	10.8	11.7
120°	10.0	9.2	5.8	4.2	4.2	2.5	2.5	2.5	5.0	10.8	11.7
122.5°	9.2	9.2	5.8	4.2	3.3	2.5	2.5	2.5	5.0	10.0	10.8
125°	8.3	8.3	5.8	4.2	3.3	2.5	1.7	2.5	5.0	9.2	10.0
127.5°	7.5	7.5	5.0	4.2	3.3	2.5	1.7	2.5	5.0	9.2	10.0
130°	6.7	6.7	5.0	3.3	3.3	1.7	1.7	1.7	5.0	8.3	9.2
132.5°	5.8	5.8	4.2	3.3	2.5	1.7	0.8	1.7	4.2	7.5	7.5
135°	5.0	5.0	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.8	6.7
137.5°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	5.0	5.0
140°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	4.2	5.0
142.5°	4.2	4.2	3.3	3.3	2.5	1.7	0.8	1.7	2.5	4.2	5.0
145°	5.0	4.2	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.0	5.0
147.5°	5.0	5.0	4.2	3.3	2.5	1.7	0.8	1.7	3.3	5.0	5.0
150°	5.0	5.0	4.2	3.3	2.5	0.8	0.0	0.8	2.5	4.2	5.0
152.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.0	1.7	3.3	3.3
155°	4.2	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	1.7	1.7
157.5°	3.3	3.3	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.5	2.5	1.7	1.7	0.8	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)