

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: P416317

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416317  
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-PA1-70-730-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 7174 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

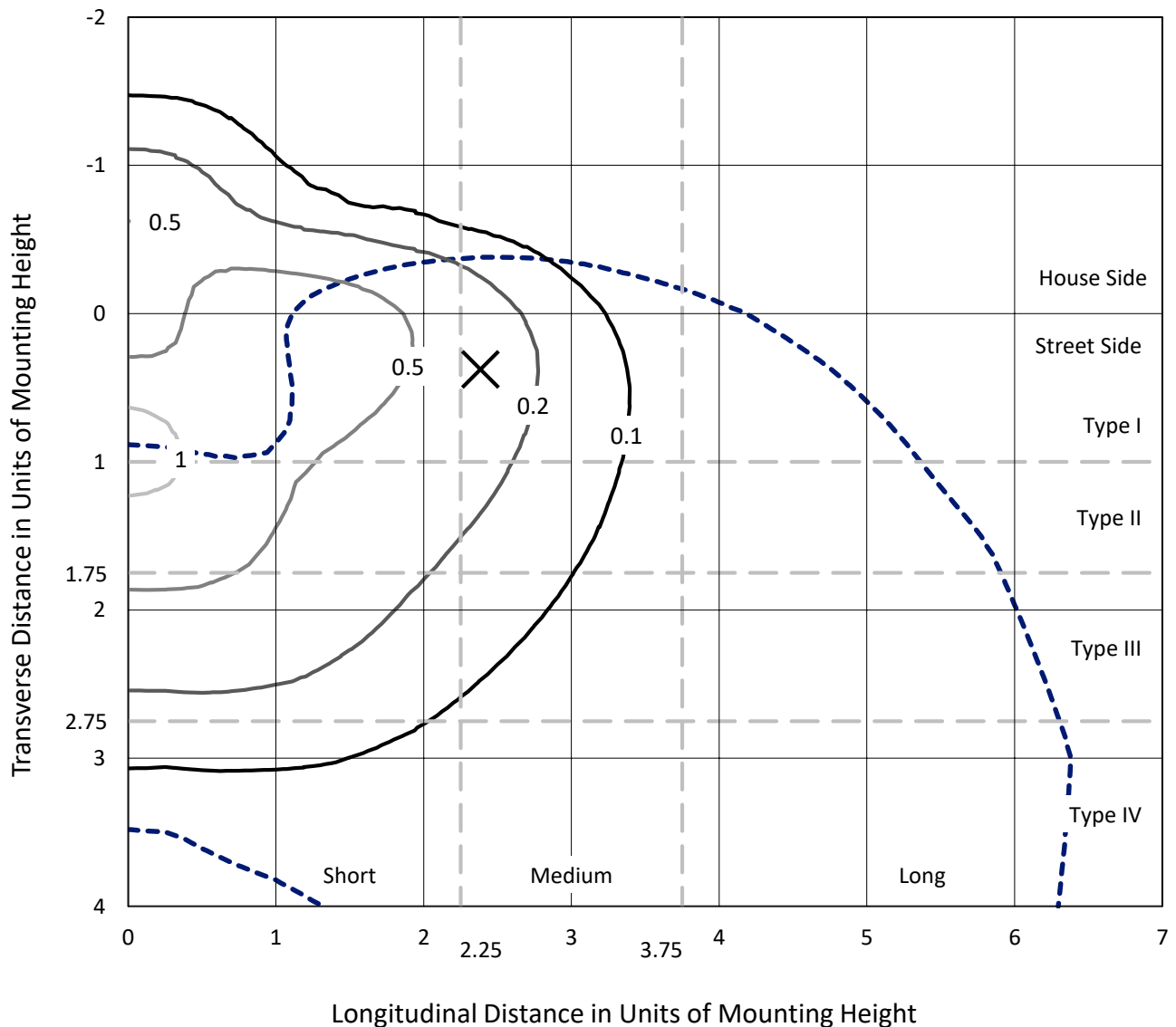


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

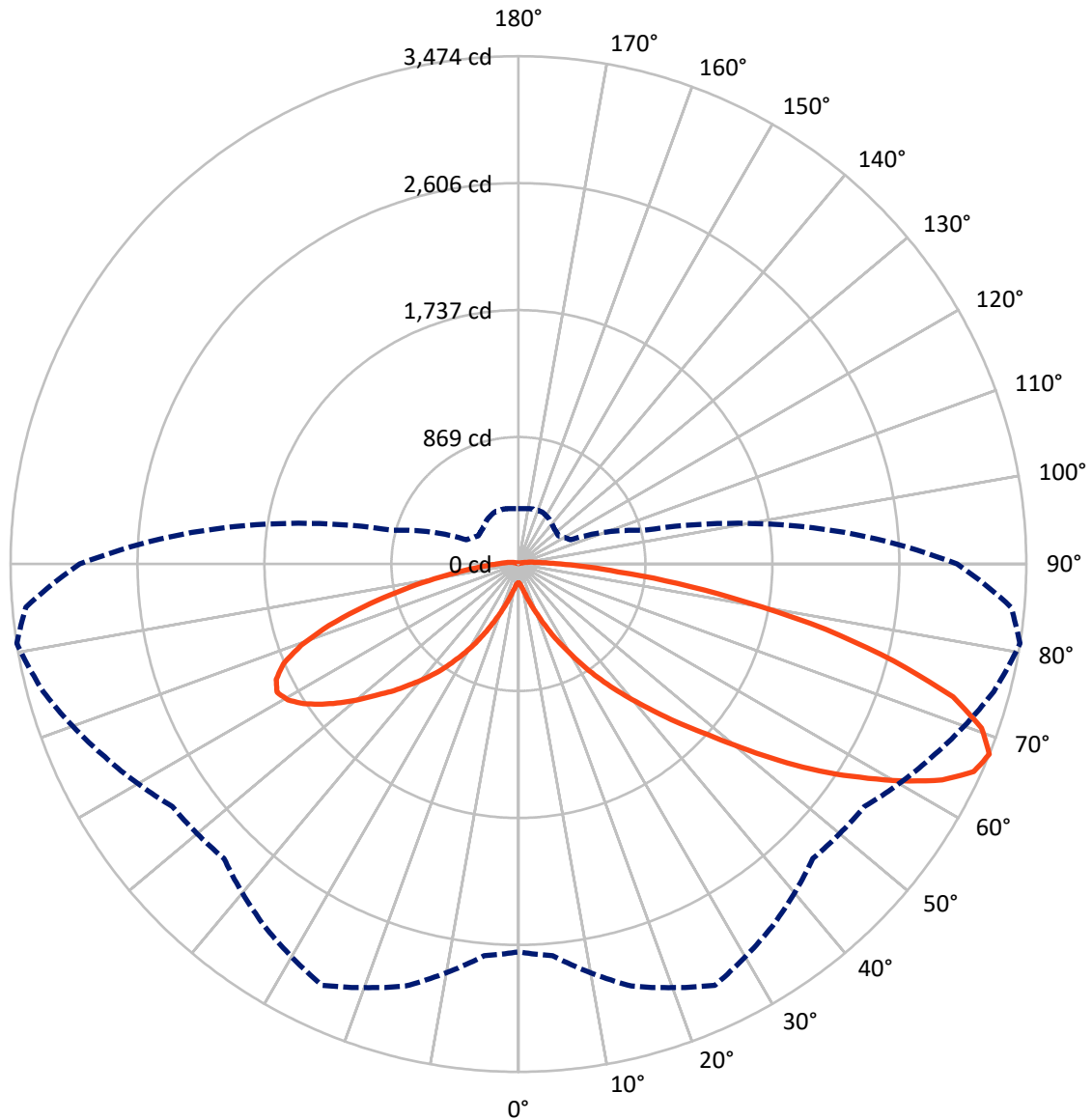


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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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	1570.4	111.7	1682.1
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	5351.5	140.4	5491.9
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	6921.9	252.1	7174.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.8	0.2
10°-20°	74.1	1.0
20°-30°	220.9	3.1
30°-40°	479.6	6.7
40°-50°	840.9	11.7
50°-60°	1332.7	18.6
60°-70°	1798.4	25.1
70°-80°	1543.1	21.5
80°-90°	617.4	8.6
90°-100°	150.2	2.1
100°-110°	52.8	0.7
110°-120°	24.2	0.3
120°-130°	13.0	0.2
130°-140°	7.3	0.1
140°-150°	3.4	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6921.9	96.5
0°-180°	7174.0	100.0



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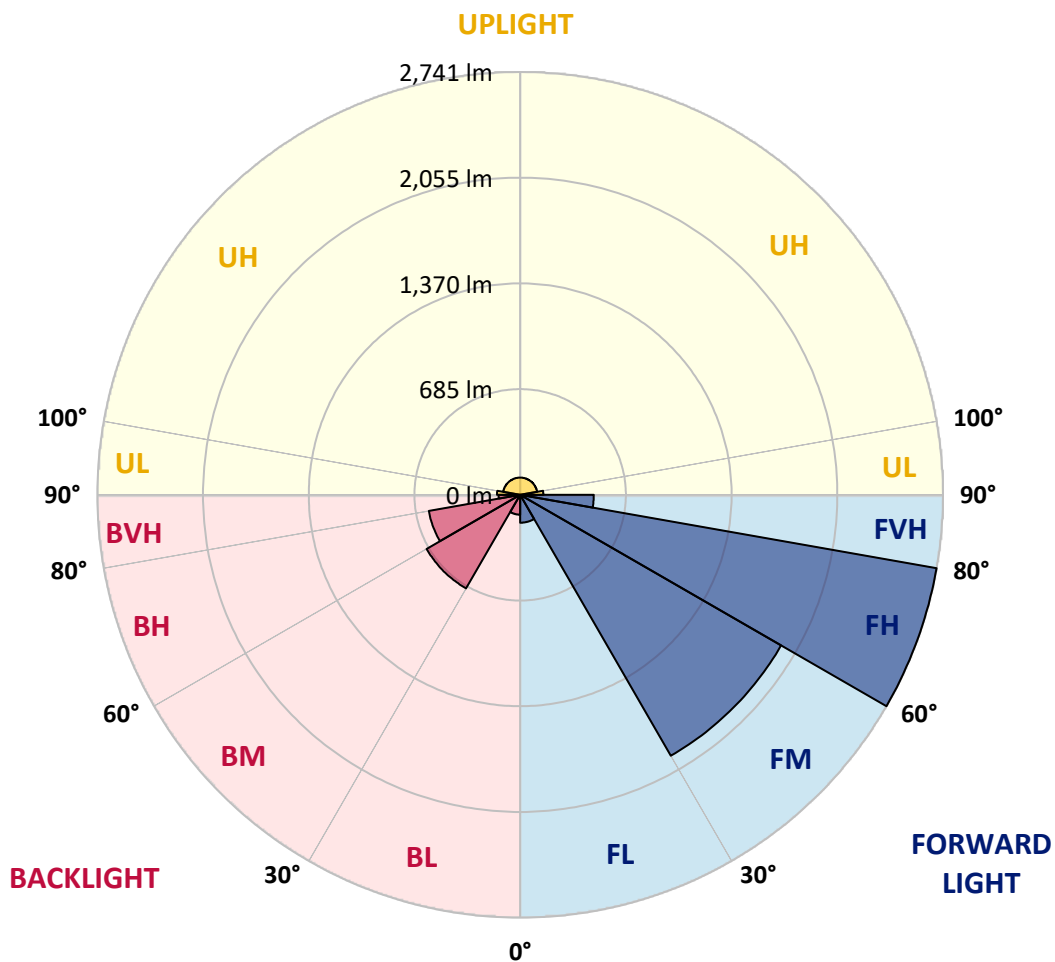
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.0	2.5			
FM	(30°-60°)	1952.7	27.2			
FH	(60°-80°)	2740.6	38.2			G2/5000
FVH	(80°-90°)	477.2	6.7			G3/500
BL	(0°-30°)	128.8	1.8	B1/500		
BM	(30°-60°)	700.5	9.8	B1/1000		
BH	(60°-80°)	600.8	8.4	B2/1000		G2/1000
BVH	(80°-90°)	140.2	2.0			G2/225
UL	(90°-100°)	150.2	2.1		U3/500	
UH	(100°-180°)	111.7	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°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	140.8	140.0	140.0	140.8	140.8	140.8	138.3	135.8	133.3	132.5	131.6
5°	160.0	158.3	158.3	158.3	157.5	155.0	151.6	148.3	145.0	143.3	141.6
7.5°	185.0	184.1	183.3	180.8	180.0	175.8	170.8	165.8	160.8	159.1	157.5
10°	219.1	218.3	214.1	213.3	209.1	205.0	197.5	190.0	183.3	180.8	178.3
12.5°	262.5	262.5	256.6	250.0	245.0	236.6	230.0	220.8	215.8	212.5	209.1
15°	319.1	315.8	308.3	300.8	287.5	277.5	267.5	262.5	259.1	255.0	250.0
17.5°	381.6	377.4	370.8	355.8	338.3	324.1	314.9	309.9	308.3	305.8	299.9
20°	456.6	451.6	442.4	419.1	399.9	380.8	369.9	367.4	369.1	364.9	359.1
22.5°	545.7	542.4	523.2	494.1	467.4	440.8	430.8	432.4	435.8	441.6	438.3
25°	647.4	639.1	620.7	579.1	534.9	509.1	499.1	506.6	521.6	529.9	523.2
27.5°	765.7	760.7	724.0	669.9	612.4	577.4	569.9	591.6	617.4	624.1	624.1
30°	890.7	894.0	840.7	776.5	704.0	655.7	646.6	677.4	721.5	725.7	736.5
32.5°	1049.0	1043.2	987.3	882.4	796.5	734.0	728.2	771.5	827.4	849.0	849.0
35°	1214.8	1209.0	1140.6	1016.5	897.3	816.5	820.7	866.5	942.3	969.8	974.0
37.5°	1405.6	1386.4	1312.3	1158.1	1007.3	912.3	904.8	974.0	1063.2	1102.3	1102.3
40°	1615.6	1604.7	1501.4	1318.9	1119.8	1011.5	1005.7	1085.6	1194.0	1237.3	1245.6
42.5°	1819.7	1805.5	1709.7	1474.8	1249.8	1116.5	1117.3	1204.8	1328.9	1388.9	1399.8
45°	2035.5	2022.2	1917.2	1666.4	1390.6	1246.5	1236.5	1345.6	1493.9	1560.6	1573.1
47.5°	2227.1	2218.0	2127.1	1857.2	1565.6	1385.6	1372.3	1498.1	1669.7	1743.9	1781.4
50°	2435.4	2423.8	2338.8	2060.5	1739.7	1533.9	1533.1	1668.1	1883.0	1973.0	2003.8
52.5°	2604.6	2591.2	2532.1	2264.6	1912.2	1707.2	1693.0	1858.9	2103.8	2233.0	2248.0
55°	2760.4	2755.4	2735.4	2483.7	2122.1	1877.2	1886.3	2083.0	2355.4	2501.2	2523.7
57.5°	2872.8	2879.5	2888.7	2703.7	2327.9	2067.2	2083.8	2307.9	2617.1	2752.9	2783.7
60°	2949.5	2972.8	3033.7	2895.3	2537.9	2274.6	2302.9	2530.4	2868.7	3013.7	3038.7
62.5°	2955.3	2980.3	3122.0	3074.5	2739.5	2487.1	2519.6	2759.5	3093.6	3254.5	3256.9
65°	2844.5	2878.7	3105.3	3171.1	2917.0	2690.4	2719.5	2963.7	3281.9	3424.4	3372.8
67.5°	2653.7	2689.5	2989.5	3179.5	3027.0	2848.7	2890.3	3122.0	3366.9	3474.4	3382.8
70°	2377.1	2412.1	2727.9	3053.7	3047.0	2942.0	2997.0	3187.0	3351.1	3361.9	3232.8
72.5°	2013.8	2010.5	2351.3	2778.7	2936.2	2934.5	3022.0	3137.8	3170.3	3109.5	2917.8
75°	1542.2	1585.6	1896.3	2381.3	2683.7	2802.0	2890.3	2934.5	2841.2	2652.9	2445.4
77.5°	1104.8	1140.6	1423.1	1877.2	2308.8	2527.1	2624.6	2603.7	2372.1	2151.3	1913.0
80°	731.5	752.4	988.2	1401.4	1861.4	2114.6	2232.1	2152.1	1858.0	1575.6	1369.8
82.5°	439.1	473.3	621.6	984.8	1380.6	1671.4	1743.0	1609.7	1326.4	1096.5	945.7
85°	265.8	273.3	386.6	629.9	964.0	1202.3	1270.6	1127.3	872.4	684.9	568.2
87.5°	149.1	162.5	239.1	409.9	648.2	834.9	859.0	742.4	547.4	424.9	355.8
90°	87.5	96.7	146.6	254.1	413.3	539.9	546.6	449.1	324.1	255.8	227.5
92.5°	55.8	62.5	97.5	163.3	265.8	350.8	341.6	277.5	207.5	170.8	147.5
95°	40.0	43.3	68.3	112.5	178.3	220.8	217.5	174.1	139.1	119.1	108.3
97.5°	30.0	33.3	53.3	82.5	120.0	148.3	145.0	115.8	96.7	87.5	83.3
100°	25.0	26.7	43.3	65.0	89.2	106.6	105.0	85.8	72.5	65.8	64.2
102.5°	21.7	23.3	35.8	52.5	70.8	82.5	79.2	66.7	55.0	49.2	47.5
105°	19.2	20.0	30.8	45.0	58.3	65.0	64.2	53.3	42.5	36.7	35.8
107.5°	17.5	18.3	26.7	38.3	49.2	55.0	53.3	43.3	32.5	28.3	27.5
110°	15.8	16.7	23.3	33.3	41.7	46.7	44.2	35.8	25.8	21.7	21.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	15.0	15.0	20.8	28.3	35.8	40.0	37.5	29.2	20.0	17.5	18.3
115°	14.2	14.2	18.3	25.0	31.7	35.0	31.7	24.2	16.7	15.0	15.0
117.5°	13.3	13.3	16.7	22.5	28.3	30.8	27.5	20.8	14.2	12.5	13.3
120°	12.5	13.3	15.8	20.0	25.0	26.7	24.2	17.5	11.7	11.7	12.5
122.5°	12.5	12.5	15.0	18.3	22.5	23.3	20.8	15.0	10.8	10.8	10.8
125°	12.5	12.5	14.2	16.7	20.0	20.8	17.5	12.5	10.0	10.0	10.0
127.5°	12.5	12.5	13.3	15.8	17.5	18.3	15.8	11.7	9.2	9.2	10.0
130°	11.7	12.5	12.5	14.2	15.8	15.8	13.3	10.0	8.3	8.3	9.2
132.5°	11.7	11.7	12.5	13.3	14.2	14.2	11.7	9.2	7.5	8.3	8.3
135°	11.7	11.7	11.7	12.5	13.3	12.5	10.0	7.5	6.7	7.5	7.5
137.5°	10.8	10.8	10.8	11.7	11.7	10.8	9.2	6.7	6.7	6.7	6.7
140°	10.0	10.0	10.0	10.0	10.8	10.0	7.5	5.8	5.8	5.8	5.8
142.5°	9.2	9.2	9.2	9.2	9.2	8.3	6.7	5.0	5.0	5.0	5.0
145°	8.3	8.3	8.3	8.3	7.5	6.7	5.0	4.2	4.2	5.0	5.0
147.5°	6.7	6.7	6.7	6.7	6.7	5.8	4.2	3.3	4.2	4.2	4.2
150°	5.8	5.8	5.8	5.8	5.0	5.0	3.3	3.3	3.3	4.2	4.2
152.5°	4.2	4.2	4.2	5.0	4.2	3.3	2.5	2.5	3.3	3.3	3.3
155°	3.3	3.3	3.3	3.3	3.3	2.5	1.7	2.5	3.3	3.3	3.3
157.5°	1.7	2.5	2.5	2.5	2.5	2.5	1.7	2.5	2.5	2.5	2.5
160°	0.8	0.8	1.7	1.7	2.5	2.5	1.7	1.7	2.5	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°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	131.6	130.8	130.0	129.1	128.3	128.3	127.5	126.6	125.8	125.0	125.0
5°	140.8	139.1	136.6	135.0	133.3	133.3	131.6	130.8	129.1	128.3	128.3
7.5°	155.0	154.1	149.1	146.6	144.1	143.3	141.6	140.0	138.3	138.3	138.3
10°	175.8	173.3	169.1	162.5	160.0	158.3	155.8	154.1	154.1	155.0	155.0
12.5°	207.5	200.8	195.0	185.8	180.8	177.5	175.8	176.6	180.8	182.5	180.8
15°	244.1	242.5	228.3	215.0	205.0	198.3	202.5	207.5	213.3	215.0	217.5
17.5°	295.0	289.1	270.0	250.8	232.5	229.1	234.1	242.5	249.1	254.1	258.3
20°	355.8	345.8	322.4	289.1	268.3	263.3	266.6	278.3	290.8	300.8	301.6
22.5°	432.4	417.4	375.8	334.1	303.3	295.0	299.1	317.4	335.8	348.3	347.4
25°	515.7	497.4	441.6	381.6	339.1	324.1	331.6	355.8	381.6	396.6	398.3
27.5°	609.1	590.7	513.2	427.4	371.6	349.1	361.6	389.1	424.1	442.4	445.8
30°	719.0	694.0	584.9	476.6	401.6	372.4	384.1	419.9	458.3	484.1	487.4
32.5°	833.2	794.0	656.6	516.6	422.4	387.4	400.8	442.4	486.6	514.9	519.9
35°	951.5	903.2	729.0	550.7	437.4	396.6	409.9	456.6	503.2	534.1	538.2
37.5°	1084.8	1020.7	794.9	576.6	445.8	399.1	412.4	459.1	506.6	536.6	540.7
40°	1219.0	1133.1	849.9	592.4	446.6	396.6	407.4	452.4	497.4	523.2	527.4
42.5°	1363.1	1251.5	904.8	596.6	442.4	389.9	399.1	439.1	477.4	497.4	499.9
45°	1524.7	1388.1	951.5	593.2	430.8	379.9	386.6	420.8	450.8	459.9	464.1
47.5°	1695.5	1523.1	987.3	583.2	419.1	369.1	373.3	401.6	420.8	421.6	422.4
50°	1903.8	1687.2	1031.5	569.1	403.3	359.1	361.6	384.1	393.3	389.1	387.4
52.5°	2132.1	1863.0	1059.8	546.6	389.1	349.9	352.4	369.9	373.3	364.1	364.9
55°	2380.4	2027.2	1084.0	524.9	374.1	344.1	349.1	363.3	363.3	351.6	350.8
57.5°	2612.1	2194.6	1094.8	497.4	361.6	339.9	348.3	362.4	360.8	349.9	349.1
60°	2836.2	2331.3	1081.5	470.8	353.3	338.3	353.3	368.3	366.6	357.4	356.6
62.5°	2991.2	2417.1	1048.2	444.1	345.8	340.8	359.1	376.6	376.6	366.6	366.6
65°	3057.8	2407.1	979.8	417.4	339.9	342.4	367.4	385.8	384.1	375.8	374.1
67.5°	3002.0	2316.3	888.2	391.6	334.9	344.1	371.6	390.8	389.1	379.9	378.3
70°	2822.9	2125.5	777.4	368.3	328.3	341.6	373.3	389.9	387.4	379.1	375.8
72.5°	2466.3	1828.9	661.6	345.8	318.3	335.8	368.3	383.3	380.8	374.1	369.9
75°	2031.3	1474.8	546.6	320.8	305.8	324.9	357.4	370.8	367.4	361.6	357.4
77.5°	1553.1	1114.0	451.6	297.4	290.8	310.8	342.4	352.4	349.1	344.1	341.6
80°	1099.0	793.2	363.3	271.6	269.1	289.1	315.8	326.6	324.9	319.9	315.8
82.5°	723.2	527.4	290.0	242.5	244.1	265.0	285.0	290.8	290.0	285.8	280.8
85°	445.8	347.4	228.3	209.1	216.6	233.3	250.0	250.8	248.3	247.5	240.0
87.5°	284.1	237.5	179.1	177.5	188.3	202.5	210.0	206.6	208.3	208.3	202.5
90°	185.0	166.6	143.3	148.3	160.0	170.8	174.1	165.0	170.0	167.5	165.0
92.5°	134.1	124.1	116.6	123.3	135.0	145.0	143.3	133.3	135.8	135.8	135.0
95°	101.6	96.7	97.5	104.1	113.3	120.0	116.6	108.3	109.1	107.5	105.0
97.5°	80.0	79.2	82.5	87.5	95.8	100.0	96.7	89.2	88.3	85.8	85.0
100°	63.3	64.2	69.2	75.0	80.0	83.3	80.8	73.3	70.0	65.8	65.0
102.5°	49.2	50.8	57.5	62.5	67.5	70.0	67.5	61.7	55.8	51.7	50.8
105°	38.3	40.0	47.5	52.5	56.7	58.3	56.7	50.0	44.2	39.2	39.2
107.5°	30.0	31.7	39.2	45.0	47.5	49.2	46.7	41.7	35.0	30.8	30.8
110°	24.2	25.8	32.5	37.5	40.0	41.7	39.2	33.3	28.3	25.0	25.0



REPORT NUMBER: P416317

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.2	21.7	26.7	31.7	34.2	35.0	32.5	28.3	22.5	20.8	20.8
115°	16.7	18.3	22.5	26.7	29.2	29.2	27.5	23.3	18.3	17.5	17.5
117.5°	14.2	15.8	19.2	23.3	25.0	25.0	23.3	19.2	15.8	15.0	15.0
120°	13.3	14.2	16.7	20.0	21.7	21.7	20.0	16.7	13.3	13.3	13.3
122.5°	11.7	12.5	15.0	17.5	19.2	19.2	17.5	14.2	11.7	12.5	12.5
125°	10.8	11.7	13.3	15.0	16.7	16.7	15.0	12.5	10.8	10.8	10.8
127.5°	10.0	10.8	11.7	13.3	14.2	14.2	13.3	10.8	10.0	10.0	10.0
130°	9.2	10.0	10.8	11.7	12.5	12.5	10.8	9.2	9.2	9.2	9.2
132.5°	9.2	9.2	9.2	10.0	10.8	10.8	10.0	8.3	8.3	8.3	8.3
135°	8.3	8.3	8.3	8.3	9.2	9.2	8.3	7.5	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	8.3	8.3	7.5	6.7	6.7	6.7	6.7
140°	6.7	6.7	6.7	5.8	6.7	6.7	5.8	5.8	5.8	5.8	5.8
142.5°	5.0	5.8	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.2	4.2	4.2	4.2	3.3	4.2	4.2	4.2
147.5°	4.2	4.2	4.2	3.3	2.5	3.3	2.5	3.3	3.3	3.3	3.3
150°	4.2	4.2	3.3	3.3	2.5	1.7	1.7	2.5	2.5	2.5	2.5
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
155°	3.3	3.3	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	2.5	2.5	2.5	1.7	1.7	0.8	0.0	0.8	0.0	0.0	0.0
160°	2.5	2.5	2.5	1.7	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)