

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: P416129

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416129  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-830-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5739 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

Input Watts (W): 64  
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

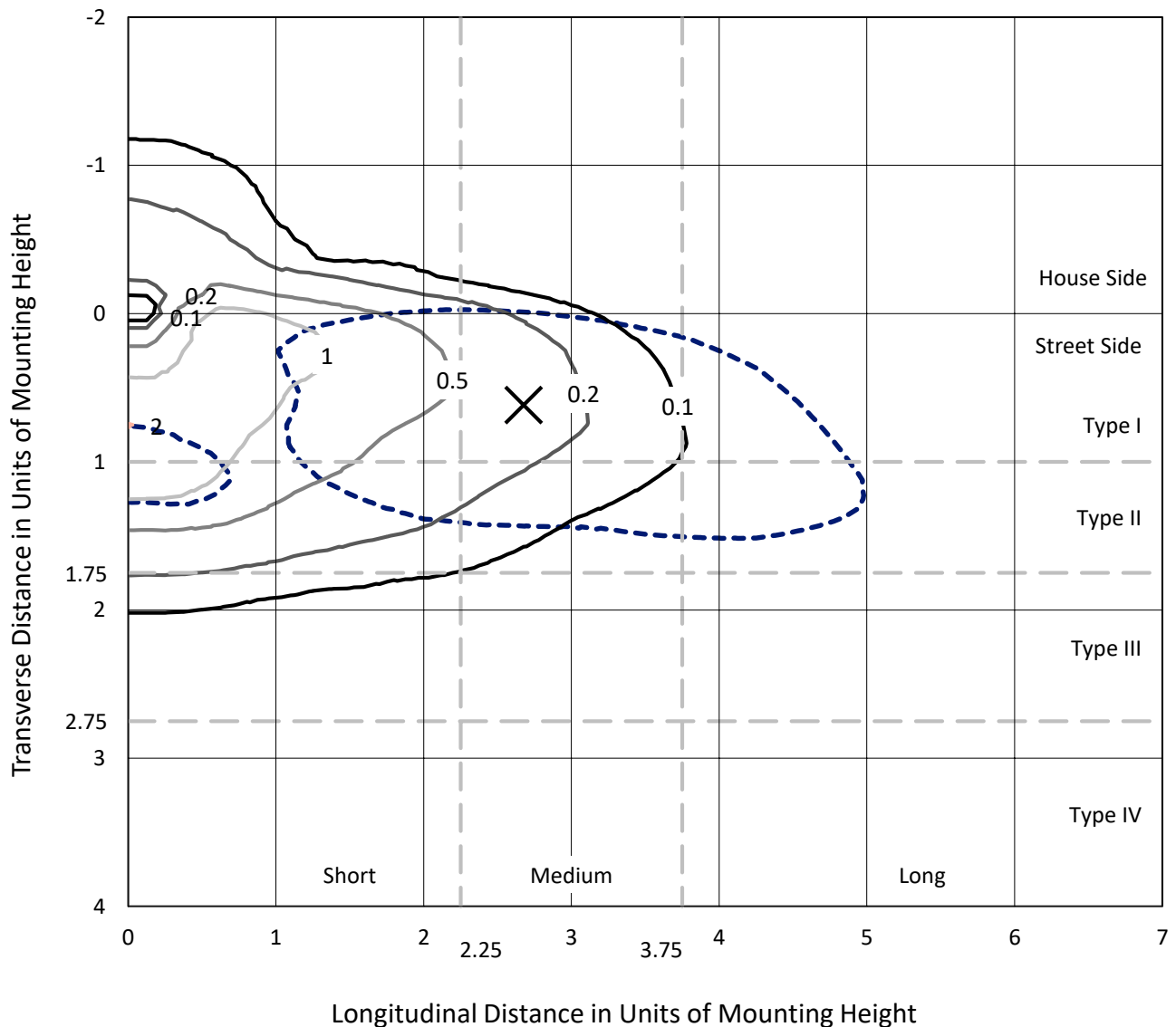


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

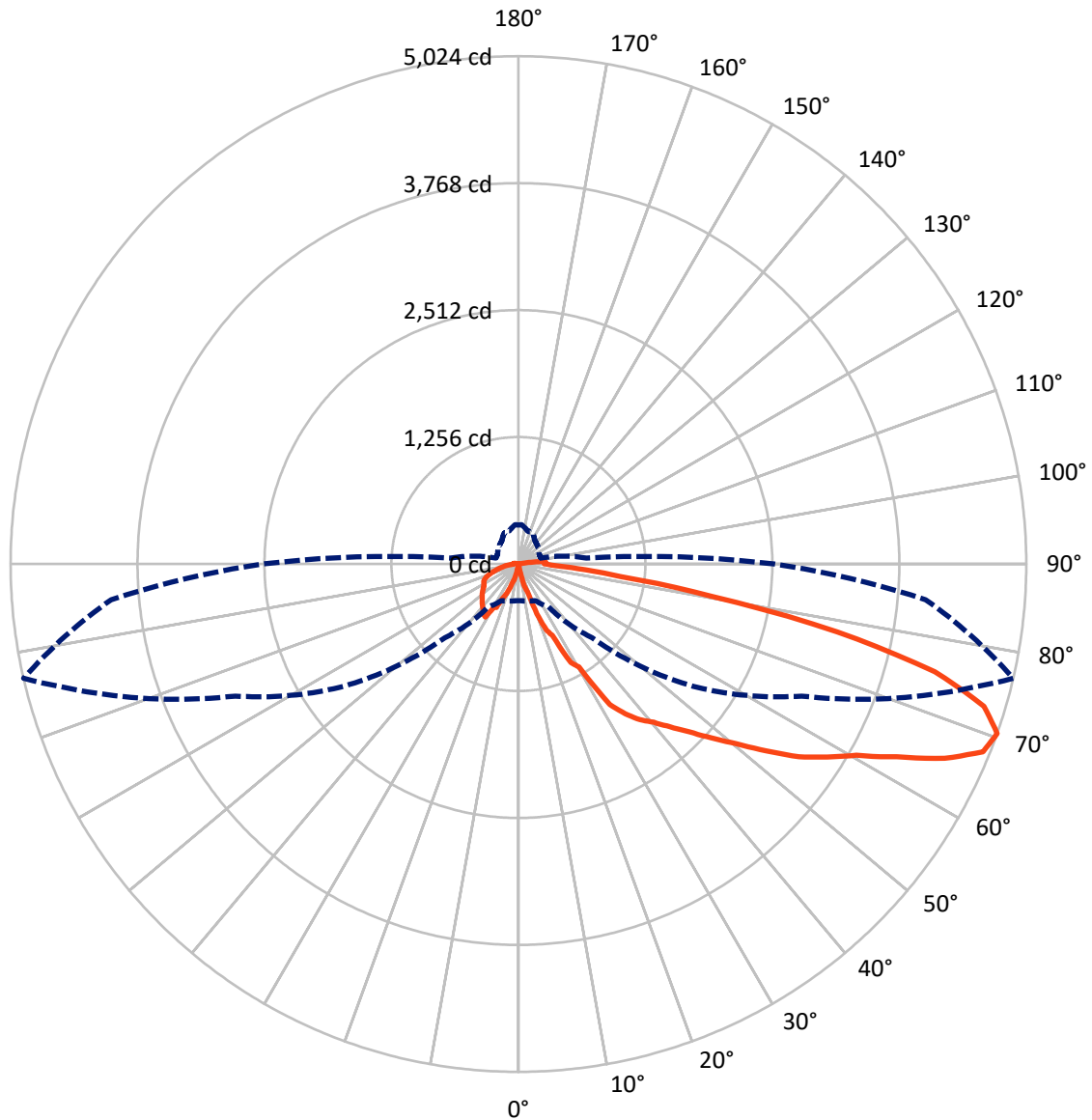


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	970.7	42.6	1013.2
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	4672.7	53.0	4725.7
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	5643.4	95.5	5739.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	68.3	1.2
20°-30°	270.5	4.7
30°-40°	653.2	11.4
40°-50°	1056.4	18.4
50°-60°	1263.6	22.0
60°-70°	1235.6	21.5
70°-80°	854.2	14.9
80°-90°	237.1	4.1
90°-100°	62.4	1.1
100°-110°	12.8	0.2
110°-120°	6.8	0.1
120°-130°	5.4	0.1
130°-140°	3.7	0.1
140°-150°	3.1	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5643.4	98.3
0°-180°	5739.0	100.0

**Coefficient of Utilization**



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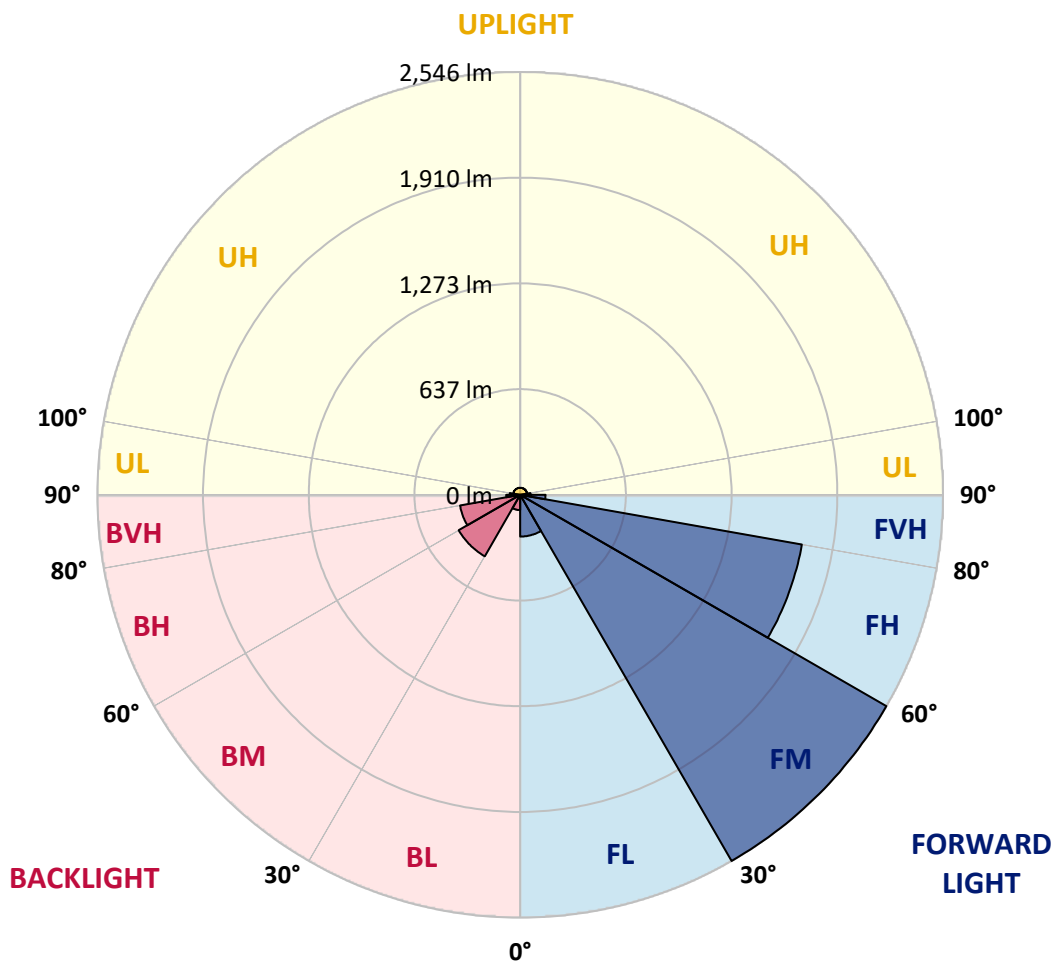
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	4.4			
FM (30°-60°)	2546.2	44.4			
FH (60°-80°)	1722.3	30.0			G1/1800
FVH (80°-90°)	152.7	2.7			G2/225
BL (0°-30°)	91.9	1.6	B0/110		
BM (30°-60°)	427.0	7.4	B1/1000		
BH (60°-80°)	367.5	6.4	B1/500		G1/500
BVH (80°-90°)	84.3	1.5			G1/100
UL (90°-100°)	62.4	1.1		U3/500	
UH (100°-180°)	42.6	0.7		U2/50	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.1	6.5	6.5	7.1	8.4	7.8	5.8	4.5	3.9	3.9	3.9
5°	140.7	136.1	132.9	94.0	20.7	12.3	7.8	5.8	4.5	4.5	3.9
7.5°	167.9	165.3	164.0	159.4	154.3	143.9	25.9	8.4	5.2	5.2	4.5
10°	189.9	188.0	185.4	182.8	175.7	168.5	154.3	21.4	8.4	8.4	7.1
12.5°	387.0	381.1	375.9	267.0	198.3	190.6	176.9	121.2	92.0	88.8	106.9
15°	397.3	397.3	397.3	400.6	394.7	212.6	289.7	363.0	239.8	232.0	239.8
17.5°	423.3	419.4	412.9	414.8	422.6	469.3	432.3	403.8	319.5	283.9	276.1
20°	633.3	630.0	632.0	585.9	450.5	591.1	587.2	455.0	519.2	526.3	512.7
22.5°	676.0	675.4	673.4	670.9	770.0	627.4	675.4	715.6	725.3	711.0	589.8
25°	959.3	952.2	866.0	729.8	825.1	755.1	901.0	793.4	807.6	782.3	747.3
27.5°	1096.1	1081.1	1066.2	1025.4	886.0	1009.2	958.6	1046.1	1172.5	1105.1	950.9
30°	1446.1	1454.5	1213.4	1199.8	1096.1	1070.1	1173.8	1229.6	1230.9	1181.6	1067.5
32.5°	1780.5	1757.8	1701.4	1459.0	1305.4	1198.5	1361.2	1309.3	1610.7	1657.4	1447.4
35°	2108.5	2064.4	1899.1	1734.5	1523.2	1477.2	1458.4	1639.2	1753.3	1820.1	1566.0
37.5°	2575.8	2544.1	2385.9	1955.5	1755.9	1590.0	1709.9	1744.9	1926.4	1954.9	1728.0
40°	2747.6	2726.2	2594.6	2256.9	1938.0	1774.7	1822.6	1871.9	2098.1	2058.6	1849.9
42.5°	2870.7	2863.0	2758.0	2414.4	2175.2	1958.1	1952.9	1978.2	2274.4	2201.8	1971.7
45°	2965.4	2954.3	2892.1	2515.5	2287.4	2071.5	2093.6	2109.1	2429.3	2365.8	2111.1
47.5°	2947.2	2951.8	2960.2	2641.3	2354.1	2182.4	2237.5	2221.9	2555.7	2570.6	2267.3
50°	2807.9	2816.9	2879.2	2691.8	2392.4	2273.1	2361.9	2347.7	2732.0	2794.2	2447.5
52.5°	2393.7	2408.6	2639.3	2613.4	2426.1	2344.4	2489.6	2492.9	2938.1	3070.4	2677.6
55°	1752.6	1809.0	2089.7	2353.5	2389.1	2367.1	2575.2	2676.9	3175.4	3365.9	2883.0
57.5°	1409.8	1398.1	1591.9	1976.3	2206.4	2339.2	2665.3	2840.9	3391.9	3603.2	3088.5
60°	1094.1	1098.0	1241.2	1516.7	1886.2	2270.5	2757.3	2988.7	3658.3	3841.7	3340.0
62.5°	814.7	822.5	926.2	1090.9	1520.6	2078.7	2785.8	3173.4	4028.4	4202.1	3644.0
65°	591.8	604.7	661.1	762.2	1098.6	1790.9	2699.0	3311.5	4438.6	4636.3	3968.7
67.5°	444.6	451.8	484.8	546.4	784.9	1421.4	2484.4	3303.1	4644.8	4955.9	4108.1
70°	361.7	364.9	377.2	399.3	515.3	1030.6	2107.8	3090.5	4688.8	5023.9	4043.3
72.5°	307.2	305.9	306.6	309.8	355.8	704.6	1628.2	2692.5	4520.3	4817.2	3750.9
75°	262.5	260.6	260.6	257.3	274.8	494.6	1121.3	2173.3	4072.4	4256.5	3159.8
77.5°	223.6	220.4	219.7	213.2	221.0	368.2	742.8	1618.5	3222.0	3225.3	2240.1
80°	190.6	184.7	182.1	177.6	186.7	280.7	484.8	1055.9	1971.1	1939.3	1243.2
82.5°	140.7	140.7	144.5	145.8	160.7	208.1	342.2	628.1	1076.0	1018.3	720.8
85°	81.0	88.2	104.4	106.3	123.2	138.1	257.3	372.0	602.1	580.8	369.5
87.5°	29.8	28.5	43.4	46.0	51.9	51.9	140.0	204.2	315.7	328.6	291.0
90°	24.6	24.6	16.9	15.6	20.1	33.7	94.6	143.2	237.2	254.7	274.8
92.5°	25.9	25.9	16.9	14.9	18.8	29.8	79.7	135.5	248.9	272.9	283.9
95°	24.6	25.3	14.9	13.6	17.5	25.3	59.6	116.0	239.2	261.9	277.4
97.5°	21.4	22.0	12.3	11.7	15.6	18.1	32.4	57.7	119.3	123.8	128.3
100°	17.5	17.5	9.1	9.7	12.3	12.3	16.9	30.5	29.2	24.0	20.7
102.5°	14.9	16.2	8.4	7.8	9.1	7.8	7.8	11.7	17.5	14.9	20.1
105°	12.3	13.6	7.1	6.5	7.1	6.5	5.2	8.4	13.0	14.9	21.4
107.5°	8.4	9.1	5.2	5.8	5.8	5.8	3.9	6.5	12.3	14.3	22.0
110°	5.8	5.8	3.9	5.2	5.2	5.8	3.9	6.5	9.7	11.0	17.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.9	3.9	3.2	3.9	4.5	4.5	3.9	5.8	8.4	9.1	12.3
115°	3.2	3.2	2.6	3.2	3.9	3.9	3.2	5.2	8.4	9.7	13.0
117.5°	3.9	3.2	2.6	3.2	3.9	3.2	3.2	4.5	8.4	9.7	13.0
120°	3.9	3.9	3.2	3.2	3.2	3.2	3.2	4.5	8.4	9.7	13.0
122.5°	4.5	3.9	3.2	3.2	3.2	3.2	3.2	3.9	7.8	9.1	12.3
125°	4.5	4.5	3.2	3.2	3.9	3.2	3.2	3.9	7.8	8.4	11.7
127.5°	5.2	4.5	3.9	3.2	3.9	3.2	3.2	3.9	7.1	7.8	10.4
130°	5.2	5.2	3.9	3.2	3.9	3.2	3.2	3.2	5.8	6.5	9.1
132.5°	5.2	5.2	4.5	3.9	4.5	3.9	3.2	3.2	4.5	5.2	7.1
135°	5.8	5.2	5.2	4.5	5.2	4.5	3.2	3.2	3.2	3.9	5.2
137.5°	5.8	5.8	5.8	5.2	5.8	4.5	3.2	3.2	3.2	3.2	3.9
140°	7.1	7.1	6.5	5.8	6.5	5.2	3.9	3.2	3.2	3.2	3.9
142.5°	8.4	8.4	7.8	7.1	6.5	5.2	4.5	3.9	3.9	3.9	3.9
145°	9.7	9.1	9.1	7.8	6.5	5.2	4.5	4.5	4.5	4.5	4.5
147.5°	9.7	9.7	9.1	7.1	5.8	3.9	3.9	5.2	5.2	5.2	5.2
150°	9.1	9.1	7.8	6.5	4.5	3.2	3.2	4.5	5.2	5.2	5.2
152.5°	7.1	6.5	5.8	3.9	3.2	1.9	2.6	3.2	3.9	3.9	4.5
155°	4.5	3.9	3.2	2.6	2.6	1.9	1.9	2.6	2.6	2.6	3.2
157.5°	1.9	1.9	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	0.6	0.6	0.6	0.6	1.9	1.9	1.9	1.3	1.3	1.3	1.3
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	3.9	3.9	3.9	3.9	3.9	3.2	3.9	4.5	5.2	5.2	5.2
5°	3.9	3.9	3.9	4.5	4.5	3.9	4.5	5.8	6.5	6.5	6.5
7.5°	4.5	3.9	4.5	5.2	5.2	5.2	22.7	65.5	72.6	73.9	75.2
10°	6.5	6.5	6.5	7.1	7.8	68.1	80.4	84.3	86.9	88.8	89.4
12.5°	98.5	86.2	53.8	14.3	68.7	84.3	88.8	95.3	98.5	102.4	101.1
15°	221.0	195.7	147.1	125.7	123.2	94.0	98.5	164.0	182.1	185.4	184.7
17.5°	250.2	215.2	164.0	175.0	182.1	141.3	165.9	183.4	186.7	189.9	189.3
20°	465.4	370.8	222.3	192.5	190.6	238.5	176.9	182.8	189.3	223.0	226.9
22.5°	516.6	426.5	291.0	282.0	230.1	242.4	230.7	234.0	254.1	254.1	252.8
25°	646.9	515.9	328.6	287.8	292.3	241.1	270.9	234.0	237.9	237.9	238.5
27.5°	841.3	663.1	436.2	320.8	289.1	291.7	257.3	237.2	271.6	275.5	277.4
30°	900.3	688.4	431.7	358.4	302.0	283.2	240.5	265.7	256.0	256.0	254.1
32.5°	1258.1	939.2	537.3	350.7	309.8	263.2	266.4	250.2	245.7	265.7	265.7
35°	1328.7	967.1	518.5	394.7	297.5	274.2	253.4	257.3	248.9	247.6	245.7
37.5°	1409.8	986.5	476.4	370.8	314.4	263.2	261.9	252.1	241.1	256.7	259.3
40°	1486.9	1005.3	442.7	342.2	290.4	261.9	256.7	251.5	228.2	228.2	227.5
42.5°	1573.7	1017.6	412.2	319.5	267.0	262.5	248.2	232.0	216.5	221.0	219.7
45°	1663.8	1025.4	381.1	294.3	246.3	271.6	248.9	241.8	229.5	231.4	229.5
47.5°	1774.7	1038.4	353.9	269.6	233.3	248.9	235.3	232.0	239.2	232.7	236.6
50°	1892.6	1045.5	328.6	248.2	220.4	241.8	243.7	234.0	239.2	228.2	227.5
52.5°	2033.9	1052.0	301.4	234.0	218.4	240.5	255.4	245.0	235.9	221.7	220.4
55°	2158.4	1031.2	278.1	224.9	231.4	237.9	265.1	252.8	234.0	217.8	218.4
57.5°	2293.9	1004.7	259.3	221.0	228.8	233.3	278.7	263.8	242.4	243.1	243.7
60°	2433.9	979.4	247.6	220.4	225.6	235.3	280.7	278.7	253.4	259.3	263.8
62.5°	2601.1	959.3	245.7	224.9	237.2	245.7	282.6	302.7	280.7	283.2	284.5
65°	2732.0	901.0	243.7	227.5	241.8	247.6	283.2	319.5	309.8	324.7	323.4
67.5°	2691.8	793.4	240.5	230.1	245.0	258.0	282.6	331.9	330.6	364.9	361.7
70°	2527.9	674.1	230.1	226.9	246.3	263.2	283.2	335.1	340.9	389.5	386.3
72.5°	2251.7	543.8	211.3	217.8	247.0	269.6	291.7	335.8	342.2	410.9	401.2
75°	1884.2	439.5	183.4	197.0	254.7	273.5	293.6	329.3	329.3	394.1	381.8
77.5°	1356.0	338.3	158.2	178.9	252.1	270.9	287.8	314.4	309.8	340.9	329.3
80°	790.1	249.5	134.8	175.7	236.6	265.7	271.6	277.4	256.0	263.2	256.0
82.5°	474.5	184.7	116.7	157.5	208.1	239.2	243.7	234.0	205.5	204.8	195.1
85°	284.5	126.4	85.6	121.9	164.0	199.6	204.8	177.6	151.0	166.6	149.1
87.5°	210.0	79.7	59.0	75.8	99.8	93.3	121.9	114.7	97.9	94.0	92.7
90°	189.3	60.9	48.6	61.6	67.4	57.7	62.2	62.2	50.6	49.9	47.3
92.5°	187.3	57.0	51.9	60.3	54.4	46.0	50.6	49.9	40.2	38.2	36.3
95°	175.0	51.2	51.9	54.4	48.0	37.6	40.8	38.2	28.5	26.6	24.6
97.5°	82.3	35.6	49.3	47.3	39.5	29.2	33.7	29.2	20.1	17.5	17.5
100°	19.4	30.5	42.1	42.8	31.8	22.0	23.3	18.8	13.0	11.0	11.0
102.5°	19.4	13.6	25.9	33.7	19.4	9.1	13.0	12.3	9.7	9.7	10.4
105°	19.4	13.0	13.0	22.0	11.7	5.8	5.8	7.8	8.4	11.0	12.3
107.5°	20.1	13.6	10.4	10.4	8.4	5.8	5.2	5.8	8.4	13.0	13.6
110°	16.9	12.3	9.7	9.1	8.4	5.8	4.5	5.8	8.4	14.3	15.6



REPORT NUMBER: P416129

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.3	11.0	8.4	8.4	7.1	5.8	4.5	5.2	9.1	15.6	16.9
115°	12.3	10.4	7.8	7.1	5.8	5.2	4.5	5.2	9.7	16.9	18.1
117.5°	13.0	10.4	7.1	6.5	5.2	3.9	3.9	5.2	9.7	17.5	18.8
120°	13.0	10.4	7.1	6.5	5.2	3.9	3.9	5.8	10.4	16.9	18.1
122.5°	12.3	10.4	7.1	6.5	5.2	3.2	3.9	5.2	9.7	16.2	17.5
125°	11.0	9.7	7.1	5.8	5.2	3.2	3.9	5.2	9.7	15.6	16.2
127.5°	10.4	9.1	6.5	5.8	4.5	3.2	3.9	5.2	9.1	14.3	14.9
130°	9.1	8.4	5.8	5.2	4.5	3.2	3.9	5.2	9.1	13.0	13.6
132.5°	7.1	6.5	5.2	4.5	4.5	3.2	3.9	4.5	7.1	11.0	11.7
135°	5.2	5.2	4.5	4.5	4.5	3.2	3.9	3.9	5.8	8.4	9.1
137.5°	3.9	3.9	3.9	4.5	3.9	3.2	3.2	3.9	5.2	6.5	7.1
140°	3.9	3.9	3.9	4.5	3.9	3.2	3.2	3.9	4.5	5.2	5.8
142.5°	3.9	3.9	3.9	4.5	3.9	2.6	3.2	3.9	4.5	5.2	5.2
145°	4.5	4.5	4.5	4.5	3.9	2.6	2.6	3.9	4.5	5.2	5.2
147.5°	5.2	5.2	4.5	4.5	3.9	1.9	1.9	3.9	4.5	5.2	5.2
150°	5.2	5.2	4.5	4.5	3.2	1.9	1.9	3.2	4.5	4.5	4.5
152.5°	3.9	3.9	3.9	3.9	3.2	1.3	1.3	2.6	3.9	3.9	3.9
155°	3.2	3.2	3.2	3.2	2.6	1.3	0.6	1.9	3.2	3.2	3.2
157.5°	1.9	2.6	2.6	3.2	2.6	1.3	0.6	1.3	2.6	2.6	2.6
160°	1.3	1.9	1.9	2.6	2.6	1.3	0.6	1.3	1.9	1.9	1.9
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)