

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: P416541

Luminaire Tested: **LXF.LXT-PA1-70-830-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-830-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6183 lumens  
Efficiency: N/A  
Efficacy: 83.6 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

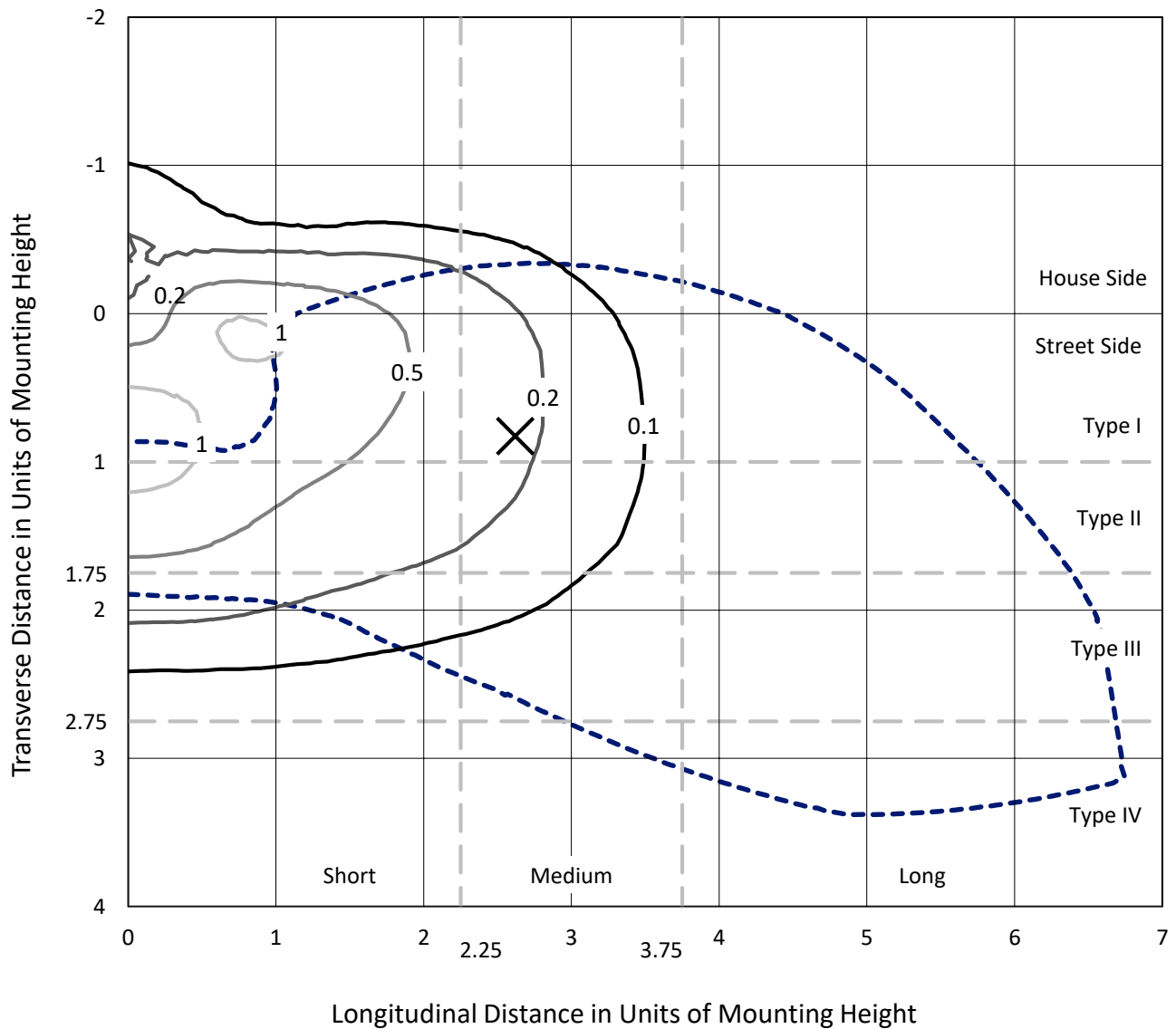
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

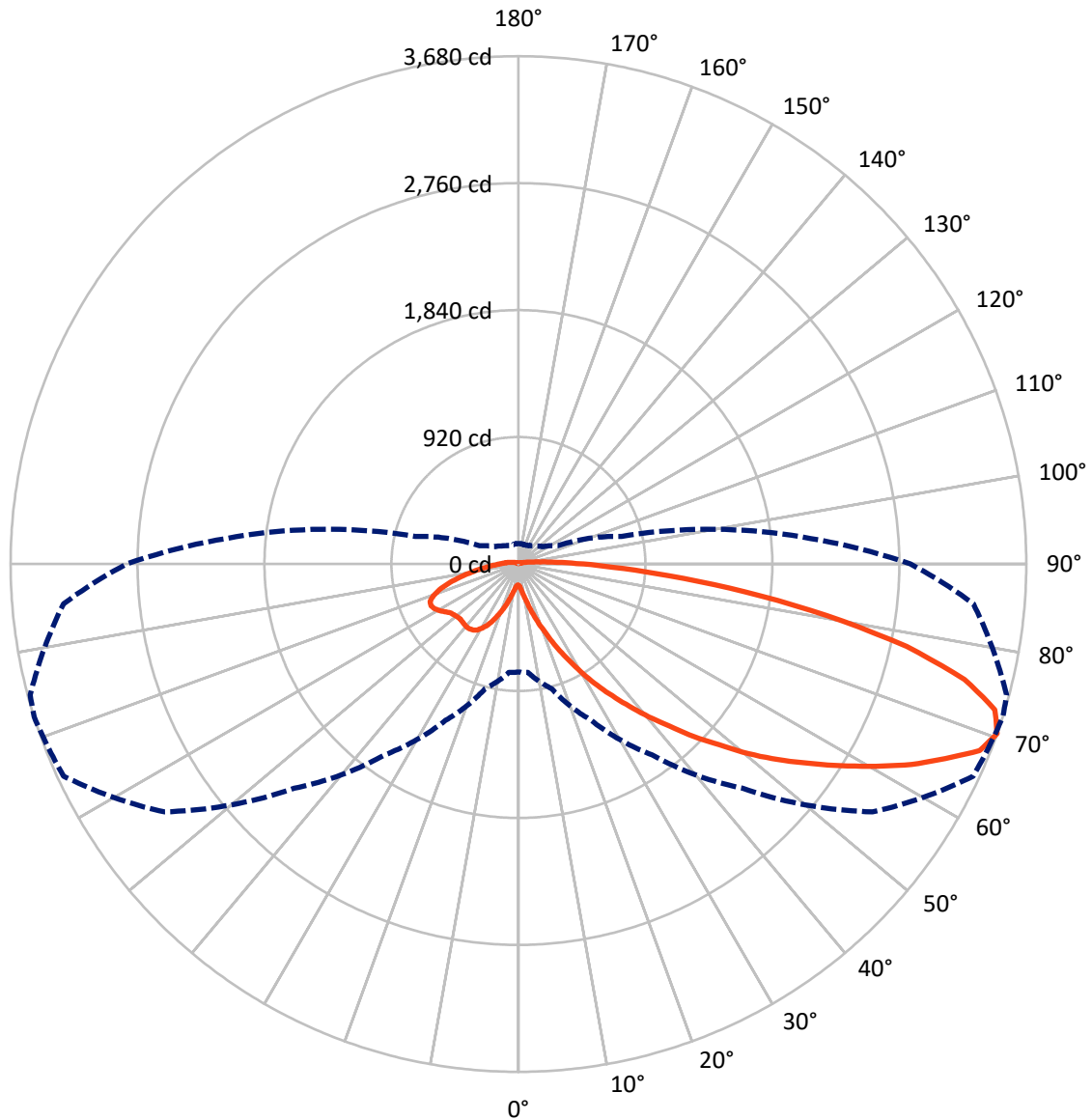
✕ Max cd  
 - - - 1/2 Max cd



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 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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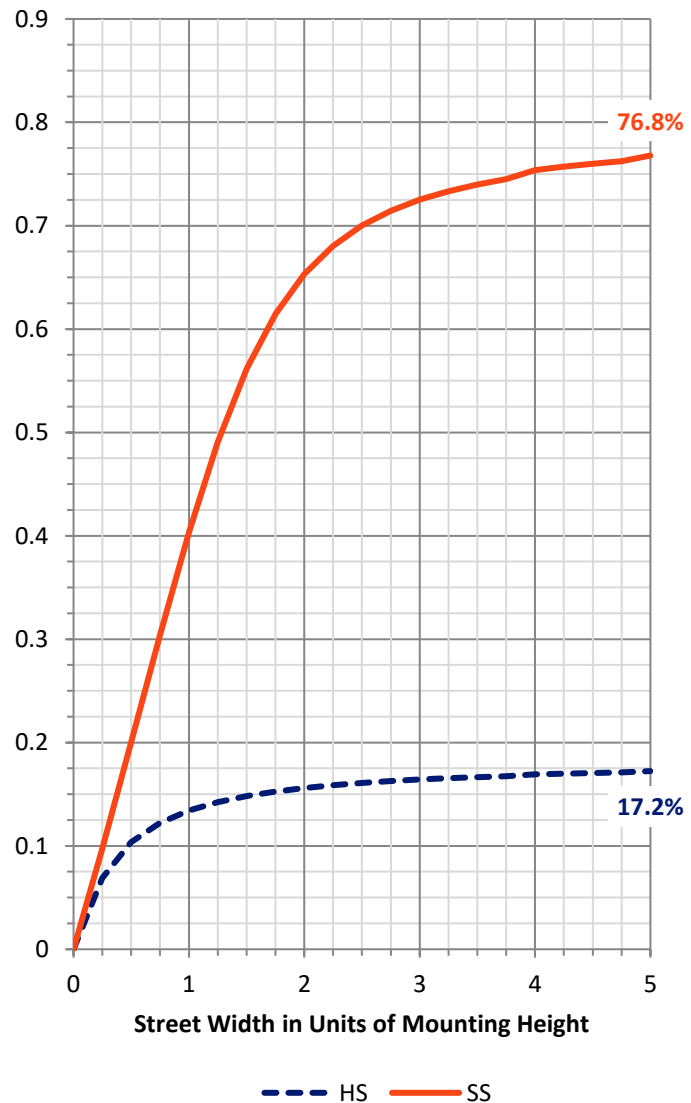
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1111.5	100.8	1212.3
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4854.2	116.4	4970.7
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	5965.7	217.3	6183.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.4	0.3
10°-20°	83.7	1.4
20°-30°	233.6	3.8
30°-40°	484.3	7.8
40°-50°	836.4	13.5
50°-60°	1235.3	20.0
60°-70°	1458.0	23.6
70°-80°	1157.1	18.7
80°-90°	460.0	7.4
90°-100°	121.6	2.0
100°-110°	46.9	0.8
110°-120°	22.9	0.4
120°-130°	13.0	0.2
130°-140°	7.6	0.1
140°-150°	3.6	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5965.7	96.5
0°-180°	6183.0	100.0



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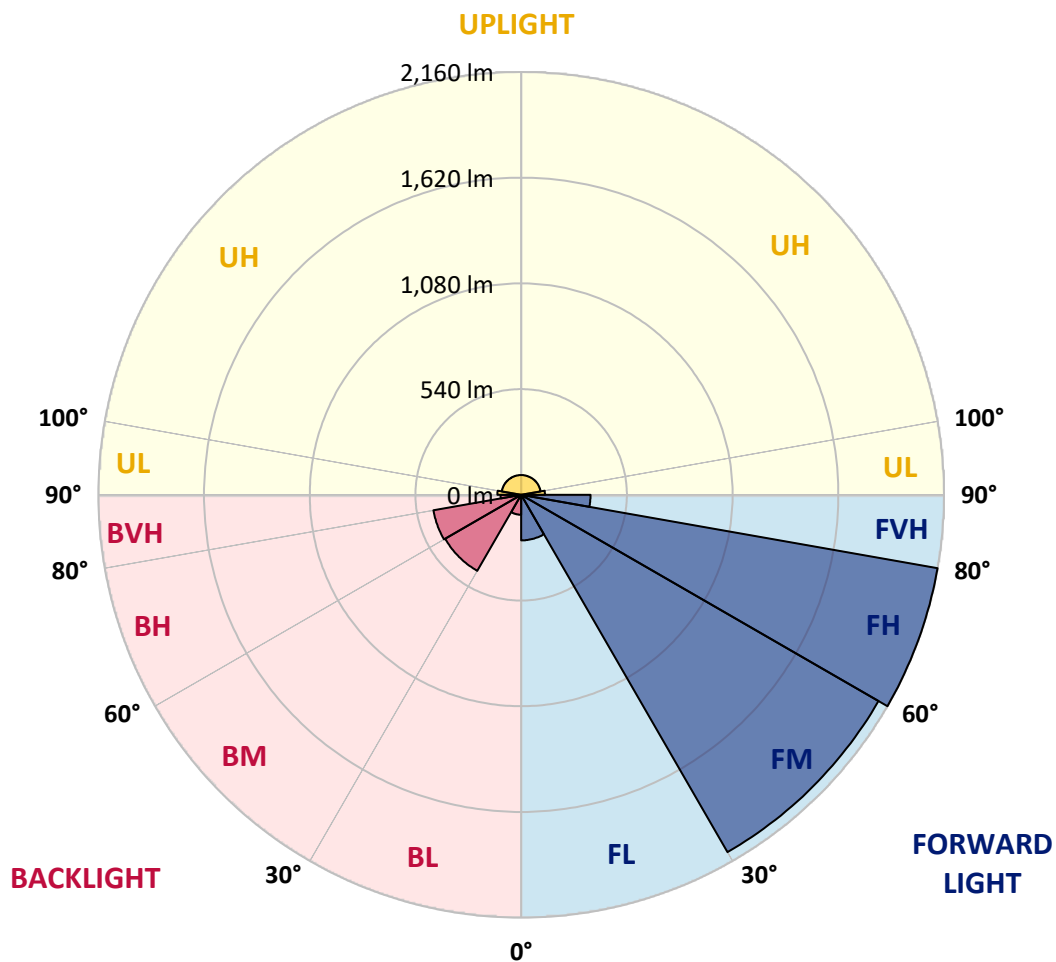
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.7	3.8			
FM	(30°-60°)	2107.4	34.1			
FH	(60°-80°)	2159.8	34.9			G2/5000
FVH	(80°-90°)	354.2	5.7			G3/500
BL	(0°-30°)	102.0	1.6	B0/110		
BM	(30°-60°)	448.5	7.3	B1/1000		
BH	(60°-80°)	455.2	7.4	B1/500		G1/500
BVH	(80°-90°)	105.8	1.7			G2/225
UL	(90°-100°)	121.6	2.0		U3/500	
UH	(100°-180°)	100.8	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°	72.5°	75°	85°
0°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9
2.5°	173.8	174.5	173.8	173.8	172.3	171.6	167.2	164.3	162.1	160.7	158.5
5°	201.4	202.8	202.1	202.1	198.5	196.3	191.2	185.4	181.0	180.3	173.8
7.5°	238.5	237.7	234.8	234.1	232.6	229.0	221.7	213.0	208.6	207.2	197.7
10°	284.3	280.6	282.1	277.0	274.1	268.3	261.7	255.2	246.5	246.5	233.4
12.5°	330.1	338.1	335.9	328.6	322.8	313.3	305.3	303.2	293.0	294.4	282.1
15°	404.9	404.2	397.7	392.6	380.9	369.3	362.0	357.0	354.0	351.9	338.1
17.5°	484.2	479.8	474.7	459.5	442.7	432.6	426.0	420.9	424.6	423.8	407.1
20°	575.8	570.7	563.4	535.8	514.0	498.0	494.4	500.2	502.4	508.2	491.5
22.5°	677.6	675.4	657.9	626.7	589.6	568.5	564.9	578.7	595.4	598.3	586.7
25°	799.7	796.8	772.8	727.7	679.0	647.0	647.0	668.8	696.5	703.0	697.2
27.5°	930.6	923.3	892.0	836.8	769.9	728.5	723.4	762.6	801.2	820.1	812.8
30°	1081.1	1079.6	1028.0	960.4	880.4	814.2	812.1	869.5	924.0	932.7	934.2
32.5°	1235.9	1248.3	1188.6	1087.6	990.9	913.1	909.5	974.2	1049.8	1065.1	1065.1
35°	1414.7	1415.5	1342.0	1241.7	1109.4	1020.7	1010.5	1087.6	1171.9	1193.0	1204.6
37.5°	1595.0	1590.7	1524.5	1386.4	1238.1	1131.2	1121.8	1212.6	1308.6	1342.8	1340.6
40°	1772.4	1784.8	1701.2	1548.5	1369.7	1261.3	1238.1	1345.0	1455.5	1494.0	1478.7
42.5°	1963.6	1960.7	1885.8	1715.7	1516.5	1387.1	1373.3	1483.8	1606.7	1650.3	1636.5
45°	2130.8	2129.4	2048.0	1877.8	1656.8	1532.5	1513.6	1630.7	1784.8	1825.5	1797.1
47.5°	2285.0	2281.3	2197.0	2024.0	1779.7	1671.4	1672.8	1792.8	1956.4	2023.2	1979.6
50°	2404.2	2391.8	2338.8	2151.9	1912.7	1817.5	1845.1	1986.2	2160.6	2221.0	2173.7
52.5°	2468.2	2449.3	2407.8	2241.3	2038.5	1962.2	2015.2	2182.5	2354.8	2412.2	2360.6
55°	2437.6	2437.6	2414.4	2295.9	2127.9	2094.5	2201.4	2370.0	2549.6	2612.8	2567.0
57.5°	2314.8	2333.7	2344.6	2281.3	2189.7	2225.3	2394.7	2583.8	2756.1	2825.9	2765.5
60°	2099.6	2104.7	2184.6	2202.8	2214.4	2336.6	2595.4	2820.8	2975.6	3030.9	2962.5
62.5°	1795.0	1819.0	1916.4	2050.9	2178.1	2428.9	2806.2	3059.2	3198.8	3235.9	3136.3
65°	1456.2	1450.4	1630.7	1832.0	2077.8	2455.8	2976.3	3290.4	3398.7	3448.2	3275.1
67.5°	1104.3	1100.7	1267.2	1562.3	1907.7	2427.5	3114.5	3486.7	3605.9	3607.4	3362.4
70°	783.0	788.8	936.4	1249.7	1688.1	2298.0	3131.2	3636.5	3680.1	3662.6	3309.3
72.5°	531.4	535.8	676.1	957.5	1397.3	2088.7	2991.6	3620.5	3610.3	3561.6	3091.2
75°	342.4	371.5	475.5	727.7	1131.2	1787.0	2720.4	3391.5	3338.4	3257.7	2712.4
77.5°	236.3	250.8	330.8	530.0	884.0	1475.8	2335.9	2931.3	2876.0	2777.1	2186.8
80°	159.9	166.5	227.6	396.2	695.7	1160.3	1903.3	2359.8	2264.6	2162.8	1640.1
82.5°	106.9	119.2	163.6	284.3	526.3	895.7	1447.5	1802.2	1651.0	1563.1	1152.3
85°	71.2	77.8	116.3	206.5	380.9	652.1	1041.8	1224.3	1091.2	1013.4	736.5
87.5°	48.0	53.8	82.9	147.6	282.1	474.0	697.9	791.0	684.1	635.4	445.7
90°	32.0	35.6	61.1	106.1	199.2	330.8	471.1	488.5	419.5	389.7	272.6
92.5°	22.5	26.2	45.8	78.5	139.6	229.7	302.4	295.9	247.2	232.6	175.9
95°	17.4	20.4	35.6	60.3	101.8	157.8	197.0	180.3	156.3	151.2	121.4
97.5°	15.3	16.7	29.8	48.7	77.1	112.0	128.0	122.1	105.4	102.5	88.7
100°	13.8	15.3	26.2	42.2	61.8	82.2	91.6	85.1	76.3	74.2	65.4
102.5°	13.1	13.8	23.3	36.4	50.9	64.7	70.5	63.2	56.7	56.0	50.2
105°	12.4	13.1	20.4	31.3	42.9	53.1	55.3	49.4	44.3	42.2	37.8
107.5°	11.6	11.6	18.2	27.6	37.1	44.3	45.8	40.0	34.2	32.7	29.8
110°	10.9	11.6	16.7	24.7	32.7	38.5	38.5	32.7	26.9	25.4	24.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.9	10.9	15.3	21.8	29.1	33.4	32.7	26.9	21.8	19.6	19.6
115°	10.2	10.9	14.5	20.4	26.2	29.1	27.6	22.5	17.4	16.0	16.7
117.5°	10.2	10.9	13.1	18.2	23.3	25.4	24.0	18.9	14.5	13.8	15.3
120°	10.2	10.9	13.1	16.7	20.4	22.5	21.1	16.0	13.1	12.4	13.8
122.5°	10.9	10.9	12.4	15.3	18.9	20.4	18.2	13.8	11.6	10.9	12.4
125°	10.9	10.9	12.4	14.5	17.4	18.2	16.0	12.4	10.2	10.2	11.6
127.5°	10.9	10.9	12.4	13.8	16.0	16.0	14.5	10.9	9.5	9.5	10.9
130°	10.9	10.9	11.6	13.1	14.5	14.5	12.4	9.5	8.7	8.7	10.2
132.5°	11.6	11.6	11.6	12.4	13.1	13.1	10.9	8.7	8.0	8.0	10.2
135°	10.9	10.9	10.9	11.6	11.6	11.6	9.5	8.0	7.3	8.0	9.5
137.5°	10.2	10.2	10.9	10.9	10.9	10.2	8.0	6.5	6.5	7.3	8.7
140°	10.2	9.5	10.2	10.2	9.5	8.7	7.3	5.8	5.8	6.5	7.3
142.5°	8.7	8.7	8.7	8.7	8.0	7.3	5.8	5.1	5.8	5.8	6.5
145°	8.0	8.0	8.0	7.3	7.3	5.8	4.4	4.4	4.4	5.1	5.8
147.5°	6.5	6.5	6.5	6.5	5.8	5.1	2.9	3.6	3.6	3.6	4.4
150°	5.1	5.1	5.8	5.1	4.4	3.6	2.2	2.9	3.6	3.6	3.6
152.5°	4.4	4.4	4.4	4.4	3.6	2.2	2.2	2.9	2.9	2.9	3.6
155°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9	2.9
157.5°	1.5	1.5	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
160°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9	154.9
2.5°	157.0	155.6	152.7	149.8	147.6	145.4	143.9	141.8	140.3	140.3	140.3
5°	169.4	167.9	160.7	153.4	146.9	141.0	136.7	131.6	129.4	127.2	128.0
7.5°	194.1	189.0	177.4	165.0	154.1	142.5	133.8	126.5	122.1	119.2	119.2
10°	227.6	219.6	202.1	183.2	165.0	148.3	135.2	125.0	117.8	114.9	114.9
12.5°	270.4	262.4	235.5	207.2	179.6	155.6	138.9	125.8	117.8	114.1	114.1
15°	327.9	314.1	277.7	237.0	197.0	164.3	142.5	131.6	126.5	124.3	124.3
17.5°	396.2	375.9	328.6	267.5	214.5	173.0	151.9	141.8	137.4	136.7	136.7
20°	476.2	450.7	379.5	298.1	228.3	183.9	159.9	151.2	149.8	150.5	150.5
22.5°	567.1	530.0	431.8	325.7	241.4	190.5	165.8	158.5	159.9	163.6	162.8
25°	663.0	623.8	489.3	350.4	250.1	193.4	169.4	165.0	170.8	175.2	175.2
27.5°	775.0	713.9	541.6	367.9	252.3	191.2	170.1	167.9	175.9	182.5	183.9
30°	889.1	810.6	586.7	378.8	247.9	186.1	167.2	168.7	178.1	186.8	187.6
32.5°	1004.7	902.2	623.8	380.9	240.6	179.6	164.3	167.2	177.4	186.8	188.3
35°	1119.6	988.0	648.5	373.0	229.0	173.0	159.2	164.3	174.5	185.4	186.8
37.5°	1232.3	1069.4	663.8	359.9	217.4	167.2	155.6	160.7	170.8	183.2	184.7
40°	1355.1	1156.7	672.5	344.6	205.7	162.1	153.4	158.5	168.7	180.3	182.5
42.5°	1467.8	1236.6	673.2	325.7	197.0	159.9	151.9	156.3	165.8	178.1	180.3
45°	1614.7	1318.8	673.2	309.7	191.2	159.2	151.9	155.6	164.3	177.4	180.3
47.5°	1753.5	1413.3	674.7	295.9	188.3	160.7	153.4	154.9	162.1	177.4	180.3
50°	1914.9	1504.2	686.3	285.7	187.6	163.6	155.6	154.1	159.9	175.9	179.6
52.5°	2075.6	1624.1	700.8	278.4	189.0	166.5	157.0	154.1	157.8	172.3	176.7
55°	2251.5	1738.3	716.8	279.2	191.9	169.4	159.2	153.4	154.9	166.5	170.8
57.5°	2427.5	1872.0	751.7	283.5	195.6	173.0	161.4	153.4	151.2	159.9	163.6
60°	2581.6	1989.8	788.1	293.0	200.7	176.7	162.8	152.7	148.3	153.4	156.3
62.5°	2744.4	2118.5	817.1	301.0	206.5	179.6	162.8	151.9	146.1	149.8	151.2
65°	2850.6	2194.8	832.4	311.2	212.3	181.8	163.6	150.5	145.4	147.6	149.0
67.5°	2905.1	2207.2	822.2	314.8	217.4	183.2	162.8	149.0	146.1	147.6	149.0
70°	2840.4	2125.0	773.5	312.6	218.8	183.2	161.4	147.6	146.1	148.3	149.0
72.5°	2606.3	1927.3	701.6	301.7	216.6	180.3	159.2	145.4	145.4	149.0	149.0
75°	2244.3	1643.0	607.0	285.0	210.8	175.9	154.9	141.8	143.2	148.3	148.3
77.5°	1797.1	1299.9	500.2	261.0	199.9	168.7	149.0	136.7	140.3	146.1	145.4
80°	1337.7	968.4	402.8	234.1	185.4	158.5	141.0	130.9	135.9	141.0	139.6
82.5°	891.3	679.7	318.4	205.7	170.1	148.3	132.3	122.9	129.4	134.5	132.3
85°	578.7	452.9	246.5	177.4	154.1	136.7	121.4	114.1	120.7	125.0	122.9
87.5°	360.6	303.9	187.6	151.2	137.4	123.6	112.0	104.0	110.5	114.9	112.0
90°	238.5	203.6	147.6	130.9	122.1	111.2	100.3	94.5	101.1	102.5	100.3
92.5°	157.0	143.9	120.0	112.0	107.6	98.9	90.9	85.8	90.9	91.6	90.1
95°	112.7	109.1	98.9	97.4	95.2	88.0	81.4	77.1	80.0	80.7	77.8
97.5°	85.8	85.1	84.3	84.3	82.9	77.8	72.0	68.3	69.8	69.1	66.9
100°	66.9	68.3	70.5	72.0	71.2	67.6	63.2	60.3	61.1	58.2	56.0
102.5°	52.3	55.3	58.9	61.1	61.1	58.2	56.0	53.1	50.9	47.3	46.5
105°	41.4	43.6	48.7	52.3	52.3	50.9	48.7	45.1	42.9	38.5	38.5
107.5°	32.7	35.6	41.4	44.3	45.1	43.6	42.2	39.3	35.6	31.3	31.3
110°	26.2	28.4	34.9	37.8	38.5	37.8	36.4	32.7	29.1	26.2	26.2



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CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.8	24.0	29.1	32.0	33.4	32.7	31.3	27.6	24.0	21.8	21.8
115°	18.9	21.1	24.7	27.6	28.4	28.4	26.2	24.0	19.6	18.9	18.9
117.5°	16.7	18.2	21.8	24.0	25.4	24.7	22.5	20.4	17.4	16.7	16.7
120°	15.3	16.7	19.6	21.8	21.8	21.1	19.6	17.4	15.3	14.5	15.3
122.5°	13.8	15.3	17.4	18.9	18.9	18.9	17.4	15.3	13.1	13.1	13.8
125°	13.1	13.8	16.0	16.7	17.4	16.7	15.3	13.1	11.6	12.4	12.4
127.5°	12.4	13.1	14.5	15.3	15.3	14.5	13.1	11.6	10.2	10.9	11.6
130°	11.6	12.4	13.1	13.8	13.8	13.1	11.6	10.2	9.5	10.2	10.2
132.5°	10.2	10.9	11.6	12.4	11.6	11.6	10.2	8.7	8.7	9.5	9.5
135°	9.5	10.2	10.2	10.9	10.2	10.2	8.7	8.0	8.0	8.7	8.7
137.5°	8.7	9.5	9.5	9.5	8.7	8.7	8.0	7.3	7.3	7.3	8.0
140°	8.0	8.0	8.0	8.0	7.3	7.3	6.5	5.8	6.5	6.5	6.5
142.5°	7.3	7.3	7.3	6.5	6.5	5.8	5.1	5.1	5.8	5.8	5.8
145°	5.8	5.8	5.8	5.1	5.1	4.4	4.4	4.4	5.1	5.1	5.1
147.5°	5.1	5.1	5.1	4.4	3.6	3.6	3.6	3.6	4.4	4.4	4.4
150°	4.4	4.4	4.4	3.6	2.9	2.9	2.2	2.9	3.6	3.6	3.6
152.5°	3.6	3.6	3.6	3.6	2.9	1.5	2.2	2.9	2.9	2.9	2.9
155°	2.9	2.9	3.6	2.9	2.2	0.7	1.5	2.2	2.2	2.2	2.2
157.5°	2.9	2.9	2.9	2.2	1.5	0.7	1.5	1.5	2.2	1.5	2.2
160°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	0.7	0.7	0.7
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)