

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: P416953

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6610 lumens  
Efficiency: N/A  
Efficacy: 79.6 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: B2 - U3 - G3

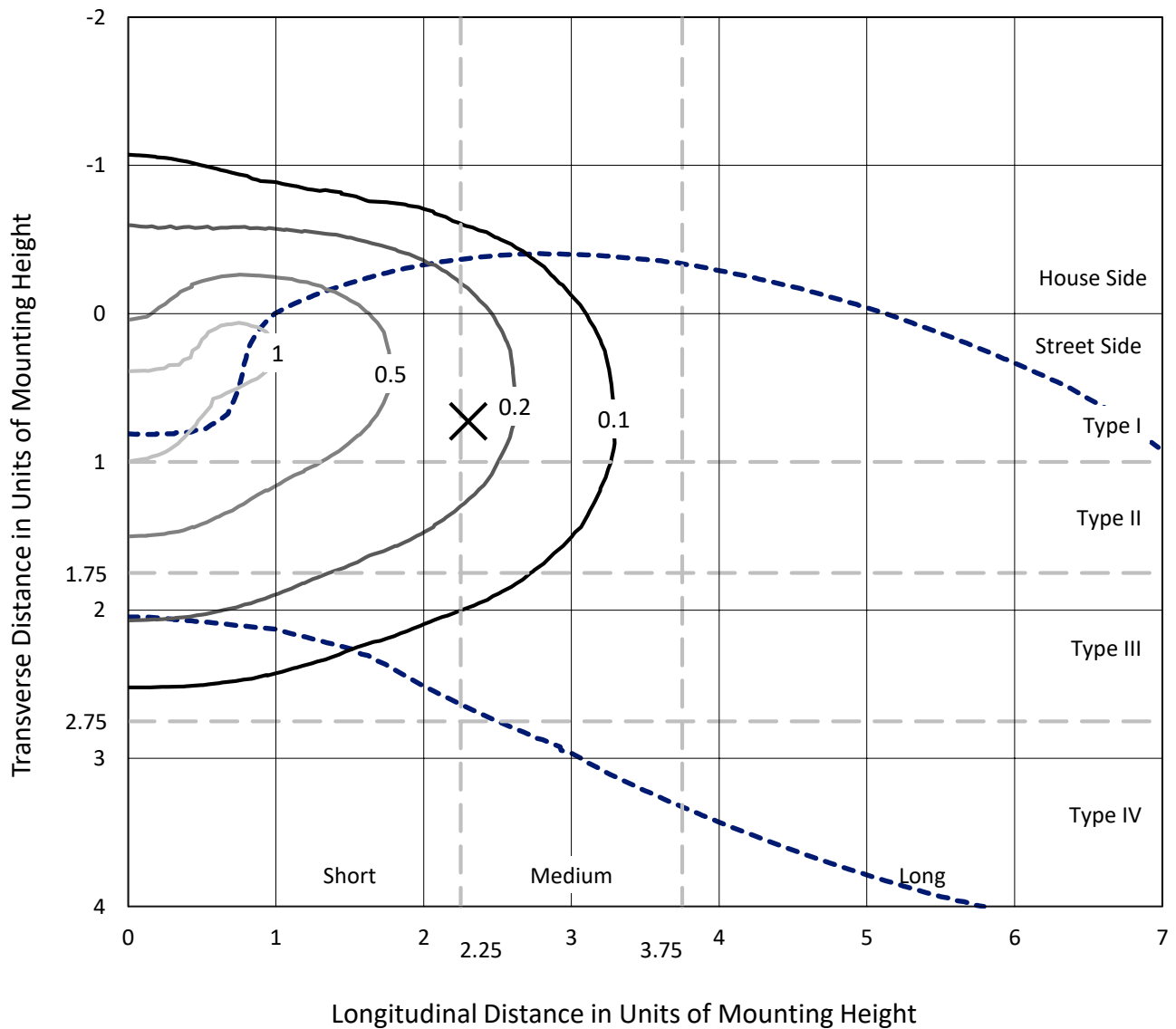
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

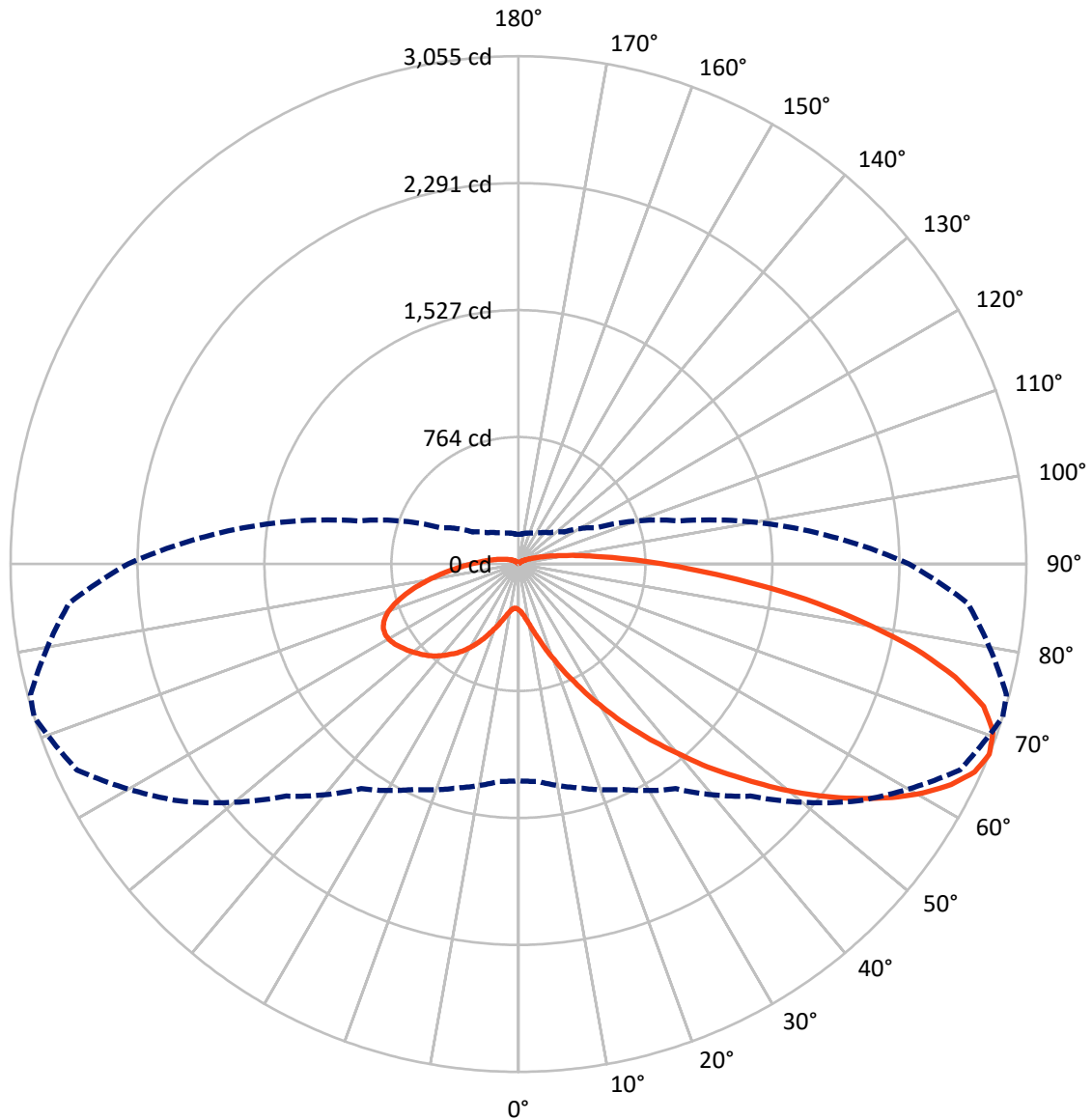
× Max cd  
 - - - 1/2 Max cd



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 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1342.3	190.9	1533.2
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	4706.6	370.2	5076.8
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	6048.9	561.1	6610.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	0.4
10°-20°	112.8	1.7
20°-30°	272.3	4.1
30°-40°	519.1	7.9
40°-50°	835.5	12.6
50°-60°	1156.0	17.5
60°-70°	1328.2	20.1
70°-80°	1140.1	17.2
80°-90°	656.4	9.9
90°-100°	296.7	4.5
100°-110°	136.4	2.1
110°-120°	68.5	1.0
120°-130°	35.6	0.5
130°-140°	16.9	0.3
140°-150°	5.8	0.1
150°-160°	1.0	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6048.9	91.5
0°-180°	6610.0	100.0



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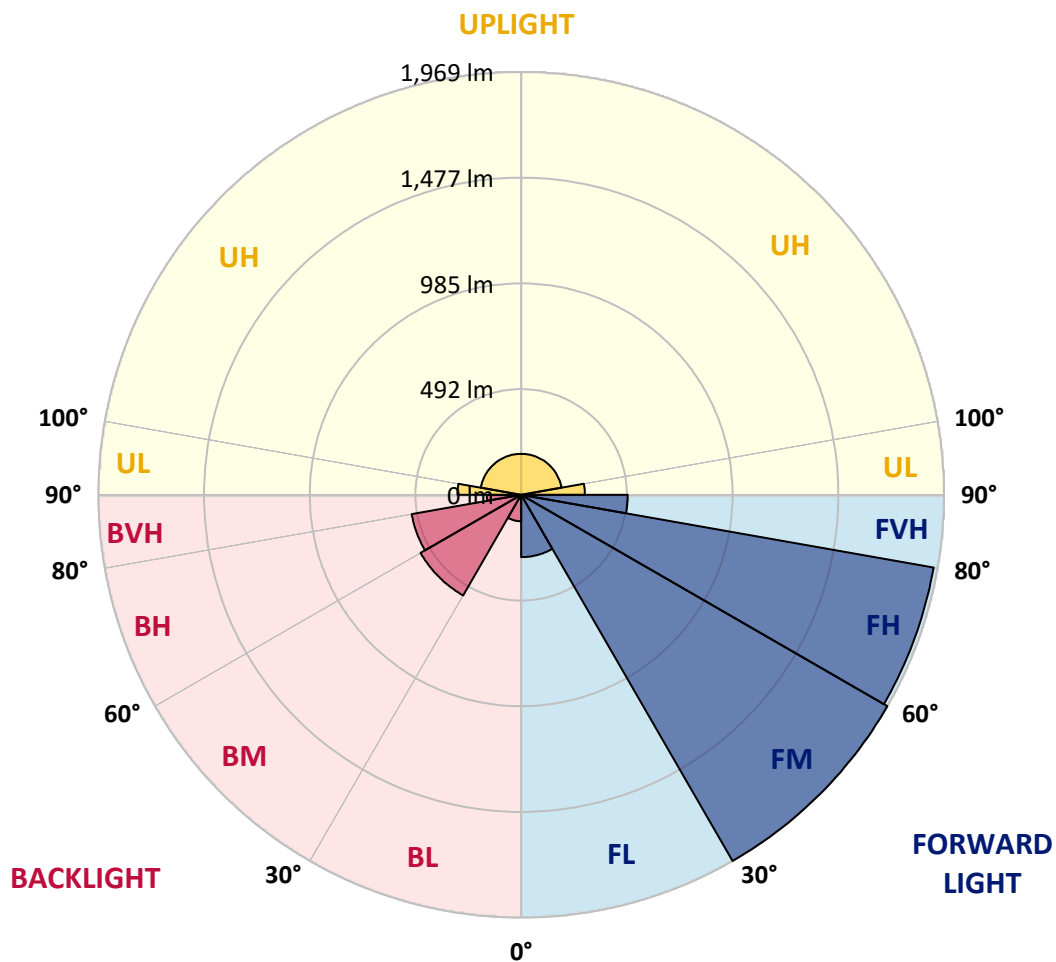
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.3	4.4			
FM	(30°-60°)	1969.4	29.8			
FH	(60°-80°)	1950.7	29.5			G2/5000
FVH	(80°-90°)	496.2	7.5			G3/500
BL	(0°-30°)	123.3	1.9	B1/500		
BM	(30°-60°)	541.2	8.2	B1/1000		
BH	(60°-80°)	517.6	7.8	B2/1000		G2/1000
BVH	(80°-90°)	160.2	2.4			G2/225
UL	(90°-100°)	296.7	4.5		U3/500	
UH	(100°-180°)	190.9	2.9		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°	72.5°	75°	85°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	309.1	308.3	309.1	306.7	304.4	299.6	296.4	290.1	286.9	285.3	278.9
5°	352.8	352.0	351.2	348.1	340.1	334.6	325.0	313.9	306.7	303.6	293.2
7.5°	400.5	398.9	397.3	390.2	384.6	375.1	360.8	346.5	334.6	332.2	313.1
10°	454.5	453.0	449.8	444.2	433.9	420.4	407.7	387.0	371.9	364.8	344.1
12.5°	510.2	513.4	509.4	498.3	486.3	473.6	455.3	435.5	419.6	414.0	382.2
15°	577.7	580.1	576.1	563.4	550.7	531.6	517.3	496.7	475.2	472.0	437.1
17.5°	652.4	651.6	643.7	631.8	620.6	605.5	584.9	565.8	542.0	536.4	493.5
20°	733.5	730.3	723.1	703.3	692.9	675.5	662.8	636.5	613.5	605.5	562.6
22.5°	814.5	812.9	806.6	788.3	775.6	760.5	741.4	717.6	701.7	685.8	638.1
25°	916.2	906.7	898.8	866.2	854.3	840.0	823.3	803.4	788.3	779.6	724.7
27.5°	1018.0	1010.8	992.5	968.7	945.7	922.6	915.5	898.0	893.2	886.1	824.1
30°	1118.9	1115.7	1095.8	1065.6	1032.3	1010.0	1006.0	1007.6	1000.5	991.7	925.8
32.5°	1233.3	1226.2	1203.9	1163.4	1128.4	1102.2	1102.2	1113.3	1119.7	1110.9	1041.0
35°	1345.4	1339.0	1311.2	1261.1	1222.2	1190.4	1203.1	1229.3	1244.4	1244.4	1157.8
37.5°	1463.8	1449.5	1420.9	1368.4	1316.0	1292.9	1307.2	1352.5	1374.8	1374.8	1287.4
40°	1567.1	1566.3	1527.3	1464.6	1412.9	1378.7	1422.5	1482.8	1512.2	1509.9	1417.7
42.5°	1670.4	1669.6	1632.2	1563.1	1497.9	1480.5	1535.3	1620.3	1668.0	1668.0	1549.6
45°	1763.4	1757.0	1725.2	1648.9	1588.5	1580.6	1661.6	1769.7	1819.0	1826.9	1692.6
47.5°	1831.7	1826.1	1798.3	1724.4	1667.2	1681.5	1779.3	1916.7	1983.5	1982.7	1838.9
50°	1877.8	1872.2	1848.4	1784.8	1735.5	1771.3	1907.2	2072.5	2155.9	2162.3	1983.5
52.5°	1891.3	1888.1	1875.4	1823.0	1791.2	1852.4	2027.2	2231.4	2326.0	2331.5	2141.6
55°	1868.3	1868.3	1867.5	1835.7	1823.0	1924.7	2151.2	2386.4	2488.9	2499.2	2297.4
57.5°	1814.2	1816.6	1830.9	1820.6	1839.7	1982.7	2256.1	2526.2	2650.2	2656.6	2436.4
60°	1732.4	1727.6	1759.4	1778.5	1830.1	2019.2	2349.0	2666.9	2796.4	2798.8	2558.8
62.5°	1608.4	1610.8	1656.9	1706.9	1795.9	2034.3	2430.9	2790.1	2921.2	2926.8	2654.2
65°	1462.2	1467.7	1530.5	1614.8	1737.1	2018.5	2477.8	2884.6	3015.8	3008.6	2709.0
67.5°	1304.0	1312.0	1393.8	1496.4	1649.7	1973.9	2485.7	2929.9	3054.7	3038.8	2713.8
70°	1130.8	1151.5	1233.3	1366.8	1536.9	1888.9	2439.6	2922.0	3028.5	3013.4	2643.1
72.5°	973.5	988.6	1078.4	1217.4	1410.5	1765.7	2341.9	2830.6	2926.0	2895.8	2495.2
75°	816.9	840.0	925.0	1073.6	1273.8	1613.2	2175.8	2654.2	2713.0	2680.4	2275.1
77.5°	683.4	704.1	788.3	931.3	1123.7	1453.4	1958.1	2386.4	2434.9	2401.5	1997.0
80°	557.1	580.1	662.0	802.6	983.0	1265.9	1708.5	2073.3	2091.6	2039.1	1690.3
82.5°	465.7	477.6	553.9	677.8	843.9	1091.9	1452.6	1739.5	1740.3	1677.5	1373.2
85°	380.6	387.8	457.7	569.8	712.0	922.6	1192.8	1401.0	1385.1	1350.9	1058.5
87.5°	308.3	315.5	378.3	479.2	599.2	770.0	973.5	1103.0	1065.6	1038.6	821.7
90°	252.7	260.7	312.3	399.7	503.0	635.7	774.8	852.7	819.3	798.6	633.3
92.5°	206.6	214.6	259.9	334.6	425.9	520.5	615.9	652.4	629.4	605.5	477.6
95°	174.8	176.4	216.9	279.7	352.0	420.4	482.4	503.8	472.0	463.3	369.5
97.5°	143.8	148.6	180.4	236.0	294.0	350.4	382.2	393.4	364.8	345.7	282.9
100°	122.4	124.8	152.6	197.1	244.8	285.3	309.9	304.4	278.9	267.8	214.6
102.5°	104.9	107.3	129.5	170.9	208.2	237.6	249.5	240.8	216.9	209.8	168.5
105°	92.2	93.0	111.3	144.6	176.4	201.1	205.8	192.3	169.3	159.7	132.7
107.5°	81.9	82.6	96.9	125.6	152.6	169.3	170.9	155.8	133.5	126.4	106.5
110°	73.1	74.7	85.0	108.9	131.9	144.6	143.0	127.1	106.5	100.1	87.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	66.0	67.5	75.5	95.4	114.4	125.6	121.6	102.5	85.0	81.1	72.3
115°	60.4	62.0	68.3	84.2	100.9	108.9	102.5	85.0	69.9	65.2	60.4
117.5°	56.4	57.2	62.0	74.7	87.4	93.8	86.6	70.7	57.2	54.0	51.7
120°	52.4	53.2	57.2	66.0	77.1	80.3	73.1	58.0	47.7	46.1	45.3
122.5°	49.3	49.3	52.4	58.8	66.8	69.1	62.0	48.5	40.5	38.9	39.7
125°	46.1	46.1	47.7	52.4	58.0	59.6	51.7	40.5	34.2	33.4	35.0
127.5°	42.9	42.9	43.7	46.9	50.1	50.1	42.9	33.4	29.4	28.6	31.0
130°	39.7	39.7	39.7	41.3	42.9	42.1	35.0	27.8	25.4	25.4	27.0
132.5°	36.6	36.6	36.6	36.6	35.8	34.2	28.6	22.3	22.3	22.3	23.8
135°	32.6	32.6	32.6	31.8	30.2	27.8	22.3	18.3	18.3	19.1	20.7
137.5°	29.4	29.4	28.6	27.0	24.6	21.5	17.5	14.3	15.9	15.9	17.5
140°	25.4	25.4	24.6	22.3	19.1	15.9	12.7	11.9	12.7	13.5	15.1
142.5°	21.5	21.5	20.7	18.3	15.1	11.1	8.7	8.7	10.3	10.3	11.9
145°	17.5	17.5	16.7	14.3	10.3	7.2	5.6	6.4	7.9	7.9	8.7
147.5°	13.5	13.5	12.7	10.3	7.2	4.8	3.2	4.8	5.6	5.6	6.4
150°	9.5	9.5	8.7	7.2	4.8	2.4	1.6	2.4	3.2	4.0	4.0
152.5°	6.4	6.4	5.6	4.8	2.4	0.8	1.6	2.4	2.4	2.4	3.2
155°	4.0	3.2	3.2	2.4	0.8	0.0	0.8	1.6	1.6	1.6	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.8	0.8	0.8	1.6	1.6
160°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
162.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
165°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
167.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
170°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
172.5°	0.0	0.8	0.8	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
175°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.0	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	277.3	274.2	269.4	264.6	259.9	256.7	253.5	251.9	249.5	247.1	247.1
5°	286.9	280.5	269.4	258.3	247.9	239.2	230.5	225.7	222.5	219.3	220.1
7.5°	304.4	294.8	276.5	258.3	241.6	227.3	215.4	205.8	199.5	195.5	196.3
10°	329.0	318.7	290.8	264.6	240.8	220.1	203.4	189.9	182.0	178.0	178.0
12.5°	367.9	350.4	313.9	276.5	244.8	216.9	195.5	179.6	168.5	163.7	162.9
15°	414.8	390.2	345.7	299.6	254.3	216.9	189.1	178.0	170.9	167.7	166.9
17.5°	470.4	443.4	382.2	321.0	267.0	221.7	197.9	184.4	176.4	173.2	172.4
20°	530.8	499.0	422.0	348.1	279.7	236.0	206.6	189.9	181.2	178.0	178.0
22.5°	604.7	562.6	464.9	371.9	295.6	247.9	215.4	194.7	186.7	183.6	182.8
25°	681.0	633.3	515.7	397.3	313.1	257.5	221.7	199.5	191.5	188.3	189.1
27.5°	770.8	709.6	565.8	422.8	328.2	263.0	224.9	203.4	195.5	193.1	193.9
30°	864.6	787.5	610.3	449.0	338.5	267.0	227.3	206.6	197.9	196.3	196.3
32.5°	963.9	876.5	656.4	472.0	344.9	267.8	227.3	208.2	199.5	198.7	199.5
35°	1065.6	962.3	700.9	490.3	348.1	267.0	226.5	209.8	199.5	199.5	199.5
37.5°	1178.5	1046.6	738.2	503.0	348.9	264.6	225.7	209.0	199.5	199.5	200.3
40°	1294.5	1136.4	779.6	513.4	348.1	263.0	224.9	209.0	199.5	199.5	200.3
42.5°	1409.7	1219.8	818.5	519.7	346.5	261.4	224.1	209.0	199.5	197.9	198.7
45°	1534.5	1316.8	855.9	523.7	344.9	260.7	224.1	208.2	199.5	196.3	197.1
47.5°	1650.5	1406.6	886.1	528.5	344.1	260.7	224.9	208.2	198.7	195.5	195.5
50°	1781.6	1499.5	917.0	530.0	342.5	260.7	224.9	208.2	197.9	193.1	193.9
52.5°	1911.2	1593.3	947.2	533.2	342.5	261.4	225.7	208.2	197.1	190.7	190.7
55°	2035.1	1676.7	974.3	535.6	342.5	263.0	228.1	208.2	196.3	188.3	188.3
57.5°	2148.8	1762.6	1001.3	536.4	342.5	264.6	228.1	209.0	195.5	186.0	186.0
60°	2249.7	1836.5	1020.4	537.2	341.7	266.2	229.7	208.2	194.7	183.6	183.6
62.5°	2321.2	1892.9	1029.9	534.8	341.7	266.2	230.5	208.2	193.9	182.8	182.0
65°	2361.7	1912.8	1024.3	527.7	340.1	266.2	229.7	207.4	192.3	181.2	180.4
67.5°	2348.2	1891.3	1000.5	516.5	336.1	265.4	229.7	205.8	192.3	180.4	178.8
70°	2275.1	1826.9	955.2	499.8	330.6	262.2	226.5	203.4	190.7	179.6	178.0
72.5°	2132.1	1697.4	889.2	473.6	321.0	257.5	222.5	199.5	187.5	177.2	174.8
75°	1933.4	1543.2	809.0	446.6	309.1	251.1	217.7	195.5	183.6	174.0	171.6
77.5°	1678.3	1337.4	720.0	411.6	294.0	242.4	211.4	189.1	178.0	169.3	166.1
80°	1413.7	1126.8	623.8	375.1	278.1	231.2	201.8	181.2	170.9	162.9	158.9
82.5°	1144.3	925.8	534.0	340.1	259.9	218.5	192.3	172.4	162.9	154.2	150.2
85°	902.7	731.9	447.4	303.6	240.8	205.8	181.2	162.1	153.4	143.8	139.9
87.5°	702.5	580.9	374.3	270.2	220.1	191.5	169.3	151.8	141.5	132.7	129.5
90°	547.5	457.7	313.1	238.4	201.8	177.2	156.5	140.7	130.3	121.6	117.6
92.5°	417.2	362.4	262.2	210.6	183.6	162.9	144.6	129.5	119.2	109.7	105.7
95°	326.6	287.7	221.7	185.2	165.3	147.8	132.7	118.4	107.3	96.9	94.6
97.5°	253.5	230.5	186.7	162.1	149.4	133.5	120.0	107.3	96.2	85.8	83.4
100°	200.3	183.6	158.1	143.8	132.7	120.0	108.1	96.9	85.0	73.9	73.1
102.5°	158.1	151.0	134.3	126.4	117.6	108.1	97.7	85.8	73.9	63.6	62.8
105°	129.5	123.2	115.2	110.5	104.9	96.2	86.6	76.3	64.4	54.8	54.8
107.5°	104.9	101.7	97.7	96.9	93.0	85.8	77.9	67.5	55.6	47.7	47.7
110°	85.8	85.0	85.0	85.0	82.6	77.1	69.1	58.8	46.9	41.3	41.3



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.3	72.3	73.1	74.7	73.1	67.5	60.4	50.9	40.5	35.8	35.8
115°	61.2	62.0	64.4	65.2	64.4	60.4	53.2	43.7	34.2	31.0	31.8
117.5°	53.2	53.2	56.4	58.0	57.2	53.2	46.1	37.3	29.4	27.8	27.8
120°	46.1	47.7	50.1	50.9	50.1	46.1	40.5	31.8	25.4	24.6	24.6
122.5°	40.5	41.3	43.7	45.3	43.7	40.5	34.2	27.0	21.5	21.5	22.3
125°	35.8	36.6	38.1	39.7	38.1	34.2	29.4	22.3	19.1	19.1	19.1
127.5°	31.8	32.6	34.2	34.2	32.6	29.4	24.6	19.1	15.9	16.7	16.7
130°	27.8	28.6	29.4	29.4	28.6	25.4	20.7	15.9	14.3	15.1	15.1
132.5°	24.6	25.4	25.4	25.4	23.8	21.5	17.5	13.5	12.7	13.5	13.5
135°	21.5	21.5	22.3	21.5	19.9	17.5	13.5	11.1	11.1	11.9	11.9
137.5°	18.3	19.1	19.1	17.5	15.9	13.5	11.1	9.5	9.5	10.3	10.3
140°	15.1	15.9	15.1	14.3	12.7	11.1	8.7	7.2	7.9	8.7	8.7
142.5°	12.7	12.7	12.7	11.1	9.5	7.9	6.4	6.4	7.2	7.2	7.9
145°	9.5	9.5	9.5	8.7	7.2	5.6	4.8	4.8	5.6	6.4	6.4
147.5°	7.2	7.2	7.2	6.4	4.8	4.0	3.2	4.0	4.8	5.6	4.8
150°	4.8	4.8	4.8	4.0	3.2	2.4	2.4	3.2	4.0	4.0	4.0
152.5°	3.2	3.2	3.2	3.2	2.4	0.8	1.6	2.4	3.2	3.2	3.2
155°	2.4	2.4	2.4	2.4	1.6	0.0	0.8	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.0
165°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
167.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
170°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
172.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
175°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)