

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: P416121

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416121  
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-PA1-60-830-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA 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: 5392 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

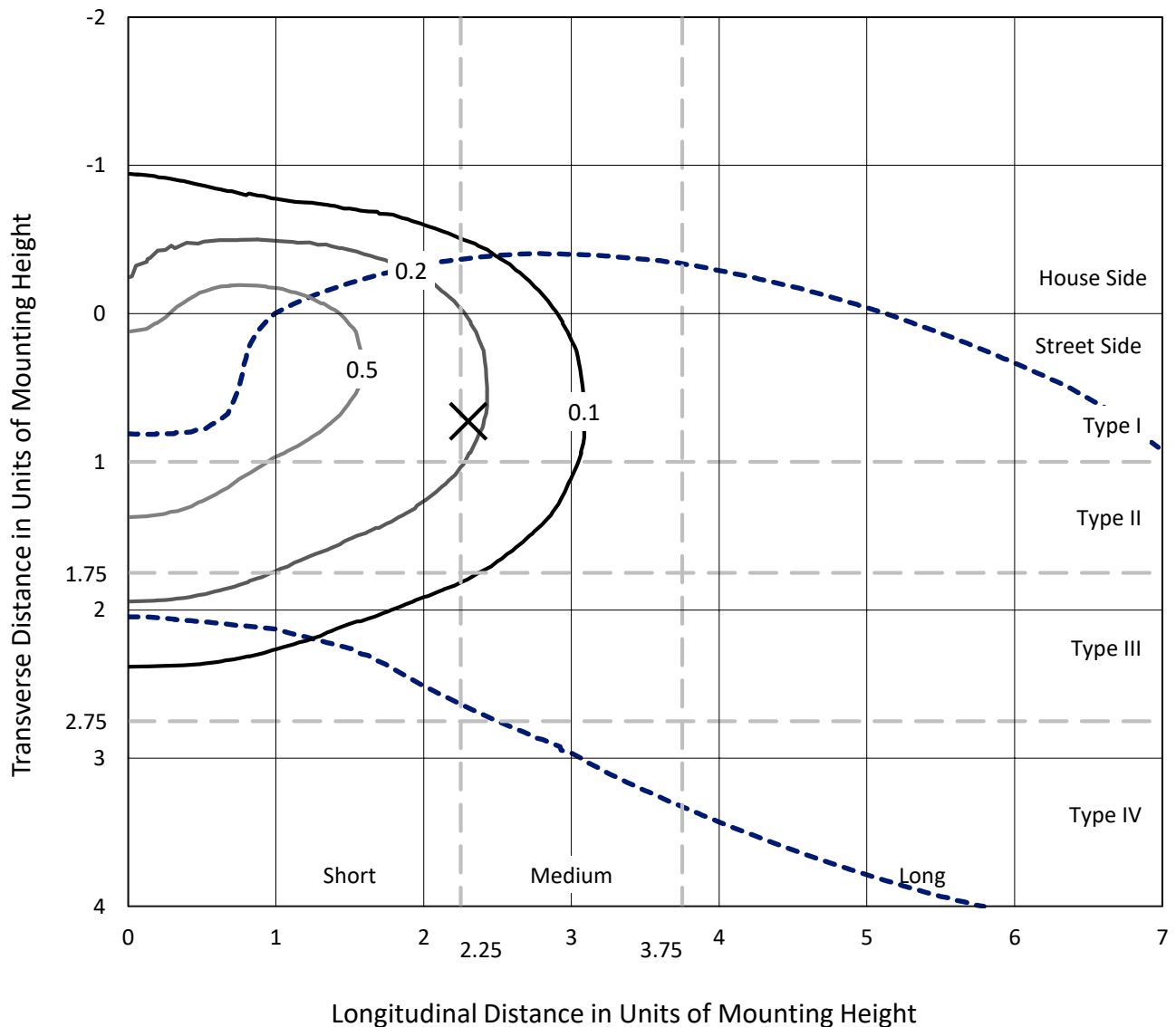
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

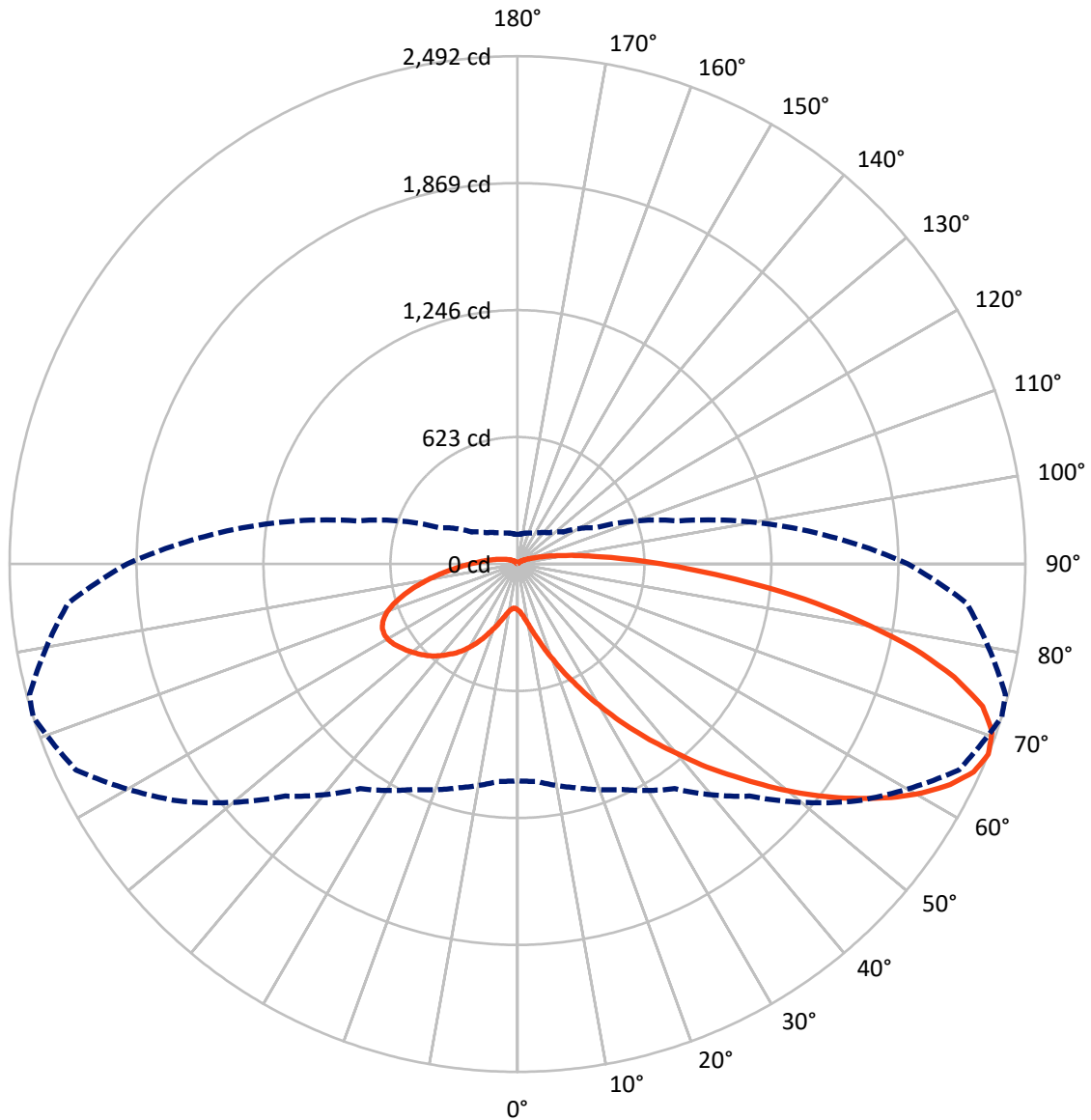
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	1094.9	155.8	1250.7
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	3839.3	301.9	4141.3
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	4934.3	457.7	5392.0
	% Fixture	91.5	8.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.2	0.4
10°-20°	92.0	1.7
20°-30°	222.1	4.1
30°-40°	423.4	7.9
40°-50°	681.5	12.6
50°-60°	943.0	17.5
60°-70°	1083.5	20.1
70°-80°	930.0	17.2
80°-90°	535.5	9.9
90°-100°	242.0	4.5
100°-110°	111.2	2.1
110°-120°	55.9	1.0
120°-130°	29.0	0.5
130°-140°	13.8	0.3
140°-150°	4.7	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4934.3	91.5
0°-180°	5392.0	100.0

**Coefficient of Utilization**



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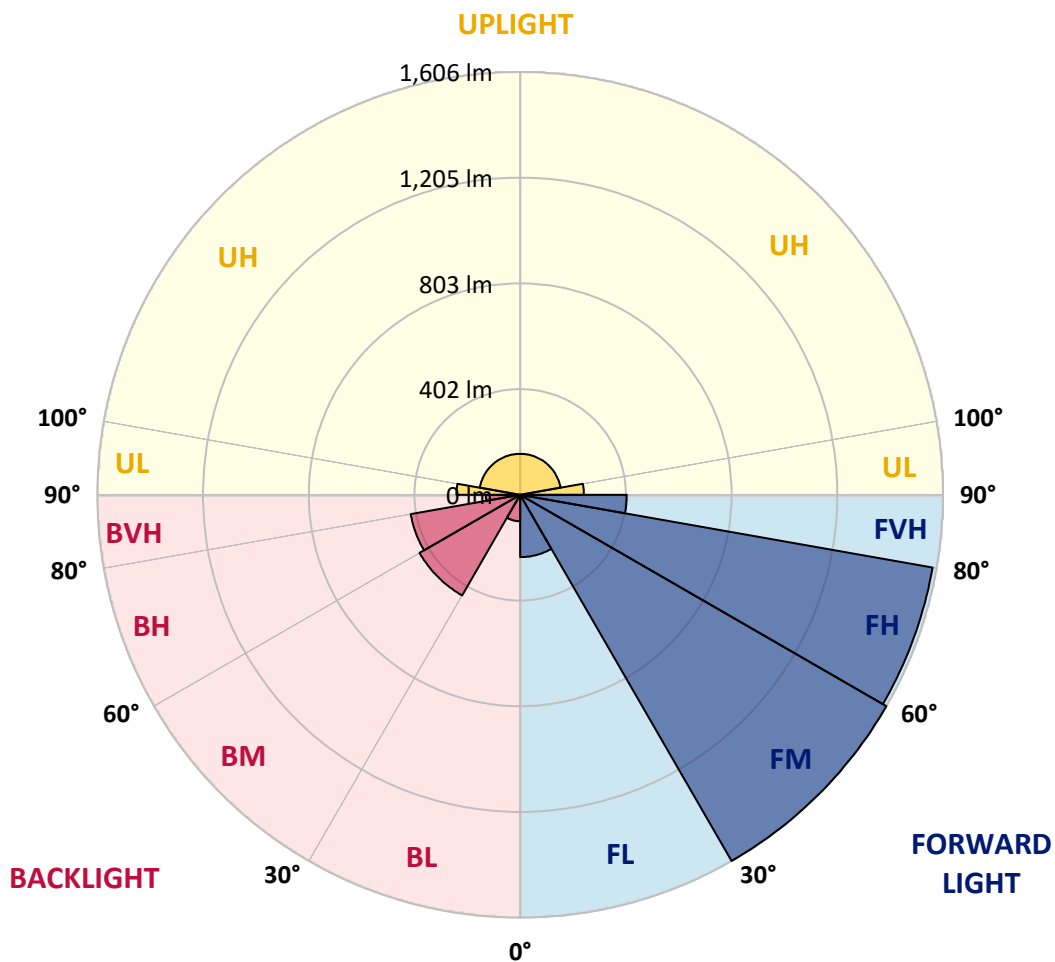
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.8	4.4			
FM	(30°-60°)	1606.5	29.8			
FH	(60°-80°)	1591.3	29.5			G1/1800
FVH	(80°-90°)	404.8	7.5			G3/500
BL	(0°-30°)	100.6	1.9	B0/110		
BM	(30°-60°)	441.5	8.2	B1/1000		
BH	(60°-80°)	422.2	7.8	B1/500		G1/500
BVH	(80°-90°)	130.7	2.4			G2/225
UL	(90°-100°)	242.0	4.5		U3/500	
UH	(100°-180°)	155.8	2.9		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°	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9
2.5°	252.2	251.5	252.2	250.2	248.3	244.4	241.8	236.6	234.0	232.7	227.5
5°	287.8	287.2	286.5	283.9	277.4	272.9	265.1	256.1	250.2	247.6	239.2
7.5°	326.7	325.4	324.1	318.3	313.7	306.0	294.3	282.6	272.9	271.0	255.4
10°	370.8	369.5	366.9	362.4	353.9	342.9	332.5	315.7	303.4	297.5	280.7
12.5°	416.2	418.8	415.5	406.4	396.7	386.3	371.4	355.2	342.3	337.7	311.8
15°	471.3	473.2	470.0	459.6	449.2	433.7	422.0	405.1	387.6	385.1	356.5
17.5°	532.2	531.6	525.1	515.3	506.3	494.0	477.1	461.5	442.1	437.6	402.6
20°	598.3	595.7	589.9	573.7	565.3	551.0	540.6	519.2	500.4	494.0	459.0
22.5°	664.4	663.1	658.0	643.0	632.7	620.4	604.8	585.4	572.4	559.4	520.5
25°	747.4	739.6	733.2	706.6	696.9	685.2	671.6	655.4	643.0	635.9	591.2
27.5°	830.4	824.6	809.6	790.2	771.4	752.6	746.8	732.5	728.6	722.8	672.2
30°	912.7	910.1	893.9	869.3	842.1	823.9	820.7	822.0	816.1	809.0	755.2
32.5°	1006.1	1000.2	982.1	949.0	920.5	899.1	899.1	908.2	913.4	906.2	849.2
35°	1097.5	1092.3	1069.6	1028.7	997.0	971.1	981.4	1002.8	1015.1	1015.1	944.5
37.5°	1194.0	1182.4	1159.0	1116.3	1073.5	1054.7	1066.3	1103.3	1121.4	1121.4	1050.1
40°	1278.3	1277.7	1245.9	1194.7	1152.6	1124.7	1160.3	1209.6	1233.6	1231.6	1156.5
42.5°	1362.6	1361.9	1331.5	1275.1	1221.9	1207.7	1252.4	1321.8	1360.6	1360.6	1264.1
45°	1438.4	1433.2	1407.3	1345.1	1295.8	1289.3	1355.5	1443.6	1483.8	1490.3	1380.7
47.5°	1494.2	1489.6	1467.0	1406.7	1360.0	1371.7	1451.4	1563.5	1618.0	1617.3	1500.0
50°	1531.8	1527.2	1507.8	1455.9	1415.7	1444.9	1555.8	1690.6	1758.7	1763.8	1618.0
52.5°	1542.8	1540.2	1529.8	1487.1	1461.1	1511.0	1653.6	1820.2	1897.4	1901.9	1747.0
55°	1524.0	1524.0	1523.4	1497.4	1487.1	1570.0	1754.8	1946.7	2030.3	2038.7	1874.0
57.5°	1479.9	1481.9	1493.5	1485.1	1500.7	1617.3	1840.3	2060.7	2161.9	2167.1	1987.5
60°	1413.2	1409.3	1435.2	1450.8	1492.9	1647.2	1916.2	2175.5	2281.1	2283.1	2087.3
62.5°	1312.0	1314.0	1351.6	1392.4	1465.0	1659.5	1983.0	2276.0	2382.9	2387.5	2165.1
65°	1192.8	1197.3	1248.5	1317.2	1417.0	1646.5	2021.2	2353.1	2460.1	2454.2	2209.8
67.5°	1063.8	1070.2	1137.0	1220.6	1345.7	1610.2	2027.7	2390.0	2491.8	2478.9	2213.7
70°	922.4	939.3	1006.1	1115.0	1253.7	1540.9	1990.1	2383.6	2470.4	2458.1	2156.0
72.5°	794.1	806.4	879.7	993.1	1150.6	1440.4	1910.4	2309.0	2386.8	2362.2	2035.5
75°	666.4	685.2	754.5	875.8	1039.1	1315.9	1774.9	2165.1	2213.1	2186.5	1855.9
77.5°	557.5	574.3	643.0	759.7	916.6	1185.6	1597.3	1946.7	1986.2	1959.0	1629.0
80°	454.4	473.2	540.0	654.7	801.9	1032.6	1393.7	1691.2	1706.2	1663.4	1378.8
82.5°	379.9	389.6	451.8	552.9	688.4	890.7	1185.0	1419.0	1419.6	1368.4	1120.2
85°	310.5	316.3	373.4	464.8	580.8	752.6	973.0	1142.8	1129.9	1102.0	863.4
87.5°	251.5	257.3	308.6	390.9	488.8	628.1	794.1	899.8	869.3	847.2	670.3
90°	206.1	212.6	254.8	326.1	410.3	518.6	632.0	695.6	668.3	651.5	516.6
92.5°	168.5	175.0	212.0	272.9	347.5	424.6	502.4	532.2	513.4	494.0	389.6
95°	142.6	143.9	177.0	228.2	287.2	342.9	393.5	411.0	385.1	377.9	301.4
97.5°	117.3	121.2	147.1	192.5	239.8	285.9	311.8	320.9	297.5	282.0	230.8
100°	99.8	101.8	124.5	160.8	199.7	232.7	252.8	248.3	227.5	218.5	175.0
102.5°	85.6	87.5	105.7	139.4	169.8	193.8	203.5	196.4	177.0	171.1	137.4
105°	75.2	75.8	90.8	118.0	143.9	164.0	167.9	156.9	138.1	130.3	108.3
107.5°	66.8	67.4	79.1	102.4	124.5	138.1	139.4	127.1	108.9	103.1	86.9
110°	59.6	60.9	69.4	88.8	107.6	118.0	116.7	103.7	86.9	81.7	71.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	53.8	55.1	61.6	77.8	93.3	102.4	99.2	83.6	69.4	66.1	59.0
115°	49.3	50.6	55.7	68.7	82.3	88.8	83.6	69.4	57.0	53.2	49.3
117.5°	46.0	46.7	50.6	60.9	71.3	76.5	70.7	57.7	46.7	44.1	42.1
120°	42.8	43.4	46.7	53.8	62.9	65.5	59.6	47.3	38.9	37.6	36.9
122.5°	40.2	40.2	42.8	48.0	54.5	56.4	50.6	39.5	33.1	31.8	32.4
125°	37.6	37.6	38.9	42.8	47.3	48.6	42.1	33.1	27.9	27.2	28.5
127.5°	35.0	35.0	35.7	38.2	40.8	40.8	35.0	27.2	24.0	23.3	25.3
130°	32.4	32.4	32.4	33.7	35.0	34.4	28.5	22.7	20.7	20.7	22.0
132.5°	29.8	29.8	29.8	29.8	29.2	27.9	23.3	18.2	18.2	18.2	19.4
135°	26.6	26.6	26.6	25.9	24.6	22.7	18.2	14.9	14.9	15.6	16.9
137.5°	24.0	24.0	23.3	22.0	20.1	17.5	14.3	11.7	13.0	13.0	14.3
140°	20.7	20.7	20.1	18.2	15.6	13.0	10.4	9.7	10.4	11.0	12.3
142.5°	17.5	17.5	16.9	14.9	12.3	9.1	7.1	7.1	8.4	8.4	9.7
145°	14.3	14.3	13.6	11.7	8.4	5.8	4.5	5.2	6.5	6.5	7.1
147.5°	11.0	11.0	10.4	8.4	5.8	3.9	2.6	3.9	4.5	4.5	5.2
150°	7.8	7.8	7.1	5.8	3.9	1.9	1.3	1.9	2.6	3.2	3.2
152.5°	5.2	5.2	4.5	3.9	1.9	0.6	1.3	1.9	1.9	1.9	2.6
155°	3.2	2.6	2.6	1.9	0.6	0.0	0.6	1.3	1.3	1.3	1.9
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	1.3	1.3
160°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
162.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
165°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
167.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
170°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
172.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
175°	0.0	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.0	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9	224.9
2.5°	226.2	223.6	219.8	215.9	212.0	209.4	206.8	205.5	203.5	201.6	201.6
5°	234.0	228.8	219.8	210.7	202.2	195.1	188.0	184.1	181.5	178.9	179.6
7.5°	248.3	240.5	225.6	210.7	197.1	185.4	175.7	167.9	162.7	159.5	160.1
10°	268.4	259.9	237.3	215.9	196.4	179.6	165.9	154.9	148.4	145.2	145.2
12.5°	300.1	285.9	256.1	225.6	199.7	177.0	159.5	146.5	137.4	133.5	132.9
15°	338.4	318.3	282.0	244.4	207.4	177.0	154.3	145.2	139.4	136.8	136.1
17.5°	383.8	361.7	311.8	261.9	217.8	180.9	161.4	150.4	143.9	141.3	140.7
20°	433.0	407.1	344.2	283.9	228.2	192.5	168.5	154.9	147.8	145.2	145.2
22.5°	493.3	459.0	379.2	303.4	241.1	202.2	175.7	158.8	152.3	149.7	149.1
25°	555.5	516.6	420.7	324.1	255.4	210.0	180.9	162.7	156.2	153.6	154.3
27.5°	628.8	578.9	461.5	344.9	267.7	214.6	183.5	165.9	159.5	157.5	158.2
30°	705.3	642.4	497.8	366.3	276.1	217.8	185.4	168.5	161.4	160.1	160.1
32.5°	786.3	715.0	535.4	385.1	281.3	218.5	185.4	169.8	162.7	162.1	162.7
35°	869.3	785.0	571.7	400.0	283.9	217.8	184.7	171.1	162.7	162.7	162.7
37.5°	961.3	853.7	602.2	410.3	284.6	215.9	184.1	170.5	162.7	162.7	163.4
40°	1056.0	927.0	635.9	418.8	283.9	214.6	183.5	170.5	162.7	162.7	163.4
42.5°	1150.0	995.0	667.7	423.9	282.6	213.3	182.8	170.5	162.7	161.4	162.1
45°	1251.7	1074.1	698.1	427.2	281.3	212.6	182.8	169.8	162.7	160.1	160.8
47.5°	1346.4	1147.4	722.8	431.1	280.7	212.6	183.5	169.8	162.1	159.5	159.5
50°	1453.3	1223.2	748.1	432.4	279.4	212.6	183.5	169.8	161.4	157.5	158.2
52.5°	1559.0	1299.7	772.7	435.0	279.4	213.3	184.1	169.8	160.8	155.6	155.6
55°	1660.1	1367.8	794.7	436.9	279.4	214.6	186.0	169.8	160.1	153.6	153.6
57.5°	1752.8	1437.8	816.8	437.6	279.4	215.9	186.0	170.5	159.5	151.7	151.7
60°	1835.2	1498.1	832.3	438.2	278.7	217.2	187.3	169.8	158.8	149.7	149.7
62.5°	1893.5	1544.1	840.1	436.3	278.7	217.2	188.0	169.8	158.2	149.1	148.4
65°	1926.6	1560.3	835.6	430.4	277.4	217.2	187.3	169.2	156.9	147.8	147.1
67.5°	1915.5	1542.8	816.1	421.4	274.2	216.5	187.3	167.9	156.9	147.1	145.9
70°	1855.9	1490.3	779.2	407.7	269.7	213.9	184.7	165.9	155.6	146.5	145.2
72.5°	1739.2	1384.6	725.4	386.3	261.9	210.0	181.5	162.7	153.0	144.6	142.6
75°	1577.2	1258.9	659.9	364.3	252.2	204.8	177.6	159.5	149.7	142.0	140.0
77.5°	1369.1	1091.0	587.3	335.8	239.8	197.7	172.4	154.3	145.2	138.1	135.5
80°	1153.2	919.2	508.9	306.0	226.9	188.6	164.7	147.8	139.4	132.9	129.6
82.5°	933.5	755.2	435.6	277.4	212.0	178.3	156.9	140.7	132.9	125.8	122.5
85°	736.4	597.0	365.0	247.6	196.4	167.9	147.8	132.2	125.1	117.3	114.1
87.5°	573.0	473.9	305.3	220.4	179.6	156.2	138.1	123.8	115.4	108.3	105.7
90°	446.6	373.4	255.4	194.5	164.7	144.6	127.7	114.7	106.3	99.2	95.9
92.5°	340.3	295.6	213.9	171.8	149.7	132.9	118.0	105.7	97.2	89.5	86.2
95°	266.4	234.7	180.9	151.0	134.8	120.6	108.3	96.6	87.5	79.1	77.1
97.5°	206.8	188.0	152.3	132.2	121.9	108.9	97.9	87.5	78.4	70.0	68.1
100°	163.4	149.7	129.0	117.3	108.3	97.9	88.2	79.1	69.4	60.3	59.6
102.5°	129.0	123.2	109.6	103.1	95.9	88.2	79.7	70.0	60.3	51.9	51.2
105°	105.7	100.5	94.0	90.1	85.6	78.4	70.7	62.2	52.5	44.7	44.7
107.5°	85.6	83.0	79.7	79.1	75.8	70.0	63.5	55.1	45.4	38.9	38.9
110°	70.0	69.4	69.4	69.4	67.4	62.9	56.4	48.0	38.2	33.7	33.7



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	59.0	59.0	59.6	60.9	59.6	55.1	49.3	41.5	33.1	29.2	29.2
115°	49.9	50.6	52.5	53.2	52.5	49.3	43.4	35.7	27.9	25.3	25.9
117.5°	43.4	43.4	46.0	47.3	46.7	43.4	37.6	30.5	24.0	22.7	22.7
120°	37.6	38.9	40.8	41.5	40.8	37.6	33.1	25.9	20.7	20.1	20.1
122.5°	33.1	33.7	35.7	36.9	35.7	33.1	27.9	22.0	17.5	17.5	18.2
125°	29.2	29.8	31.1	32.4	31.1	27.9	24.0	18.2	15.6	15.6	15.6
127.5°	25.9	26.6	27.9	27.9	26.6	24.0	20.1	15.6	13.0	13.6	13.6
130°	22.7	23.3	24.0	24.0	23.3	20.7	16.9	13.0	11.7	12.3	12.3
132.5°	20.1	20.7	20.7	20.7	19.4	17.5	14.3	11.0	10.4	11.0	11.0
135°	17.5	17.5	18.2	17.5	16.2	14.3	11.0	9.1	9.1	9.7	9.7
137.5°	14.9	15.6	15.6	14.3	13.0	11.0	9.1	7.8	7.8	8.4	8.4
140°	12.3	13.0	12.3	11.7	10.4	9.1	7.1	5.8	6.5	7.1	7.1
142.5°	10.4	10.4	10.4	9.1	7.8	6.5	5.2	5.2	5.8	5.8	6.5
145°	7.8	7.8	7.8	7.1	5.8	4.5	3.9	3.9	4.5	5.2	5.2
147.5°	5.8	5.8	5.8	5.2	3.9	3.2	2.6	3.2	3.9	4.5	3.9
150°	3.9	3.9	3.9	3.2	2.6	1.9	1.9	2.6	3.2	3.2	3.2
152.5°	2.6	2.6	2.6	2.6	1.9	0.6	1.3	1.9	2.6	2.6	2.6
155°	1.9	1.9	1.9	1.9	1.3	0.0	0.6	1.3	1.9	1.9	1.9
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.6	1.3	1.3	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.0
165°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
167.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
170°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
172.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
175°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)