

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: P416130

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5343 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

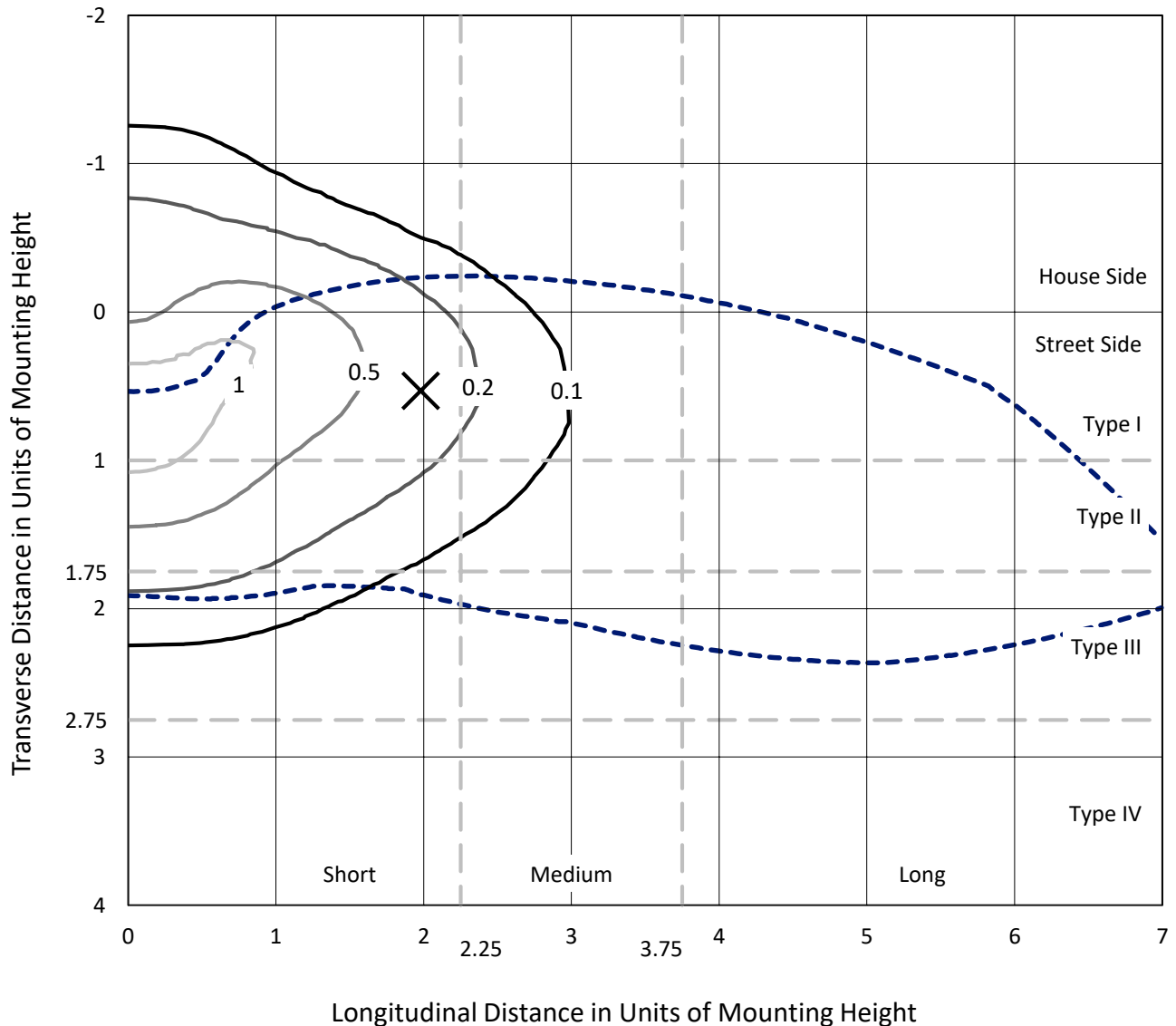
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

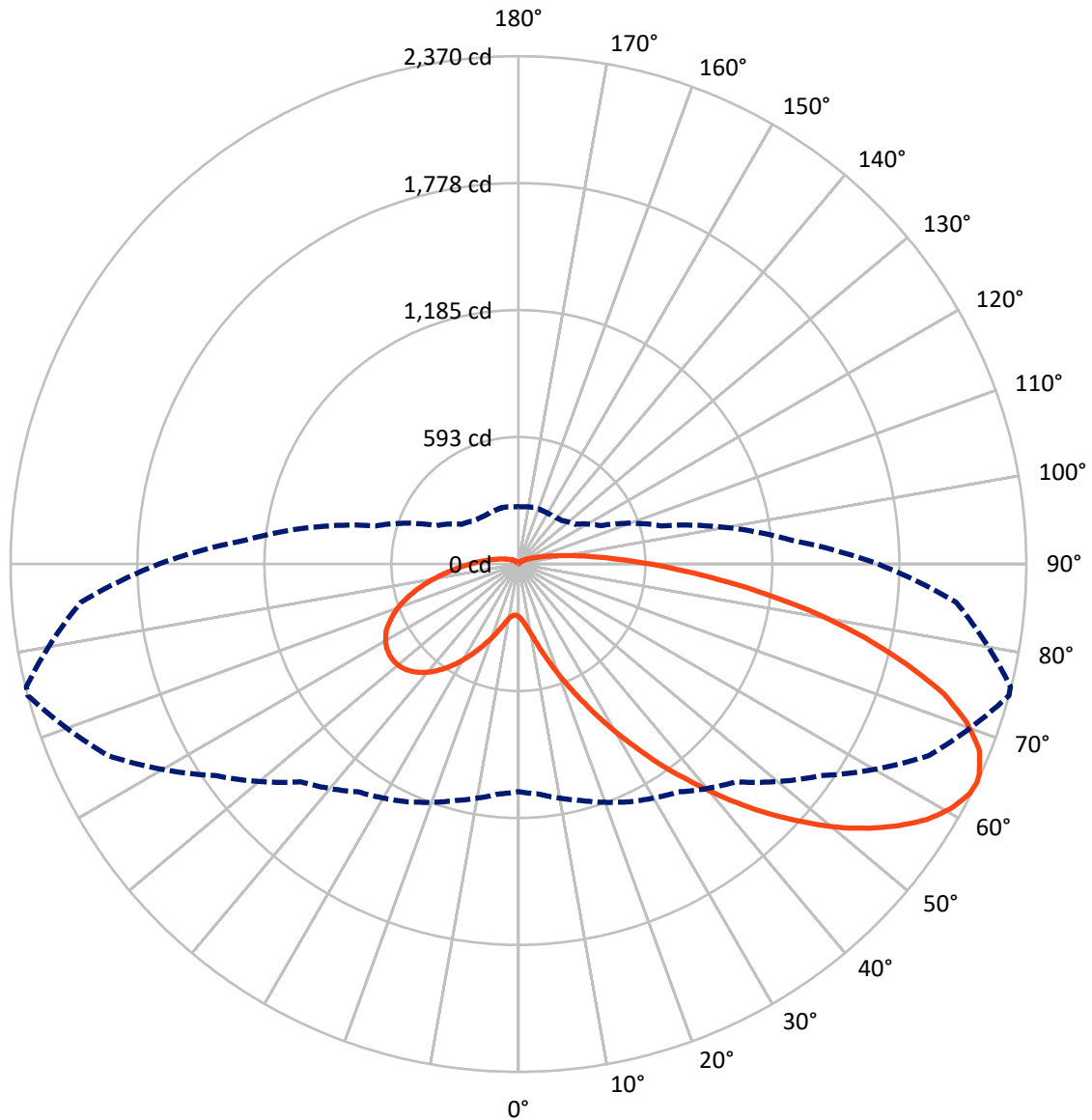


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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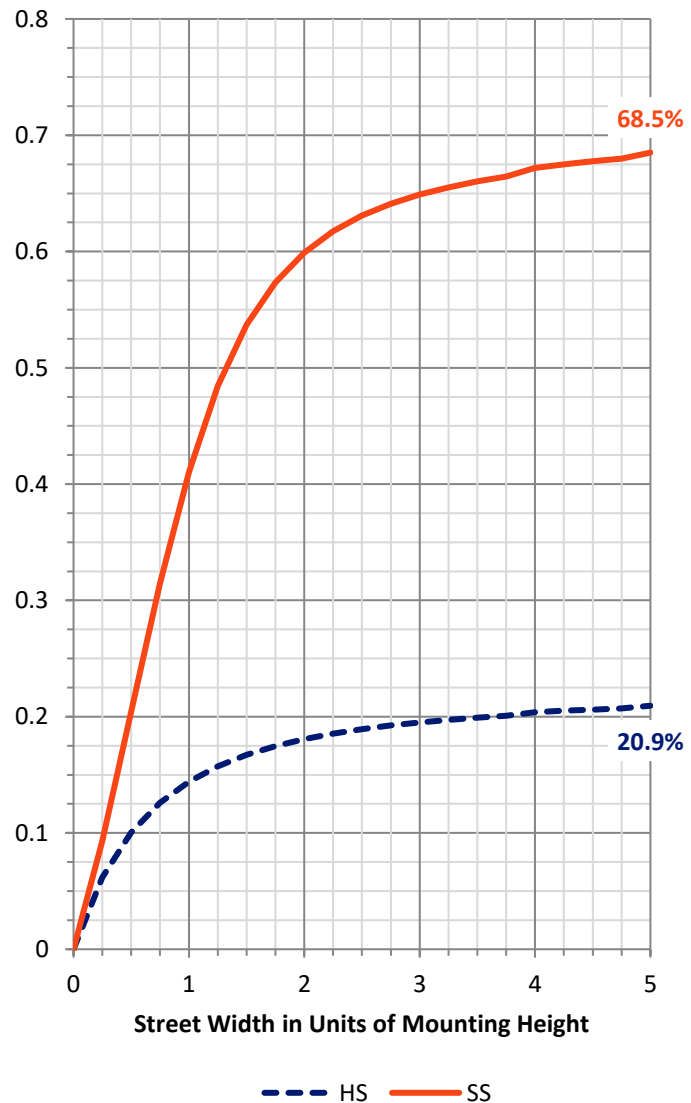
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.4	155.2	1333.6
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3773.2	236.1	4009.3
	% Fixture	70.6	4.4	75.0
Total	Lumens	4951.7	391.3	5343.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.5
10°-20°	107.8	2.0
20°-30°	272.8	5.1
30°-40°	534.3	10.0
40°-50°	831.2	15.6
50°-60°	1019.4	19.1
60°-70°	990.9	18.5
70°-80°	747.3	14.0
80°-90°	422.0	7.9
90°-100°	199.0	3.7
100°-110°	96.1	1.8
110°-120°	50.5	0.9
120°-130°	27.2	0.5
130°-140°	13.3	0.2
140°-150°	4.6	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4951.7	92.7
0°-180°	5343.0	100.0



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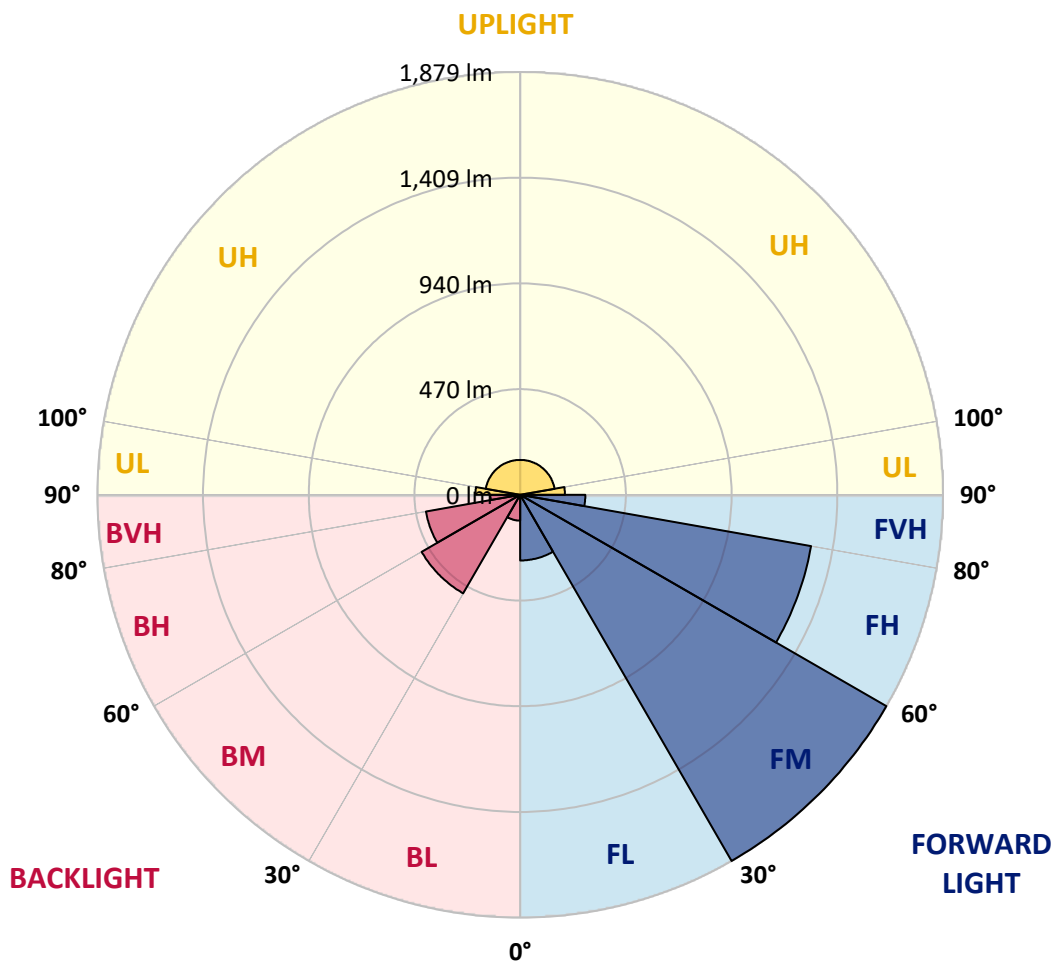
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.9	5.5			
FM	(30°-60°)	1879.1	35.2			
FH	(60°-80°)	1312.8	24.6			G1/1800
FVH	(80°-90°)	289.4	5.4			G3/500
BL	(0°-30°)	114.6	2.1	B1/500		
BM	(30°-60°)	505.8	9.5	B1/1000		
BH	(60°-80°)	425.5	8.0	B1/500		G1/500
BVH	(80°-90°)	132.6	2.5			G2/225
UL	(90°-100°)	199.0	3.7		U3/500	
UH	(100°-180°)	155.2	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3
2.5°	287.2	284.6	283.3	282.6	278.1	273.6	268.4	263.2	257.4	256.1	250.9
5°	331.9	328.7	327.4	323.5	317.0	309.2	298.2	287.8	274.9	275.5	263.8
7.5°	383.1	380.5	376.6	370.8	361.1	350.7	334.5	319.0	301.4	299.5	282.6
10°	441.5	439.5	435.6	426.6	414.2	396.7	380.5	357.2	332.6	331.3	306.6
12.5°	511.5	508.9	497.9	488.8	472.6	456.4	431.8	403.9	377.3	374.1	343.6
15°	590.6	586.7	578.9	564.6	547.1	520.6	494.6	466.8	431.8	425.9	390.3
17.5°	671.6	671.6	661.9	645.0	621.0	597.7	569.2	534.2	490.1	489.4	442.1
20°	773.4	772.1	757.2	732.6	708.6	683.9	649.6	610.0	560.8	556.2	498.5
22.5°	883.6	882.3	864.2	837.6	806.5	771.5	733.2	691.7	637.9	632.1	564.6
25°	1002.9	1002.2	983.4	942.6	903.1	870.0	830.4	784.4	722.2	720.9	639.8
27.5°	1148.1	1141.0	1111.8	1061.9	1012.0	969.2	923.1	881.7	819.4	809.7	719.6
30°	1288.1	1284.2	1244.7	1190.9	1122.2	1065.8	1019.1	987.3	923.1	914.1	812.9
32.5°	1432.7	1430.1	1382.1	1319.9	1235.0	1165.0	1128.7	1094.3	1032.7	1028.8	905.0
35°	1592.8	1582.4	1527.3	1441.8	1343.2	1264.8	1232.4	1216.8	1155.9	1141.6	1006.1
37.5°	1723.8	1716.0	1666.1	1561.7	1445.7	1361.4	1336.7	1326.4	1273.9	1268.0	1115.7
40°	1850.2	1844.3	1783.4	1670.6	1538.4	1454.1	1429.5	1447.0	1404.8	1395.7	1225.9
42.5°	1941.6	1933.8	1877.4	1757.5	1618.7	1529.9	1529.3	1569.5	1539.0	1529.3	1340.0
45°	1996.0	1988.3	1941.6	1826.2	1681.6	1596.1	1611.0	1681.6	1672.6	1660.9	1444.4
47.5°	2001.2	1996.7	1963.0	1856.0	1719.9	1647.9	1690.7	1791.8	1801.6	1790.5	1555.9
50°	1953.9	1958.4	1937.1	1852.1	1733.5	1681.6	1755.5	1896.2	1931.9	1918.9	1666.7
52.5°	1864.4	1859.3	1868.3	1808.0	1719.2	1693.3	1799.6	1983.7	2049.2	2036.2	1769.1
55°	1715.3	1719.2	1751.0	1728.3	1674.5	1679.7	1826.2	2053.1	2155.5	2145.2	1861.9
57.5°	1558.5	1549.4	1606.4	1610.3	1595.4	1643.4	1829.4	2105.6	2249.5	2238.5	1941.6
60°	1353.0	1375.0	1426.2	1470.3	1496.2	1583.1	1808.0	2132.8	2318.2	2315.0	2005.8
62.5°	1175.3	1179.9	1249.2	1316.0	1378.2	1498.2	1760.7	2132.2	2363.0	2359.1	2044.0
64°	1062.5	1077.4	1142.9	1223.9	1298.5	1437.2	1721.8	2114.0	2370.1	2366.9	2050.5
65°	1000.9	999.0	1077.4	1159.1	1239.5	1391.2	1682.3	2094.6	2363.6	2363.6	2047.9
67.5°	831.7	838.2	906.9	1000.9	1100.1	1269.3	1581.1	2025.2	2320.8	2325.4	2010.3
70°	685.9	695.6	770.8	854.4	964.0	1146.8	1456.0	1900.1	2220.4	2226.8	1929.3
72.5°	565.9	577.0	632.1	716.3	837.6	1017.8	1314.7	1743.2	2078.4	2081.0	1793.8
75°	460.3	472.6	528.3	601.6	706.6	879.1	1160.4	1572.7	1871.6	1884.5	1618.7
77.5°	374.7	387.7	438.9	505.0	604.8	752.0	1007.4	1375.6	1651.8	1659.6	1418.4
80°	302.7	316.4	361.7	424.0	510.8	640.5	864.2	1174.0	1414.5	1414.5	1212.3
82.5°	245.7	257.4	298.2	352.0	431.1	540.7	726.1	975.7	1169.5	1170.1	1001.6
85°	198.4	205.5	245.7	293.0	358.5	453.1	600.3	794.1	943.2	929.6	807.1
87.5°	159.5	166.0	199.7	245.7	297.6	377.9	492.7	646.3	741.6	746.2	644.4
90°	128.4	132.2	163.4	202.3	250.2	312.5	400.6	514.1	583.4	577.6	505.0
92.5°	104.4	108.9	135.5	170.5	210.7	262.6	330.0	407.1	451.8	453.1	394.8
95°	85.6	88.2	112.8	143.9	180.2	219.8	269.0	324.1	354.6	350.7	307.3
97.5°	71.3	72.6	95.3	123.2	153.0	185.4	224.3	258.0	274.9	272.3	240.5
100°	60.3	61.6	81.0	107.0	132.2	158.2	185.4	208.1	213.9	210.7	189.3
102.5°	52.5	53.2	69.4	92.7	114.1	135.5	154.3	168.6	167.9	167.9	149.8
105°	46.0	46.7	60.3	81.0	100.5	117.3	130.3	137.4	134.8	133.5	119.9
107.5°	41.5	42.1	53.2	71.3	88.8	101.8	111.5	113.4	108.3	107.0	97.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	37.6	37.6	46.7	62.9	78.4	88.8	95.3	95.3	87.5	86.9	80.4
112.5°	34.4	35.0	42.1	55.8	69.4	78.4	82.3	79.1	72.0	71.3	68.1
115°	31.8	32.4	37.6	49.9	61.6	69.4	71.3	66.8	59.6	59.0	56.4
117.5°	29.8	30.5	34.4	44.1	55.1	60.9	61.6	57.0	49.9	49.3	48.6
120°	28.5	28.5	31.8	39.5	48.6	53.8	53.2	48.6	42.8	42.1	42.1
122.5°	27.2	27.2	29.2	35.0	42.8	47.3	46.7	41.5	36.3	36.3	36.3
125°	25.9	25.9	27.2	31.8	38.2	41.5	40.2	35.7	31.1	31.1	32.4
127.5°	24.6	24.6	25.3	27.9	33.7	35.7	34.4	29.8	27.2	27.2	27.9
130°	23.3	23.3	23.3	25.3	29.2	30.5	29.2	25.3	23.3	23.3	24.6
132.5°	22.0	22.0	22.0	22.0	24.6	25.9	24.0	20.7	20.1	20.7	21.4
135°	20.7	20.7	20.1	19.4	20.7	21.4	19.4	17.5	17.5	17.5	18.8
137.5°	19.4	18.8	18.2	17.5	16.9	16.9	15.6	13.6	14.9	14.9	16.2
140°	17.5	16.9	16.2	14.9	13.6	13.0	11.7	11.0	12.3	12.3	13.0
142.5°	15.6	14.9	14.3	12.3	10.4	9.1	7.8	8.4	9.7	9.7	10.4
145°	13.0	13.0	11.7	9.7	7.8	6.5	5.2	5.8	7.1	7.1	7.8
147.5°	11.0	10.4	9.7	7.8	5.2	3.9	2.6	3.9	5.2	5.2	5.8
150°	8.4	7.8	7.1	5.2	3.2	1.3	1.3	2.6	3.2	3.2	3.9
152.5°	5.8	5.8	5.2	3.2	1.3	0.0	0.6	1.3	1.9	1.9	2.6
155°	3.9	3.2	2.6	1.9	0.6	0.0	0.0	0.6	1.3	1.3	1.3
157.5°	1.9	1.9	1.3	1.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3
2.5°	247.6	245.0	239.2	234.0	228.8	224.3	221.7	218.5	217.8	217.2	217.2
5°	256.7	250.9	239.2	228.2	217.8	209.4	202.9	196.4	193.2	191.9	191.2
7.5°	272.3	263.2	244.4	227.5	212.0	199.0	188.6	180.9	176.3	173.7	173.1
10°	293.7	280.7	254.8	231.4	210.7	193.8	180.9	171.8	166.0	163.4	162.7
12.5°	327.4	306.6	274.2	241.2	213.9	193.2	178.3	168.6	166.0	163.4	163.4
15°	365.6	344.9	300.2	259.3	224.3	197.1	184.1	177.6	173.7	171.8	171.1
17.5°	414.9	383.1	329.3	278.8	237.3	211.3	194.5	187.4	183.5	181.5	180.9
20°	465.5	427.9	361.7	300.2	254.8	228.2	208.1	197.1	193.2	191.2	190.6
22.5°	525.8	480.4	395.4	322.8	274.9	243.8	221.1	208.1	203.6	201.6	202.3
25°	587.3	538.7	431.8	346.8	293.7	256.7	233.4	218.5	215.2	212.6	212.6
27.5°	662.5	597.7	468.7	374.1	309.9	268.4	244.4	229.5	223.7	223.7	223.0
30°	741.6	660.6	508.9	397.4	324.1	278.8	252.8	239.2	233.4	232.7	232.7
32.5°	818.8	728.0	548.4	420.7	335.2	285.9	260.6	247.6	240.5	239.9	240.5
35°	908.9	796.7	585.4	439.5	344.9	291.7	266.4	254.8	247.0	246.3	246.3
37.5°	994.5	867.4	621.0	454.4	351.4	295.6	271.0	260.6	252.2	251.5	250.9
40°	1083.9	934.2	653.5	466.8	354.6	298.2	273.6	264.5	256.7	254.1	254.1
42.5°	1174.7	1001.6	680.7	473.9	356.6	298.9	275.5	267.1	260.0	255.4	255.4
45°	1259.6	1059.3	703.4	477.8	356.6	299.5	276.8	269.0	262.6	256.7	256.1
47.5°	1353.0	1117.6	720.9	478.4	354.6	298.2	277.5	271.0	263.8	257.4	256.7
50°	1434.6	1172.7	731.9	476.5	352.0	297.6	278.1	271.6	265.8	258.0	258.0
52.5°	1506.6	1216.8	737.1	471.3	348.8	296.3	278.1	272.9	267.7	259.3	258.7
55°	1570.1	1251.2	736.4	463.5	343.6	294.3	277.5	272.9	269.0	260.0	260.0
57.5°	1624.6	1275.2	730.6	454.4	338.4	293.0	277.5	273.6	270.3	261.9	261.9
60°	1661.5	1288.8	718.9	443.4	333.2	290.4	276.8	274.2	272.3	263.8	264.5
62.5°	1679.0	1286.8	700.8	431.8	327.4	287.8	275.5	273.6	272.9	266.4	266.4
64°	1677.7	1277.8	688.5	423.3	323.5	286.5	274.9	272.9	273.6	267.7	267.7
65°	1669.3	1264.8	675.5	416.8	320.2	285.2	273.6	272.3	273.6	267.7	267.7
67.5°	1628.5	1224.6	642.4	400.6	311.8	279.4	269.7	269.0	271.0	267.1	266.4
70°	1547.4	1161.1	606.8	379.9	301.4	272.9	263.8	263.2	265.8	262.6	261.3
72.5°	1437.2	1072.9	563.4	358.5	289.1	263.8	256.1	255.4	256.7	254.8	252.8
75°	1298.5	969.2	514.7	334.5	275.5	252.2	245.0	243.8	245.7	243.1	241.8
77.5°	1144.2	854.4	463.5	309.2	258.0	239.2	232.1	230.1	230.1	226.9	223.7
80°	974.4	737.1	412.3	283.3	239.9	223.0	217.2	214.6	212.6	207.4	204.2
82.5°	813.6	626.9	359.8	256.7	220.4	205.5	199.7	196.4	191.9	185.4	180.9
85°	661.9	521.9	311.8	228.2	201.0	186.7	182.2	176.3	170.5	163.4	157.5
87.5°	531.6	427.2	269.0	202.9	178.9	167.9	162.7	154.9	149.1	141.3	136.1
90°	422.0	350.1	230.1	178.3	159.5	149.8	145.2	137.4	129.0	120.6	116.0
92.5°	340.3	285.2	198.4	157.5	142.6	134.2	128.4	120.6	110.9	102.4	99.2
95°	270.3	230.8	169.2	139.4	126.4	118.6	112.8	105.7	95.3	85.6	83.0
97.5°	213.9	189.9	144.6	122.5	112.2	105.7	99.2	92.7	82.3	72.6	71.3
100°	171.8	154.3	123.8	108.3	99.2	93.4	88.2	81.0	71.3	60.9	60.9
102.5°	138.7	127.7	106.3	95.3	88.2	83.0	77.8	71.3	61.6	52.5	51.9
105°	113.4	105.7	91.4	84.3	78.4	74.6	69.4	62.2	53.2	44.7	44.1
107.5°	94.6	87.5	79.1	74.6	70.0	66.1	62.2	55.1	46.0	38.9	38.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77.8	75.2	68.7	65.5	62.9	59.0	55.1	48.0	39.5	34.4	34.4
112.5°	66.1	63.5	60.3	58.3	55.8	53.2	48.6	42.1	34.4	30.5	30.5
115°	55.8	54.5	52.5	51.2	49.9	47.3	42.8	36.3	29.2	26.6	27.2
117.5°	48.6	48.0	46.7	46.0	44.7	41.5	37.6	31.8	25.3	24.0	24.0
120°	42.1	42.1	40.8	40.8	39.5	37.0	32.4	27.2	22.0	21.4	21.4
122.5°	37.0	37.0	36.3	36.3	35.0	32.4	28.5	23.3	18.8	18.8	19.4
125°	32.4	32.4	31.8	31.8	31.1	28.5	24.6	20.1	16.9	16.9	16.9
127.5°	28.5	28.5	28.5	27.9	26.6	24.6	20.7	16.9	14.9	14.9	14.9
130°	25.3	25.3	24.6	24.6	23.3	20.7	17.5	14.3	12.3	13.6	13.6
132.5°	22.0	22.0	22.0	20.7	19.4	17.5	14.3	11.7	11.0	11.7	11.7
135°	18.8	19.4	18.8	18.2	16.9	14.3	11.7	9.7	9.7	10.4	10.4
137.5°	16.2	16.2	16.2	14.9	13.6	11.7	9.1	7.8	8.4	9.1	9.1
140°	13.6	13.6	13.0	12.3	11.0	9.1	7.1	5.8	7.1	7.8	7.8
142.5°	11.0	11.0	10.4	9.7	7.8	6.5	4.5	4.5	5.8	6.5	6.5
145°	8.4	8.4	7.8	7.1	5.8	3.9	3.2	3.9	5.2	5.2	5.2
147.5°	5.8	5.8	5.8	4.5	3.2	1.9	1.3	2.6	3.9	3.9	4.5
150°	3.9	3.9	3.9	3.2	1.9	0.6	0.6	1.9	2.6	3.2	3.2
152.5°	2.6	2.6	2.6	1.9	1.3	0.0	0.0	1.3	1.9	1.9	1.9
155°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	0.6	1.3	1.3	1.3
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	1.3	0.6	0.6
160°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.6	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)