

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: P414050

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414050
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-PA1-100-830-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7151 lumens
Efficiency: N/A
Efficacy: 74.5 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: B2 - U3 - G3

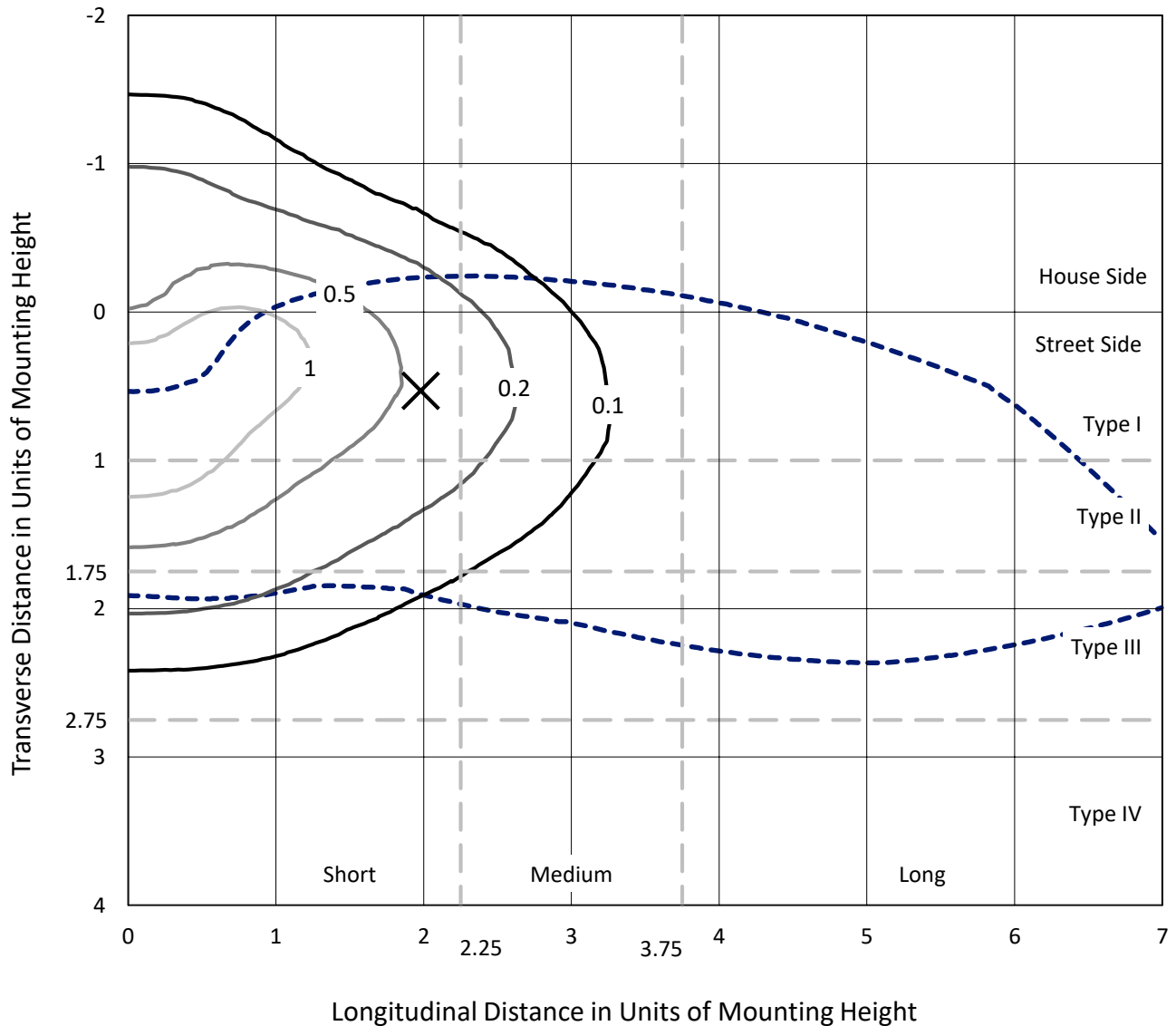
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

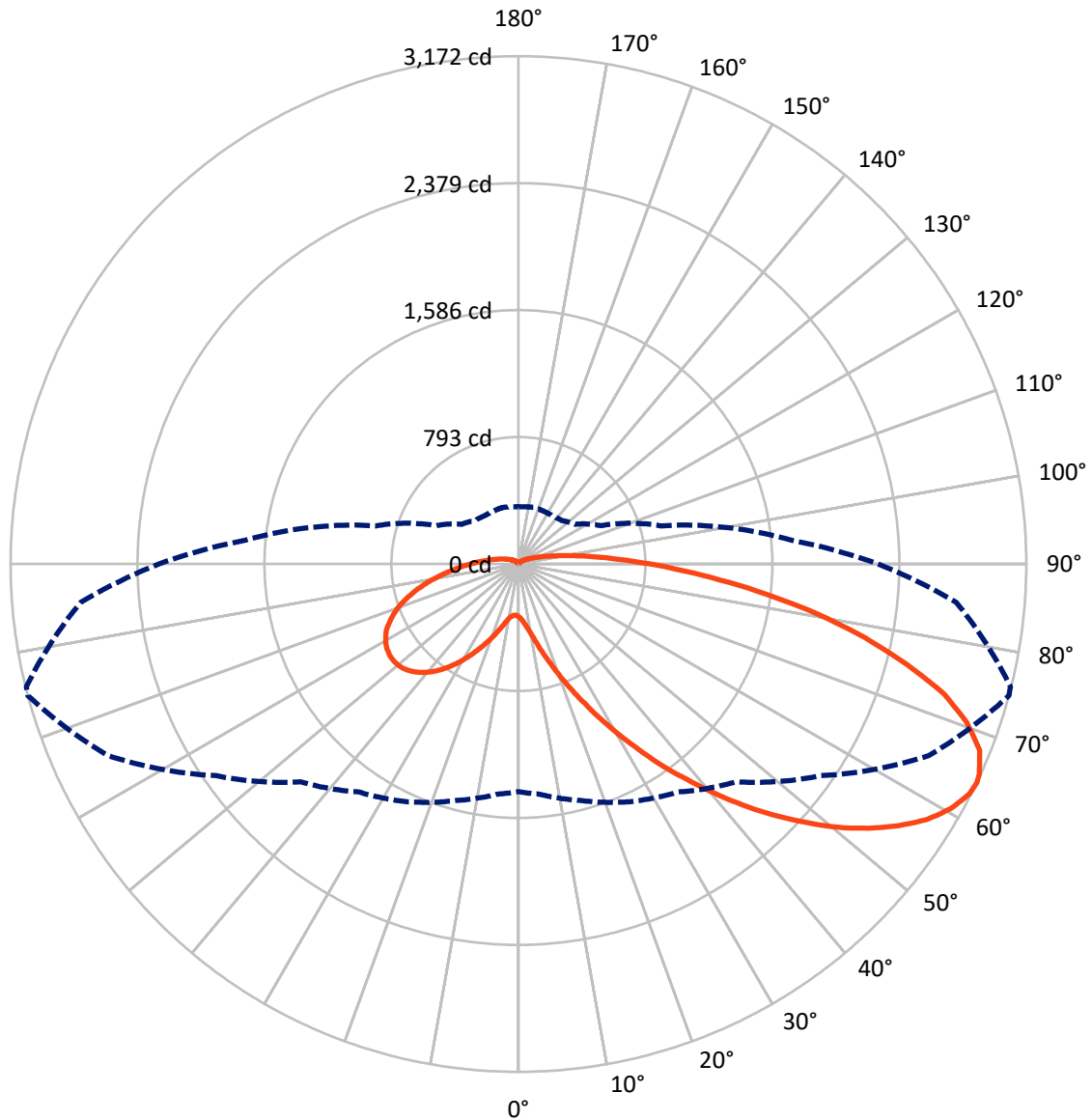
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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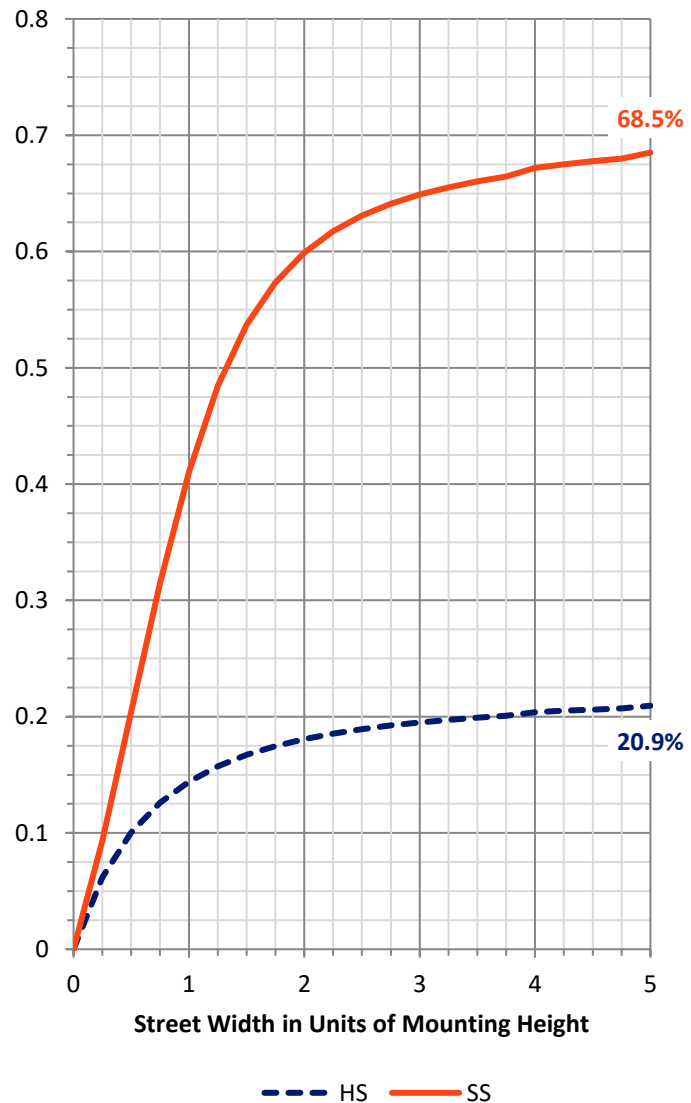
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1577.2	207.7	1784.9
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5050.0	316.0	5366.0
	% Fixture	70.6	4.4	75.0
Total	Lumens	6627.3	523.7	7151.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	0.5
10°-20°	144.3	2.0
20°-30°	365.1	5.1
30°-40°	715.1	10.0
40°-50°	1112.5	15.6
50°-60°	1364.3	19.1
60°-70°	1326.3	18.5
70°-80°	1000.2	14.0
80°-90°	564.8	7.9
90°-100°	266.4	3.7
100°-110°	128.7	1.8
110°-120°	67.5	0.9
120°-130°	36.3	0.5
130°-140°	17.8	0.2
140°-150°	6.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6627.3	92.7
0°-180°	7151.0	100.0

Coefficient of Utilization



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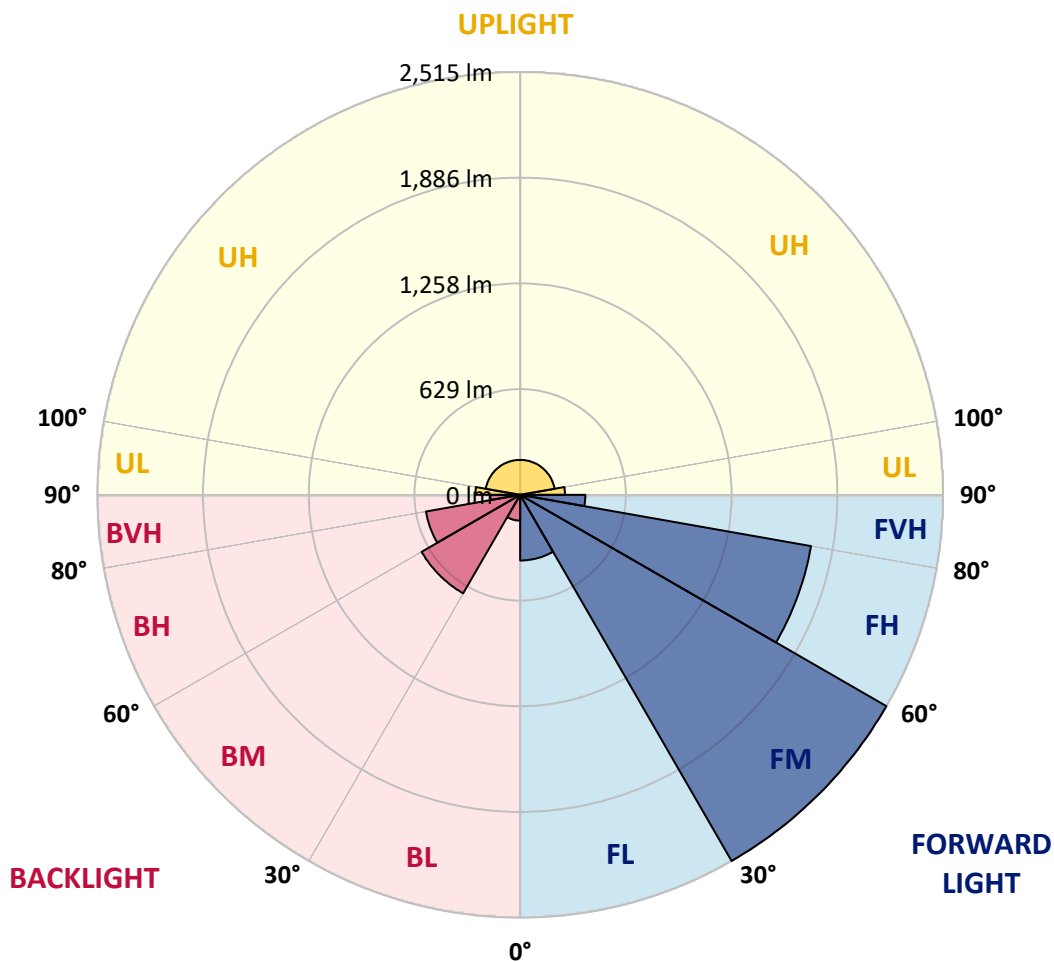
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.7	5.5			
FM	(30°-60°)	2515.0	35.2			
FH	(60°-80°)	1757.0	24.6			G1/1800
FVH	(80°-90°)	387.3	5.4			G3/500
BL	(0°-30°)	153.4	2.1	B1/500		
BM	(30°-60°)	676.9	9.5	B1/1000		
BH	(60°-80°)	569.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	177.4	2.5			G2/225
UL	(90°-100°)	266.4	3.7		U3/500	
UH	(100°-180°)	207.7	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7
2.5°	384.4	380.9	379.2	378.3	372.2	366.1	359.2	352.3	344.5	342.7	335.8
5°	444.2	439.9	438.2	433.0	424.3	413.9	399.1	385.2	367.9	368.7	353.1
7.5°	512.8	509.3	504.1	496.3	483.3	469.4	447.7	426.9	403.5	400.9	378.3
10°	590.9	588.3	583.1	570.9	554.4	531.0	509.3	478.1	445.1	443.4	410.4
12.5°	684.6	681.1	666.4	654.2	632.5	610.8	577.9	540.5	505.0	500.6	459.9
15°	790.4	785.2	774.8	755.7	732.3	696.7	662.0	624.7	577.9	570.0	522.3
17.5°	898.9	898.9	885.9	863.3	831.2	800.0	761.8	714.9	655.9	655.1	591.7
20°	1035.1	1033.4	1013.4	980.4	948.3	915.4	869.4	816.5	750.5	744.4	667.2
22.5°	1182.6	1180.9	1156.6	1121.0	1079.4	1032.5	981.3	925.8	853.8	846.0	755.7
25°	1342.2	1341.4	1316.2	1261.6	1208.6	1164.4	1111.5	1049.9	966.6	964.8	856.4
27.5°	1536.6	1527.1	1488.0	1421.2	1354.4	1297.1	1235.5	1180.0	1096.7	1083.7	963.1
30°	1724.0	1718.8	1665.9	1593.9	1501.9	1426.4	1363.9	1321.4	1235.5	1223.4	1088.0
32.5°	1917.5	1914.0	1849.8	1766.5	1652.9	1559.2	1510.6	1464.6	1382.2	1377.0	1211.2
35°	2131.8	2117.9	2044.2	1929.6	1797.8	1692.8	1649.4	1628.6	1547.0	1527.9	1346.6
37.5°	2307.1	2296.7	2229.9	2090.2	1934.9	1822.1	1789.1	1775.2	1704.9	1697.1	1493.2
40°	2476.3	2468.5	2386.9	2235.9	2058.9	1946.1	1913.2	1936.6	1880.2	1868.0	1640.7
42.5°	2598.6	2588.2	2512.7	2352.2	2166.5	2047.6	2046.8	2100.6	2059.8	2046.8	1793.4
45°	2671.5	2661.1	2598.6	2444.2	2250.7	2136.1	2156.1	2250.7	2238.5	2222.9	1933.1
47.5°	2678.4	2672.3	2627.2	2484.1	2301.9	2205.6	2262.8	2398.2	2411.2	2396.4	2082.4
50°	2615.1	2621.2	2592.5	2478.9	2320.1	2250.7	2349.6	2537.9	2585.6	2568.2	2230.7
52.5°	2495.4	2488.4	2500.6	2419.9	2301.0	2266.3	2408.6	2655.0	2742.6	2725.3	2367.8
55°	2295.8	2301.0	2343.5	2313.1	2241.1	2248.1	2444.2	2747.8	2884.9	2871.0	2491.9
57.5°	2085.8	2073.7	2150.0	2155.2	2135.3	2199.5	2448.5	2818.1	3010.7	2996.0	2598.6
60°	1810.8	1840.3	1908.8	1967.8	2002.5	2118.8	2419.9	2854.6	3102.7	3098.4	2684.5
62.5°	1573.0	1579.1	1672.0	1761.3	1844.6	2005.1	2356.5	2853.7	3162.6	3157.4	2735.7
64°	1422.1	1442.0	1529.7	1638.1	1737.9	1923.6	2304.5	2829.4	3172.1	3167.8	2744.4
65°	1339.6	1337.0	1442.0	1551.4	1658.9	1862.0	2251.5	2803.4	3163.4	3163.4	2740.9
67.5°	1113.2	1121.9	1213.8	1339.6	1472.4	1698.9	2116.2	2710.5	3106.2	3112.2	2690.6
70°	918.0	931.0	1031.6	1143.6	1290.2	1534.9	1948.7	2543.1	2971.7	2980.4	2582.1
72.5°	757.5	772.2	846.0	958.7	1121.0	1362.2	1759.6	2333.1	2781.7	2785.1	2400.8
75°	616.0	632.5	707.1	805.2	945.7	1176.5	1553.1	2104.9	2504.9	2522.2	2166.5
77.5°	501.5	518.9	587.4	675.9	809.5	1006.5	1348.3	1841.1	2210.8	2221.2	1898.4
80°	405.2	423.4	484.1	567.4	683.7	857.2	1156.6	1571.3	1893.2	1893.2	1622.5
82.5°	328.8	344.5	399.1	471.1	577.0	723.6	971.8	1305.8	1565.2	1566.1	1340.5
85°	265.5	275.0	328.8	392.2	479.8	606.5	803.4	1062.9	1262.4	1244.2	1080.2
87.5°	213.4	222.1	267.2	328.8	398.2	505.8	659.4	865.0	992.6	998.7	862.4
90°	171.8	177.0	218.6	270.7	334.9	418.2	536.2	688.0	780.9	773.1	675.9
92.5°	139.7	145.8	181.3	228.2	282.0	351.4	441.6	544.9	604.7	606.5	528.4
95°	114.5	118.0	151.0	192.6	241.2	294.1	360.1	433.8	474.6	469.4	411.3
97.5°	95.4	97.2	127.5	164.9	204.8	248.1	300.2	345.3	367.9	364.4	321.9
100°	80.7	82.4	108.5	143.2	177.0	211.7	248.1	278.5	286.3	282.0	253.4
102.5°	70.3	71.1	92.8	124.1	152.7	181.3	206.5	225.6	224.7	224.7	200.4
105°	61.6	62.5	80.7	108.5	134.5	157.0	174.4	183.9	180.5	178.7	160.5
107.5°	55.5	56.4	71.1	95.4	118.9	136.2	149.2	151.8	144.9	143.2	130.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	50.3	50.3	62.5	84.2	105.0	118.9	127.5	127.5	117.1	116.3	107.6
112.5°	46.0	46.9	56.4	74.6	92.8	105.0	110.2	105.9	96.3	95.4	91.1
115°	42.5	43.4	50.3	66.8	82.4	92.8	95.4	89.4	79.8	79.0	75.5
117.5°	39.9	40.8	46.0	59.0	73.7	81.6	82.4	76.4	66.8	65.9	65.1
120°	38.2	38.2	42.5	52.9	65.1	72.0	71.1	65.1	57.3	56.4	56.4
122.5°	36.4	36.4	39.0	46.9	57.3	63.3	62.5	55.5	48.6	48.6	48.6
125°	34.7	34.7	36.4	42.5	51.2	55.5	53.8	47.7	41.6	41.6	43.4
127.5°	33.0	33.0	33.8	37.3	45.1	47.7	46.0	39.9	36.4	36.4	37.3
130°	31.2	31.2	31.2	33.8	39.0	40.8	39.0	33.8	31.2	31.2	33.0
132.5°	29.5	29.5	29.5	29.5	33.0	34.7	32.1	27.8	26.9	27.8	28.6
135°	27.8	27.8	26.9	26.0	27.8	28.6	26.0	23.4	23.4	23.4	25.2
137.5°	26.0	25.2	24.3	23.4	22.6	22.6	20.8	18.2	20.0	20.0	21.7
140°	23.4	22.6	21.7	20.0	18.2	17.4	15.6	14.7	16.5	16.5	17.4
142.5°	20.8	20.0	19.1	16.5	13.9	12.1	10.4	11.3	13.0	13.0	13.9
145°	17.4	17.4	15.6	13.0	10.4	8.7	6.9	7.8	9.5	9.5	10.4
147.5°	14.7	13.9	13.0	10.4	6.9	5.2	3.5	5.2	6.9	6.9	7.8
150°	11.3	10.4	9.5	6.9	4.3	1.7	1.7	3.5	4.3	4.3	5.2
152.5°	7.8	7.8	6.9	4.3	1.7	0.0	0.9	1.7	2.6	2.6	3.5
155°	5.2	4.3	3.5	2.6	0.9	0.0	0.0	0.9	1.7	1.7	1.7
157.5°	2.6	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	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°	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7	329.7
2.5°	331.4	328.0	320.2	313.2	306.3	300.2	296.7	292.4	291.5	290.7	290.7
5°	343.6	335.8	320.2	305.4	291.5	280.2	271.6	262.9	258.6	256.8	256.0
7.5°	364.4	352.3	327.1	304.5	283.7	266.4	252.5	242.1	236.0	232.5	231.7
10°	393.0	375.7	341.0	309.7	282.0	259.4	242.1	229.9	222.1	218.6	217.8
12.5°	438.2	410.4	367.0	322.8	286.3	258.6	238.6	225.6	222.1	218.6	218.6
15°	489.4	461.6	401.7	347.1	300.2	263.8	246.4	237.7	232.5	229.9	229.1
17.5°	555.3	512.8	440.8	373.1	317.6	282.9	260.3	250.7	245.5	242.9	242.1
20°	623.0	572.6	484.1	401.7	341.0	305.4	278.5	263.8	258.6	256.0	255.1
22.5°	703.7	642.9	529.3	432.1	367.9	326.2	295.9	278.5	272.4	269.8	270.7
25°	786.1	721.0	577.9	464.2	393.0	343.6	312.4	292.4	288.1	284.6	284.6
27.5°	886.7	800.0	627.3	500.6	414.7	359.2	327.1	307.1	299.3	299.3	298.5
30°	992.6	884.1	681.1	531.9	433.8	373.1	338.4	320.2	312.4	311.5	311.5
32.5°	1095.8	974.4	734.0	563.1	448.6	382.6	348.8	331.4	321.9	321.0	321.9
35°	1216.4	1066.3	783.5	588.3	461.6	390.4	356.6	341.0	330.6	329.7	329.7
37.5°	1331.0	1160.9	831.2	608.2	470.3	395.6	362.7	348.8	337.5	336.6	335.8
40°	1450.7	1250.3	874.6	624.7	474.6	399.1	366.1	354.0	343.6	340.1	340.1
42.5°	1572.2	1340.5	911.0	634.2	477.2	400.0	368.7	357.5	347.9	341.9	341.9
45°	1685.8	1417.7	941.4	639.5	477.2	400.9	370.5	360.1	351.4	343.6	342.7
47.5°	1810.8	1495.8	964.8	640.3	474.6	399.1	371.4	362.7	353.1	344.5	343.6
50°	1920.1	1569.6	979.6	637.7	471.1	398.2	372.2	363.5	355.7	345.3	345.3
52.5°	2016.4	1628.6	986.5	630.8	466.8	396.5	372.2	365.3	358.3	347.1	346.2
55°	2101.4	1674.6	985.6	620.4	459.9	393.9	371.4	365.3	360.1	347.9	347.9
57.5°	2174.3	1706.7	977.8	608.2	452.9	392.2	371.4	366.1	361.8	350.5	350.5
60°	2223.8	1724.9	962.2	593.5	446.0	388.7	370.5	367.0	364.4	353.1	354.0
62.5°	2247.2	1722.3	937.9	577.9	438.2	385.2	368.7	366.1	365.3	356.6	356.6
64°	2245.5	1710.1	921.4	566.6	433.0	383.5	367.9	365.3	366.1	358.3	358.3
65°	2234.2	1692.8	904.1	557.9	428.6	381.8	366.1	364.4	366.1	358.3	358.3
67.5°	2179.5	1639.0	859.8	536.2	417.3	374.0	360.9	360.1	362.7	357.5	356.6
70°	2071.1	1554.0	812.1	508.4	403.5	365.3	353.1	352.3	355.7	351.4	349.7
72.5°	1923.6	1436.0	754.0	479.8	387.0	353.1	342.7	341.9	343.6	341.0	338.4
75°	1737.9	1297.1	688.9	447.7	368.7	337.5	328.0	326.2	328.8	325.4	323.6
77.5°	1531.4	1143.6	620.4	413.9	345.3	320.2	310.6	308.0	308.0	303.7	299.3
80°	1304.1	986.5	551.8	379.2	321.0	298.5	290.7	287.2	284.6	277.6	273.3
82.5°	1088.9	839.0	481.5	343.6	295.0	275.0	267.2	262.9	256.8	248.1	242.1
85°	885.9	698.5	417.3	305.4	269.0	249.9	243.8	236.0	228.2	218.6	210.8
87.5°	711.5	571.8	360.1	271.6	239.5	224.7	217.8	207.4	199.6	189.1	182.2
90°	564.8	468.5	308.0	238.6	213.4	200.4	194.4	183.9	172.7	161.4	155.3
92.5°	455.5	381.8	265.5	210.8	190.9	179.6	171.8	161.4	148.4	137.1	132.7
95°	361.8	308.9	226.5	186.5	169.2	158.8	151.0	141.4	127.5	114.5	111.1
97.5°	286.3	254.2	193.5	164.0	150.1	141.4	132.7	124.1	110.2	97.2	95.4
100°	229.9	206.5	165.7	144.9	132.7	124.9	118.0	108.5	95.4	81.6	81.6
102.5°	185.7	170.9	142.3	127.5	118.0	111.1	104.1	95.4	82.4	70.3	69.4
105°	151.8	141.4	122.3	112.8	105.0	99.8	92.8	83.3	71.1	59.9	59.0
107.5°	126.7	117.1	105.9	99.8	93.7	88.5	83.3	73.7	61.6	52.1	52.1



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CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	104.1	100.6	92.0	87.6	84.2	79.0	73.7	64.2	52.9	46.0	46.0
112.5°	88.5	85.0	80.7	78.1	74.6	71.1	65.1	56.4	46.0	40.8	40.8
115°	74.6	72.9	70.3	68.5	66.8	63.3	57.3	48.6	39.0	35.6	36.4
117.5°	65.1	64.2	62.5	61.6	59.9	55.5	50.3	42.5	33.8	32.1	32.1
120°	56.4	56.4	54.7	54.7	52.9	49.5	43.4	36.4	29.5	28.6	28.6
122.5°	49.5	49.5	48.6	48.6	46.9	43.4	38.2	31.2	25.2	25.2	26.0
125°	43.4	43.4	42.5	42.5	41.6	38.2	33.0	26.9	22.6	22.6	22.6
127.5°	38.2	38.2	38.2	37.3	35.6	33.0	27.8	22.6	20.0	20.0	20.0
130°	33.8	33.8	33.0	33.0	31.2	27.8	23.4	19.1	16.5	18.2	18.2
132.5°	29.5	29.5	29.5	27.8	26.0	23.4	19.1	15.6	14.7	15.6	15.6
135°	25.2	26.0	25.2	24.3	22.6	19.1	15.6	13.0	13.0	13.9	13.9
137.5°	21.7	21.7	21.7	20.0	18.2	15.6	12.1	10.4	11.3	12.1	12.1
140°	18.2	18.2	17.4	16.5	14.7	12.1	9.5	7.8	9.5	10.4	10.4
142.5°	14.7	14.7	13.9	13.0	10.4	8.7	6.1	6.1	7.8	8.7	8.7
145°	11.3	11.3	10.4	9.5	7.8	5.2	4.3	5.2	6.9	6.9	6.9
147.5°	7.8	7.8	7.8	6.1	4.3	2.6	1.7	3.5	5.2	5.2	6.1
150°	5.2	5.2	5.2	4.3	2.6	0.9	0.9	2.6	3.5	4.3	4.3
152.5°	3.5	3.5	3.5	2.6	1.7	0.0	0.0	1.7	2.6	2.6	2.6
155°	1.7	1.7	1.7	1.7	0.9	0.0	0.0	0.9	1.7	1.7	1.7
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.7	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	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)