

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: P415999

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7088 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - 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

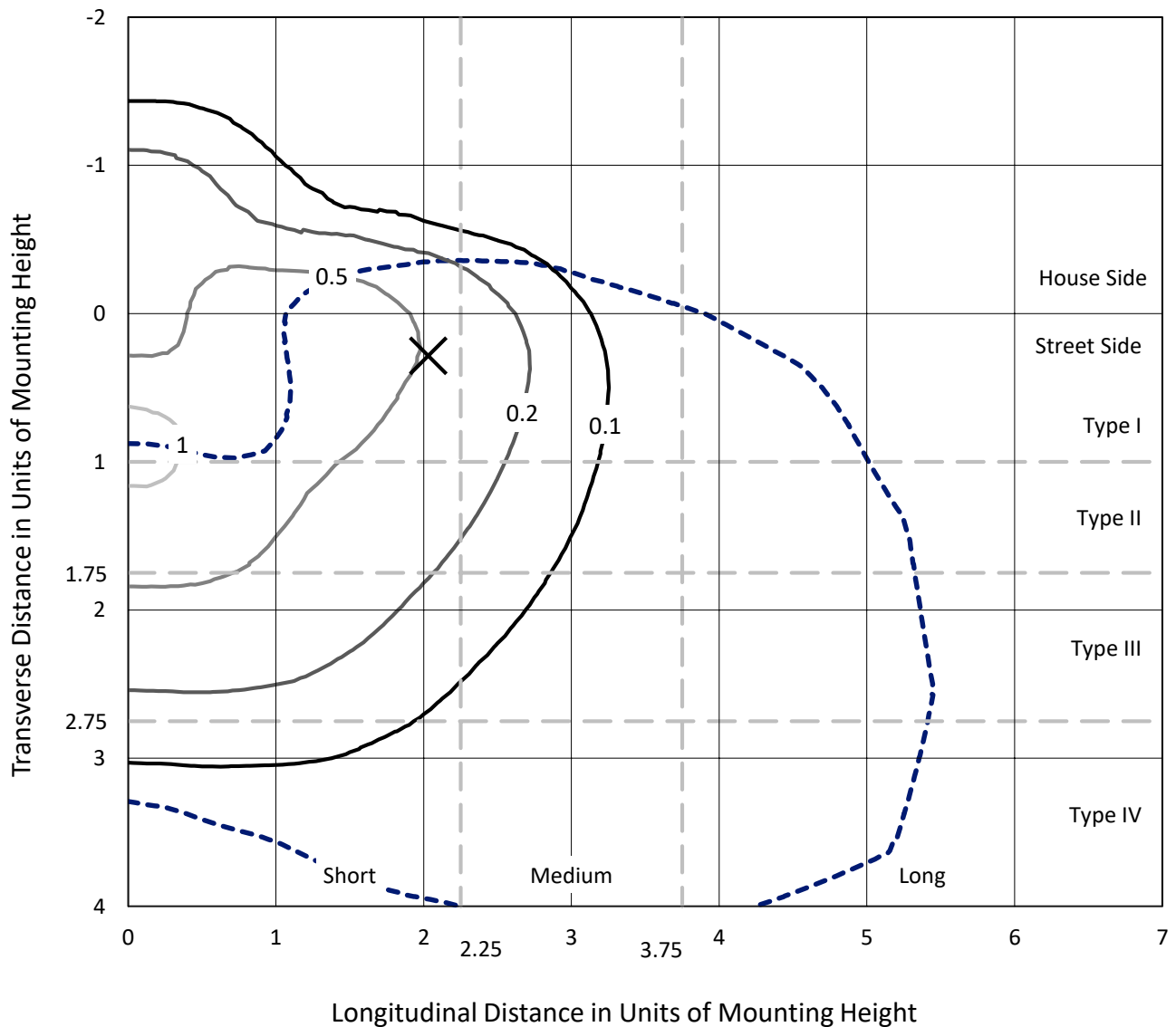


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

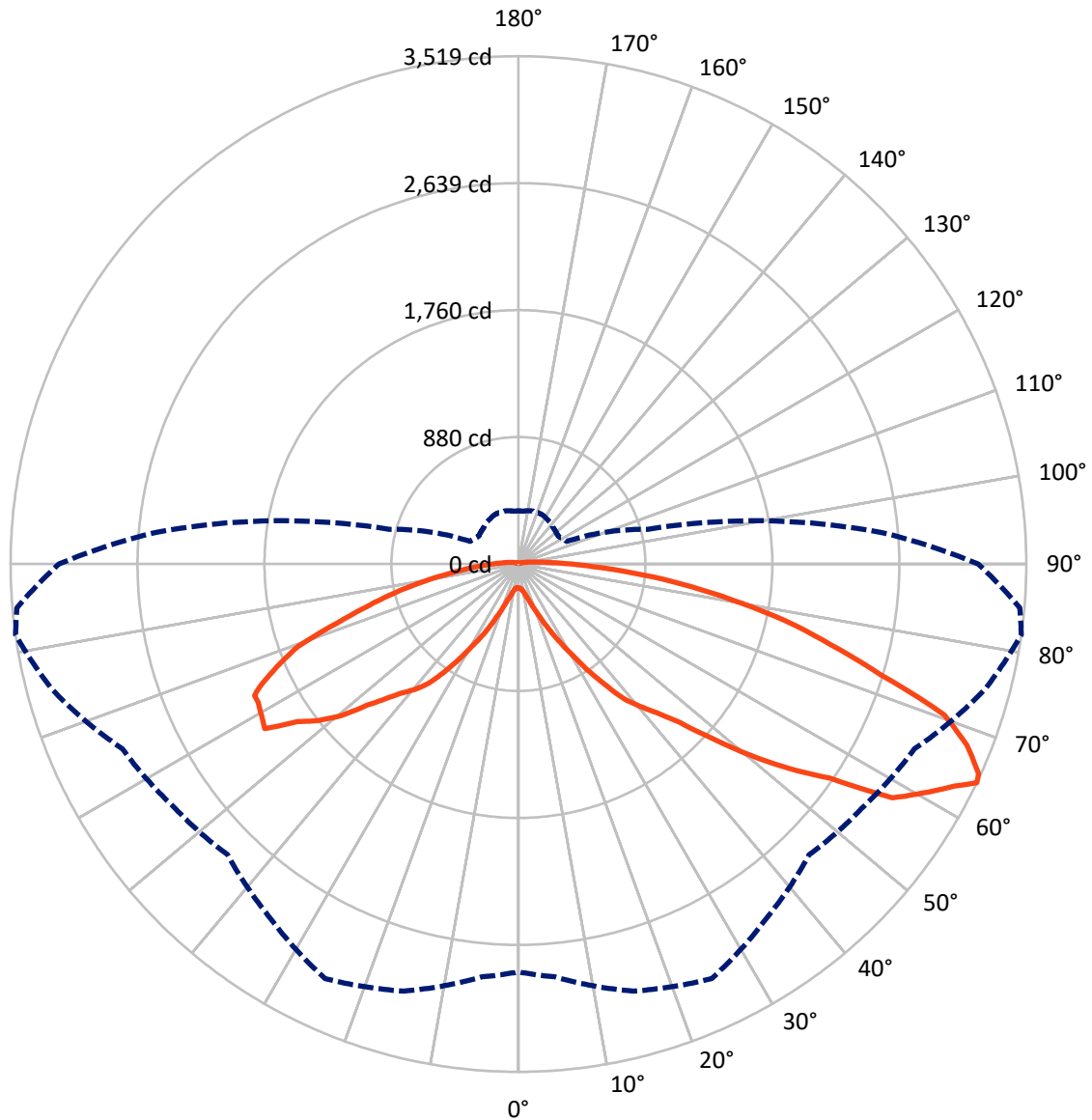


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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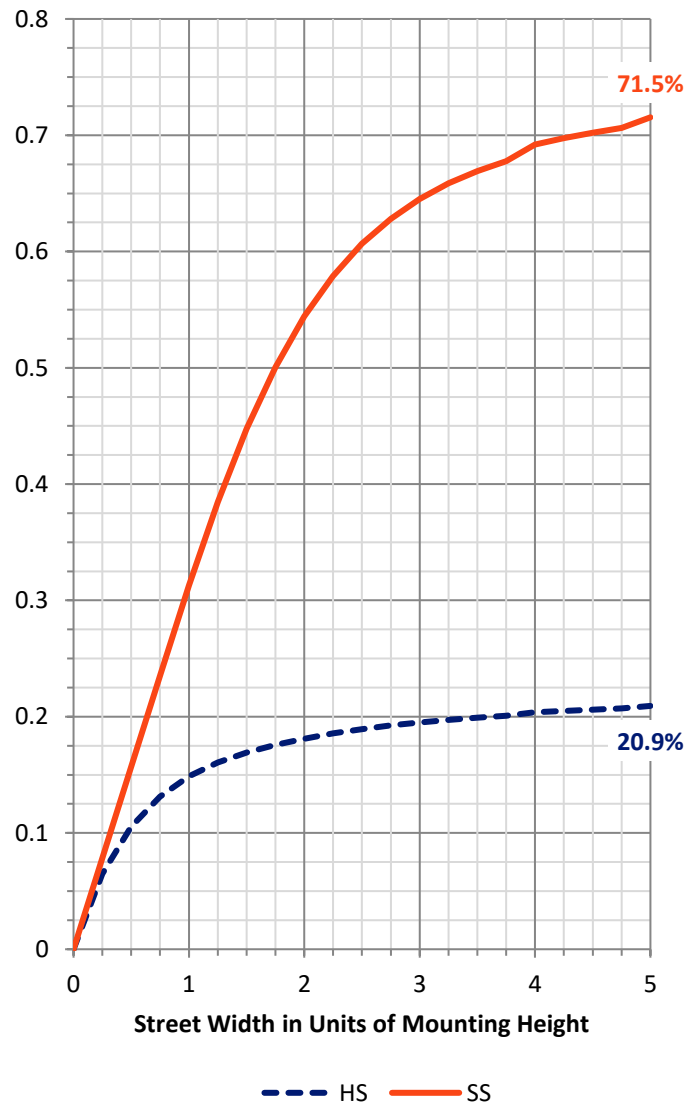
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.2	116.7	1674.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5260.1	153.0	5413.1
	% Fixture	74.2	2.2	76.4
Total	Lumens	6818.3	269.7	7088.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.2
10°-20°	72.9	1.0
20°-30°	210.1	3.0
30°-40°	482.4	6.8
40°-50°	847.1	12.0
50°-60°	1360.7	19.2
60°-70°	1826.6	25.8
70°-80°	1396.5	19.7
80°-90°	604.9	8.5
90°-100°	169.9	2.4
100°-110°	51.6	0.7
110°-120°	22.7	0.3
120°-130°	12.9	0.2
130°-140°	7.9	0.1
140°-150°	3.5	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6818.3	96.2
0°-180°	7088.0	100.0



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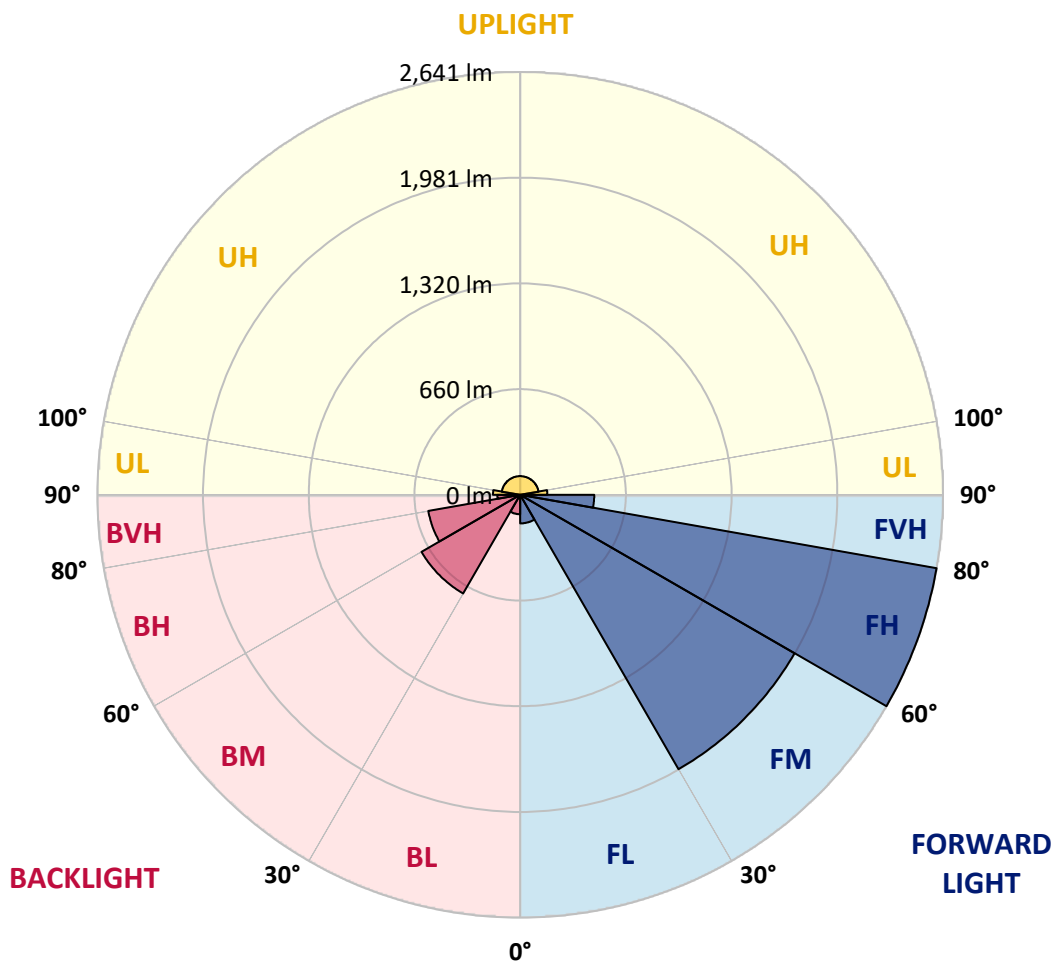
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.5	2.5			
FM	(30°-60°)	1978.6	27.9			
FH	(60°-80°)	2640.7	37.3			G2/5000
FVH	(80°-90°)	462.4	6.5			G3/500
BL	(0°-30°)	121.6	1.7	B1/500		
BM	(30°-60°)	711.6	10.0	B1/1000		
BH	(60°-80°)	582.4	8.2	B2/1000		G2/1000
BVH	(80°-90°)	142.5	2.0			G2/225
UL	(90°-100°)	169.9	2.4		U3/500	
UH	(100°-180°)	116.7	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	177.8	177.0	177.0	177.8	177.8	176.2	172.9	170.5	168.1	167.2	166.4
5°	194.2	193.3	192.5	193.3	190.9	188.4	183.6	178.7	175.4	172.1	171.3
7.5°	216.2	215.4	214.6	212.9	209.7	204.8	197.4	190.9	185.2	181.1	179.5
10°	244.7	241.5	240.7	237.4	231.7	223.5	215.4	207.2	200.7	195.0	192.5
12.5°	283.9	283.9	277.4	270.0	260.2	248.0	237.4	230.9	224.3	221.1	216.2
15°	332.0	330.4	323.9	311.6	295.3	281.4	270.0	261.9	257.8	252.1	249.6
17.5°	385.0	381.8	376.1	357.3	337.7	323.0	310.0	301.8	299.4	294.5	293.7
20°	454.4	449.5	435.6	412.8	385.9	369.5	357.3	348.3	347.5	349.2	348.3
22.5°	536.8	533.5	516.4	474.8	444.6	420.9	404.6	406.3	416.9	421.8	415.2
25°	635.5	638.8	610.2	554.7	514.8	474.8	468.3	477.2	500.9	513.9	514.8
27.5°	752.1	751.3	713.8	652.6	590.6	545.8	535.2	561.3	594.7	613.5	613.5
30°	882.7	894.1	841.1	761.1	674.7	621.6	613.5	653.4	688.5	722.0	731.8
32.5°	1056.4	1054.0	985.5	889.2	774.2	699.1	692.6	743.2	822.3	868.8	868.8
35°	1272.6	1263.6	1168.2	1023.8	869.6	785.6	786.4	856.6	961.0	1018.1	1023.8
37.5°	1458.6	1466.0	1369.7	1194.3	992.8	884.3	894.1	988.7	1114.4	1181.3	1204.1
40°	1657.7	1660.1	1554.1	1363.2	1125.8	989.5	1013.2	1122.5	1241.6	1297.1	1319.1
42.5°	1833.1	1847.7	1741.7	1532.9	1260.4	1118.4	1129.9	1225.3	1343.6	1409.7	1440.7
45°	1953.8	1962.0	1896.7	1688.7	1406.4	1249.8	1248.1	1337.1	1489.6	1563.0	1612.8
47.5°	2117.8	2139.8	2046.0	1845.3	1556.5	1383.6	1369.7	1483.9	1684.6	1803.7	1846.1
50°	2310.3	2343.7	2277.7	2035.4	1727.8	1541.0	1543.5	1679.7	1926.9	2082.7	2126.7
52.5°	2502.0	2515.1	2471.0	2263.8	1926.9	1724.6	1744.1	1914.6	2198.5	2358.4	2385.3
55°	2604.8	2623.6	2636.6	2472.6	2165.9	1942.4	1976.6	2182.2	2430.2	2617.8	2679.0
57.5°	2702.7	2728.8	2763.0	2651.3	2403.3	2211.6	2245.0	2427.8	2790.0	3057.5	3104.0
60°	2868.3	2891.1	2957.2	2865.8	2621.1	2468.6	2503.6	2760.6	3038.0	3222.3	3227.2
62.5°	2865.8	2901.7	3061.6	3084.5	2854.4	2715.7	2801.4	2940.1	3159.5	3391.2	3386.3
64°	2826.7	2871.5	3064.1	3170.1	2996.4	2849.5	2923.8	3028.2	3348.0	3519.3	3488.3
65°	2798.9	2848.7	3056.7	3192.1	3073.9	2925.4	2980.9	3101.6	3402.6	3504.6	3462.2
67.5°	2646.4	2701.9	2977.6	3189.7	3153.8	3044.5	3062.4	3175.0	3312.1	3352.0	3276.2
70°	2373.1	2402.5	2715.7	3055.9	3074.7	2970.3	3019.2	3077.1	3152.2	3132.6	3033.1
72.5°	1873.0	1933.4	2249.9	2734.5	2841.4	2766.3	2785.1	2813.6	2737.8	2625.2	2506.9
75°	1333.8	1387.6	1683.0	2156.9	2474.3	2444.1	2470.2	2424.5	2340.5	2237.7	2121.8
77.5°	927.5	944.7	1188.6	1627.5	1977.5	2069.6	2125.9	2061.5	2014.2	1891.0	1798.0
80°	600.4	629.0	782.3	1178.8	1567.1	1755.6	1846.1	1804.5	1694.4	1497.8	1391.7
82.5°	372.0	394.8	515.6	837.0	1242.4	1504.3	1591.6	1534.5	1358.3	1138.8	1032.8
85°	212.9	217.8	301.8	544.9	908.0	1195.1	1311.8	1220.4	1015.6	803.5	710.5
87.5°	122.4	126.4	180.3	333.7	628.2	900.6	1011.6	878.6	682.0	516.4	455.2
90°	78.3	83.2	116.7	217.8	404.6	643.7	725.2	602.9	456.8	327.1	288.0
92.5°	53.8	56.3	78.3	135.4	261.0	425.0	484.6	403.0	284.7	208.8	185.2
95°	39.2	40.8	55.5	92.2	168.1	266.8	299.4	255.3	186.8	138.7	124.0
97.5°	31.8	32.6	43.2	67.7	115.8	169.7	179.5	159.1	124.0	98.7	93.0
100°	26.9	27.7	35.9	52.2	82.4	110.9	113.4	106.9	87.3	73.4	70.2
102.5°	24.5	24.5	30.2	42.4	62.0	79.1	79.1	73.4	60.4	53.8	53.8
105°	22.0	22.0	26.1	35.1	48.9	61.2	60.4	53.8	45.7	40.8	41.6
107.5°	19.6	19.6	22.8	28.6	40.0	48.1	46.5	40.0	35.1	31.8	32.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	17.9	17.9	20.4	24.5	33.4	40.0	37.5	31.0	26.1	26.1	26.9
112.5°	16.3	16.3	17.9	22.0	28.6	32.6	30.2	24.5	21.2	21.2	22.0
115°	14.7	14.7	16.3	19.6	25.3	27.7	25.3	19.6	17.1	17.9	19.6
117.5°	13.9	13.9	15.5	17.9	22.0	23.7	21.2	16.3	14.7	16.3	17.1
120°	13.1	13.1	14.7	17.1	20.4	21.2	17.9	14.7	13.1	14.7	15.5
122.5°	13.1	13.1	13.9	16.3	18.8	18.8	16.3	13.1	11.4	13.1	13.9
125°	13.1	13.1	13.9	15.5	17.1	17.1	14.7	11.4	10.6	12.2	12.2
127.5°	13.9	13.9	14.7	15.5	16.3	15.5	13.1	10.6	9.8	11.4	11.4
130°	13.9	13.9	13.9	14.7	14.7	13.9	11.4	9.8	9.8	10.6	11.4
132.5°	13.9	13.9	13.9	13.9	13.9	12.2	10.6	9.0	9.8	10.6	11.4
135°	13.1	13.1	13.1	13.1	12.2	10.6	9.0	7.3	9.0	9.8	9.8
137.5°	11.4	12.2	11.4	11.4	11.4	9.8	7.3	6.5	7.3	9.0	9.0
140°	10.6	10.6	10.6	10.6	9.8	8.2	6.5	4.9	5.7	7.3	7.3
142.5°	9.8	9.8	9.8	9.0	9.0	7.3	4.9	4.1	4.9	5.7	5.7
145°	8.2	8.2	8.2	8.2	7.3	5.7	4.1	3.3	4.1	4.9	4.9
147.5°	6.5	6.5	6.5	6.5	5.7	4.9	3.3	3.3	4.1	4.1	4.1
150°	4.9	5.7	5.7	5.7	4.9	4.1	2.4	2.4	3.3	4.1	4.1
152.5°	4.1	4.1	4.1	4.9	4.1	2.4	1.6	2.4	3.3	3.3	3.3
155°	2.4	3.3	3.3	3.3	3.3	2.4	1.6	2.4	2.4	3.3	3.3
157.5°	1.6	1.6	2.4	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4
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°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	165.6	164.8	163.2	161.5	160.7	160.7	159.1	158.3	155.8	155.8	155.0
5°	168.9	167.2	164.0	160.7	158.3	157.4	155.8	153.4	151.7	150.9	150.9
7.5°	176.2	173.8	167.2	163.2	159.9	157.4	155.8	153.4	151.7	150.9	150.9
10°	188.4	184.4	177.0	169.7	164.8	161.5	159.9	159.1	158.3	157.4	157.4
12.5°	212.1	206.4	194.2	185.2	175.4	170.5	168.9	170.5	174.6	176.2	177.0
15°	244.7	237.4	222.7	206.4	191.7	183.6	186.8	195.0	202.3	205.6	204.8
17.5°	285.5	274.1	256.2	234.1	213.7	209.7	212.9	221.9	232.5	237.4	236.6
20°	337.7	328.8	301.8	265.9	243.1	236.6	239.0	250.4	265.9	270.8	272.5
22.5°	409.5	396.5	354.9	305.1	274.9	262.7	265.1	279.8	301.0	312.4	314.9
25°	502.5	488.7	427.5	351.6	304.3	285.5	295.3	314.9	349.2	367.1	365.5
27.5°	610.2	586.5	506.6	408.7	338.5	309.2	323.9	355.7	391.6	414.4	412.8
30°	709.7	689.3	582.5	460.9	367.9	332.0	347.5	388.3	429.9	457.7	459.3
32.5°	859.0	821.5	671.4	505.8	391.6	350.8	365.5	415.2	463.4	496.8	496.0
35°	1013.2	970.8	769.3	558.0	412.0	363.0	378.5	434.8	487.8	527.8	528.6
37.5°	1175.5	1116.0	856.6	592.3	428.3	370.4	385.9	448.7	516.4	562.1	563.7
40°	1284.9	1217.1	909.6	610.2	433.2	375.3	392.4	458.5	521.3	554.7	558.0
42.5°	1407.2	1311.8	937.3	595.5	427.5	374.4	394.0	451.1	500.1	523.7	526.2
45°	1576.1	1448.0	967.5	572.7	412.0	372.0	387.5	431.5	463.4	472.3	472.3
47.5°	1795.5	1613.6	1018.1	548.2	395.7	364.7	376.1	404.6	416.9	415.2	411.2
50°	2059.0	1848.6	1079.3	527.0	380.2	355.7	363.0	379.3	383.4	378.5	376.1
52.5°	2321.7	2037.8	1121.7	508.2	370.4	347.5	352.4	364.7	364.7	350.0	347.5
55°	2562.4	2209.1	1110.3	472.3	363.0	343.4	348.3	357.3	350.0	332.8	329.6
57.5°	2951.5	2505.3	1139.6	437.3	352.4	342.6	349.2	354.9	344.3	327.9	324.7
60°	3020.8	2493.0	1070.3	415.2	345.1	345.1	352.4	358.9	351.6	336.9	336.1
62.5°	3117.1	2504.4	965.1	383.4	340.2	346.7	359.8	369.5	368.7	358.1	356.5
64°	3184.8	2520.8	927.5	368.7	336.1	346.7	365.5	380.2	380.2	367.9	367.9
65°	3117.9	2458.8	899.8	361.4	332.0	346.7	368.7	386.7	385.0	375.3	373.6
67.5°	2915.6	2257.3	782.3	345.1	323.0	346.7	377.7	397.3	399.7	391.6	388.3
70°	2668.4	2037.0	680.4	326.3	314.1	342.6	377.7	403.8	407.9	398.9	396.5
72.5°	2174.9	1638.1	561.3	305.9	301.0	332.8	372.8	400.5	404.6	394.0	390.8
75°	1823.3	1337.9	465.0	286.3	287.2	320.6	360.6	385.9	385.9	374.4	369.5
77.5°	1501.9	1080.1	385.0	267.6	270.8	305.1	338.5	354.9	350.0	339.4	332.8
80°	1125.0	815.8	317.3	247.2	250.4	279.8	307.5	319.0	314.1	301.0	299.4
82.5°	823.1	586.5	270.8	226.0	228.4	252.1	272.5	282.3	286.3	275.7	272.5
85°	540.9	413.6	232.5	204.8	206.4	224.3	237.4	245.5	254.5	251.3	249.6
87.5°	353.2	286.3	196.6	180.3	181.9	196.6	205.6	213.7	231.7	234.1	230.9
90°	237.4	200.7	162.3	155.8	158.3	170.5	175.4	183.6	203.1	206.4	206.4
92.5°	159.1	143.6	131.3	131.3	135.4	146.0	146.8	149.3	165.6	169.7	168.1
95°	111.8	106.9	106.1	107.7	112.6	120.7	116.7	115.0	125.6	126.4	124.8
97.5°	85.7	84.0	85.7	88.1	90.6	98.7	94.6	90.6	95.4	93.8	95.4
100°	68.5	67.7	70.2	70.2	72.6	79.9	76.7	74.2	75.1	71.8	71.8
102.5°	54.7	54.7	57.1	57.9	59.6	65.3	64.4	62.0	60.4	57.1	57.9
105°	42.4	43.2	46.5	47.3	49.8	54.7	53.8	50.6	48.9	44.9	45.7
107.5°	34.3	35.9	38.3	39.2	41.6	45.7	44.1	40.8	38.3	36.7	36.7



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.6	29.4	31.8	32.6	35.1	38.3	37.5	33.4	30.2	29.4	30.2
112.5°	23.7	25.3	26.9	27.7	30.2	32.6	30.2	26.9	24.5	25.3	25.3
115°	20.4	21.2	22.8	23.7	25.3	27.7	25.3	22.0	20.4	21.2	22.0
117.5°	18.8	19.6	20.4	20.4	22.0	23.7	21.2	18.8	17.9	18.8	19.6
120°	16.3	17.1	17.9	18.8	19.6	20.4	18.8	16.3	15.5	17.1	17.1
122.5°	14.7	15.5	15.5	16.3	17.1	17.9	16.3	14.7	13.9	14.7	15.5
125°	13.1	13.9	14.7	14.7	15.5	15.5	14.7	13.1	13.1	13.9	13.9
127.5°	12.2	13.1	13.1	13.9	13.9	13.9	13.1	11.4	12.2	13.1	13.1
130°	12.2	12.2	12.2	12.2	12.2	12.2	11.4	10.6	11.4	12.2	12.2
132.5°	11.4	11.4	11.4	11.4	11.4	10.6	9.8	9.8	10.6	11.4	11.4
135°	10.6	10.6	9.8	9.8	9.8	9.8	9.0	9.0	9.0	9.8	9.8
137.5°	9.0	9.0	8.2	8.2	8.2	8.2	7.3	7.3	8.2	9.0	9.0
140°	7.3	7.3	6.5	6.5	6.5	6.5	6.5	6.5	7.3	7.3	8.2
142.5°	5.7	5.7	5.7	4.9	4.9	5.7	5.7	5.7	6.5	6.5	6.5
145°	4.9	4.9	4.9	4.1	4.1	4.9	4.9	4.9	5.7	5.7	5.7
147.5°	4.1	4.1	4.1	3.3	2.4	4.1	4.1	4.1	4.9	4.1	4.1
150°	4.1	4.1	3.3	2.4	2.4	2.4	3.3	3.3	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.4	1.6	1.6	2.4	3.3	2.4	2.4	2.4
155°	3.3	3.3	2.4	2.4	1.6	0.8	1.6	2.4	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	0.8	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

(END OF REPORT)