

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: P416407

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8253 lumens
Efficiency: N/A
Efficacy: 111.5 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

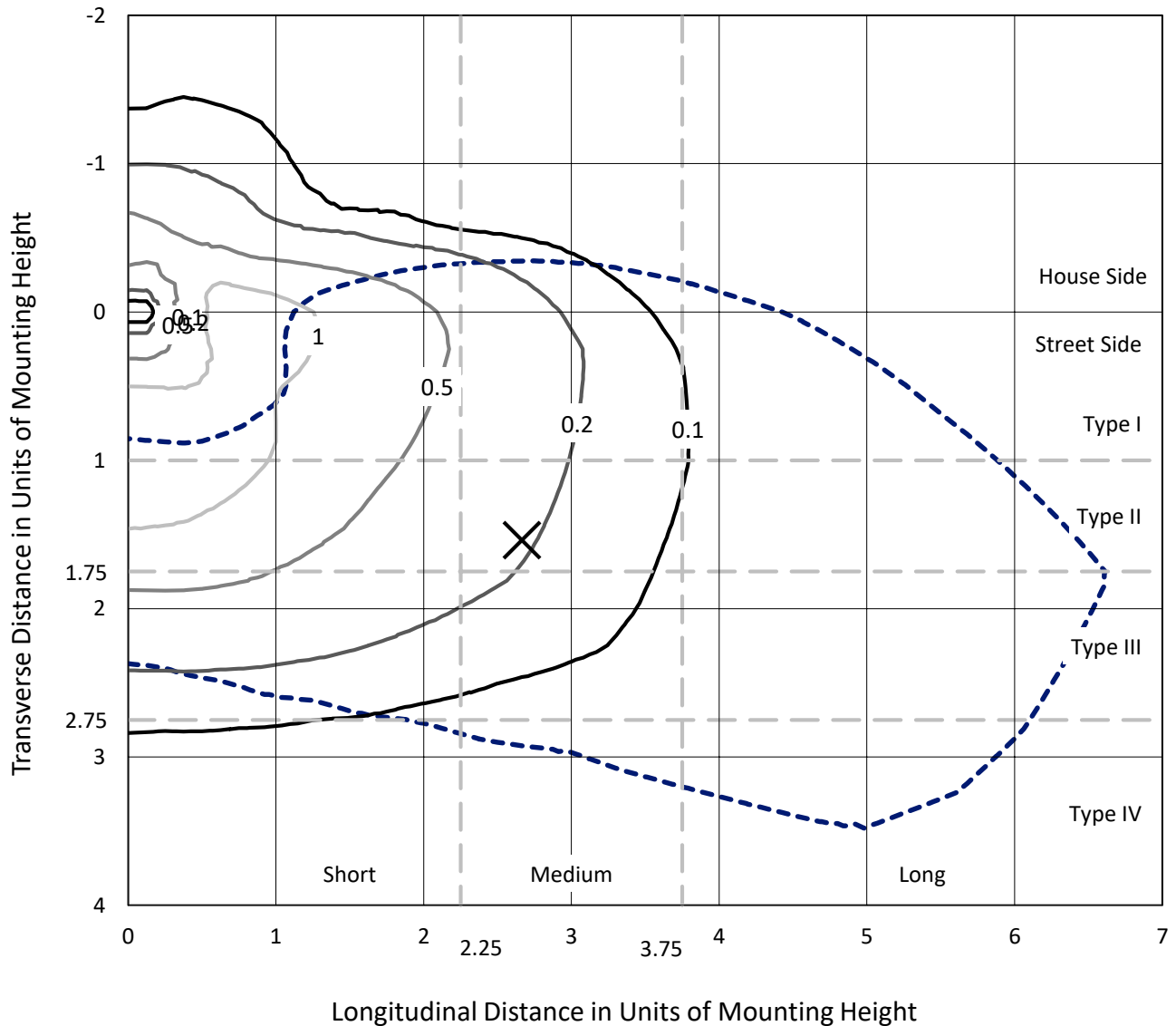
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

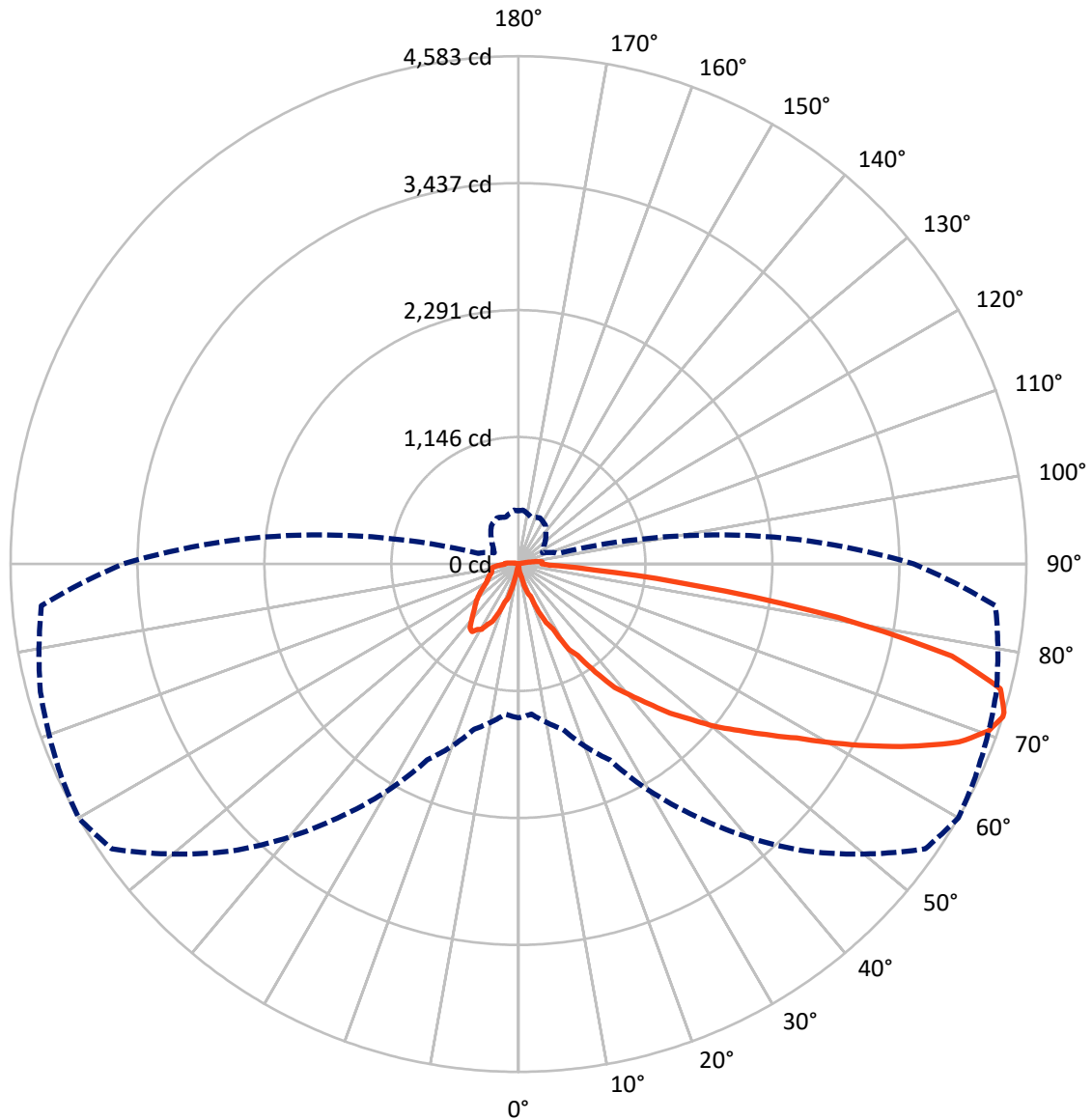
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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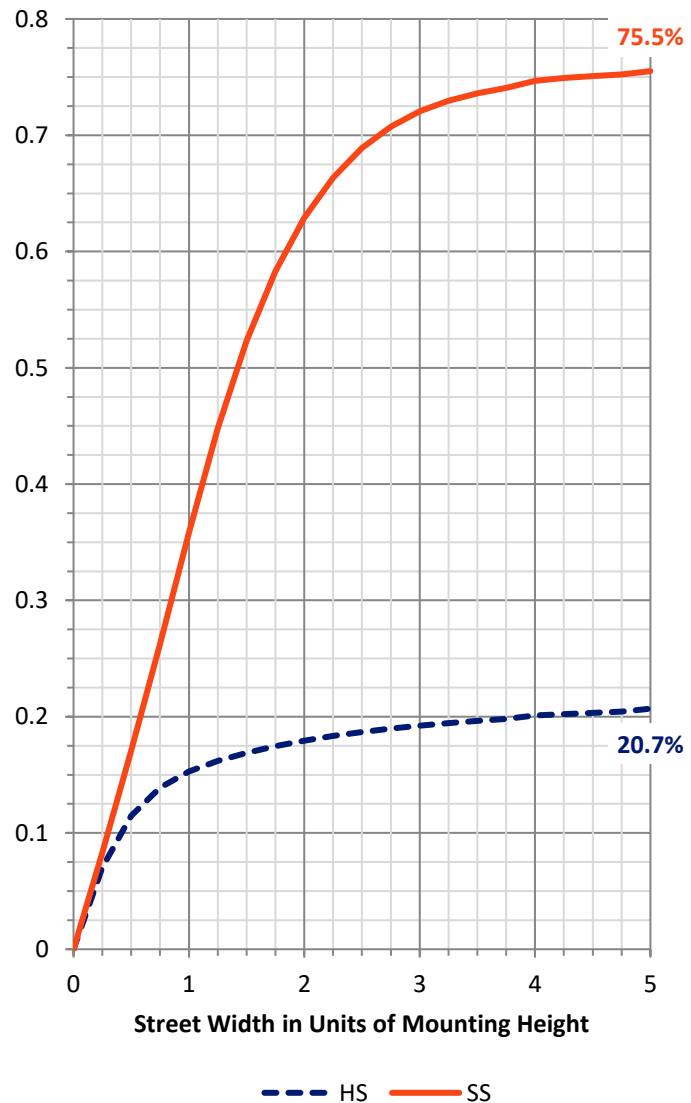
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1803.7	88.0	1891.8
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6284.0	77.3	6361.3
	% Fixture	76.1	0.9	77.1
Total	Lumens	8087.7	165.3	8253.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	67.5	0.8
20°-30°	281.4	3.4
30°-40°	650.0	7.9
40°-50°	1141.4	13.8
50°-60°	1725.1	20.9
60°-70°	2127.0	25.8
70°-80°	1642.2	19.9
80°-90°	448.7	5.4
90°-100°	121.8	1.5
100°-110°	21.1	0.3
110°-120°	8.1	0.1
120°-130°	5.8	0.1
130°-140°	3.9	0.0
140°-150°	3.1	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8087.7	98.0
0°-180°	8253.0	100.0



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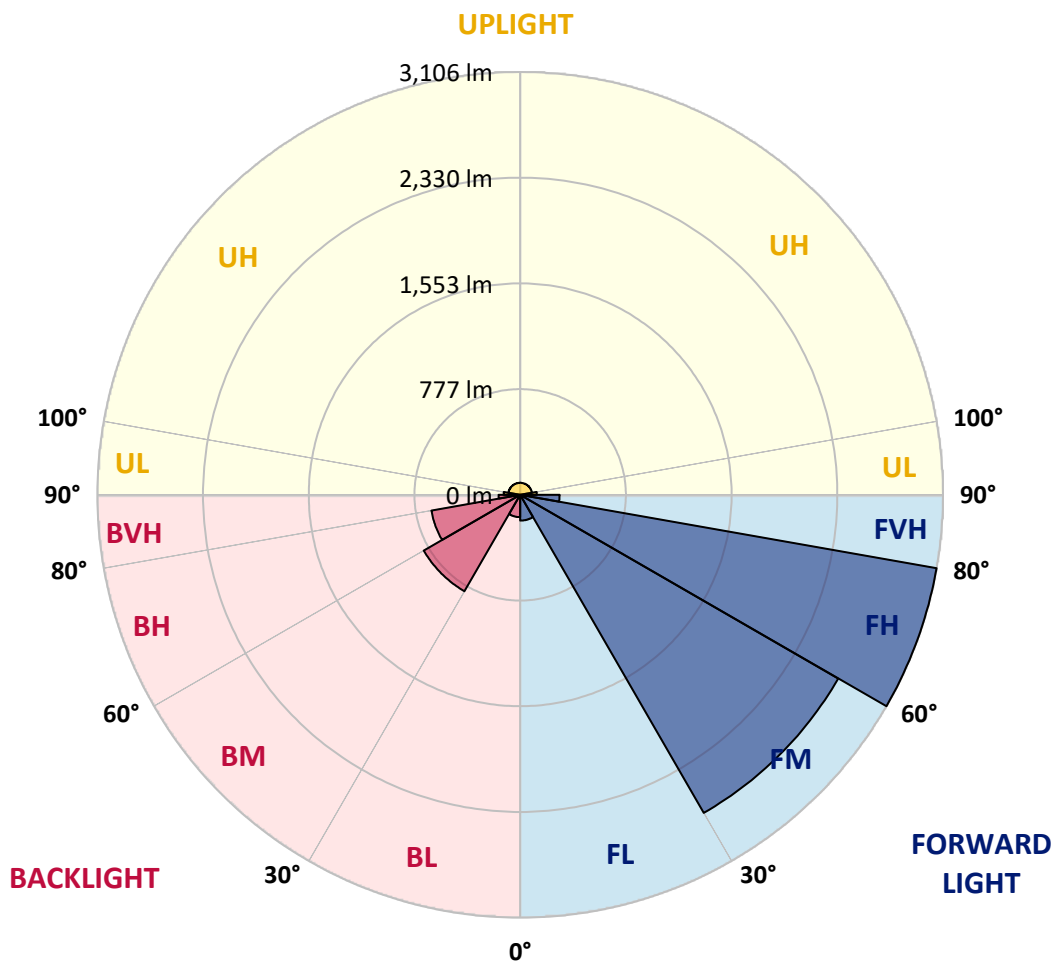
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.4	2.3			
FM	(30°-60°)	2698.4	32.7			
FH	(60°-80°)	3106.4	37.6			G2/5000
FVH	(80°-90°)	289.7	3.5			G3/500
BL	(0°-30°)	163.9	2.0	B1/500		
BM	(30°-60°)	818.1	9.9	B1/1000		
BH	(60°-80°)	662.8	8.0	B2/1000		G2/1000
BVH	(80°-90°)	158.9	1.9			G2/225
UL	(90°-100°)	121.8	1.5		U3/500	
UH	(100°-180°)	88.0	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	11.0	10.1	9.1	9.1	10.1	9.1	8.2	7.3	6.4	6.4	5.5
5°	102.5	99.7	98.8	79.6	36.6	28.4	12.8	10.1	8.2	6.4	5.5
7.5°	113.4	112.5	111.6	111.6	109.8	104.3	59.5	29.3	16.5	8.2	7.3
10°	129.9	128.1	122.6	119.9	117.1	115.3	107.0	101.6	45.7	13.7	11.9
12.5°	231.5	227.8	222.3	164.7	140.9	124.4	121.7	117.1	101.6	42.1	85.1
15°	248.8	247.9	244.3	241.5	234.2	155.5	188.5	215.0	243.4	198.5	221.4
17.5°	312.9	303.7	280.0	266.2	261.7	285.4	272.6	277.2	277.2	267.1	253.4
20°	467.5	461.1	449.2	396.1	298.3	367.8	360.5	306.5	315.6	390.7	453.8
22.5°	563.6	557.2	532.5	498.6	492.2	409.0	425.4	464.8	475.7	548.0	547.1
25°	764.8	753.0	699.9	600.2	613.0	527.9	593.8	584.6	556.3	603.8	620.3
27.5°	934.1	924.0	898.4	848.1	710.9	738.3	675.2	663.3	739.2	872.8	870.1
30°	1120.7	1065.8	997.2	981.7	880.1	837.1	853.6	892.9	921.3	934.1	966.1
32.5°	1359.5	1353.1	1301.9	1099.7	1067.7	957.0	1035.7	981.7	1003.6	1188.4	1298.2
35°	1525.1	1541.6	1451.0	1330.2	1178.4	1175.6	1142.7	1196.7	1301.9	1327.5	1403.4
37.5°	1911.2	1915.8	1834.4	1489.4	1390.6	1295.5	1397.9	1412.6	1441.9	1485.8	1549.8
40°	2202.1	2161.0	2060.3	1804.2	1589.2	1485.8	1559.0	1557.1	1621.2	1701.7	1741.9
42.5°	2560.8	2515.0	2334.8	2044.8	1843.5	1729.1	1736.5	1720.9	1774.0	1901.1	1925.8
45°	2861.8	2841.6	2702.6	2397.0	2124.4	1987.1	1937.7	1918.5	1945.1	2105.2	2118.9
47.5°	3146.3	3092.3	3001.7	2692.5	2532.4	2282.6	2140.8	2095.1	2103.3	2285.4	2325.6
50°	3447.3	3356.7	3245.1	2973.4	2857.2	2654.1	2374.1	2302.8	2305.5	2473.9	2542.5
52.5°	3625.7	3482.1	3409.8	3184.7	3067.6	2966.1	2618.4	2494.9	2507.7	2666.9	2771.2
55°	3515.0	3472.0	3473.8	3339.3	3252.4	3133.5	2855.4	2717.2	2731.9	2918.5	3049.3
57.5°	3328.4	3361.3	3477.5	3472.0	3423.5	3307.3	3091.4	2962.4	3046.6	3203.0	3341.2
60°	3184.7	3222.2	3410.7	3507.7	3598.3	3513.2	3335.7	3279.9	3358.6	3494.9	3660.5
62.5°	2945.0	2975.2	3234.1	3490.3	3593.7	3688.8	3568.1	3618.4	3690.7	3805.9	4007.2
65°	2617.5	2610.2	2932.2	3331.1	3563.5	3786.7	3867.2	3959.6	4025.5	4149.0	4332.0
67.5°	2230.5	2267.1	2537.9	2988.0	3445.5	3836.1	4118.8	4288.1	4329.2	4376.8	4508.6
70°	1821.5	1819.7	2056.7	2535.2	3192.0	3808.7	4357.6	4504.0	4504.9	4476.5	4515.9
72°	1388.8	1359.5	1542.5	1950.5	2772.1	3661.4	4480.2	4582.7	4548.8	4464.7	4321.0
72.5°	1192.1	1218.6	1390.6	1837.1	2583.6	3588.2	4493.0	4581.8	4545.2	4452.8	4262.5
75°	604.7	566.3	664.2	984.4	1782.2	2899.3	4400.6	4492.1	4389.6	4274.4	3737.3
77.5°	237.0	243.4	281.8	425.4	867.3	1909.4	3798.6	3998.1	3932.2	3850.8	2947.8
80°	166.5	166.5	188.5	242.4	444.6	775.8	2632.1	2922.2	3023.7	3064.0	1971.6
82.5°	120.8	122.6	143.6	169.3	317.5	372.4	1292.7	1623.9	1784.0	1934.1	1102.4
85°	112.5	112.5	115.3	113.4	226.9	265.3	470.3	693.5	801.4	939.6	445.6
87.5°	53.1	57.6	85.1	67.7	111.6	163.8	256.2	278.1	284.5	323.0	320.2
90°	34.8	34.8	28.4	29.3	54.9	132.7	205.8	210.4	202.2	237.0	298.3
92.5°	35.7	36.6	26.5	27.4	43.0	121.7	211.3	215.0	208.6	248.8	316.6
95°	32.9	32.9	22.9	23.8	33.9	93.3	211.3	215.0	196.7	247.9	316.6
97.5°	27.4	28.4	18.3	19.2	26.5	45.7	146.4	157.4	125.3	126.3	154.6
100°	23.8	23.8	14.6	15.6	19.2	21.0	74.1	77.8	69.5	31.1	21.0
102.5°	23.8	23.8	12.8	12.8	12.8	11.9	22.9	38.4	32.0	18.3	20.1
105°	22.9	23.8	11.9	10.1	10.1	9.1	11.9	14.6	14.6	14.6	21.0
107.5°	18.3	19.2	9.1	9.1	8.2	8.2	6.4	6.4	9.1	13.7	22.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	14.6	14.6	7.3	8.2	6.4	7.3	5.5	5.5	8.2	10.1	17.4
112.5°	8.2	8.2	5.5	6.4	5.5	6.4	5.5	5.5	6.4	8.2	11.0
115°	7.3	7.3	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	11.9
117.5°	7.3	7.3	4.6	4.6	4.6	3.7	3.7	4.6	4.6	7.3	11.9
120°	7.3	7.3	4.6	4.6	3.7	3.7	3.7	4.6	4.6	7.3	11.9
122.5°	8.2	7.3	4.6	3.7	3.7	3.7	3.7	3.7	4.6	6.4	11.9
125°	8.2	7.3	5.5	3.7	3.7	3.7	3.7	3.7	4.6	6.4	10.1
127.5°	8.2	8.2	5.5	3.7	3.7	3.7	3.7	3.7	3.7	5.5	9.1
130°	8.2	7.3	5.5	3.7	3.7	3.7	3.7	3.7	3.7	5.5	8.2
132.5°	7.3	7.3	5.5	3.7	4.6	3.7	3.7	3.7	3.7	4.6	6.4
135°	6.4	6.4	4.6	4.6	4.6	3.7	3.7	3.7	3.7	3.7	5.5
137.5°	6.4	6.4	5.5	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6
140°	6.4	6.4	5.5	5.5	5.5	4.6	3.7	3.7	3.7	4.6	4.6
142.5°	7.3	7.3	6.4	5.5	5.5	4.6	3.7	3.7	4.6	4.6	4.6
145°	8.2	8.2	7.3	6.4	5.5	3.7	3.7	4.6	4.6	4.6	5.5
147.5°	8.2	8.2	7.3	5.5	4.6	3.7	3.7	4.6	4.6	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.7	2.7	3.7	3.7	4.6	5.5	5.5
152.5°	5.5	5.5	4.6	3.7	2.7	1.8	2.7	3.7	3.7	4.6	5.5
155°	3.7	3.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	3.7	4.6
157.5°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	3.7
160°	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	2.7
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.5	5.5	5.5	5.5	5.5	5.5	6.4	6.4	6.4	7.3	8.2
5°	5.5	5.5	5.5	5.5	6.4	7.3	8.2	9.1	10.1	11.0	11.0
7.5°	6.4	6.4	6.4	7.3	8.2	10.1	22.9	80.5	109.8	119.9	117.1
10°	11.9	11.9	11.0	11.0	12.8	107.0	136.3	148.2	154.6	161.9	161.9
12.5°	95.1	109.8	39.3	22.0	106.1	150.0	161.0	169.3	174.7	182.1	182.1
15°	229.6	233.3	239.7	215.9	208.6	170.2	177.5	240.6	316.6	336.7	338.5
17.5°	258.0	262.6	267.1	316.6	336.7	260.7	300.1	337.6	344.9	352.2	352.2
20°	492.2	499.5	405.3	363.2	355.0	441.9	339.4	348.6	361.4	426.3	432.7
22.5°	558.1	562.7	527.0	549.8	402.6	462.0	446.5	446.5	499.5	503.2	504.1
25°	625.8	651.4	583.7	565.4	572.7	467.5	527.0	475.7	483.1	488.6	489.5
27.5°	913.1	909.4	854.5	646.8	574.5	566.3	511.4	469.3	548.9	570.0	570.9
30°	970.7	961.5	912.1	757.5	596.5	560.8	482.1	542.5	527.9	530.6	531.5
32.5°	1334.8	1320.2	1180.2	766.7	623.0	517.8	523.3	505.0	506.8	563.6	565.4
35°	1426.3	1406.2	1209.5	886.5	593.8	525.1	484.0	506.8	516.0	513.3	513.3
37.5°	1548.9	1510.5	1200.3	833.5	617.5	491.3	462.9	478.5	473.0	507.8	505.9
40°	1682.5	1628.5	1204.9	773.1	559.9	461.1	443.7	457.4	453.8	443.7	436.4
42.5°	1852.6	1759.3	1204.0	722.8	506.8	451.0	419.0	418.1	402.6	386.1	380.6
45°	2026.5	1897.5	1207.7	665.1	466.6	442.8	405.3	383.3	369.6	352.2	347.7
47.5°	2216.8	2044.8	1218.6	619.4	435.5	418.1	387.9	361.4	351.3	329.4	327.5
50°	2441.8	2199.4	1222.3	582.8	398.9	396.1	375.1	345.8	330.3	308.3	306.5
52.5°	2684.3	2363.2	1228.7	528.8	370.5	387.9	382.4	342.2	335.8	307.4	305.6
55°	2913.9	2518.7	1226.9	463.8	357.7	380.6	382.4	366.0	355.9	309.2	305.6
57.5°	3190.2	2687.0	1199.4	403.5	337.6	369.6	400.7	387.0	376.0	337.6	330.3
60°	3437.2	2860.9	1118.0	356.8	320.2	357.7	416.3	402.6	371.4	346.7	339.4
62.5°	3726.3	3010.9	1004.5	323.0	313.8	361.4	421.8	412.6	374.2	366.0	363.2
65°	3922.1	3067.6	832.5	295.5	312.9	361.4	419.9	421.8	394.3	402.6	401.6
67.5°	3945.9	2994.4	631.3	274.5	301.9	361.4	417.2	440.1	412.6	446.5	448.3
70°	3831.6	2811.5	460.2	253.4	290.0	356.8	418.1	452.0	426.3	479.4	475.7
72°	3568.1	2534.2	372.4	239.7	280.0	349.5	424.5	458.4	438.2	487.6	479.4
72.5°	3499.4	2449.2	355.9	237.9	278.1	348.6	426.3	460.2	439.1	495.9	485.8
75°	2928.6	1950.5	305.6	224.1	280.9	344.0	435.5	459.3	444.6	501.4	503.2
77.5°	2218.6	1314.7	270.8	212.3	280.0	335.8	432.7	452.0	436.4	482.1	492.2
80°	1373.2	764.8	240.6	211.3	278.1	332.1	420.8	432.7	413.5	450.1	452.9
82.5°	751.1	447.4	208.6	207.7	269.9	322.0	398.0	410.8	392.5	432.7	404.4
85°	384.3	303.7	156.4	170.2	236.0	302.8	371.4	370.5	352.2	366.9	346.7
87.5°	296.4	238.8	101.6	122.6	193.0	249.8	305.6	302.8	279.0	280.9	272.6
90°	272.6	213.2	66.8	86.9	161.0	179.3	212.3	204.0	187.6	191.2	188.5
92.5°	274.5	210.4	64.0	92.4	154.6	161.0	194.9	184.8	168.3	170.2	164.7
95°	268.1	202.2	64.0	81.4	128.1	114.4	140.0	136.3	122.6	116.2	113.4
97.5°	128.1	100.6	59.5	60.4	72.3	62.2	85.1	91.5	73.2	58.6	58.6
100°	22.0	33.9	52.1	61.3	52.1	39.3	54.0	62.2	42.1	19.2	21.0
102.5°	22.0	21.0	40.3	52.1	37.5	21.0	31.1	41.2	26.5	14.6	15.6
105°	23.8	22.0	19.2	35.7	22.0	11.0	11.9	21.0	14.6	14.6	14.6
107.5°	25.6	23.8	13.7	13.7	11.0	10.1	9.1	8.2	10.1	14.6	15.6



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CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.2	19.2	12.8	11.0	10.1	10.1	7.3	7.3	10.1	15.6	15.6
112.5°	13.7	13.7	11.0	9.1	8.2	10.1	7.3	7.3	9.1	15.6	16.5
115°	13.7	13.7	10.1	8.2	7.3	8.2	7.3	6.4	9.1	15.6	16.5
117.5°	13.7	13.7	10.1	7.3	6.4	6.4	5.5	6.4	9.1	15.6	16.5
120°	13.7	13.7	10.1	7.3	6.4	5.5	5.5	5.5	9.1	15.6	16.5
122.5°	12.8	12.8	9.1	6.4	5.5	4.6	4.6	5.5	8.2	14.6	15.6
125°	11.9	11.9	8.2	6.4	5.5	4.6	4.6	4.6	8.2	13.7	14.6
127.5°	11.0	11.0	8.2	5.5	4.6	4.6	4.6	4.6	7.3	12.8	13.7
130°	9.1	9.1	7.3	5.5	4.6	3.7	4.6	4.6	7.3	11.9	11.9
132.5°	7.3	7.3	5.5	4.6	4.6	3.7	3.7	4.6	6.4	10.1	11.0
135°	5.5	5.5	5.5	4.6	4.6	3.7	3.7	3.7	5.5	8.2	9.1
137.5°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	3.7	5.5	7.3	7.3
140°	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	5.5	6.4	7.3
142.5°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	4.6	5.5	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	2.7	2.7	4.6	5.5	7.3	7.3
147.5°	5.5	5.5	5.5	4.6	3.7	2.7	2.7	3.7	5.5	7.3	7.3
150°	5.5	5.5	5.5	4.6	3.7	1.8	1.8	3.7	4.6	6.4	7.3
152.5°	5.5	5.5	4.6	4.6	2.7	1.8	0.9	2.7	3.7	5.5	5.5
155°	4.6	4.6	4.6	3.7	2.7	0.9	0.0	0.9	2.7	4.6	4.6
157.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
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)