

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: P416385

Luminaire Tested: **LXF.LXT-PA1-70-750-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7781 lumens
Efficiency: N/A
Efficacy: 105.1 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

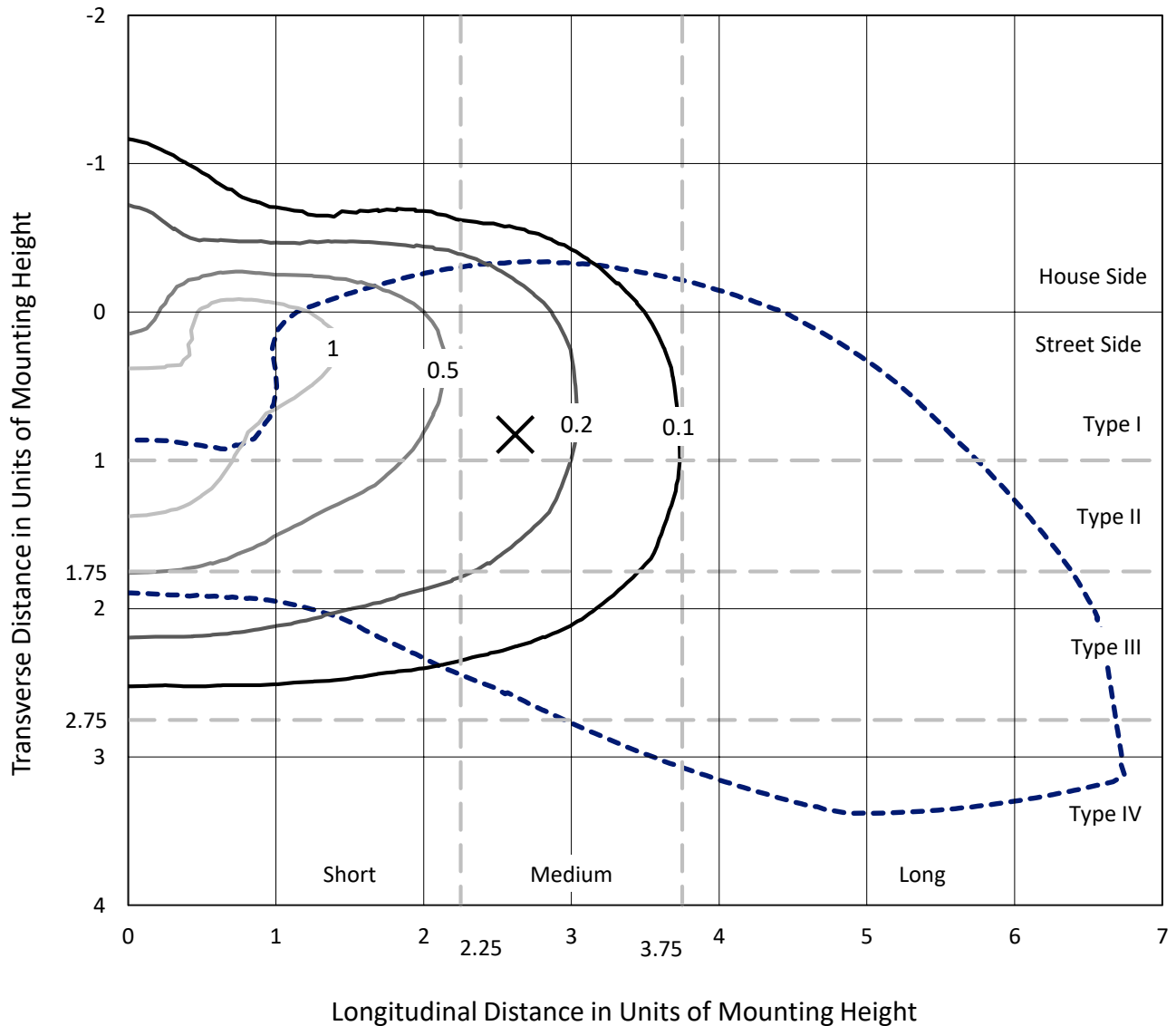
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

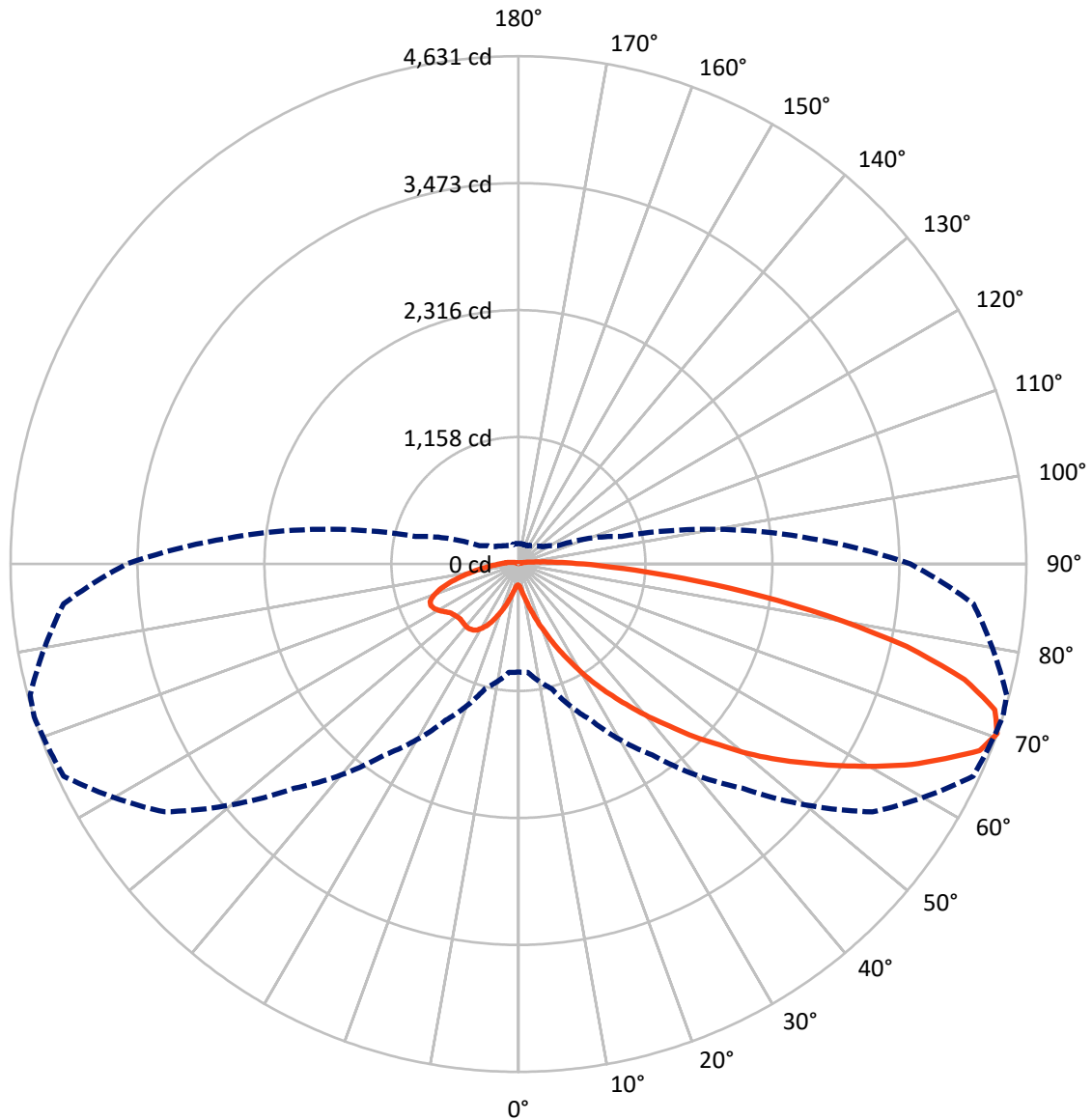
× Max cd
 - - - 1/2 Max cd



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 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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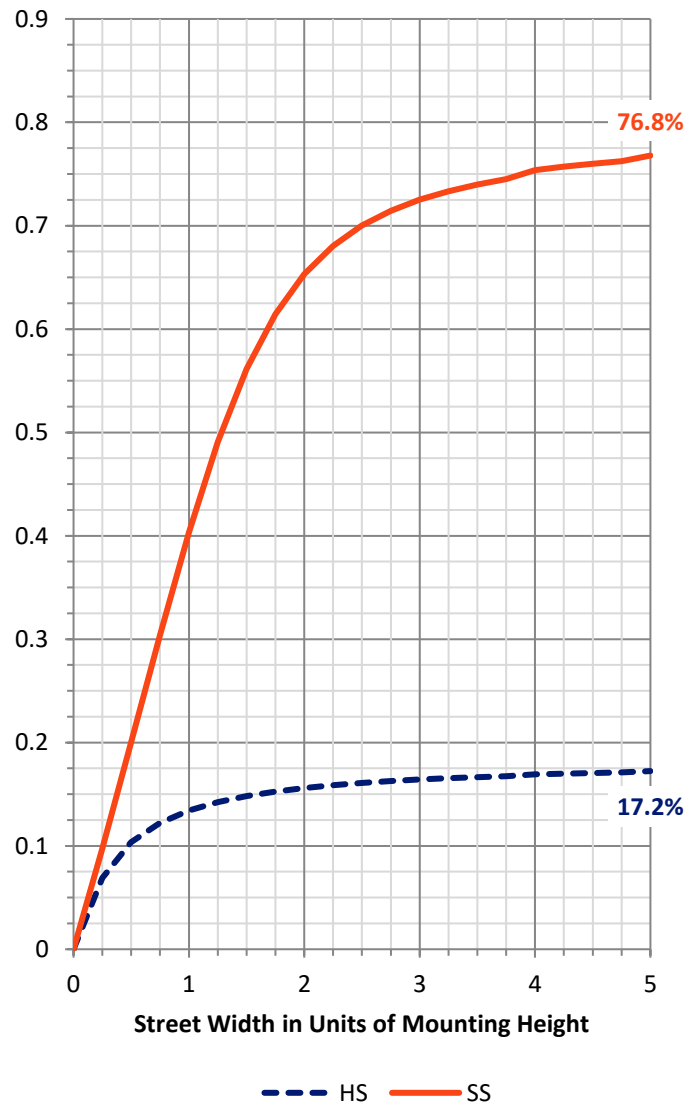
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1398.8	126.9	1525.7
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	6108.8	146.5	6255.3
	% Fixture	78.5	1.9	80.4
Total	Lumens	7507.6	273.4	7781.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.3
10°-20°	105.3	1.4
20°-30°	294.0	3.8
30°-40°	609.4	7.8
40°-50°	1052.6	13.5
50°-60°	1554.5	20.0
60°-70°	1834.8	23.6
70°-80°	1456.1	18.7
80°-90°	578.9	7.4
90°-100°	153.0	2.0
100°-110°	59.0	0.8
110°-120°	28.8	0.4
120°-130°	16.3	0.2
130°-140°	9.6	0.1
140°-150°	4.5	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7507.6	96.5
0°-180°	7781.0	100.0

Coefficient of Utilization



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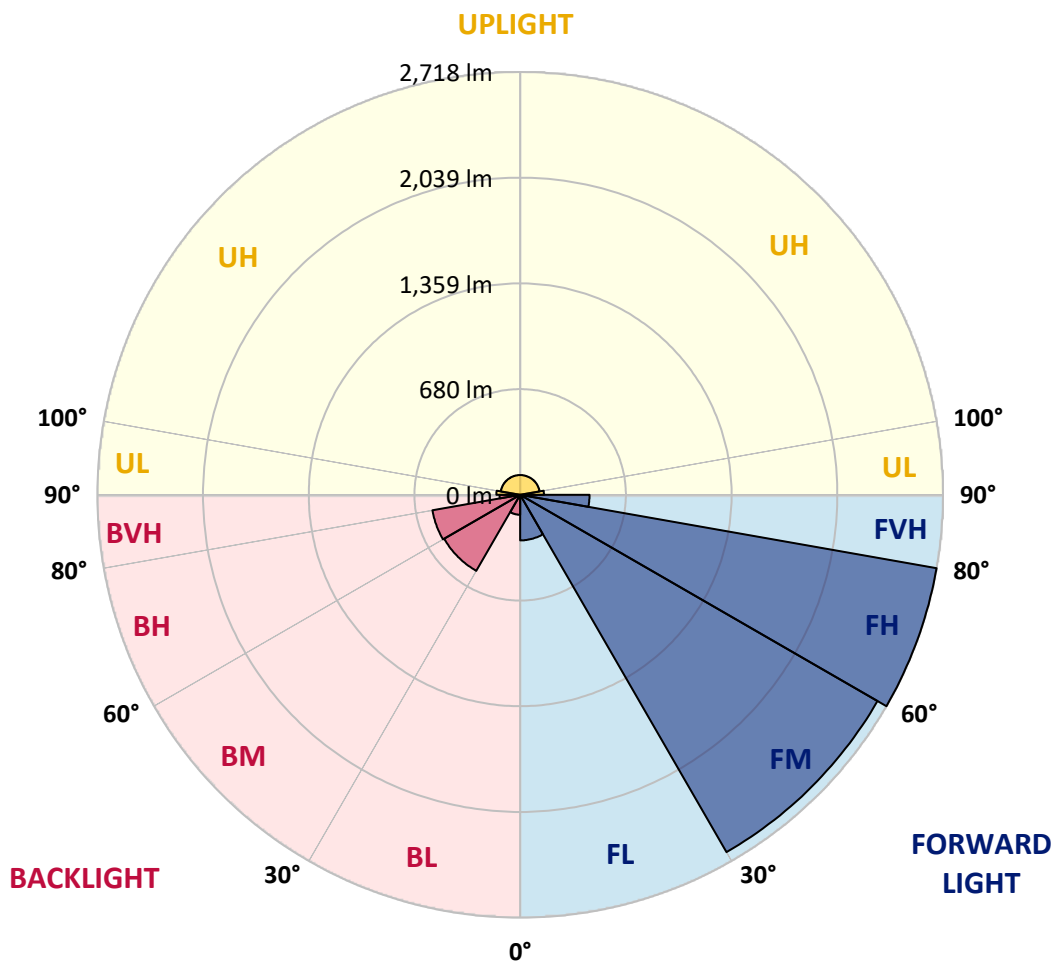
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.8	3.8			
FM (30°-60°)	2652.1	34.1			
FH (60°-80°)	2718.0	34.9			G2/5000
FVH (80°-90°)	445.8	5.7			G3/500
BL (0°-30°)	128.3	1.6	B1/500		
BM (30°-60°)	564.4	7.3	B1/1000		
BH (60°-80°)	572.9	7.4	B2/1000		G2/1000
BVH (80°-90°)	133.1	1.7			G2/225
UL (90°-100°)	153.0	2.0		U3/500	
UH (100°-180°)	126.9	1.6		U3/500	

BUG Rating: B2-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°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	218.7	219.6	218.7	218.7	216.8	215.9	210.4	206.8	204.0	202.2	199.4
5°	253.4	255.3	254.3	254.3	249.8	247.0	240.6	233.3	227.8	226.9	218.7
7.5°	300.1	299.2	295.5	294.6	292.8	288.2	279.0	268.1	262.6	260.7	248.9
10°	357.7	353.1	355.0	348.6	344.9	337.6	329.4	321.1	310.1	310.1	293.7
12.5°	415.4	425.4	422.7	413.5	406.2	394.3	384.3	381.5	368.7	370.5	355.0
15°	509.6	508.7	500.4	494.0	479.4	464.8	455.6	449.2	445.6	442.8	425.4
17.5°	609.3	603.8	597.4	578.2	557.2	544.4	536.1	529.7	534.3	533.4	512.3
20°	724.6	718.2	709.0	674.3	646.8	626.7	622.1	629.4	632.2	639.5	618.5
22.5°	852.7	849.9	828.0	788.6	742.0	715.4	710.9	728.3	749.3	753.0	738.3
25°	1006.4	1002.7	972.5	915.8	854.5	814.3	814.3	841.7	876.5	884.7	877.4
27.5°	1171.1	1161.9	1122.6	1053.0	968.9	916.7	910.3	959.7	1008.2	1032.0	1022.9
30°	1360.4	1358.6	1293.7	1208.6	1107.9	1024.7	1021.9	1094.2	1162.8	1173.8	1175.6
32.5°	1555.3	1570.9	1495.9	1368.7	1247.0	1149.1	1144.5	1226.0	1321.1	1340.3	1340.3
35°	1780.4	1781.3	1688.9	1562.6	1396.1	1284.5	1271.7	1368.7	1474.8	1501.3	1516.0
37.5°	2007.3	2001.8	1918.5	1744.7	1558.1	1423.6	1411.7	1526.0	1646.8	1689.8	1687.1
40°	2230.5	2246.1	2140.9	1948.7	1723.7	1587.3	1558.1	1692.6	1831.6	1880.1	1860.9
42.5°	2471.1	2467.5	2373.2	2159.2	1908.5	1745.6	1728.2	1867.3	2021.9	2076.8	2059.4
45°	2681.6	2679.7	2577.3	2363.2	2085.0	1928.6	1904.8	2052.1	2246.1	2297.3	2261.6
47.5°	2875.5	2870.9	2764.8	2547.1	2239.7	2103.3	2105.2	2256.1	2462.0	2546.2	2491.3
50°	3025.6	3010.0	2943.2	2708.1	2407.1	2287.2	2322.0	2499.5	2719.1	2795.0	2735.5
52.5°	3106.1	3082.3	3030.1	2820.6	2565.4	2469.3	2536.1	2746.5	2963.3	3035.6	2970.7
55°	3067.6	3067.6	3038.4	2889.2	2677.9	2635.8	2770.3	2982.6	3208.5	3288.1	3230.5
57.5°	2913.0	2936.8	2950.5	2870.9	2755.7	2800.5	3013.7	3251.5	3468.4	3556.2	3480.3
60°	2642.2	2648.6	2749.3	2772.1	2786.8	2940.5	3266.2	3549.8	3744.7	3814.2	3728.2
62.5°	2258.9	2289.1	2411.7	2580.9	2741.0	3056.7	3531.5	3849.9	4025.5	4072.2	3946.9
65°	1832.5	1825.2	2052.1	2305.5	2614.8	3090.5	3745.6	4140.8	4277.1	4339.3	4121.6
67.5°	1389.7	1385.2	1594.7	1966.1	2400.7	3054.8	3919.4	4387.8	4537.9	4539.7	4231.4
70°	985.3	992.7	1178.4	1572.7	2124.4	2892.0	3940.5	4576.3	4631.2	4609.2	4164.6
72.5°	668.8	674.3	850.9	1204.9	1758.4	2628.5	3764.8	4556.2	4543.4	4482.1	3890.1
75°	430.9	467.5	598.3	915.8	1423.6	2248.8	3423.5	4268.0	4201.2	4099.6	3413.5
77.5°	297.3	315.6	416.3	667.0	1112.5	1857.2	2939.6	3688.9	3619.3	3494.9	2752.0
80°	201.3	209.5	286.4	498.6	875.6	1460.2	2395.2	2969.7	2849.9	2721.8	2064.0
82.5°	134.5	150.0	205.9	357.7	662.4	1127.2	1821.6	2268.0	2077.7	1967.0	1450.1
85°	89.7	97.9	146.4	259.8	479.4	820.7	1311.0	1540.7	1373.3	1275.4	926.8
87.5°	60.4	67.7	104.3	185.7	355.0	596.5	878.3	995.4	860.9	799.6	560.8
90°	40.3	44.8	76.9	133.6	250.7	416.3	592.9	614.8	527.9	490.4	343.1
92.5°	28.4	32.9	57.6	98.8	175.7	289.1	380.6	372.4	311.1	292.8	221.4
95°	22.0	25.6	44.8	75.9	128.1	198.5	247.9	226.9	196.7	190.3	152.8
97.5°	19.2	21.0	37.5	61.3	97.0	140.9	161.0	153.7	132.7	129.0	111.6
100°	17.4	19.2	32.9	53.1	77.8	103.4	115.3	107.0	96.1	93.3	82.3
102.5°	16.5	17.4	29.3	45.7	64.0	81.4	88.7	79.6	71.4	70.4	63.1
105°	15.6	16.5	25.6	39.3	54.0	66.8	69.5	62.2	55.8	53.1	47.6
107.5°	14.6	14.6	22.9	34.8	46.7	55.8	57.6	50.3	43.0	41.2	37.5
110°	13.7	14.6	21.0	31.1	41.2	48.5	48.5	41.2	33.9	32.0	30.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.7	13.7	19.2	27.4	36.6	42.1	41.2	33.9	27.4	24.7	24.7
115°	12.8	13.7	18.3	25.6	32.9	36.6	34.8	28.4	22.0	20.1	21.0
117.5°	12.8	13.7	16.5	22.9	29.3	32.0	30.2	23.8	18.3	17.4	19.2
120°	12.8	13.7	16.5	21.0	25.6	28.4	26.5	20.1	16.5	15.6	17.4
122.5°	13.7	13.7	15.6	19.2	23.8	25.6	22.9	17.4	14.6	13.7	15.6
125°	13.7	13.7	15.6	18.3	22.0	22.9	20.1	15.6	12.8	12.8	14.6
127.5°	13.7	13.7	15.6	17.4	20.1	20.1	18.3	13.7	11.9	11.9	13.7
130°	13.7	13.7	14.6	16.5	18.3	18.3	15.6	11.9	11.0	11.0	12.8
132.5°	14.6	14.6	14.6	15.6	16.5	16.5	13.7	11.0	10.1	10.1	12.8
135°	13.7	13.7	13.7	14.6	14.6	14.6	11.9	10.1	9.1	10.1	11.9
137.5°	12.8	12.8	13.7	13.7	13.7	12.8	10.1	8.2	8.2	9.1	11.0
140°	12.8	11.9	12.8	12.8	11.9	11.0	9.1	7.3	7.3	8.2	9.1
142.5°	11.0	11.0	11.0	11.0	10.1	9.1	7.3	6.4	7.3	7.3	8.2
145°	10.1	10.1	10.1	9.1	9.1	7.3	5.5	5.5	5.5	6.4	7.3
147.5°	8.2	8.2	8.2	8.2	7.3	6.4	3.7	4.6	4.6	4.6	5.5
150°	6.4	6.4	7.3	6.4	5.5	4.6	2.7	3.7	4.6	4.6	4.6
152.5°	5.5	5.5	5.5	5.5	4.6	2.7	2.7	3.7	3.7	3.7	4.6
155°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7	3.7
157.5°	1.8	1.8	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	1.8	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9	194.9
2.5°	197.6	195.8	192.1	188.5	185.7	183.0	181.1	178.4	176.6	176.6	176.6
5°	213.2	211.3	202.2	193.0	184.8	177.5	172.0	165.6	162.9	160.1	161.0
7.5°	244.3	237.9	223.2	207.7	194.0	179.3	168.3	159.2	153.7	150.0	150.0
10°	286.4	276.3	254.3	230.6	207.7	186.6	170.2	157.4	148.2	144.6	144.6
12.5°	340.3	330.3	296.4	260.7	226.0	195.8	174.7	158.3	148.2	143.6	143.6
15°	412.6	395.2	349.5	298.3	247.9	206.8	179.3	165.6	159.2	156.4	156.4
17.5°	498.6	473.0	413.5	336.7	269.9	217.7	191.2	178.4	172.9	172.0	172.0
20°	599.3	567.2	477.6	375.1	287.3	231.5	201.3	190.3	188.5	189.4	189.4
22.5°	713.6	667.0	543.4	409.9	303.7	239.7	208.6	199.4	201.3	205.9	204.9
25°	834.4	785.0	615.7	441.0	314.7	243.4	213.2	207.7	215.0	220.5	220.5
27.5°	975.3	898.4	681.6	462.9	317.5	240.6	214.1	211.3	221.4	229.6	231.5
30°	1118.9	1020.1	738.3	476.7	312.0	234.2	210.4	212.3	224.1	235.1	236.0
32.5°	1264.4	1135.4	785.0	479.4	302.8	226.0	206.8	210.4	223.2	235.1	237.0
35°	1408.9	1243.3	816.1	469.3	288.2	217.7	200.4	206.8	219.6	233.3	235.1
37.5°	1550.7	1345.8	835.3	452.9	273.6	210.4	195.8	202.2	215.0	230.6	232.4
40°	1705.4	1455.6	846.3	433.7	258.9	204.0	193.0	199.4	212.3	226.9	229.6
42.5°	1847.2	1556.2	847.2	409.9	247.9	201.3	191.2	196.7	208.6	224.1	226.9
45°	2032.0	1659.6	847.2	389.7	240.6	200.4	191.2	195.8	206.8	223.2	226.9
47.5°	2206.7	1778.6	849.0	372.4	237.0	202.2	193.0	194.9	204.0	223.2	226.9
50°	2409.8	1892.9	863.7	359.6	236.0	205.9	195.8	194.0	201.3	221.4	226.0
52.5°	2612.0	2043.9	882.0	350.4	237.9	209.5	197.6	194.0	198.5	216.8	222.3
55°	2833.4	2187.5	902.1	351.3	241.5	213.2	200.4	193.0	194.9	209.5	215.0
57.5°	3054.8	2355.9	946.0	356.8	246.1	217.7	203.1	193.0	190.3	201.3	205.9
60°	3248.8	2504.1	991.7	368.7	252.5	222.3	204.9	192.1	186.6	193.0	196.7
62.5°	3453.7	2666.0	1028.3	378.8	259.8	226.0	204.9	191.2	183.9	188.5	190.3
65°	3587.3	2762.1	1047.6	391.6	267.1	228.7	205.9	189.4	183.0	185.7	187.6
67.5°	3655.9	2777.6	1034.7	396.1	273.6	230.6	204.9	187.6	183.9	185.7	187.6
70°	3574.5	2674.2	973.4	393.4	275.4	230.6	203.1	185.7	183.9	186.6	187.6
72.5°	3279.9	2425.4	882.9	379.7	272.6	226.9	200.4	183.0	183.0	187.6	187.6
75°	2824.3	2067.7	763.9	358.6	265.3	221.4	194.9	178.4	180.2	186.6	186.6
77.5°	2261.6	1635.8	629.4	328.4	251.6	212.3	187.6	172.0	176.6	183.9	183.0
80°	1683.4	1218.6	506.9	294.6	233.3	199.4	177.5	164.7	171.1	177.5	175.7
82.5°	1121.7	855.4	400.7	258.9	214.1	186.6	166.5	154.6	162.9	169.3	166.5
85°	728.3	570.0	310.1	223.2	194.0	172.0	152.8	143.6	151.9	157.4	154.6
87.5°	453.8	382.4	236.0	190.3	172.9	155.5	140.9	130.8	139.1	144.6	140.9
90°	300.1	256.2	185.7	164.7	153.7	140.0	126.3	118.9	127.2	129.0	126.3
92.5°	197.6	181.1	151.0	140.9	135.4	124.4	114.4	108.0	114.4	115.3	113.4
95°	141.8	137.2	124.4	122.6	119.9	110.7	102.5	97.0	100.6	101.6	97.9
97.5°	108.0	107.0	106.1	106.1	104.3	97.9	90.6	86.0	87.8	86.9	84.2
100°	84.2	86.0	88.7	90.6	89.7	85.1	79.6	75.9	76.9	73.2	70.4
102.5°	65.9	69.5	74.1	76.9	76.9	73.2	70.4	66.8	64.0	59.5	58.6
105°	52.1	54.9	61.3	65.9	65.9	64.0	61.3	56.7	54.0	48.5	48.5
107.5°	41.2	44.8	52.1	55.8	56.7	54.9	53.1	49.4	44.8	39.3	39.3
110°	32.9	35.7	43.9	47.6	48.5	47.6	45.7	41.2	36.6	32.9	32.9



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CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.4	30.2	36.6	40.3	42.1	41.2	39.3	34.8	30.2	27.4	27.4
115°	23.8	26.5	31.1	34.8	35.7	35.7	32.9	30.2	24.7	23.8	23.8
117.5°	21.0	22.9	27.4	30.2	32.0	31.1	28.4	25.6	22.0	21.0	21.0
120°	19.2	21.0	24.7	27.4	27.4	26.5	24.7	22.0	19.2	18.3	19.2
122.5°	17.4	19.2	22.0	23.8	23.8	23.8	22.0	19.2	16.5	16.5	17.4
125°	16.5	17.4	20.1	21.0	22.0	21.0	19.2	16.5	14.6	15.6	15.6
127.5°	15.6	16.5	18.3	19.2	19.2	18.3	16.5	14.6	12.8	13.7	14.6
130°	14.6	15.6	16.5	17.4	17.4	16.5	14.6	12.8	11.9	12.8	12.8
132.5°	12.8	13.7	14.6	15.6	14.6	14.6	12.8	11.0	11.0	11.9	11.9
135°	11.9	12.8	12.8	13.7	12.8	12.8	11.0	10.1	10.1	11.0	11.0
137.5°	11.0	11.9	11.9	11.9	11.0	11.0	10.1	9.1	9.1	9.1	10.1
140°	10.1	10.1	10.1	10.1	9.1	9.1	8.2	7.3	8.2	8.2	8.2
142.5°	9.1	9.1	9.1	8.2	8.2	7.3	6.4	6.4	7.3	7.3	7.3
145°	7.3	7.3	7.3	6.4	6.4	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	5.5	4.6	4.6	4.6	4.6	5.5	5.5	5.5
150°	5.5	5.5	5.5	4.6	3.7	3.7	2.7	3.7	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	4.6	3.7	2.7	0.9	1.8	2.7	2.7	2.7	2.7
157.5°	3.7	3.7	3.7	2.7	1.8	0.9	1.8	1.8	2.7	1.8	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	0.9	0.9	0.9
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)