

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: P416421

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7877 lumens
Efficiency: N/A
Efficacy: 106.4 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 - G4

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

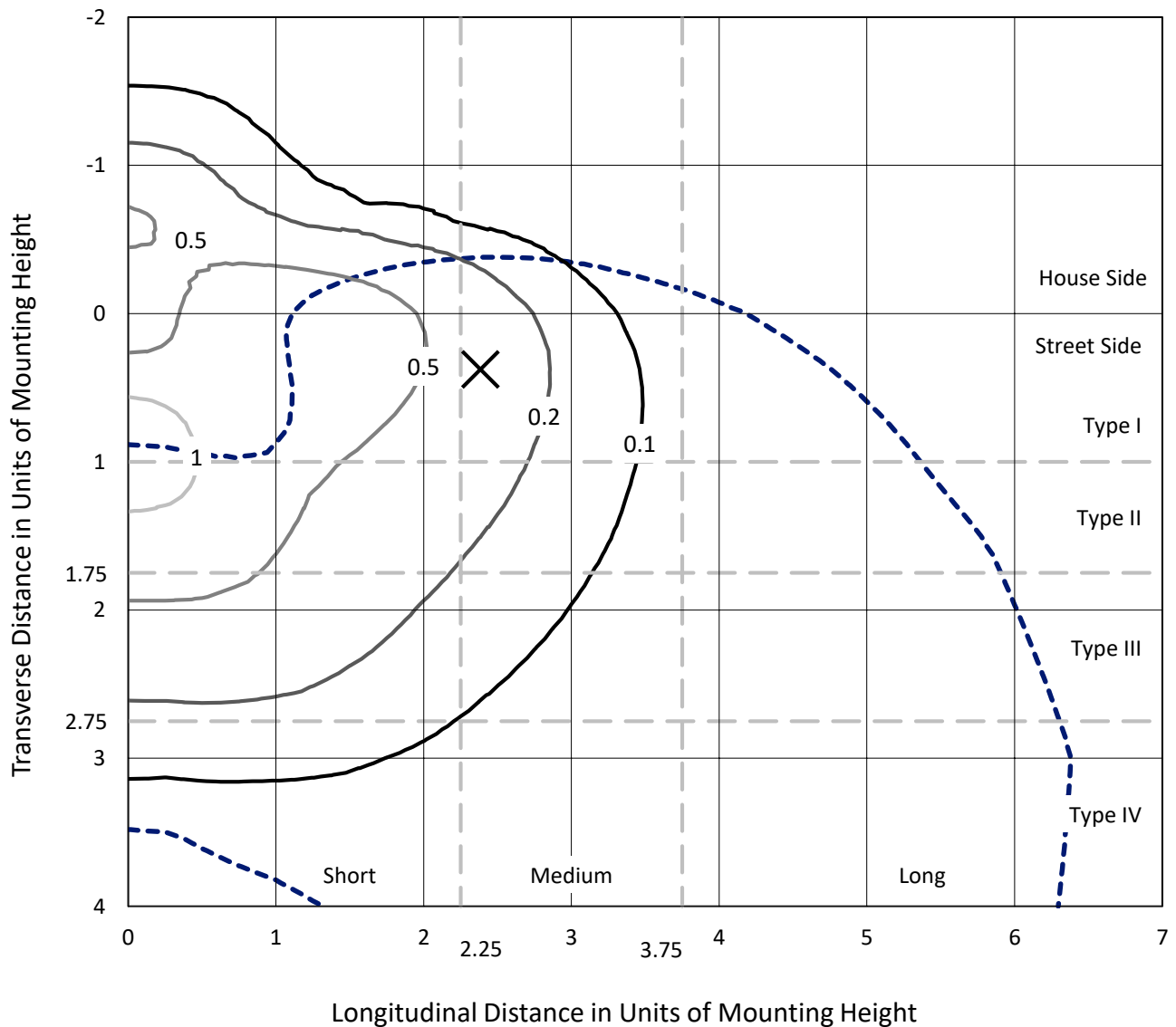


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

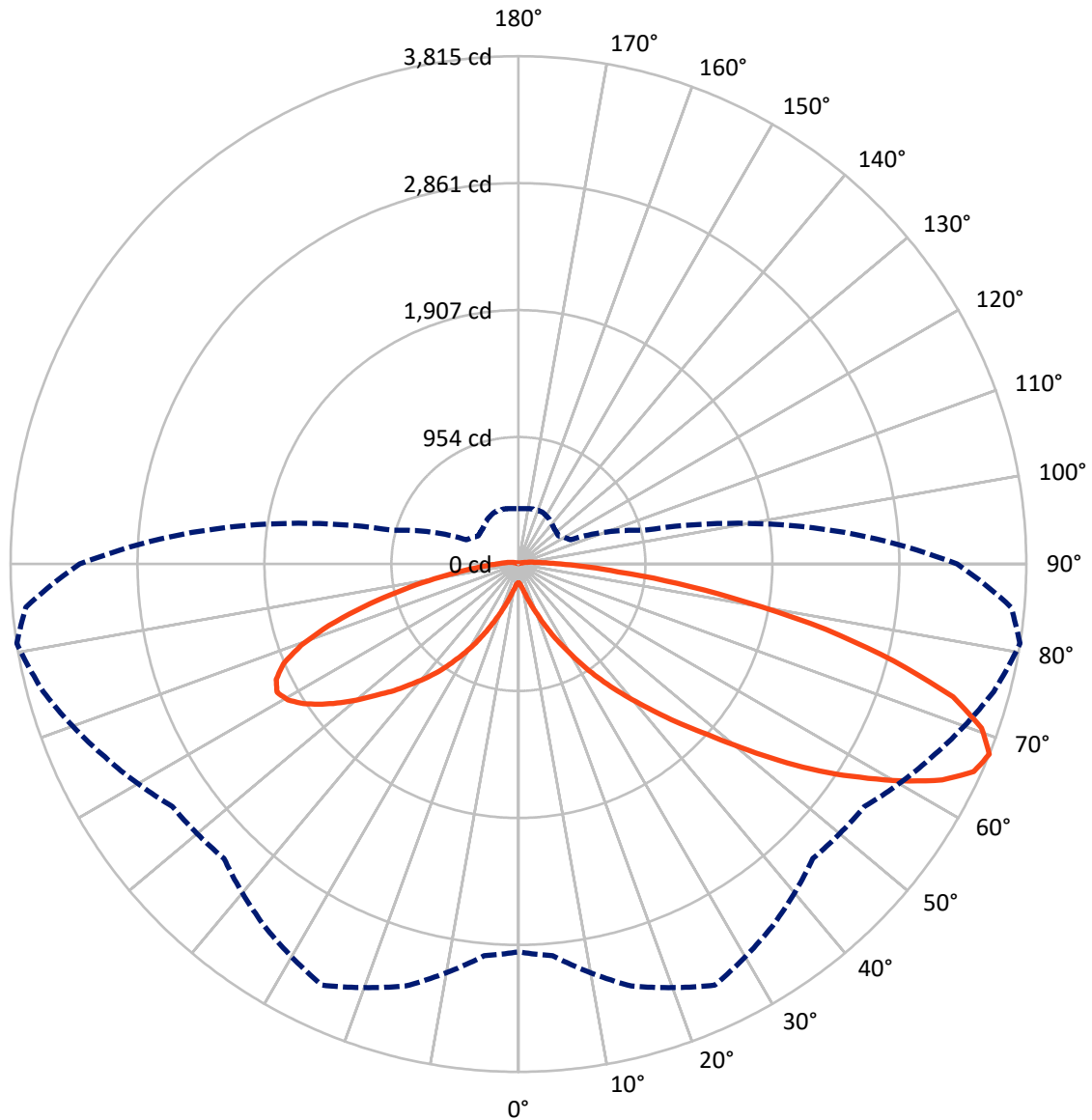


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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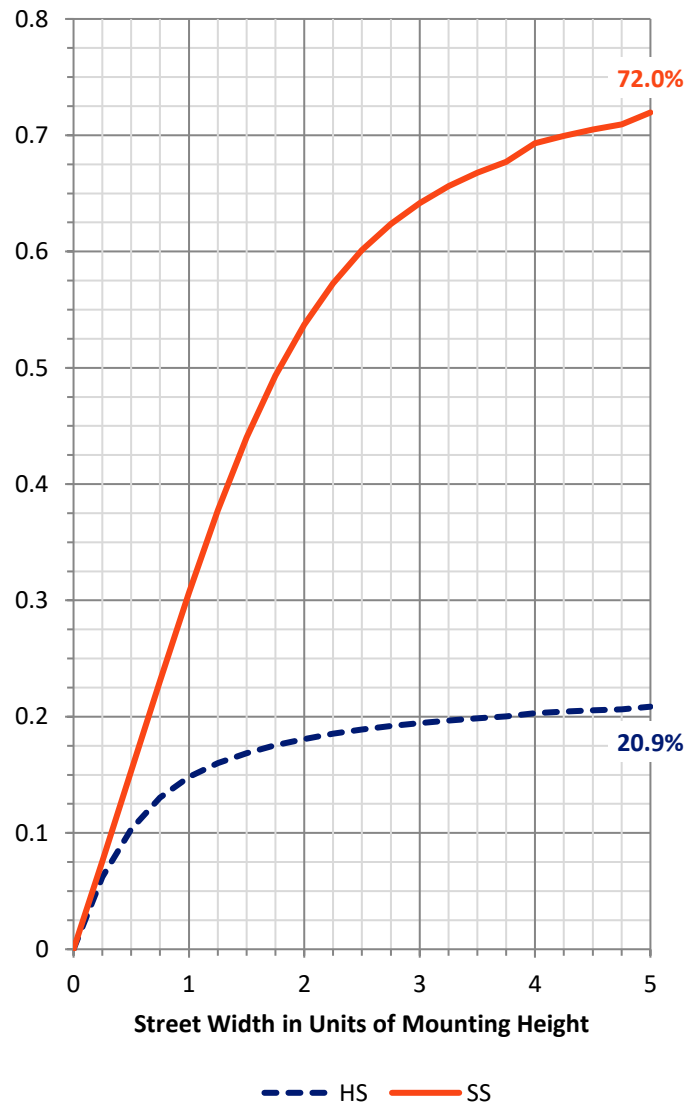
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.3	122.6	1846.9
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	5875.9	154.2	6030.1
	% Fixture	74.6	2.0	76.6
Total	Lumens	7600.2	276.8	7877.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.2
10°-20°	81.3	1.0
20°-30°	242.6	3.1
30°-40°	526.6	6.7
40°-50°	923.4	11.7
50°-60°	1463.3	18.6
60°-70°	1974.7	25.1
70°-80°	1694.3	21.5
80°-90°	677.8	8.6
90°-100°	165.0	2.1
100°-110°	57.9	0.7
110°-120°	26.5	0.3
120°-130°	14.3	0.2
130°-140°	8.0	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7600.2	96.5
0°-180°	7877.0	100.0

Coefficient of Utilization



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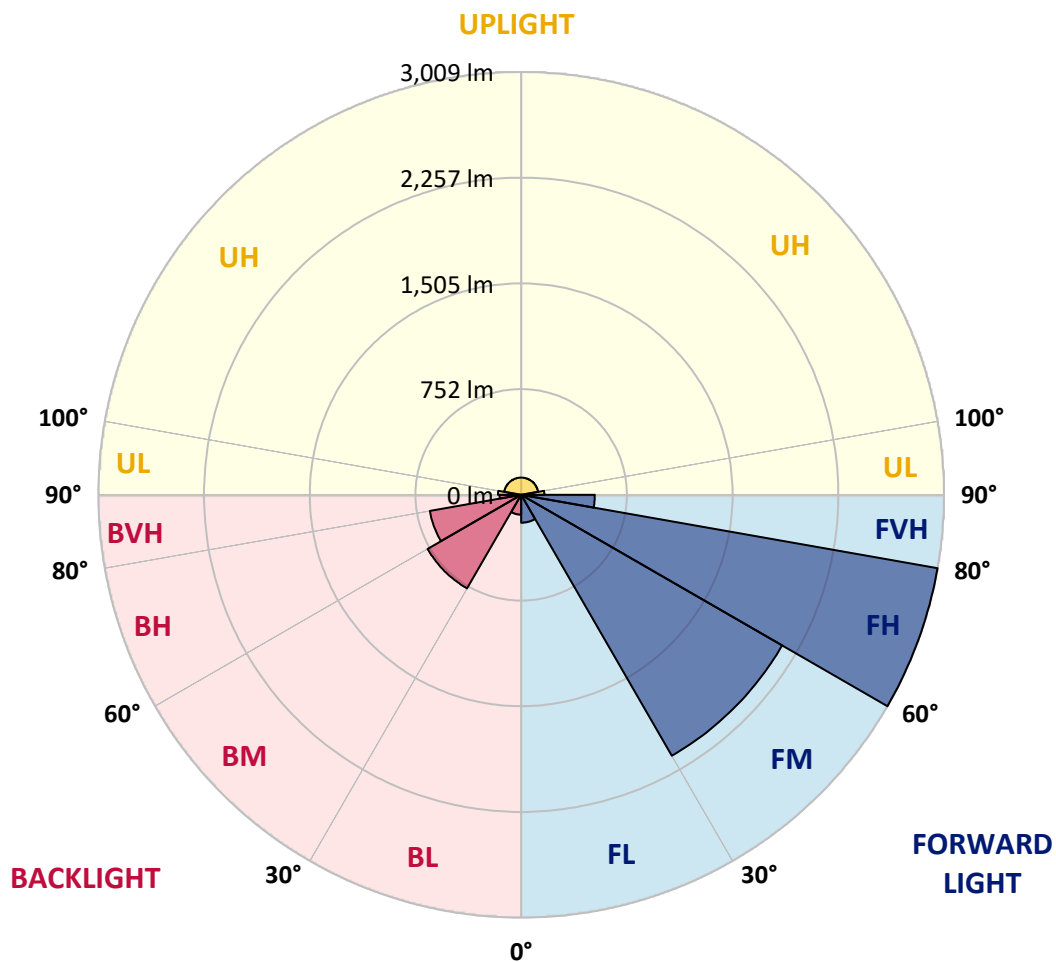
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.7	2.5			
FM (30°-60°)	2144.0	27.2			
FH (60°-80°)	3009.2	38.2			G2/5000
FVH (80°-90°)	523.9	6.7			G4/750
BL (0°-30°)	141.4	1.8	B1/500		
BM (30°-60°)	769.2	9.8	B1/1000		
BH (60°-80°)	659.7	8.4	B2/1000		G2/1000
BVH (80°-90°)	153.9	2.0			G2/225
UL (90°-100°)	165.0	2.1		U3/500	
UH (100°-180°)	122.6	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	154.6	153.7	153.7	154.6	154.6	154.6	151.9	149.1	146.4	145.5	144.5
5°	175.6	173.8	173.8	173.8	172.9	170.2	166.5	162.8	159.2	157.4	155.5
7.5°	203.1	202.2	201.3	198.5	197.6	193.0	187.5	182.1	176.6	174.7	172.9
10°	240.6	239.7	235.1	234.2	229.6	225.1	216.8	208.6	201.3	198.5	195.8
12.5°	288.2	288.2	281.8	274.5	269.0	259.8	252.5	242.4	236.9	233.3	229.6
15°	350.4	346.7	338.5	330.3	315.6	304.6	293.7	288.2	284.5	279.9	274.5
17.5°	419.0	414.4	407.1	390.6	371.4	355.9	345.8	340.3	338.5	335.7	329.3
20°	501.3	495.8	485.8	460.2	439.1	418.1	406.2	403.4	405.3	400.7	394.3
22.5°	599.2	595.6	574.5	542.5	513.2	484.0	473.0	474.8	478.5	484.9	481.2
25°	710.8	701.7	681.6	635.8	587.3	559.0	548.0	556.2	572.7	581.8	574.5
27.5°	840.7	835.2	795.0	735.5	672.4	634.0	625.8	649.5	677.9	685.2	685.2
30°	978.0	981.6	923.1	852.6	773.0	720.0	709.9	743.8	792.3	796.8	808.7
32.5°	1151.8	1145.4	1084.1	968.8	874.6	806.0	799.6	847.1	908.4	932.2	932.2
35°	1333.8	1327.4	1252.4	1116.1	985.3	896.5	901.1	951.4	1034.7	1064.9	1069.4
37.5°	1543.3	1522.3	1440.9	1271.6	1106.0	1001.7	993.5	1069.4	1167.3	1210.3	1210.3
40°	1773.9	1762.0	1648.5	1448.2	1229.5	1110.6	1104.2	1192.0	1311.0	1358.5	1367.7
42.5°	1998.0	1982.5	1877.3	1619.3	1372.3	1225.9	1226.8	1322.9	1459.2	1525.0	1536.9
45°	2235.0	2220.3	2105.0	1829.7	1526.9	1368.6	1357.6	1477.5	1640.3	1713.5	1727.2
47.5°	2445.4	2435.3	2335.6	2039.2	1719.0	1521.4	1506.7	1644.9	1833.3	1914.8	1955.9
50°	2674.1	2661.3	2568.0	2262.4	1910.2	1684.2	1683.3	1831.5	2067.5	2166.3	2200.2
52.5°	2859.8	2845.2	2780.2	2486.5	2099.6	1874.5	1859.0	2041.0	2310.0	2451.8	2468.2
55°	3030.9	3025.4	3003.4	2727.1	2330.1	2061.1	2071.2	2287.1	2586.3	2746.3	2771.0
57.5°	3154.4	3161.7	3171.7	2968.7	2556.1	2269.7	2288.0	2534.1	2873.5	3022.6	3056.5
60°	3238.5	3264.1	3330.9	3179.1	2786.6	2497.5	2528.6	2778.4	3149.8	3309.0	3336.4
62.5°	3244.9	3272.4	3427.9	3375.8	3008.0	2730.8	2766.5	3029.9	3396.8	3573.4	3576.1
65°	3123.3	3160.8	3409.6	3481.9	3202.9	2954.0	2986.0	3254.1	3603.6	3760.0	3703.3
67.5°	2913.8	2953.1	3282.4	3491.0	3323.6	3127.8	3173.6	3427.9	3696.9	3814.9	3714.2
70°	2610.0	2648.5	2995.2	3352.9	3345.6	3230.3	3290.7	3499.3	3679.5	3691.4	3549.6
72.5°	2211.2	2207.5	2581.7	3051.0	3223.9	3222.1	3318.1	3445.3	3481.0	3414.2	3203.8
75°	1693.4	1740.9	2082.2	2614.6	2946.7	3076.6	3173.6	3222.1	3119.6	2912.8	2685.1
77.5°	1213.1	1252.4	1562.5	2061.1	2535.0	2774.7	2881.7	2858.9	2604.5	2362.1	2100.5
80°	803.2	826.1	1085.0	1538.8	2043.8	2321.9	2450.9	2363.0	2040.1	1730.0	1504.0
82.5°	482.1	519.6	682.5	1081.3	1515.9	1835.2	1913.8	1767.5	1456.4	1203.9	1038.3
85°	291.8	300.1	424.5	691.6	1058.5	1320.1	1395.1	1237.8	957.8	752.0	623.9
87.5°	163.8	178.4	262.6	450.1	711.7	916.7	943.2	815.1	601.0	466.6	390.6
90°	96.1	106.1	161.0	279.0	453.8	592.8	600.1	493.1	355.9	280.9	249.8
92.5°	61.3	68.6	107.0	179.3	291.8	385.1	375.1	304.6	227.8	187.5	161.9
95°	43.9	47.6	75.0	123.5	195.8	242.4	238.8	191.2	152.8	130.8	118.9
97.5°	32.9	36.6	58.5	90.6	131.7	162.8	159.2	127.2	106.1	96.1	91.5
100°	27.4	29.3	47.6	71.4	97.9	117.1	115.3	94.2	79.6	72.3	70.4
102.5°	23.8	25.6	39.3	57.6	77.8	90.6	86.9	73.2	60.4	54.0	52.1
105°	21.0	22.0	33.8	49.4	64.0	71.4	70.4	58.5	46.7	40.3	39.3
107.5°	19.2	20.1	29.3	42.1	54.0	60.4	58.5	47.6	35.7	31.1	30.2
110°	17.4	18.3	25.6	36.6	45.7	51.2	48.5	39.3	28.4	23.8	23.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	16.5	16.5	22.9	31.1	39.3	43.9	41.2	32.0	22.0	19.2	20.1
115°	15.6	15.6	20.1	27.4	34.8	38.4	34.8	26.5	18.3	16.5	16.5
117.5°	14.6	14.6	18.3	24.7	31.1	33.8	30.2	22.9	15.6	13.7	14.6
120°	13.7	14.6	17.4	22.0	27.4	29.3	26.5	19.2	12.8	12.8	13.7
122.5°	13.7	13.7	16.5	20.1	24.7	25.6	22.9	16.5	11.9	11.9	11.9
125°	13.7	13.7	15.6	18.3	22.0	22.9	19.2	13.7	11.0	11.0	11.0
127.5°	13.7	13.7	14.6	17.4	19.2	20.1	17.4	12.8	10.1	10.1	11.0
130°	12.8	13.7	13.7	15.6	17.4	17.4	14.6	11.0	9.1	9.1	10.1
132.5°	12.8	12.8	13.7	14.6	15.6	15.6	12.8	10.1	8.2	9.1	9.1
135°	12.8	12.8	12.8	13.7	14.6	13.7	11.0	8.2	7.3	8.2	8.2
137.5°	11.9	11.9	11.9	12.8	12.8	11.9	10.1	7.3	7.3	7.3	7.3
140°	11.0	11.0	11.0	11.0	11.9	11.0	8.2	6.4	6.4	6.4	6.4
142.5°	10.1	10.1	10.1	10.1	10.1	9.1	7.3	5.5	5.5	5.5	5.5
145°	9.1	9.1	9.1	9.1	8.2	7.3	5.5	4.6	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	7.3	6.4	4.6	3.7	4.6	4.6	4.6
150°	6.4	6.4	6.4	6.4	5.5	5.5	3.7	3.7	3.7	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	3.7	2.7	2.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	2.7	1.8	2.7	3.7	3.7	3.7
157.5°	1.8	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	2.7	1.8	1.8	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°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	144.5	143.6	142.7	141.8	140.9	140.9	140.0	139.1	138.1	137.2	137.2
5°	154.6	152.8	150.0	148.2	146.4	146.4	144.5	143.6	141.8	140.9	140.9
7.5°	170.2	169.2	163.8	161.0	158.3	157.4	155.5	153.7	151.9	151.9	151.9
10°	193.0	190.3	185.7	178.4	175.6	173.8	171.1	169.2	169.2	170.2	170.2
12.5°	227.8	220.5	214.1	204.0	198.5	194.9	193.0	193.9	198.5	200.3	198.5
15°	268.0	266.2	250.7	236.0	225.1	217.7	222.3	227.8	234.2	236.0	238.8
17.5°	323.9	317.4	296.4	275.4	255.2	251.6	257.1	266.2	273.5	279.0	283.6
20°	390.6	379.7	354.0	317.4	294.6	289.1	292.7	305.6	319.3	330.3	331.2
22.5°	474.8	458.3	412.6	366.9	333.0	323.9	328.4	348.6	368.7	382.4	381.5
25°	566.3	546.2	484.9	419.0	372.3	355.9	364.1	390.6	419.0	435.5	437.3
27.5°	668.7	648.6	563.5	469.3	408.0	383.3	397.0	427.2	465.7	485.8	489.4
30°	789.5	762.1	642.2	523.3	441.0	408.9	421.7	461.1	503.2	531.5	535.2
32.5°	914.8	871.8	720.9	567.2	463.8	425.4	440.0	485.8	534.3	565.4	570.9
35°	1044.7	991.7	800.5	604.7	480.3	435.5	450.1	501.3	552.6	586.4	591.0
37.5°	1191.1	1120.7	872.8	633.1	489.4	438.2	452.8	504.1	556.2	589.2	593.7
40°	1338.4	1244.2	933.1	650.5	490.4	435.5	447.4	496.8	546.2	574.5	579.1
42.5°	1496.7	1374.1	993.5	655.0	485.8	428.1	438.2	482.1	524.2	546.2	548.9
45°	1674.2	1524.1	1044.7	651.4	473.0	417.2	424.5	462.0	494.9	505.0	509.6
47.5°	1861.7	1672.3	1084.1	640.4	460.2	405.3	409.8	441.0	462.0	462.9	463.8
50°	2090.4	1852.5	1132.6	624.8	442.8	394.3	397.0	421.7	431.8	427.2	425.4
52.5°	2341.1	2045.6	1163.7	600.1	427.2	384.2	387.0	406.2	409.8	399.8	400.7
55°	2613.7	2225.8	1190.2	576.3	410.8	377.8	383.3	398.9	398.9	386.1	385.1
57.5°	2868.0	2409.7	1202.1	546.2	397.0	373.3	382.4	398.0	396.1	384.2	383.3
60°	3114.1	2559.7	1187.5	516.9	387.9	371.4	387.9	404.4	402.5	392.5	391.6
62.5°	3284.3	2653.9	1150.9	487.6	379.7	374.2	394.3	413.5	413.5	402.5	402.5
65°	3357.5	2643.0	1075.9	458.3	373.3	376.0	403.4	423.6	421.7	412.6	410.8
67.5°	3296.2	2543.3	975.2	430.0	367.8	377.8	408.0	429.1	427.2	417.2	415.3
70°	3099.5	2333.8	853.5	404.4	360.4	375.1	409.8	428.1	425.4	416.3	412.6
72.5°	2707.9	2008.1	726.4	379.7	349.5	368.7	404.4	420.8	418.1	410.8	406.2
75°	2230.4	1619.3	600.1	352.2	335.7	356.8	392.5	407.1	403.4	397.0	392.5
77.5°	1705.3	1223.1	495.8	326.6	319.3	341.2	376.0	387.0	383.3	377.8	375.1
80°	1206.7	870.9	398.9	298.2	295.5	317.4	346.7	358.6	356.8	351.3	346.7
82.5°	794.1	579.1	318.4	266.2	268.0	290.9	312.9	319.3	318.4	313.8	308.3
85°	489.4	381.5	250.7	229.6	237.9	256.2	274.5	275.4	272.6	271.7	263.5
87.5°	312.0	260.7	196.7	194.9	206.8	222.3	230.5	226.9	228.7	228.7	222.3
90°	203.1	183.0	157.4	162.8	175.6	187.5	191.2	181.1	186.6	183.9	181.1
92.5°	147.3	136.3	128.1	135.4	148.2	159.2	157.4	146.4	149.1	149.1	148.2
95°	111.6	106.1	107.0	114.4	124.4	131.7	128.1	118.9	119.8	118.0	115.3
97.5°	87.8	86.9	90.6	96.1	105.2	109.8	106.1	97.9	97.0	94.2	93.3
100°	69.5	70.4	75.9	82.3	87.8	91.5	88.7	80.5	76.8	72.3	71.4
102.5°	54.0	55.8	63.1	68.6	74.1	76.8	74.1	67.7	61.3	56.7	55.8
105°	42.1	43.9	52.1	57.6	62.2	64.0	62.2	54.9	48.5	43.0	43.0
107.5°	32.9	34.8	43.0	49.4	52.1	54.0	51.2	45.7	38.4	33.8	33.8
110°	26.5	28.4	35.7	41.2	43.9	45.7	43.0	36.6	31.1	27.4	27.4



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CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	23.8	29.3	34.8	37.5	38.4	35.7	31.1	24.7	22.9	22.9
115°	18.3	20.1	24.7	29.3	32.0	32.0	30.2	25.6	20.1	19.2	19.2
117.5°	15.6	17.4	21.0	25.6	27.4	27.4	25.6	21.0	17.4	16.5	16.5
120°	14.6	15.6	18.3	22.0	23.8	23.8	22.0	18.3	14.6	14.6	14.6
122.5°	12.8	13.7	16.5	19.2	21.0	21.0	19.2	15.6	12.8	13.7	13.7
125°	11.9	12.8	14.6	16.5	18.3	18.3	16.5	13.7	11.9	11.9	11.9
127.5°	11.0	11.9	12.8	14.6	15.6	15.6	14.6	11.9	11.0	11.0	11.0
130°	10.1	11.0	11.9	12.8	13.7	13.7	11.9	10.1	10.1	10.1	10.1
132.5°	10.1	10.1	10.1	11.0	11.9	11.9	11.0	9.1	9.1	9.1	9.1
135°	9.1	9.1	9.1	9.1	10.1	10.1	9.1	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	9.1	9.1	8.2	7.3	7.3	7.3	7.3
140°	7.3	7.3	7.3	6.4	7.3	7.3	6.4	6.4	6.4	6.4	6.4
142.5°	5.5	6.4	5.5	5.5	5.5	5.5	5.5	4.6	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	4.6	4.6	4.6	3.7	4.6	4.6	4.6
147.5°	4.6	4.6	4.6	3.7	2.7	3.7	2.7	3.7	3.7	3.7	3.7
150°	4.6	4.6	3.7	3.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
155°	3.7	3.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.7	2.7	2.7	1.8	0.9	0.9	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

(END OF REPORT)