

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: P413925

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413925
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-PA1-100-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA 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: 9400 lumens
Efficiency: N/A
Efficacy: 97.9 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

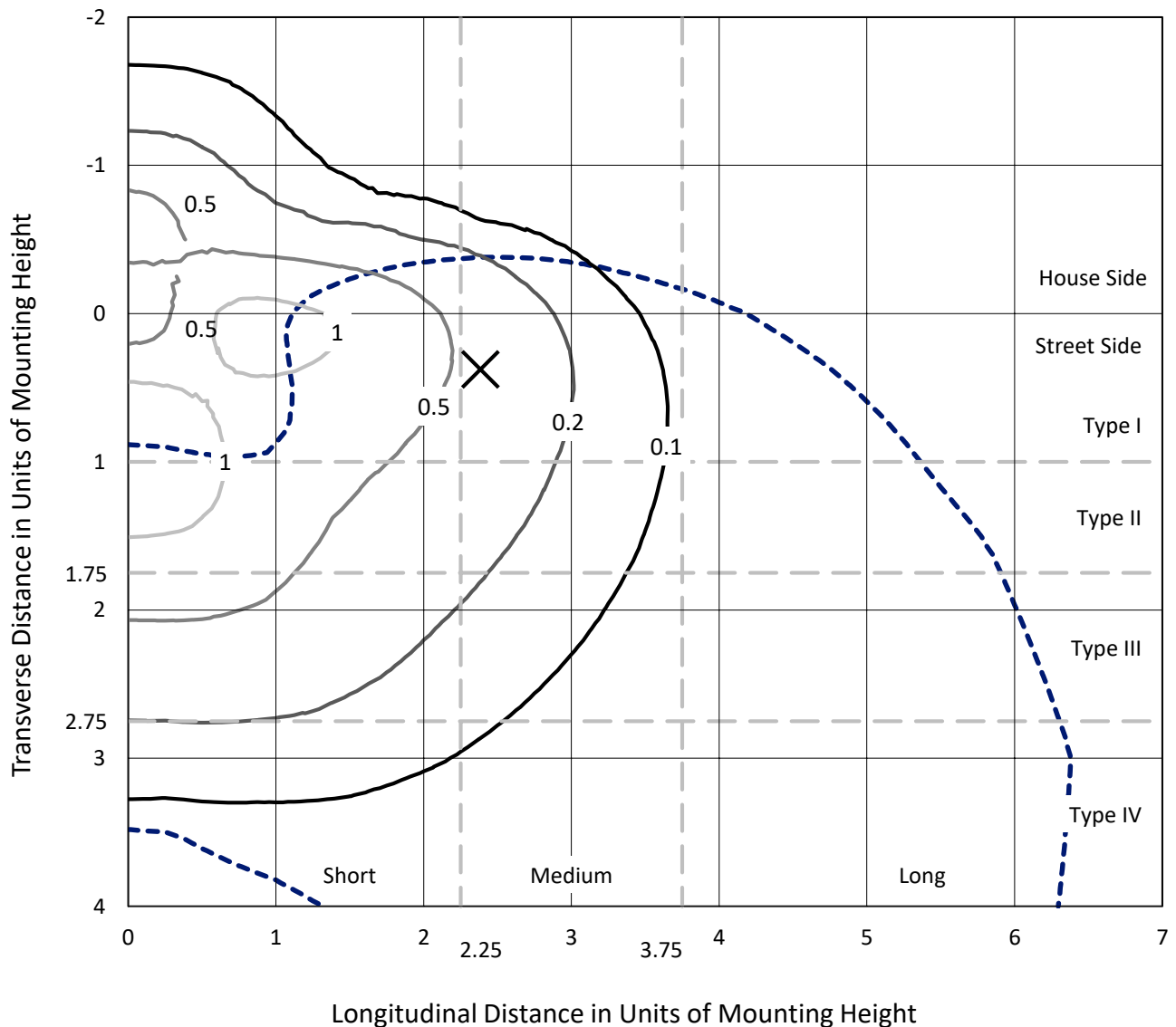
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

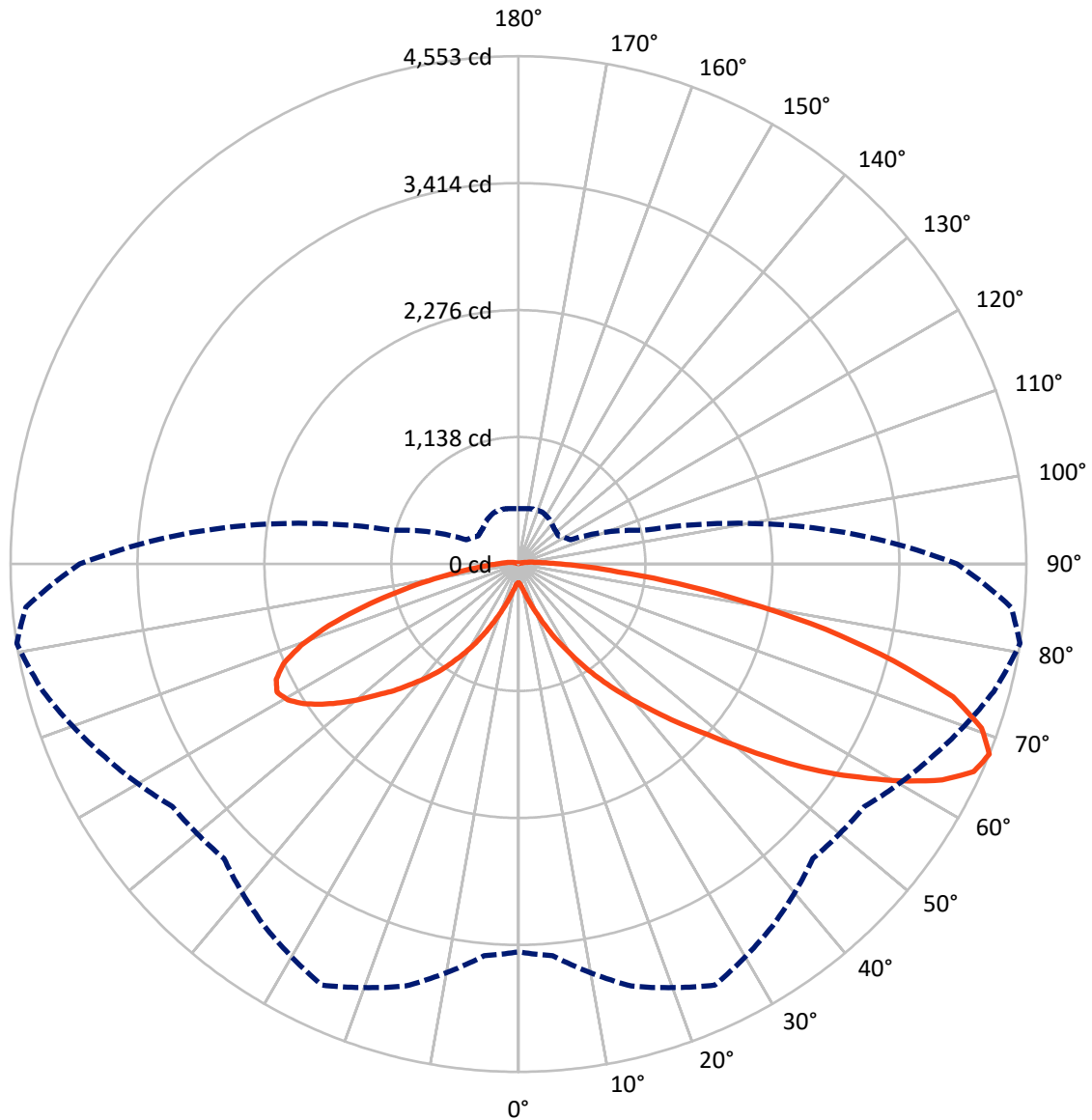


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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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	2057.7	146.4	2204.0
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	7012.0	184.0	7196.0
	% Fixture	74.6	2.0	76.6
Total	Lumens	9069.7	330.4	9400.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.2
10°-20°	97.0	1.0
20°-30°	289.5	3.1
30°-40°	628.4	6.7
40°-50°	1101.9	11.7
50°-60°	1746.2	18.6
60°-70°	2356.5	25.1
70°-80°	2021.9	21.5
80°-90°	808.9	8.6
90°-100°	196.8	2.1
100°-110°	69.1	0.7
110°-120°	31.7	0.3
120°-130°	17.1	0.2
130°-140°	9.6	0.1
140°-150°	4.5	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9069.7	96.5
0°-180°	9400.0	100.0



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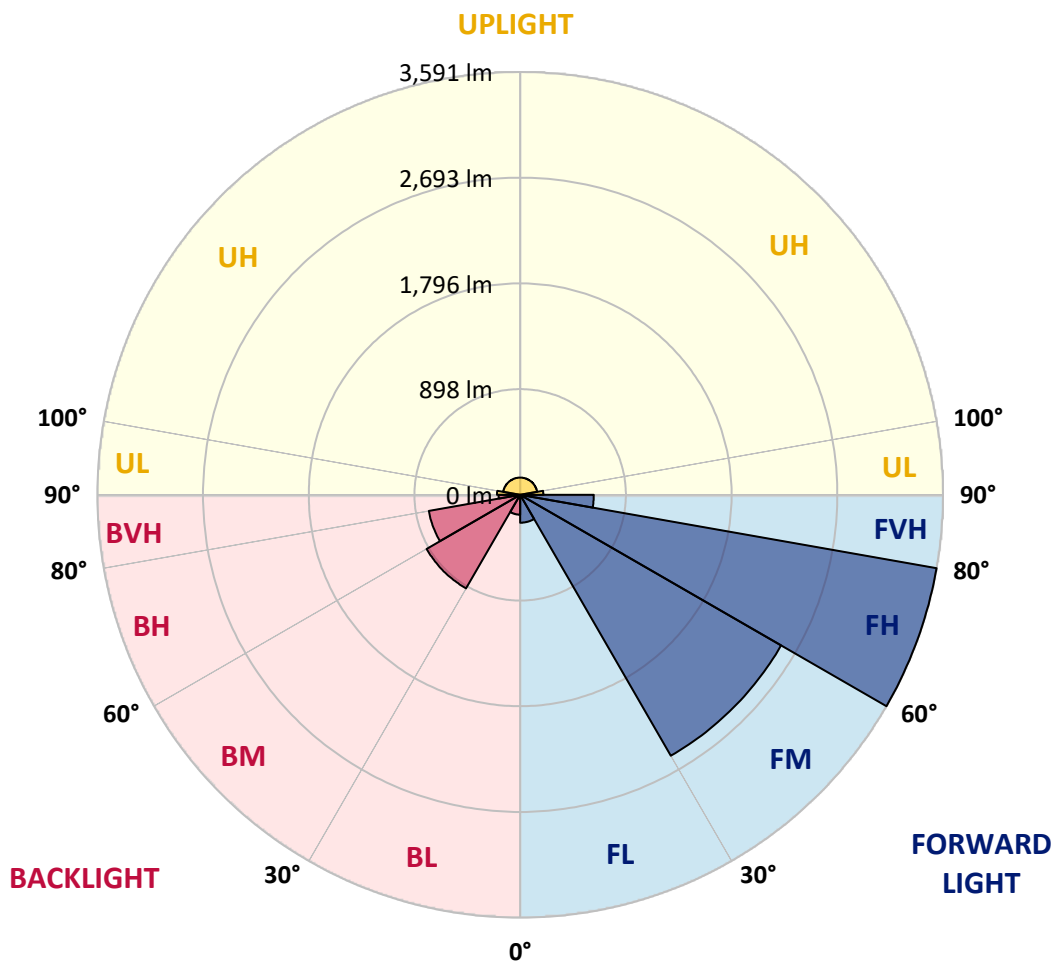
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.2	2.5			
FM	(30°-60°)	2558.6	27.2			
FH	(60°-80°)	3591.0	38.2			G2/5000
FVH	(80°-90°)	625.2	6.7			G4/750
BL	(0°-30°)	168.8	1.8	B1/500		
BM	(30°-60°)	917.9	9.8	B1/1000		
BH	(60°-80°)	787.3	8.4	B2/1000		G2/1000
BVH	(80°-90°)	183.7	2.0			G2/225
UL	(90°-100°)	196.8	2.1		U3/500	
UH	(100°-180°)	146.4	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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	184.5	183.4	183.4	184.5	184.5	184.5	181.2	178.0	174.7	173.6	172.5
5°	209.6	207.4	207.4	207.4	206.3	203.1	198.7	194.3	190.0	187.8	185.6
7.5°	242.4	241.3	240.2	236.9	235.8	230.4	223.8	217.3	210.7	208.5	206.3
10°	287.1	286.0	280.6	279.5	274.0	268.6	258.7	248.9	240.2	236.9	233.6
12.5°	343.9	343.9	336.3	327.5	321.0	310.0	301.3	289.3	282.8	278.4	274.0
15°	418.1	413.8	403.9	394.1	376.6	363.5	350.4	343.9	339.5	334.1	327.5
17.5°	500.0	494.5	485.8	466.2	443.2	424.7	412.7	406.1	403.9	400.7	393.0
20°	598.3	591.7	579.7	549.1	524.0	498.9	484.7	481.4	483.6	478.2	470.5
22.5°	715.1	710.7	685.6	647.4	612.5	577.5	564.4	566.6	571.0	578.6	574.2
25°	848.3	837.4	813.3	758.7	700.9	667.0	653.9	663.8	683.4	694.3	685.6
27.5°	1003.3	996.7	948.7	877.7	802.4	756.6	746.7	775.1	809.0	817.7	817.7
30°	1167.1	1171.4	1101.5	1017.5	922.5	859.2	847.2	887.6	945.4	950.9	965.1
32.5°	1374.5	1366.8	1293.7	1156.1	1043.7	961.8	954.2	1010.9	1084.1	1112.5	1112.5
35°	1591.7	1584.1	1494.6	1331.9	1175.8	1069.9	1075.3	1135.4	1234.7	1270.8	1276.2
37.5°	1841.7	1816.6	1719.5	1517.5	1319.9	1195.4	1185.6	1276.2	1393.0	1444.3	1444.3
40°	2116.8	2102.7	1967.3	1728.2	1467.3	1325.3	1317.7	1422.5	1564.4	1621.2	1632.1
42.5°	2384.3	2365.8	2240.2	1932.3	1637.6	1462.9	1464.0	1578.6	1741.3	1819.9	1834.1
45°	2667.1	2649.6	2512.1	2183.4	1822.1	1633.2	1620.1	1763.1	1957.5	2044.8	2061.2
47.5°	2918.2	2906.2	2787.2	2433.4	2051.3	1815.5	1798.1	1962.9	2187.8	2285.0	2334.1
50°	3191.1	3175.8	3064.5	2699.8	2279.5	2009.9	2008.8	2185.6	2467.3	2585.2	2625.6
52.5°	3412.7	3395.3	3317.7	2967.3	2505.5	2236.9	2218.4	2435.6	2756.6	2925.8	2945.5
55°	3616.9	3610.3	3584.1	3254.4	2780.6	2459.6	2471.7	2729.3	3086.3	3277.3	3306.8
57.5°	3764.3	3773.0	3785.0	3542.6	3050.3	2708.6	2730.4	3024.1	3429.1	3607.0	3647.4
60°	3864.7	3895.3	3975.0	3793.7	3325.4	2980.4	3017.5	3315.6	3758.8	3948.8	3981.5
62.5°	3872.3	3905.1	4090.7	4028.5	3589.6	3258.8	3301.4	3615.8	4053.6	4264.3	4267.5
65°	3727.1	3771.9	4068.8	4155.1	3822.1	3525.2	3563.4	3883.3	4300.3	4487.0	4419.3
67.5°	3477.1	3524.1	3917.1	4166.0	3966.2	3732.6	3787.2	4090.7	4411.6	4552.5	4432.4
70°	3114.7	3160.5	3574.3	4001.2	3992.4	3854.9	3926.9	4175.8	4390.9	4405.1	4235.9
72.5°	2638.7	2634.3	3080.8	3640.9	3847.2	3845.0	3959.7	4111.4	4154.0	4074.3	3823.2
75°	2020.8	2077.5	2484.8	3120.1	3516.4	3671.5	3787.2	3845.0	3722.8	3476.0	3204.2
77.5°	1447.6	1494.6	1864.7	2459.6	3025.2	3311.2	3438.9	3411.6	3108.1	2818.8	2506.6
80°	958.5	985.8	1294.8	1836.3	2438.9	2770.8	2924.7	2819.9	2434.5	2064.4	1794.8
82.5°	575.3	620.1	814.4	1290.4	1809.0	2190.0	2283.9	2109.2	1738.0	1436.7	1239.1
85°	348.3	358.1	506.6	825.3	1263.1	1575.4	1664.9	1477.1	1143.0	897.4	744.6
87.5°	195.4	212.9	313.3	537.1	849.4	1093.9	1125.6	972.7	717.3	556.8	466.2
90°	114.6	126.6	192.1	333.0	541.5	707.4	716.2	588.4	424.7	335.2	298.0
92.5°	73.1	81.9	127.7	214.0	348.3	459.6	447.6	363.5	271.8	223.8	193.2
95°	52.4	56.8	89.5	147.4	233.6	289.3	284.9	228.2	182.3	156.1	141.9
97.5°	39.3	43.7	69.9	108.1	157.2	194.3	190.0	151.7	126.6	114.6	109.2
100°	32.8	34.9	56.8	85.2	116.8	139.7	137.6	112.4	95.0	86.2	84.1
102.5°	28.4	30.6	46.9	68.8	92.8	108.1	103.7	87.3	72.1	64.4	62.2
105°	25.1	26.2	40.4	59.0	76.4	85.2	84.1	69.9	55.7	48.0	46.9
107.5°	22.9	24.0	34.9	50.2	64.4	72.1	69.9	56.8	42.6	37.1	36.0
110°	20.7	21.8	30.6	43.7	54.6	61.1	57.9	46.9	33.8	28.4	28.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	19.7	19.7	27.3	37.1	46.9	52.4	49.1	38.2	26.2	22.9	24.0
115°	18.6	18.6	24.0	32.8	41.5	45.9	41.5	31.7	21.8	19.7	19.7
117.5°	17.5	17.5	21.8	29.5	37.1	40.4	36.0	27.3	18.6	16.4	17.5
120°	16.4	17.5	20.7	26.2	32.8	34.9	31.7	22.9	15.3	15.3	16.4
122.5°	16.4	16.4	19.7	24.0	29.5	30.6	27.3	19.7	14.2	14.2	14.2
125°	16.4	16.4	18.6	21.8	26.2	27.3	22.9	16.4	13.1	13.1	13.1
127.5°	16.4	16.4	17.5	20.7	22.9	24.0	20.7	15.3	12.0	12.0	13.1
130°	15.3	16.4	16.4	18.6	20.7	20.7	17.5	13.1	10.9	10.9	12.0
132.5°	15.3	15.3	16.4	17.5	18.6	18.6	15.3	12.0	9.8	10.9	10.9
135°	15.3	15.3	15.3	16.4	17.5	16.4	13.1	9.8	8.7	9.8	9.8
137.5°	14.2	14.2	14.2	15.3	15.3	14.2	12.0	8.7	8.7	8.7	8.7
140°	13.1	13.1	13.1	13.1	14.2	13.1	9.8	7.6	7.6	7.6	7.6
142.5°	12.0	12.0	12.0	12.0	12.0	10.9	8.7	6.6	6.6	6.6	6.6
145°	10.9	10.9	10.9	10.9	9.8	8.7	6.6	5.5	5.5	6.6	6.6
147.5°	8.7	8.7	8.7	8.7	8.7	7.6	5.5	4.4	5.5	5.5	5.5
150°	7.6	7.6	7.6	7.6	6.6	6.6	4.4	4.4	4.4	5.5	5.5
152.5°	5.5	5.5	5.5	6.6	5.5	4.4	3.3	3.3	4.4	4.4	4.4
155°	4.4	4.4	4.4	4.4	4.4	3.3	2.2	3.3	4.4	4.4	4.4
157.5°	2.2	3.3	3.3	3.3	3.3	3.3	2.2	3.3	3.3	3.3	3.3
160°	1.1	1.1	2.2	2.2	3.3	3.3	2.2	2.2	3.3	3.3	3.3
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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	172.5	171.4	170.3	169.2	168.1	168.1	167.0	165.9	164.8	163.8	163.8
5°	184.5	182.3	179.0	176.9	174.7	174.7	172.5	171.4	169.2	168.1	168.1
7.5°	203.1	202.0	195.4	192.1	188.9	187.8	185.6	183.4	181.2	181.2	181.2
10°	230.4	227.1	221.6	212.9	209.6	207.4	204.2	202.0	202.0	203.1	203.1
12.5°	271.8	263.1	255.5	243.5	236.9	232.5	230.4	231.4	236.9	239.1	236.9
15°	319.9	317.7	299.1	281.7	268.6	259.8	265.3	271.8	279.5	281.7	284.9
17.5°	386.5	378.8	353.7	328.6	304.6	300.2	306.8	317.7	326.4	333.0	338.4
20°	466.2	453.1	422.5	378.8	351.5	345.0	349.4	364.6	381.0	394.1	395.2
22.5°	566.6	547.0	492.4	437.8	397.4	386.5	391.9	415.9	440.0	456.3	455.2
25°	675.8	651.8	578.6	500.0	444.3	424.7	434.5	466.2	500.0	519.7	521.8
27.5°	798.0	774.0	672.5	560.1	486.9	457.4	473.8	509.8	555.7	579.7	584.1
30°	942.2	909.4	766.4	624.5	526.2	488.0	503.3	550.2	600.4	634.3	638.7
32.5°	1091.7	1040.4	860.3	676.9	553.5	507.7	525.1	579.7	637.6	674.7	681.2
35°	1246.7	1183.4	955.3	721.6	573.2	519.7	537.1	598.3	659.4	699.8	705.3
37.5°	1421.4	1337.4	1041.5	755.5	584.1	522.9	540.4	601.5	663.8	703.1	708.5
40°	1597.2	1484.7	1113.6	776.2	585.2	519.7	533.9	592.8	651.8	685.6	691.1
42.5°	1786.1	1639.8	1185.6	781.7	579.7	510.9	522.9	575.3	625.6	651.8	655.0
45°	1997.9	1818.8	1246.7	777.3	564.4	497.8	506.6	551.3	590.6	602.6	608.1
47.5°	2221.7	1995.7	1293.7	764.2	549.1	483.6	489.1	526.2	551.3	552.4	553.5
50°	2494.6	2210.7	1351.6	745.6	528.4	470.5	473.8	503.3	515.3	509.8	507.7
52.5°	2793.7	2441.1	1388.7	716.2	509.8	458.5	461.8	484.7	489.1	477.1	478.2
55°	3119.0	2656.2	1420.3	687.8	490.2	450.9	457.4	476.0	476.0	460.7	459.6
57.5°	3422.5	2875.6	1434.5	651.8	473.8	445.4	456.3	474.9	472.7	458.5	457.4
60°	3716.2	3054.6	1417.1	616.8	462.9	443.2	462.9	482.5	480.4	468.3	467.3
62.5°	3919.3	3167.1	1373.4	581.9	453.1	446.5	470.5	493.5	493.5	480.4	480.4
65°	4006.6	3154.0	1283.9	547.0	445.4	448.7	481.4	505.5	503.3	492.4	490.2
67.5°	3933.5	3035.0	1163.8	513.1	438.9	450.9	486.9	512.0	509.8	497.8	495.6
70°	3698.8	2785.0	1018.6	482.5	430.1	447.6	489.1	510.9	507.7	496.7	492.4
72.5°	3231.5	2396.3	866.8	453.1	417.0	440.0	482.5	502.2	498.9	490.2	484.7
75°	2661.6	1932.3	716.2	420.3	400.7	425.8	468.3	485.8	481.4	473.8	468.3
77.5°	2035.0	1459.6	591.7	389.7	381.0	407.2	448.7	461.8	457.4	450.9	447.6
80°	1440.0	1039.3	476.0	355.9	352.6	378.8	413.8	428.0	425.8	419.2	413.8
82.5°	947.6	691.1	379.9	317.7	319.9	347.2	373.4	381.0	379.9	374.5	367.9
85°	584.1	455.2	299.1	274.0	283.8	305.7	327.5	328.6	325.3	324.2	314.4
87.5°	372.3	311.1	234.7	232.5	246.7	265.3	275.1	270.7	272.9	272.9	265.3
90°	242.4	218.3	187.8	194.3	209.6	223.8	228.2	216.2	222.7	219.4	216.2
92.5°	175.8	162.7	152.8	161.6	176.9	190.0	187.8	174.7	178.0	178.0	176.9
95°	133.2	126.6	127.7	136.5	148.5	157.2	152.8	141.9	143.0	140.8	137.6
97.5°	104.8	103.7	108.1	114.6	125.5	131.0	126.6	116.8	115.7	112.4	111.4
100°	83.0	84.1	90.6	98.3	104.8	109.2	105.9	96.1	91.7	86.2	85.2
102.5°	64.4	66.6	75.3	81.9	88.4	91.7	88.4	80.8	73.1	67.7	66.6
105°	50.2	52.4	62.2	68.8	74.2	76.4	74.2	65.5	57.9	51.3	51.3
107.5°	39.3	41.5	51.3	59.0	62.2	64.4	61.1	54.6	45.9	40.4	40.4
110°	31.7	33.8	42.6	49.1	52.4	54.6	51.3	43.7	37.1	32.8	32.8



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.1	28.4	34.9	41.5	44.8	45.9	42.6	37.1	29.5	27.3	27.3
115°	21.8	24.0	29.5	34.9	38.2	38.2	36.0	30.6	24.0	22.9	22.9
117.5°	18.6	20.7	25.1	30.6	32.8	32.8	30.6	25.1	20.7	19.7	19.7
120°	17.5	18.6	21.8	26.2	28.4	28.4	26.2	21.8	17.5	17.5	17.5
122.5°	15.3	16.4	19.7	22.9	25.1	25.1	22.9	18.6	15.3	16.4	16.4
125°	14.2	15.3	17.5	19.7	21.8	21.8	19.7	16.4	14.2	14.2	14.2
127.5°	13.1	14.2	15.3	17.5	18.6	18.6	17.5	14.2	13.1	13.1	13.1
130°	12.0	13.1	14.2	15.3	16.4	16.4	14.2	12.0	12.0	12.0	12.0
132.5°	12.0	12.0	12.0	13.1	14.2	14.2	13.1	10.9	10.9	10.9	10.9
135°	10.9	10.9	10.9	10.9	12.0	12.0	10.9	9.8	9.8	9.8	9.8
137.5°	9.8	9.8	9.8	9.8	10.9	10.9	9.8	8.7	8.7	8.7	8.7
140°	8.7	8.7	8.7	7.6	8.7	8.7	7.6	7.6	7.6	7.6	7.6
142.5°	6.6	7.6	6.6	6.6	6.6	6.6	6.6	5.5	6.6	6.6	6.6
145°	6.6	6.6	6.6	5.5	5.5	5.5	5.5	4.4	5.5	5.5	5.5
147.5°	5.5	5.5	5.5	4.4	3.3	4.4	3.3	4.4	4.4	4.4	4.4
150°	5.5	5.5	4.4	4.4	3.3	2.2	2.2	3.3	3.3	3.3	3.3
152.5°	4.4	4.4	4.4	3.3	2.2	1.1	1.1	2.2	2.2	2.2	2.2
155°	4.4	4.4	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	3.3	3.3	3.3	2.2	2.2	1.1	0.0	1.1	0.0	0.0	0.0
160°	3.3	3.3	3.3	2.2	1.1	1.1	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)