

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: P417221

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-750-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9546 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

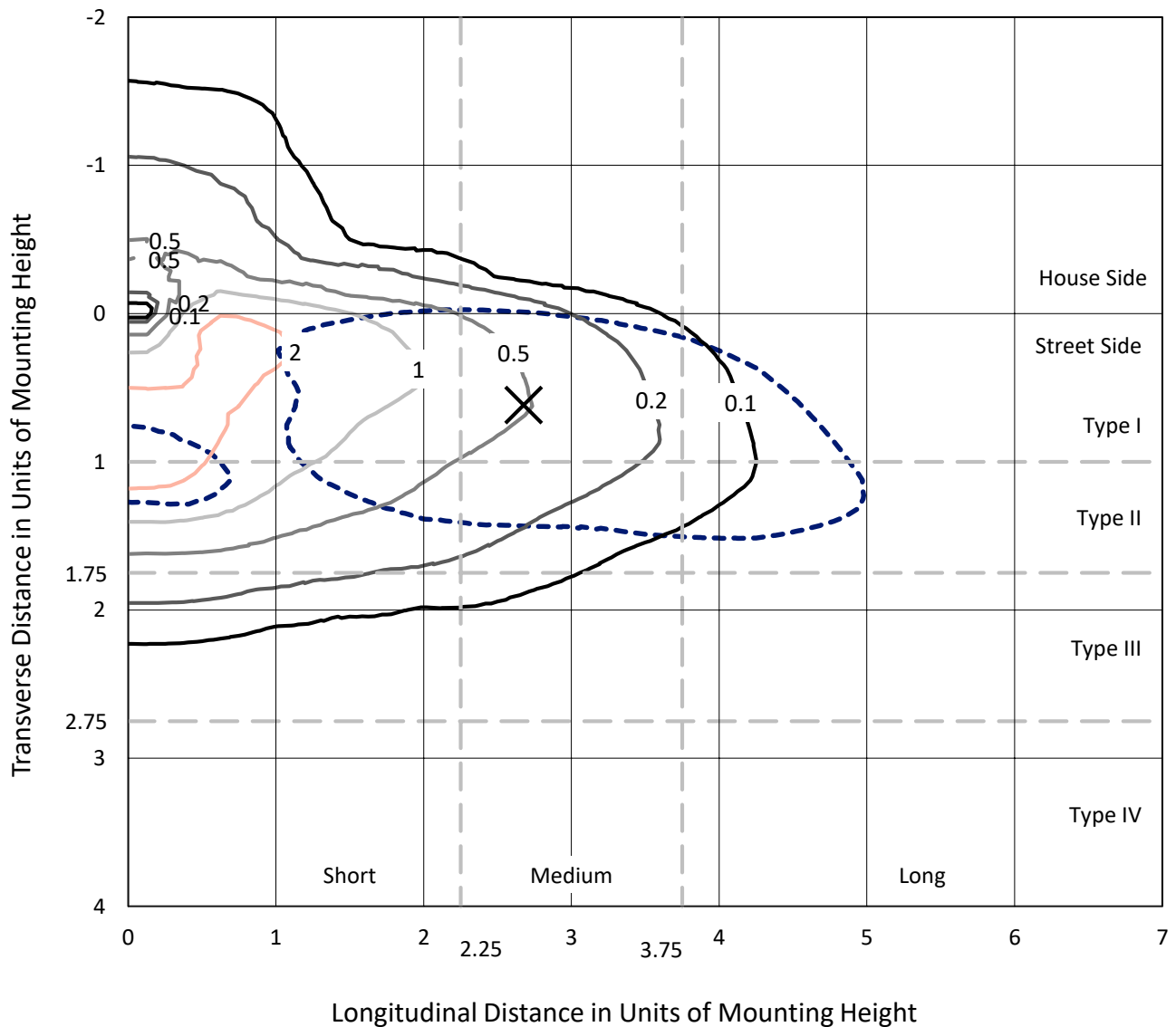
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

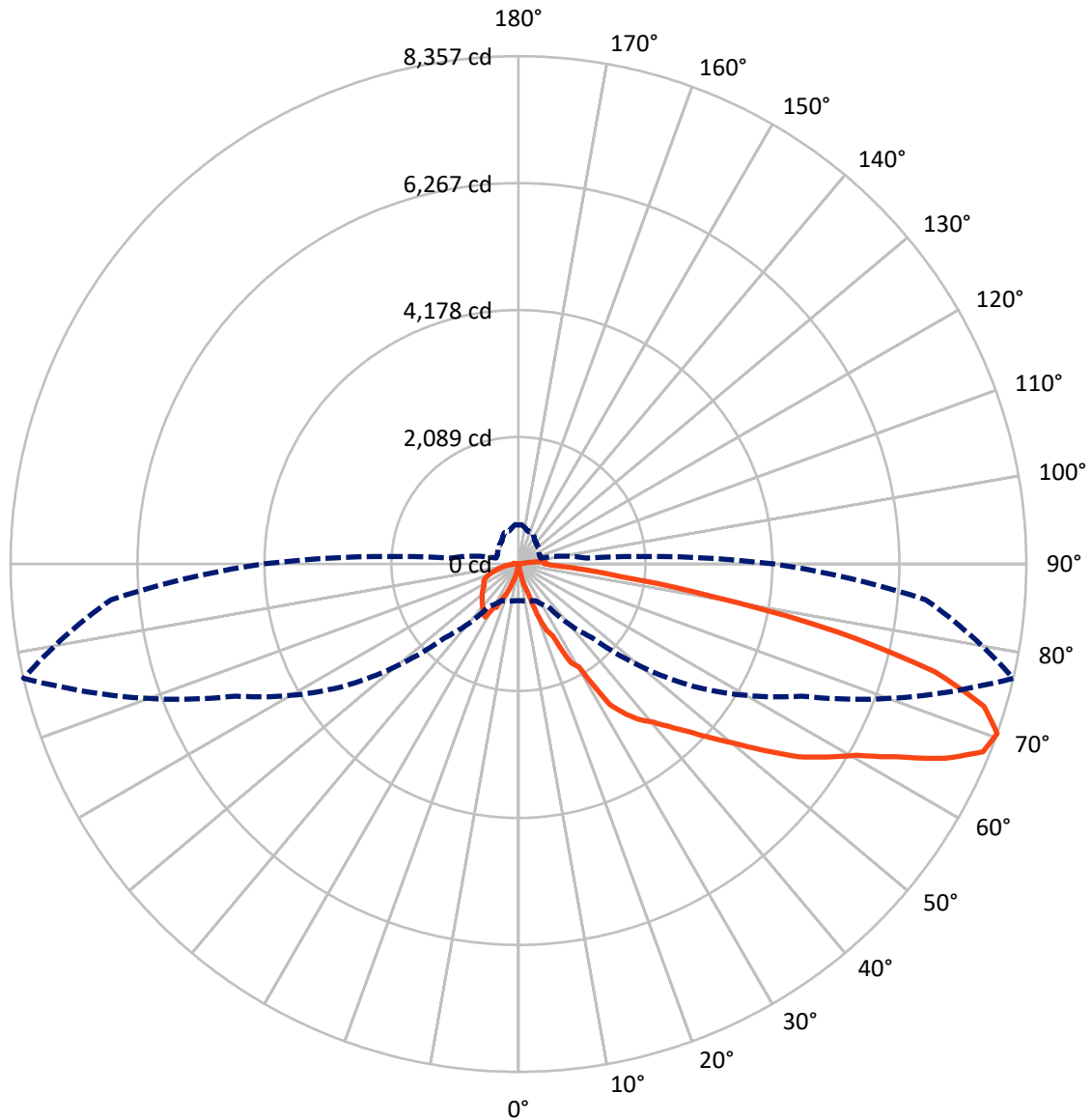


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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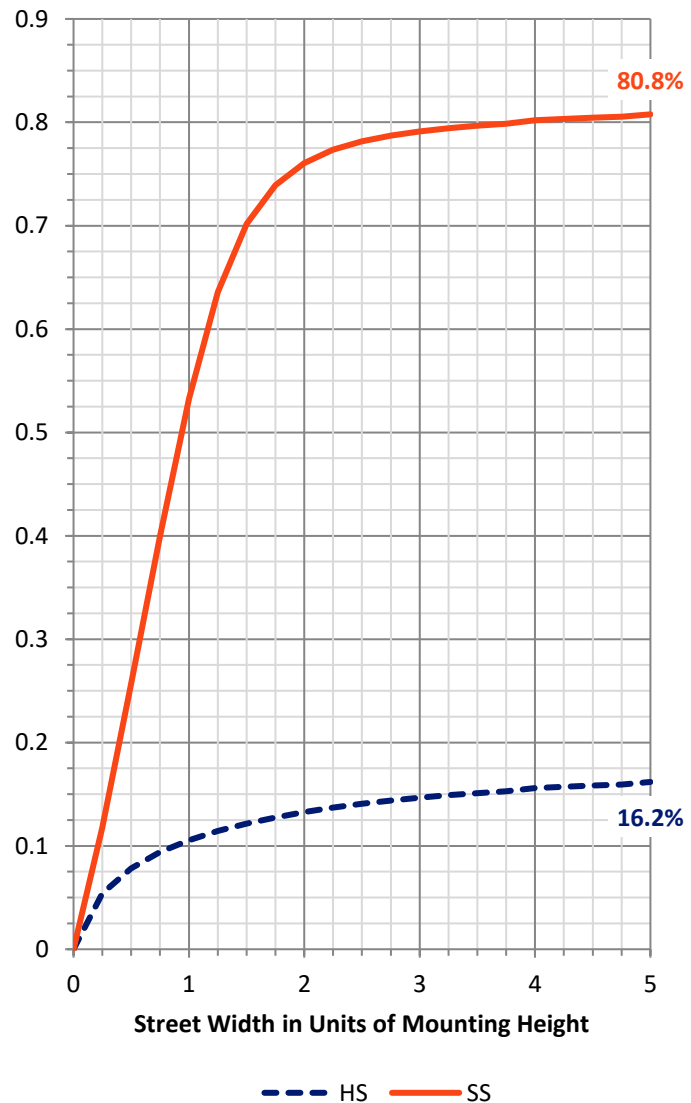
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1614.6	70.8	1685.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	7772.4	88.2	7860.6
	% Fixture	81.4	0.9	82.3
Total	Lumens	9387.0	159.0	9546.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	113.6	1.2
20°-30°	449.9	4.7
30°-40°	1086.5	11.4
40°-50°	1757.2	18.4
50°-60°	2101.7	22.0
60°-70°	2055.3	21.5
70°-80°	1420.8	14.9
80°-90°	394.3	4.1
90°-100°	103.7	1.1
100°-110°	21.2	0.2
110°-120°	11.3	0.1
120°-130°	9.1	0.1
130°-140°	6.2	0.1
140°-150°	5.1	0.1
150°-160°	2.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9387.0	98.3
0°-180°	9546.0	100.0



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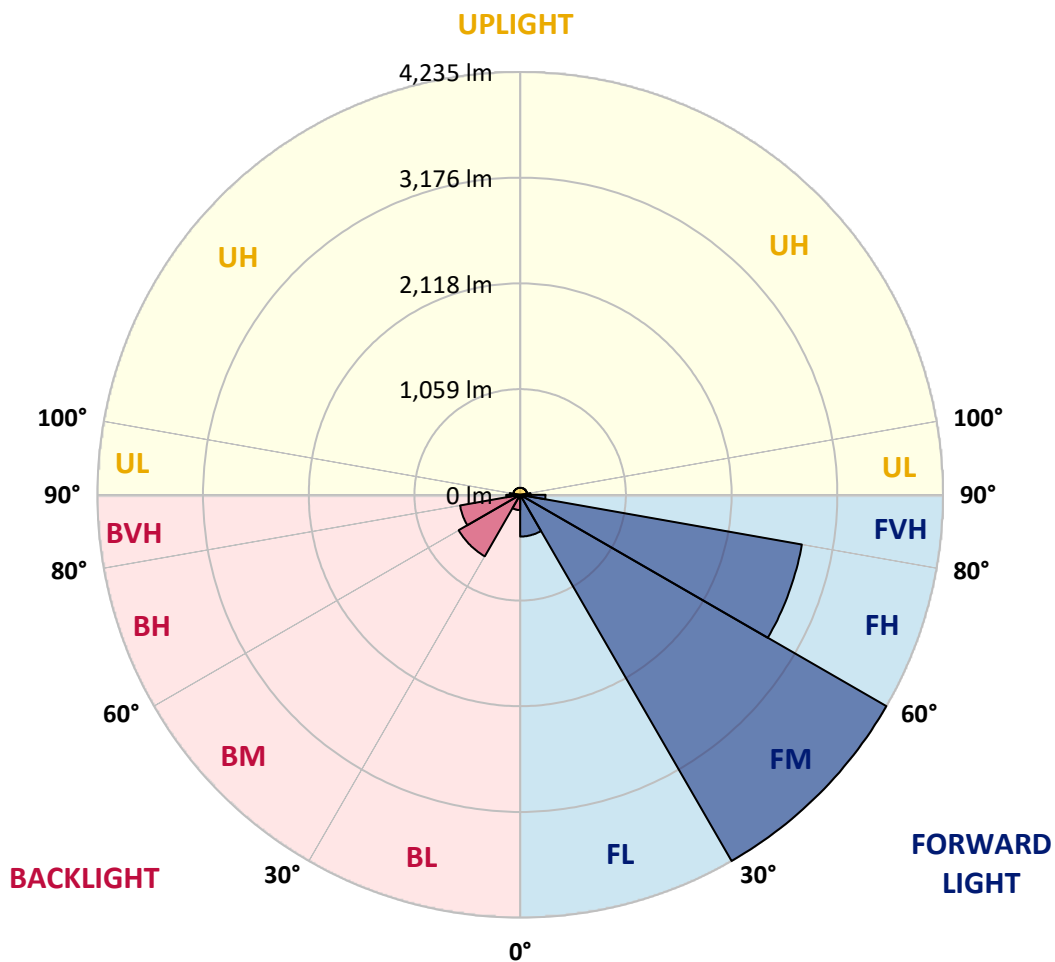
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.3	4.4			
FM	(30°-60°)	4235.3	44.4			
FH	(60°-80°)	2864.9	30.0			G2/5000
FVH	(80°-90°)	254.0	2.7			G3/500
BL	(0°-30°)	152.9	1.6	B1/500		
BM	(30°-60°)	710.2	7.4	B1/1000		
BH	(60°-80°)	611.2	6.4	B2/1000		G2/1000
BVH	(80°-90°)	140.3	1.5			G2/225
UL	(90°-100°)	103.7	1.1		U3/500	
UH	(100°-180°)	70.8	0.7		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	11.9	10.8	10.8	11.9	14.0	12.9	9.7	7.5	6.5	6.5	6.5
5°	234.0	226.4	221.0	156.3	34.5	20.5	12.9	9.7	7.5	7.5	6.5
7.5°	279.2	274.9	272.8	265.2	256.6	239.3	43.1	14.0	8.6	8.6	7.5
10°	315.9	312.7	308.3	304.0	292.2	280.3	256.6	35.6	14.0	14.0	11.9
12.5°	643.6	633.9	625.3	444.2	329.9	317.0	294.3	201.6	153.1	147.7	177.9
15°	660.9	660.9	660.9	666.3	656.6	353.6	481.9	603.8	398.9	386.0	398.9
17.5°	704.0	697.6	686.8	690.0	702.9	780.6	719.1	671.7	531.5	472.2	459.3
20°	1053.3	1047.9	1051.2	974.6	749.3	983.3	976.8	756.8	863.6	875.4	852.8
22.5°	1124.5	1123.4	1120.2	1115.9	1280.8	1043.6	1123.4	1190.3	1206.4	1182.7	981.1
25°	1595.6	1583.8	1440.4	1214.0	1372.5	1256.0	1498.6	1319.6	1343.4	1301.3	1243.1
27.5°	1823.1	1798.3	1773.5	1705.6	1473.8	1678.7	1594.6	1740.1	1950.3	1838.2	1581.6
30°	2405.3	2419.3	2018.3	1995.6	1823.1	1780.0	1952.5	2045.2	2047.4	1965.4	1775.7
32.5°	2961.6	2923.9	2830.1	2426.9	2171.4	1993.5	2264.1	2177.8	2679.2	2756.8	2407.5
35°	3507.2	3433.9	3158.9	2885.1	2533.6	2457.1	2425.8	2726.6	2916.3	3027.4	2604.8
37.5°	4284.5	4231.7	3968.6	3252.7	2920.7	2644.7	2844.1	2902.3	3204.2	3251.6	2874.3
40°	4570.2	4534.6	4315.8	3754.1	3223.6	2951.9	3031.7	3113.6	3489.9	3424.1	3077.0
42.5°	4775.0	4762.1	4587.5	4016.0	3618.2	3257.0	3248.4	3290.5	3783.2	3662.4	3279.7
45°	4932.5	4914.1	4810.6	4184.2	3804.7	3445.7	3482.4	3508.2	4040.8	3935.2	3511.5
47.5°	4902.3	4909.8	4923.8	4393.4	3915.8	3630.1	3721.7	3695.8	4251.1	4275.9	3771.3
50°	4670.5	4685.6	4789.1	4477.5	3979.4	3781.0	3928.7	3905.0	4544.3	4647.8	4071.0
52.5°	3981.5	4006.3	4390.2	4347.0	4035.5	3899.6	4141.1	4146.5	4887.2	5107.1	4453.8
55°	2915.3	3009.1	3475.9	3914.7	3974.0	3937.3	4283.4	4452.7	5281.8	5598.7	4795.5
57.5°	2344.9	2325.5	2647.9	3287.2	3670.0	3891.0	4433.3	4725.5	5641.9	5993.3	5137.3
60°	1819.9	1826.4	2064.6	2522.8	3137.4	3776.7	4586.4	4971.3	6085.0	6390.1	5555.6
62.5°	1355.2	1368.2	1540.7	1814.5	2529.3	3457.6	4633.8	5278.5	6700.6	6989.5	6061.3
65°	984.3	1005.9	1099.7	1267.9	1827.4	2978.9	4489.3	5508.2	7383.1	7711.9	6601.4
67.5°	739.6	751.5	806.4	908.9	1305.6	2364.3	4132.5	5494.2	7725.9	8243.4	6833.2
70°	601.6	607.0	627.5	664.1	857.1	1714.2	3506.1	5140.5	7799.2	8356.6	6725.4
72.5°	511.0	508.9	510.0	515.3	591.9	1171.9	2708.3	4478.6	7518.9	8012.7	6239.2
75°	436.6	433.4	433.4	428.0	457.1	822.6	1865.2	3615.0	6773.9	7080.1	5255.9
77.5°	372.0	366.6	365.5	354.7	367.6	612.4	1235.5	2692.1	5359.4	5364.8	3726.0
80°	317.0	307.3	303.0	295.4	310.5	466.8	806.4	1756.3	3278.6	3225.8	2067.9
82.5°	234.0	234.0	240.4	242.6	267.4	346.1	569.3	1044.7	1789.7	1693.7	1198.9
85°	134.8	146.6	173.6	176.8	204.8	229.6	428.0	618.8	1001.6	966.0	614.5
87.5°	49.6	47.4	72.2	76.5	86.3	86.3	232.9	339.6	525.1	546.6	484.1
90°	41.0	41.0	28.0	25.9	33.4	56.1	157.4	238.3	394.6	423.7	457.1
92.5°	43.1	43.1	28.0	24.8	31.3	49.6	132.6	225.3	414.0	453.9	472.2
95°	41.0	42.0	24.8	22.6	29.1	42.0	99.2	193.0	397.8	435.6	461.4
97.5°	35.6	36.7	20.5	19.4	25.9	30.2	53.9	96.0	198.4	205.9	213.5
100°	29.1	29.1	15.1	16.2	20.5	20.5	28.0	50.7	48.5	39.9	34.5
102.5°	24.8	27.0	14.0	12.9	15.1	12.9	12.9	19.4	29.1	24.8	33.4
105°	20.5	22.6	11.9	10.8	11.9	10.8	8.6	14.0	21.6	24.8	35.6
107.5°	14.0	15.1	8.6	9.7	9.7	9.7	6.5	10.8	20.5	23.7	36.7
110°	9.7	9.7	6.5	8.6	8.6	9.7	6.5	10.8	16.2	18.3	29.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.5	6.5	5.4	6.5	7.5	7.5	6.5	9.7	14.0	15.1	20.5
115°	5.4	5.4	4.3	5.4	6.5	6.5	5.4	8.6	14.0	16.2	21.6
117.5°	6.5	5.4	4.3	5.4	6.5	5.4	5.4	7.5	14.0	16.2	21.6
120°	6.5	6.5	5.4	5.4	5.4	5.4	5.4	7.5	14.0	16.2	21.6
122.5°	7.5	6.5	5.4	5.4	5.4	5.4	5.4	6.5	12.9	15.1	20.5
125°	7.5	7.5	5.4	5.4	6.5	5.4	5.4	6.5	12.9	14.0	19.4
127.5°	8.6	7.5	6.5	5.4	6.5	5.4	5.4	6.5	11.9	12.9	17.3
130°	8.6	8.6	6.5	5.4	6.5	5.4	5.4	5.4	9.7	10.8	15.1
132.5°	8.6	8.6	7.5	6.5	7.5	6.5	5.4	5.4	7.5	8.6	11.9
135°	9.7	8.6	8.6	7.5	8.6	7.5	5.4	5.4	5.4	6.5	8.6
137.5°	9.7	9.7	9.7	8.6	9.7	7.5	5.4	5.4	5.4	5.4	6.5
140°	11.9	11.9	10.8	9.7	10.8	8.6	6.5	5.4	5.4	5.4	6.5
142.5°	14.0	14.0	12.9	11.9	10.8	8.6	7.5	6.5	6.5	6.5	6.5
145°	16.2	15.1	15.1	12.9	10.8	8.6	7.5	7.5	7.5	7.5	7.5
147.5°	16.2	16.2	15.1	11.9	9.7	6.5	6.5	8.6	8.6	8.6	8.6
150°	15.1	15.1	12.9	10.8	7.5	5.4	5.4	7.5	8.6	8.6	8.6
152.5°	11.9	10.8	9.7	6.5	5.4	3.2	4.3	5.4	6.5	6.5	7.5
155°	7.5	6.5	5.4	4.3	4.3	3.2	3.2	4.3	4.3	4.3	5.4
157.5°	3.2	3.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
160°	1.1	1.1	1.1	1.1	3.2	3.2	3.2	2.2	2.2	2.2	2.2
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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	6.5	6.5	6.5	6.5	6.5	5.4	6.5	7.5	8.6	8.6	8.6
5°	6.5	6.5	6.5	7.5	7.5	6.5	7.5	9.7	10.8	10.8	10.8
7.5°	7.5	6.5	7.5	8.6	8.6	8.6	37.7	108.9	120.8	122.9	125.1
10°	10.8	10.8	10.8	11.9	12.9	113.2	133.7	140.2	144.5	147.7	148.8
12.5°	163.9	143.4	89.5	23.7	114.3	140.2	147.7	158.5	163.9	170.3	168.2
15°	367.6	325.6	244.7	209.2	204.8	156.3	163.9	272.8	303.0	308.3	307.3
17.5°	416.2	357.9	272.8	291.1	303.0	235.0	276.0	305.1	310.5	315.9	314.8
20°	774.1	616.7	369.8	320.2	317.0	396.8	294.3	304.0	314.8	370.9	377.3
22.5°	859.3	709.4	484.1	469.0	382.7	403.2	383.8	389.2	422.6	422.6	420.5
25°	1076.0	858.2	546.6	478.7	486.2	401.1	450.7	389.2	395.7	395.7	396.8
27.5°	1399.4	1102.9	725.6	533.7	480.8	485.2	428.0	394.6	451.7	458.2	461.4
30°	1497.5	1145.0	718.0	596.2	502.4	471.1	400.0	442.0	425.9	425.9	422.6
32.5°	2092.7	1562.2	893.8	583.3	515.3	437.7	443.1	416.2	408.6	442.0	442.0
35°	2210.2	1608.6	862.5	656.6	494.9	456.1	421.5	428.0	414.0	411.8	408.6
37.5°	2344.9	1640.9	792.4	616.7	522.9	437.7	435.6	419.4	401.1	426.9	431.3
40°	2473.2	1672.2	736.4	569.3	483.0	435.6	426.9	418.3	379.5	379.5	378.4
42.5°	2617.7	1692.7	685.7	531.5	444.2	436.6	412.9	386.0	360.1	367.6	365.5
45°	2767.6	1705.6	633.9	489.5	409.7	451.7	414.0	402.1	381.7	384.9	381.7
47.5°	2951.9	1727.2	588.7	448.5	388.1	414.0	391.4	386.0	397.8	387.0	393.5
50°	3148.1	1739.0	546.6	412.9	366.6	402.1	405.4	389.2	397.8	379.5	378.4
52.5°	3383.2	1749.8	501.3	389.2	363.3	400.0	424.8	407.5	392.4	368.7	366.6
55°	3590.2	1715.3	462.5	374.1	384.9	395.7	441.0	420.5	389.2	362.3	363.3
57.5°	3815.5	1671.1	431.3	367.6	380.6	388.1	463.6	438.8	403.2	404.3	405.4
60°	4048.4	1629.1	411.8	366.6	375.2	391.4	466.8	463.6	421.5	431.3	438.8
62.5°	4326.5	1595.6	408.6	374.1	394.6	408.6	470.1	503.5	466.8	471.1	473.3
65°	4544.3	1498.6	405.4	378.4	402.1	411.8	471.1	531.5	515.3	540.1	538.0
67.5°	4477.5	1319.6	400.0	382.7	407.5	429.1	470.1	552.0	549.8	607.0	601.6
70°	4204.7	1121.3	382.7	377.3	409.7	437.7	471.1	557.4	567.1	648.0	642.6
72.5°	3745.4	904.6	351.5	362.3	410.8	448.5	485.2	558.5	569.3	683.5	667.4
75°	3134.1	731.0	305.1	327.8	423.7	455.0	488.4	547.7	547.7	655.5	635.0
77.5°	2255.5	562.8	263.1	297.6	419.4	450.7	478.7	522.9	515.3	567.1	547.7
80°	1314.2	415.1	224.3	292.2	393.5	442.0	451.7	461.4	425.9	437.7	425.9
82.5°	789.2	307.3	194.1	262.0	346.1	397.8	405.4	389.2	341.8	340.7	324.5
85°	473.3	210.2	142.3	202.7	272.8	332.1	340.7	295.4	251.2	277.1	248.0
87.5°	349.3	132.6	98.1	126.1	166.0	155.3	202.7	190.8	162.8	156.3	154.2
90°	314.8	101.3	80.9	102.4	112.1	96.0	103.5	103.5	84.1	83.0	78.7
92.5°	311.6	94.9	86.3	100.3	90.6	76.5	84.1	83.0	66.8	63.6	60.4
95°	291.1	85.2	86.3	90.6	79.8	62.5	67.9	63.6	47.4	44.2	41.0
97.5°	136.9	59.3	81.9	78.7	65.8	48.5	56.1	48.5	33.4	29.1	29.1
100°	32.3	50.7	70.1	71.2	52.8	36.7	38.8	31.3	21.6	18.3	18.3
102.5°	32.3	22.6	43.1	56.1	32.3	15.1	21.6	20.5	16.2	16.2	17.3
105°	32.3	21.6	21.6	36.7	19.4	9.7	9.7	12.9	14.0	18.3	20.5
107.5°	33.4	22.6	17.3	17.3	14.0	9.7	8.6	9.7	14.0	21.6	22.6
110°	28.0	20.5	16.2	15.1	14.0	9.7	7.5	9.7	14.0	23.7	25.9



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	18.3	14.0	14.0	11.9	9.7	7.5	8.6	15.1	25.9	28.0
115°	20.5	17.3	12.9	11.9	9.7	8.6	7.5	8.6	16.2	28.0	30.2
117.5°	21.6	17.3	11.9	10.8	8.6	6.5	6.5	8.6	16.2	29.1	31.3
120°	21.6	17.3	11.9	10.8	8.6	6.5	6.5	9.7	17.3	28.0	30.2
122.5°	20.5	17.3	11.9	10.8	8.6	5.4	6.5	8.6	16.2	27.0	29.1
125°	18.3	16.2	11.9	9.7	8.6	5.4	6.5	8.6	16.2	25.9	27.0
127.5°	17.3	15.1	10.8	9.7	7.5	5.4	6.5	8.6	15.1	23.7	24.8
130°	15.1	14.0	9.7	8.6	7.5	5.4	6.5	8.6	15.1	21.6	22.6
132.5°	11.9	10.8	8.6	7.5	7.5	5.4	6.5	7.5	11.9	18.3	19.4
135°	8.6	8.6	7.5	7.5	7.5	5.4	6.5	6.5	9.7	14.0	15.1
137.5°	6.5	6.5	6.5	7.5	6.5	5.4	5.4	6.5	8.6	10.8	11.9
140°	6.5	6.5	6.5	7.5	6.5	5.4	5.4	6.5	7.5	8.6	9.7
142.5°	6.5	6.5	6.5	7.5	6.5	4.3	5.4	6.5	7.5	8.6	8.6
145°	7.5	7.5	7.5	7.5	6.5	4.3	4.3	6.5	7.5	8.6	8.6
147.5°	8.6	8.6	7.5	7.5	6.5	3.2	3.2	6.5	7.5	8.6	8.6
150°	8.6	8.6	7.5	7.5	5.4	3.2	3.2	5.4	7.5	7.5	7.5
152.5°	6.5	6.5	6.5	6.5	5.4	2.2	2.2	4.3	6.5	6.5	6.5
155°	5.4	5.4	5.4	5.4	4.3	2.2	1.1	3.2	5.4	5.4	5.4
157.5°	3.2	4.3	4.3	5.4	4.3	2.2	1.1	2.2	4.3	4.3	4.3
160°	2.2	3.2	3.2	4.3	4.3	2.2	1.1	2.2	3.2	3.2	3.2
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)