

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: P417134

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8542 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

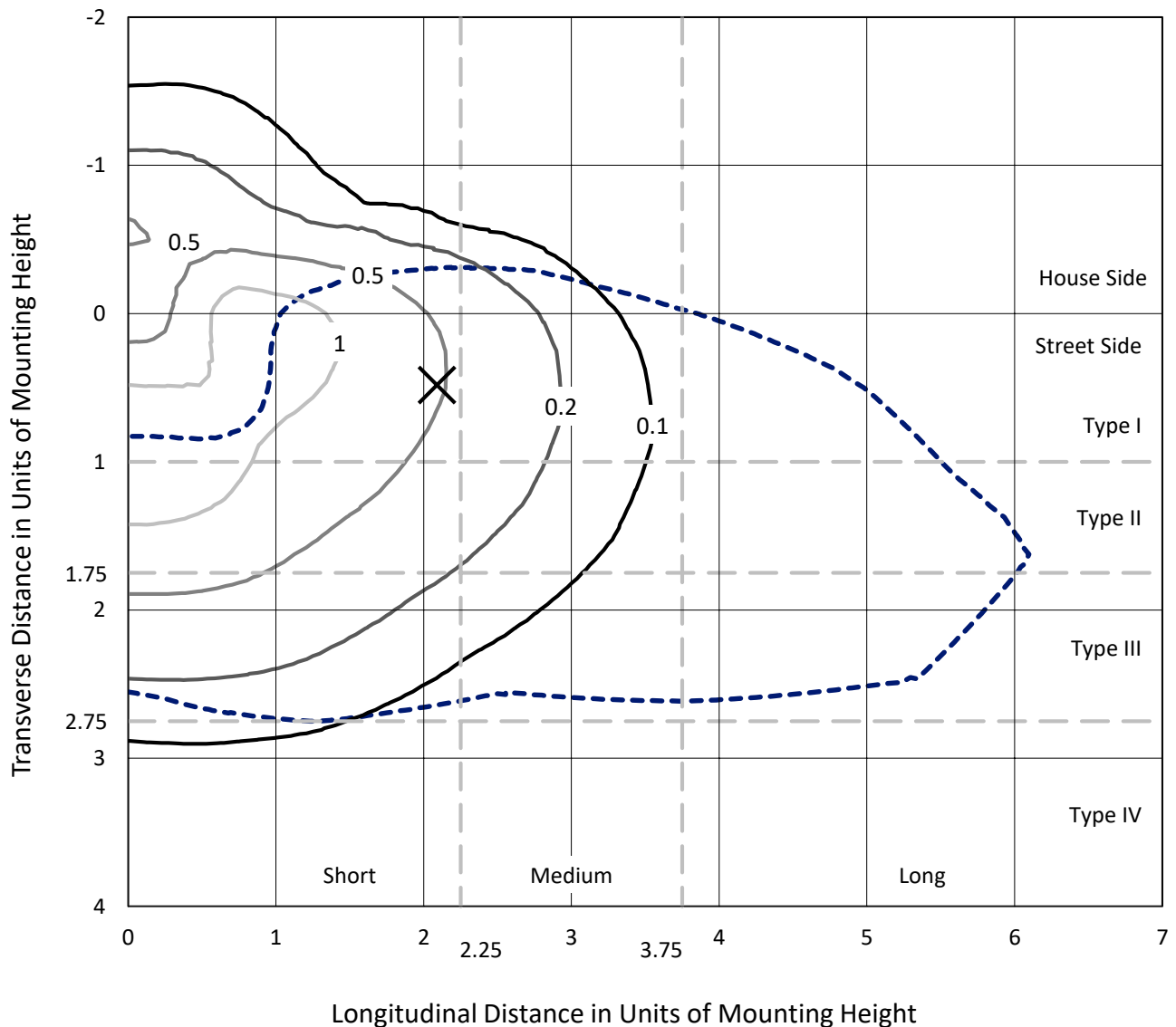
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

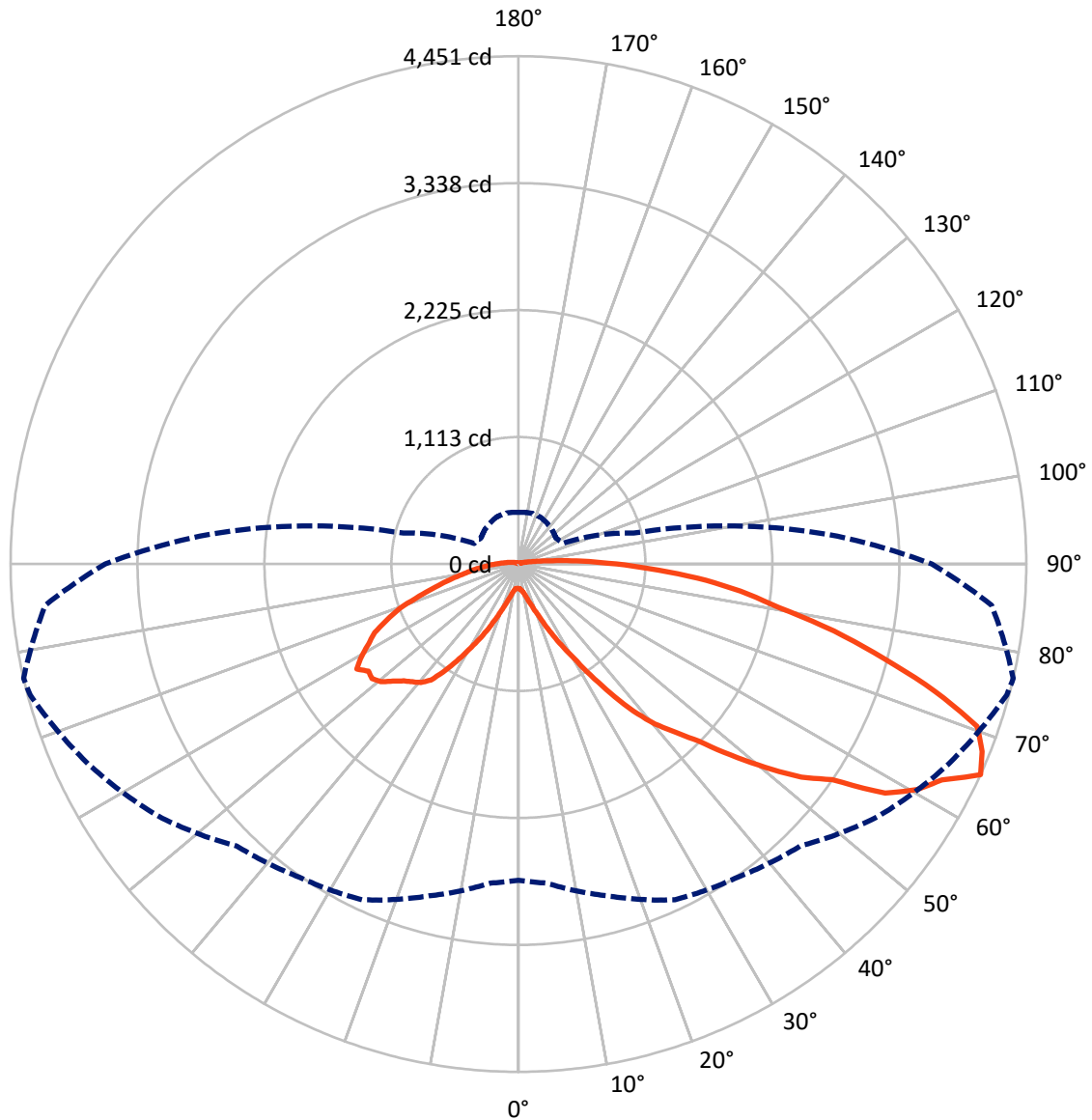


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1882.3	133.8	2016.1
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6358.5	167.3	6525.9
	% Fixture	74.4	2.0	76.4
Total	Lumens	8240.8	301.2	8542.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.3
10°-20°	93.5	1.1
20°-30°	274.2	3.2
30°-40°	656.3	7.7
40°-50°	1181.8	13.8
50°-60°	1797.6	21.0
60°-70°	2120.5	24.8
70°-80°	1461.3	17.1
80°-90°	633.6	7.4
90°-100°	185.0	2.2
100°-110°	57.9	0.7
110°-120°	27.1	0.3
120°-130°	15.9	0.2
130°-140°	9.7	0.1
140°-150°	4.2	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8240.8	96.5
0°-180°	8542.0	100.0



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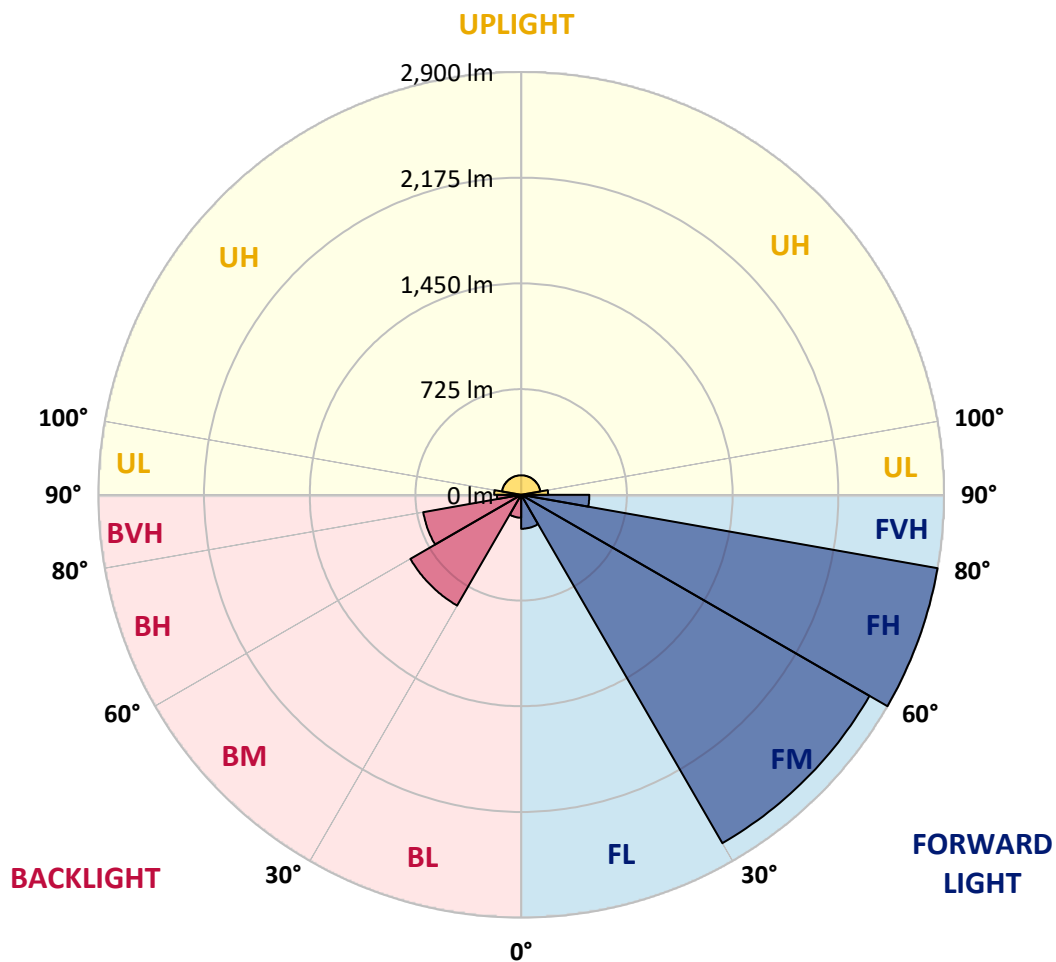
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.8	2.7			
FM	(30°-60°)	2758.4	32.3			
FH	(60°-80°)	2899.8	33.9			G2/5000
FVH	(80°-90°)	467.5	5.5			G3/500
BL	(0°-30°)	156.9	1.8	B1/500		
BM	(30°-60°)	877.3	10.3	B1/1000		
BH	(60°-80°)	682.0	8.0	B2/1000		G2/1000
BVH	(80°-90°)	166.1	1.9			G2/225
UL	(90°-100°)	185.0	2.2		U3/500	
UH	(100°-180°)	133.8	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	230.7	229.8	229.8	230.7	228.8	226.8	223.9	220.9	218.0	218.0	216.0
5°	249.4	248.4	248.4	248.4	244.5	241.5	234.7	230.7	226.8	224.8	221.9
7.5°	273.9	271.0	272.0	271.0	265.1	259.2	252.3	244.5	239.6	238.6	232.7
10°	306.3	304.4	302.4	298.5	292.6	282.8	273.0	266.1	259.2	258.2	251.4
12.5°	352.5	350.5	346.6	337.8	325.0	313.2	303.4	295.5	291.6	289.7	282.8
15°	408.5	402.6	400.6	386.9	369.2	355.4	344.6	339.7	335.8	335.8	327.0
17.5°	474.2	474.2	464.4	445.8	423.2	406.5	395.7	386.9	389.8	388.8	383.9
20°	555.7	553.8	539.1	514.5	487.0	471.3	457.6	452.6	456.6	460.5	460.5
22.5°	673.6	668.7	646.1	608.8	568.5	543.0	533.2	532.2	547.9	552.8	558.7
25°	806.1	799.2	770.8	725.6	675.5	636.3	622.5	633.3	661.8	672.6	684.4
27.5°	966.2	962.2	919.0	857.2	797.3	746.2	730.5	763.9	802.2	806.1	829.7
30°	1172.4	1174.3	1115.4	1026.1	923.9	870.9	853.3	893.5	950.5	954.4	1001.5
32.5°	1411.0	1411.0	1322.6	1214.6	1083.0	1008.4	991.7	1056.5	1145.8	1159.6	1204.8
35°	1715.3	1697.7	1584.7	1429.6	1264.7	1153.7	1151.7	1252.9	1375.6	1389.4	1438.4
37.5°	1988.3	1999.1	1884.2	1682.0	1459.1	1331.4	1348.1	1476.7	1631.9	1635.8	1688.8
40°	2283.8	2295.6	2160.1	1949.0	1675.1	1531.7	1565.1	1684.9	1839.1	1842.0	1860.7
42.5°	2515.6	2546.0	2419.3	2199.4	1922.5	1759.5	1767.4	1879.3	1998.1	2012.8	2025.6
45°	2654.0	2676.6	2606.9	2431.1	2140.5	1987.3	1968.7	2060.0	2215.1	2211.2	2229.8
47.5°	2872.0	2898.5	2791.5	2631.4	2386.0	2196.5	2172.9	2291.7	2482.2	2501.8	2484.1
50°	3097.8	3133.2	3055.6	2869.0	2615.7	2431.1	2434.1	2569.6	2791.5	2798.3	2809.1
52.5°	3255.9	3281.4	3251.0	3121.4	2852.4	2684.5	2711.0	2873.0	3090.9	3103.7	3060.5
55°	3280.4	3319.7	3344.3	3314.8	3111.6	2945.6	3013.4	3175.4	3322.7	3333.5	3300.1
57.5°	3272.6	3305.0	3357.0	3379.6	3277.5	3214.7	3302.1	3468.0	3751.8	3788.1	3771.4
60°	3263.8	3287.3	3395.3	3428.7	3370.8	3420.9	3560.3	3855.8	4011.9	4014.9	3862.7
62.5°	3018.3	3057.6	3260.8	3428.7	3413.0	3508.2	3813.6	4018.8	4142.5	4165.1	4019.8
65°	2771.8	2806.2	3010.4	3246.1	3350.2	3493.5	3852.9	4155.3	4430.2	4450.8	4163.2
67.5°	2415.4	2469.4	2692.3	2976.1	3103.7	3332.5	3749.8	4203.4	4374.3	4383.1	4054.2
70°	1967.7	2041.3	2292.7	2592.2	2745.3	2977.0	3519.0	4031.6	4270.2	4265.3	3873.5
72.5°	1417.8	1483.6	1713.4	2068.8	2308.4	2561.7	3096.8	3689.9	3825.4	3820.5	3295.2
75°	963.2	998.6	1171.4	1496.4	1841.0	2138.5	2667.8	3200.9	3315.8	3307.0	2822.9
77.5°	631.3	671.6	783.5	1061.4	1382.5	1725.2	2239.7	2679.5	2860.2	2827.8	2392.8
80°	386.9	409.4	501.7	716.8	1047.7	1392.3	1851.8	2267.2	2360.4	2313.3	1953.9
82.5°	241.5	259.2	325.0	473.3	752.1	1075.2	1519.0	1908.8	2012.8	1959.8	1607.3
85°	148.3	157.1	202.3	311.3	510.6	790.4	1221.5	1548.4	1612.2	1573.9	1211.6
87.5°	108.0	110.0	138.4	210.1	344.6	565.6	899.4	1166.5	1212.6	1141.9	849.3
90°	79.5	83.5	102.1	148.3	239.6	383.9	619.6	820.8	832.6	789.4	567.5
92.5°	59.9	61.9	76.6	105.1	165.0	262.2	413.4	549.9	539.1	508.6	352.5
95°	43.2	44.2	55.0	74.6	115.9	175.8	263.1	344.6	310.3	297.5	214.0
97.5°	35.3	36.3	44.2	57.9	85.4	123.7	169.9	205.2	182.6	174.8	137.5
100°	30.4	30.4	37.3	48.1	66.8	92.3	112.9	128.6	117.8	113.9	97.2
102.5°	27.5	27.5	32.4	40.3	55.0	72.7	83.5	88.4	82.5	79.5	71.7
105°	24.5	24.5	28.5	34.4	46.1	58.9	63.8	64.8	58.9	57.9	55.0
107.5°	22.6	22.6	25.5	30.4	39.3	49.1	51.1	48.1	45.2	43.2	43.2
110°	19.6	20.6	22.6	26.5	34.4	41.2	41.2	37.3	33.4	33.4	34.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	18.7	18.7	20.6	24.5	30.4	35.3	33.4	29.5	26.5	26.5	28.5
115°	16.7	16.7	18.7	22.6	27.5	30.4	28.5	24.5	21.6	22.6	24.5
117.5°	15.7	15.7	17.7	20.6	24.5	26.5	24.5	20.6	18.7	19.6	22.6
120°	15.7	15.7	17.7	19.6	22.6	23.6	21.6	17.7	16.7	16.7	19.6
122.5°	15.7	15.7	16.7	19.6	21.6	21.6	18.7	15.7	14.7	14.7	17.7
125°	15.7	15.7	17.7	19.6	19.6	19.6	16.7	13.7	12.8	13.7	15.7
127.5°	16.7	16.7	17.7	18.7	18.7	17.7	14.7	12.8	11.8	12.8	14.7
130°	16.7	16.7	17.7	18.7	17.7	15.7	13.7	11.8	11.8	11.8	14.7
132.5°	16.7	16.7	17.7	17.7	16.7	13.7	11.8	9.8	10.8	11.8	13.7
135°	15.7	15.7	15.7	15.7	14.7	12.8	9.8	8.8	9.8	10.8	12.8
137.5°	14.7	14.7	14.7	14.7	12.8	10.8	7.9	6.9	8.8	8.8	10.8
140°	12.8	12.8	13.7	12.8	11.8	8.8	6.9	4.9	6.9	6.9	8.8
142.5°	11.8	11.8	11.8	11.8	9.8	7.9	4.9	4.9	5.9	5.9	6.9
145°	9.8	9.8	10.8	9.8	7.9	5.9	3.9	3.9	4.9	4.9	5.9
147.5°	7.9	8.8	8.8	7.9	6.9	4.9	2.9	2.9	3.9	3.9	4.9
150°	6.9	6.9	6.9	6.9	4.9	2.9	2.0	2.9	3.9	3.9	3.9
152.5°	4.9	4.9	5.9	5.9	3.9	2.0	2.0	2.9	2.9	2.9	3.9
155°	3.9	3.9	4.9	3.9	2.9	1.0	2.0	2.0	2.9	2.9	2.9
157.5°	2.0	2.0	2.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.9
160°	1.0	1.0	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0	215.0
2.5°	215.0	213.1	212.1	210.1	208.2	206.2	206.2	206.2	205.2	204.2	205.2
5°	219.0	218.0	213.1	209.1	205.2	203.2	201.3	200.3	200.3	198.3	198.3
7.5°	229.8	225.8	219.0	212.1	208.2	204.2	201.3	200.3	199.3	197.4	197.4
10°	246.5	241.5	233.7	222.9	216.0	209.1	206.2	206.2	205.2	204.2	204.2
12.5°	277.9	272.0	258.2	243.5	229.8	219.9	218.0	220.9	226.8	227.8	227.8
15°	324.0	317.1	299.5	275.9	254.3	240.6	242.5	250.4	258.2	261.2	261.2
17.5°	381.0	373.1	347.6	313.2	284.7	272.0	271.0	281.8	292.6	298.5	298.5
20°	457.6	444.8	411.4	362.3	323.0	308.3	302.4	312.2	328.9	335.8	333.8
22.5°	552.8	538.1	490.9	416.3	367.2	340.7	332.9	343.7	364.3	373.1	372.1
25°	678.5	663.7	587.2	484.1	410.4	369.2	364.3	380.0	410.4	428.1	426.1
27.5°	824.8	800.2	698.1	559.7	452.6	392.8	393.7	420.2	451.7	471.3	469.3
30°	980.9	949.5	810.0	632.3	491.9	419.3	417.3	448.7	481.1	501.7	501.7
32.5°	1187.1	1140.9	939.7	702.0	522.4	439.9	433.0	468.4	501.7	523.3	522.4
35°	1408.0	1346.2	1075.2	775.7	547.9	450.7	442.8	479.2	513.5	539.1	539.1
37.5°	1661.3	1556.3	1201.8	826.7	565.6	456.6	445.8	487.0	529.2	555.7	553.8
40°	1794.9	1677.0	1262.7	849.3	568.5	457.6	450.7	493.9	529.2	539.1	534.1
42.5°	1944.1	1791.9	1288.2	821.8	557.7	455.6	453.6	487.0	502.7	499.8	496.8
45°	2132.6	1927.4	1312.8	787.5	532.2	452.6	448.7	468.4	469.3	457.6	453.6
47.5°	2373.2	2114.0	1353.0	746.2	506.6	445.8	440.9	449.7	433.0	411.4	404.5
50°	2631.4	2330.0	1403.1	710.9	483.1	436.9	432.0	429.1	412.4	390.8	386.9
52.5°	2856.3	2476.3	1416.8	673.6	467.4	431.0	425.2	422.2	406.5	381.9	377.0
55°	3057.6	2601.0	1368.7	617.6	454.6	427.1	425.2	425.2	408.5	382.9	378.0
57.5°	3455.2	2899.5	1386.4	560.7	437.9	426.1	429.1	430.1	414.4	389.8	384.9
60°	3467.0	2842.5	1283.3	520.4	423.2	426.1	433.0	435.0	424.2	407.5	404.5
62.5°	3579.9	2844.5	1144.9	468.4	413.4	424.2	436.0	442.8	443.8	434.0	432.0
65°	3621.2	2803.3	1044.7	427.1	399.6	419.3	436.9	453.6	459.5	454.6	452.6
67.5°	3463.1	2613.8	908.2	399.6	385.9	411.4	436.0	456.6	469.3	472.3	472.3
70°	3254.9	2400.7	786.5	373.1	371.1	400.6	429.1	456.6	474.2	482.1	482.1
72.5°	2726.7	1971.6	649.0	345.6	351.5	383.9	414.4	447.7	467.4	474.2	471.3
75°	2280.9	1623.0	534.1	322.1	331.9	363.3	393.7	426.1	439.9	443.8	440.9
77.5°	1929.4	1350.1	438.9	300.5	308.3	336.8	364.3	386.9	395.7	393.7	388.8
80°	1555.3	1053.6	360.3	273.9	281.8	304.4	324.0	341.7	350.5	345.6	342.7
82.5°	1238.1	837.5	307.3	250.4	253.3	272.0	285.7	299.5	314.2	310.3	302.4
85°	916.1	616.6	261.2	224.8	224.8	238.6	245.5	258.2	278.9	277.9	274.9
87.5°	626.4	438.9	221.9	199.3	198.3	206.2	210.1	223.9	250.4	251.4	248.4
90°	412.4	300.5	185.6	172.8	170.8	176.7	179.7	191.5	213.1	215.0	211.1
92.5°	268.1	208.2	152.2	146.3	145.3	150.2	149.2	157.1	171.8	170.8	167.9
95°	171.8	145.3	123.7	120.8	117.8	123.7	121.8	123.7	131.6	129.6	129.6
97.5°	118.8	111.0	102.1	97.2	95.2	101.1	99.2	99.2	103.1	99.2	97.2
100°	91.3	88.4	84.4	80.5	76.6	81.5	81.5	81.5	84.4	78.6	76.6
102.5°	70.7	69.7	69.7	66.8	63.8	67.7	68.7	69.7	68.7	62.8	61.9
105°	56.0	56.0	57.9	55.0	54.0	56.9	57.9	56.9	56.9	52.0	52.0
107.5°	44.2	46.1	48.1	46.1	46.1	48.1	48.1	48.1	46.1	43.2	44.2
110°	36.3	38.3	41.2	39.3	39.3	41.2	40.3	39.3	38.3	37.3	37.3



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CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.4	32.4	34.4	33.4	34.4	35.3	34.4	32.4	32.4	32.4	33.4
115°	26.5	28.5	30.4	29.5	29.5	30.4	28.5	27.5	27.5	28.5	28.5
117.5°	23.6	25.5	26.5	26.5	25.5	26.5	24.5	23.6	24.5	25.5	25.5
120°	21.6	22.6	23.6	23.6	22.6	22.6	21.6	20.6	21.6	22.6	23.6
122.5°	19.6	20.6	20.6	21.6	20.6	19.6	18.7	18.7	19.6	20.6	20.6
125°	17.7	18.7	18.7	18.7	18.7	17.7	16.7	16.7	17.7	18.7	19.6
127.5°	15.7	16.7	16.7	17.7	16.7	15.7	14.7	15.7	16.7	17.7	17.7
130°	15.7	15.7	15.7	15.7	14.7	13.7	13.7	13.7	15.7	16.7	16.7
132.5°	14.7	15.7	14.7	14.7	13.7	11.8	11.8	12.8	14.7	15.7	15.7
135°	13.7	13.7	12.8	12.8	11.8	10.8	9.8	11.8	12.8	13.7	13.7
137.5°	11.8	11.8	10.8	9.8	9.8	8.8	8.8	9.8	11.8	12.8	12.8
140°	8.8	9.8	8.8	7.9	7.9	6.9	7.9	8.8	10.8	10.8	10.8
142.5°	6.9	7.9	6.9	5.9	5.9	5.9	5.9	7.9	9.8	9.8	9.8
145°	5.9	5.9	5.9	4.9	3.9	3.9	4.9	6.9	8.8	8.8	8.8
147.5°	4.9	4.9	4.9	3.9	2.9	2.9	3.9	5.9	6.9	6.9	6.9
150°	3.9	3.9	3.9	3.9	2.9	2.0	2.9	4.9	5.9	5.9	5.9
152.5°	3.9	3.9	3.9	2.9	2.0	1.0	2.0	3.9	4.9	4.9	4.9
155°	2.9	2.9	2.9	2.9	2.0	1.0	1.0	2.9	3.9	3.9	3.9
157.5°	2.9	2.9	2.9	2.0	1.0	0.0	1.0	2.9	3.9	2.9	2.9
160°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	2.9	2.0	2.0
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)