

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: P417253

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417253
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-PA1-90-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9283 lumens
Efficiency: N/A
Efficacy: 98.8 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): 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

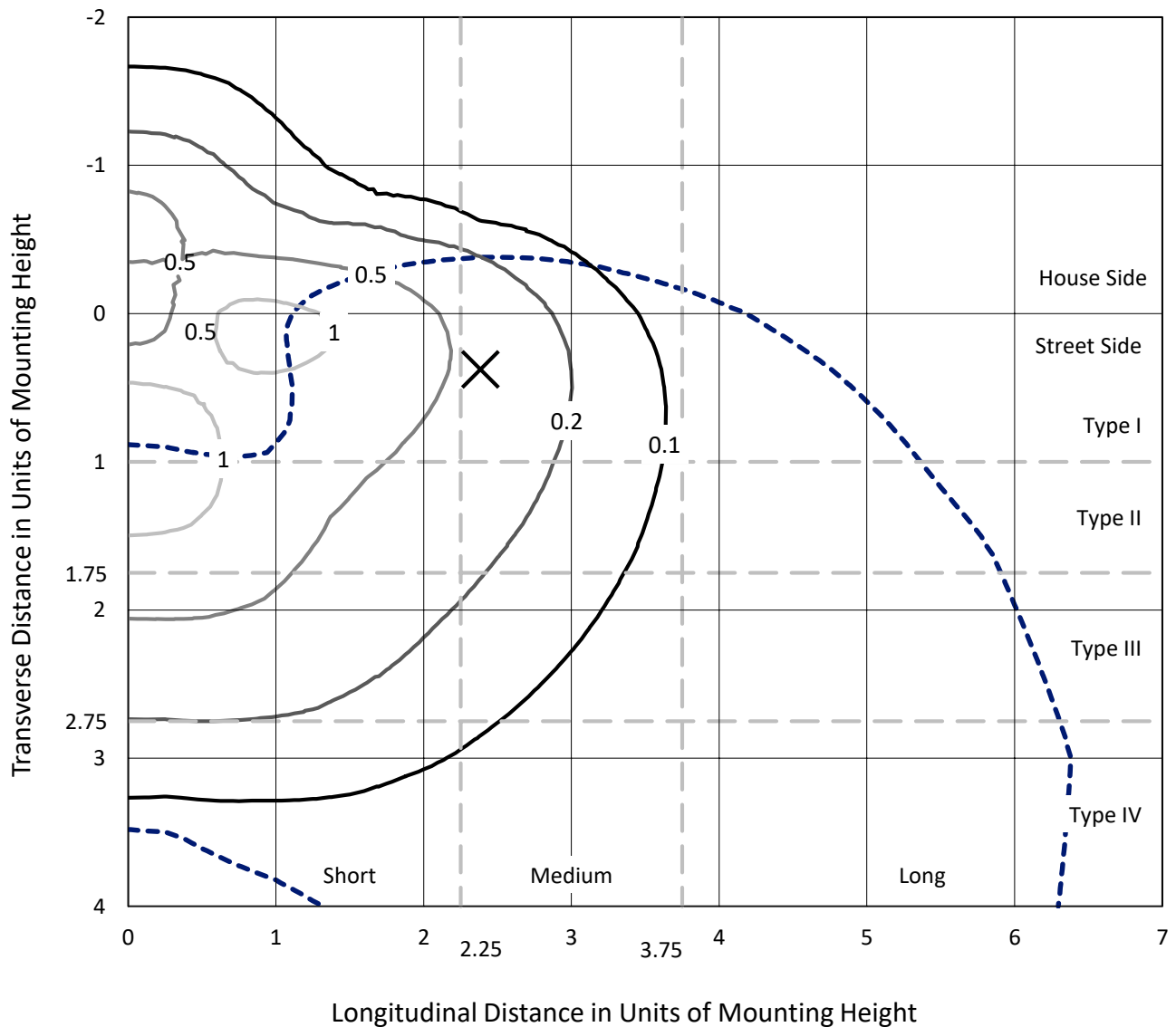


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

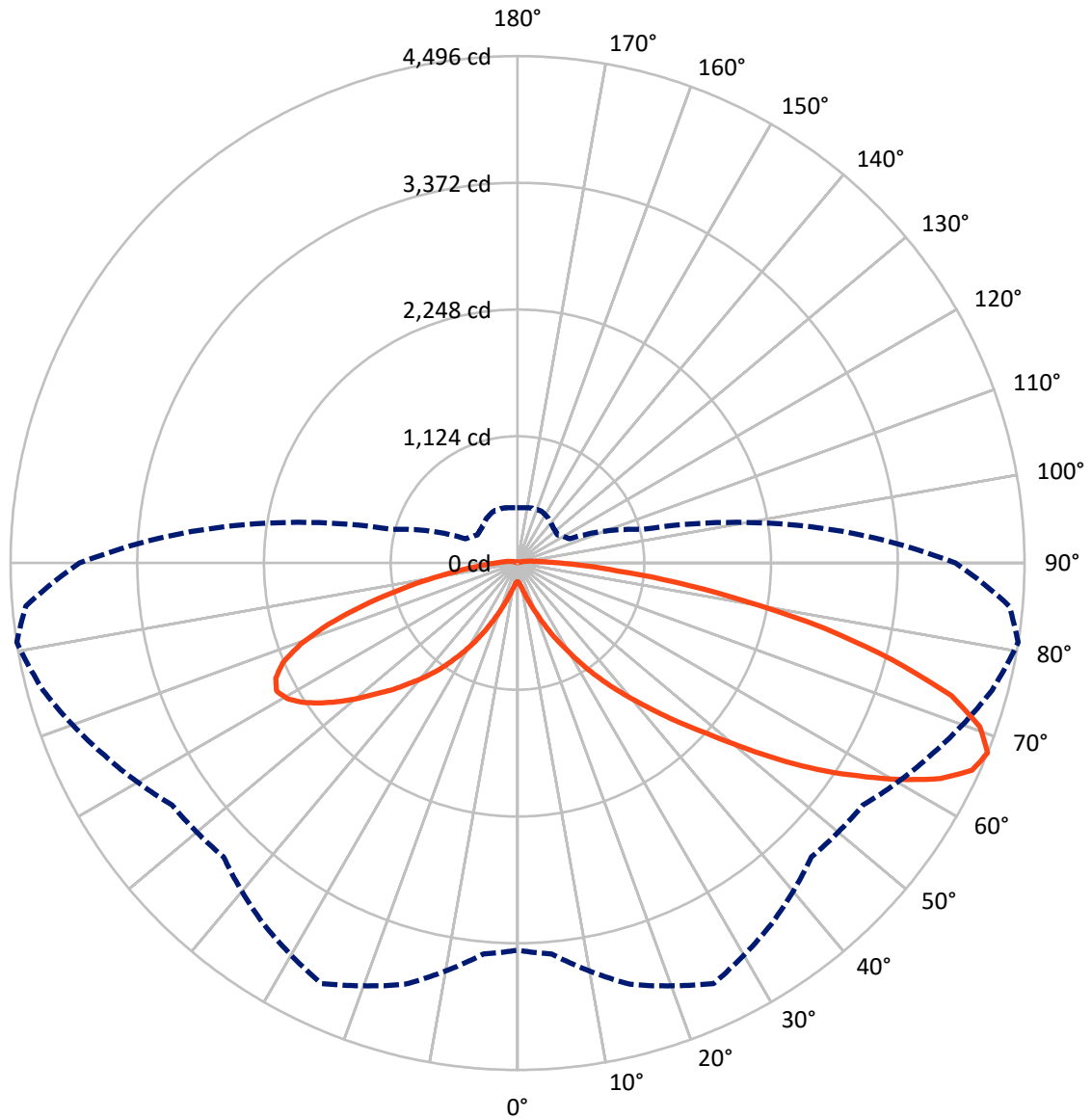


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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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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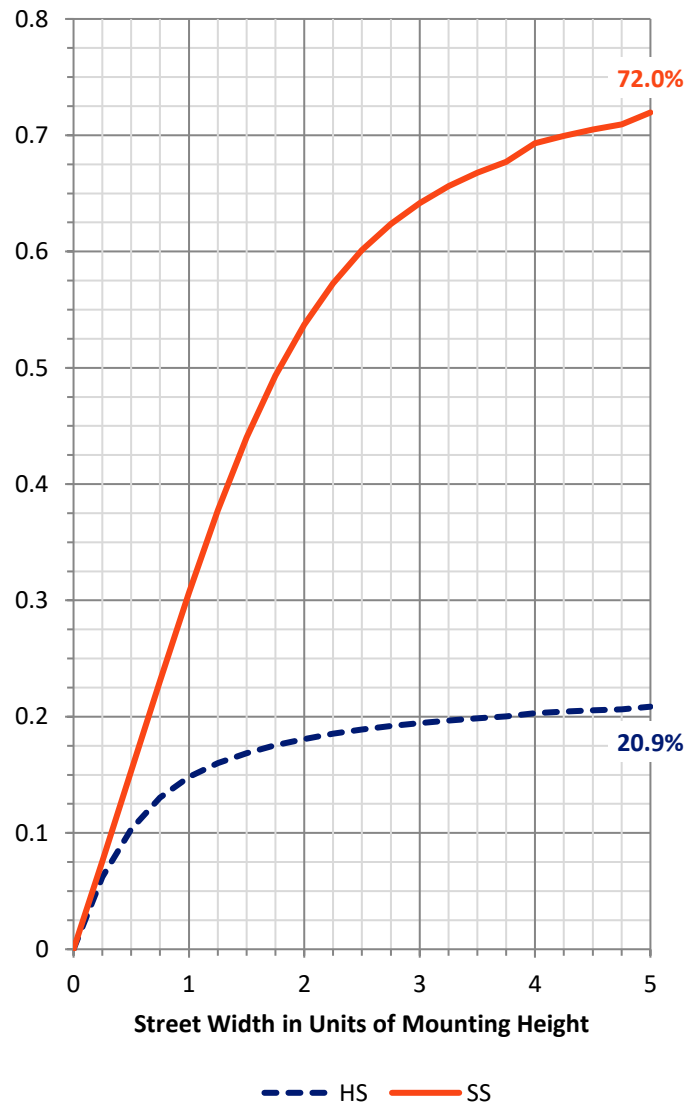
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2032.0	144.5	2176.6
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	6924.7	181.7	7106.4
	% Fixture	74.6	2.0	76.6
Total	Lumens	8956.8	326.2	9283.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	0.2
10°-20°	95.8	1.0
20°-30°	285.9	3.1
30°-40°	620.6	6.7
40°-50°	1088.2	11.7
50°-60°	1724.5	18.6
60°-70°	2327.1	25.1
70°-80°	1996.7	21.5
80°-90°	798.8	8.6
90°-100°	194.4	2.1
100°-110°	68.3	0.7
110°-120°	31.3	0.3
120°-130°	16.9	0.2
130°-140°	9.5	0.1
140°-150°	4.4	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8956.8	96.5
0°-180°	9283.0	100.0



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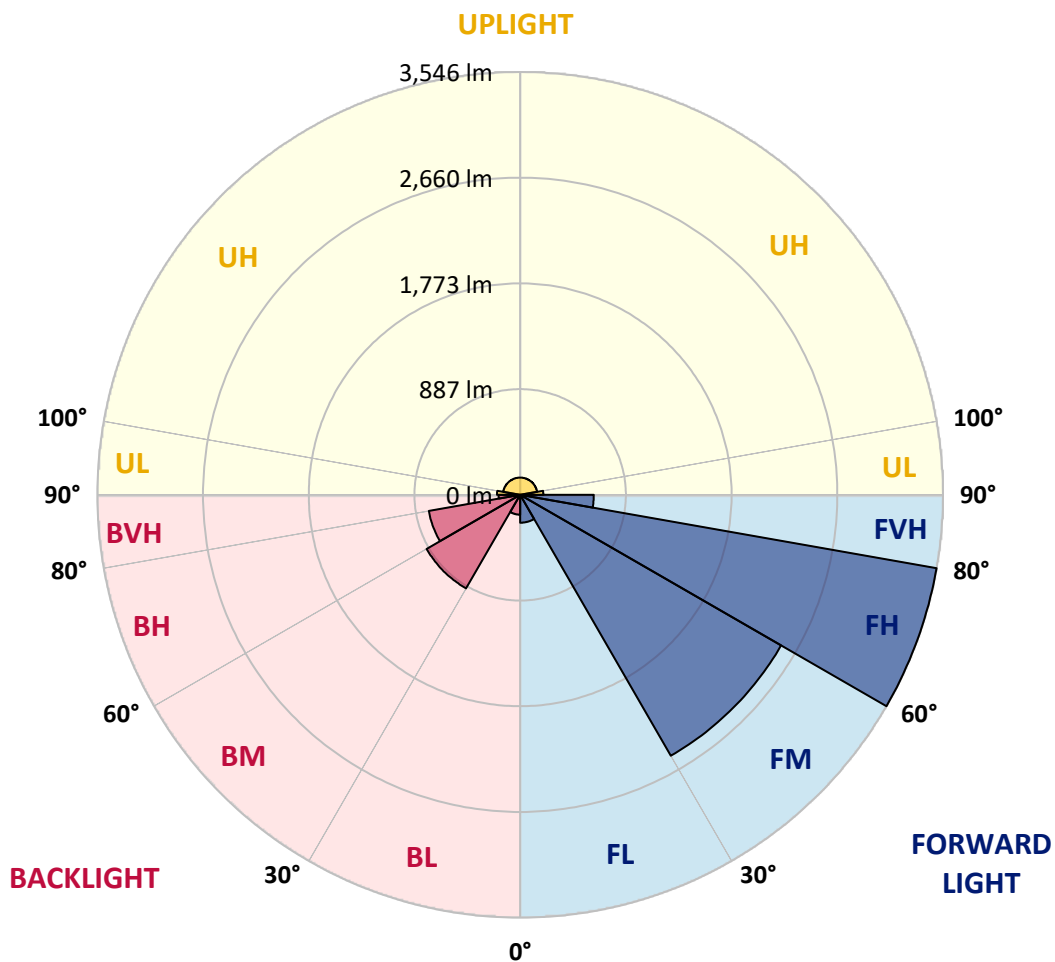
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.2	2.5			
FM (30°-60°)	2526.7	27.2			
FH (60°-80°)	3546.3	38.2			G2/5000
FVH (80°-90°)	617.5	6.7			G4/750
BL (0°-30°)	166.7	1.8	B1/500		
BM (30°-60°)	906.5	9.8	B1/1000		
BH (60°-80°)	777.5	8.4	B2/1000		G2/1000
BVH (80°-90°)	181.4	2.0			G2/225
UL (90°-100°)	194.4	2.1		U3/500	
UH (100°-180°)	144.5	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°	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1
2.5°	182.2	181.1	181.1	182.2	182.2	182.2	179.0	175.7	172.5	171.4	170.3
5°	207.0	204.8	204.8	204.8	203.8	200.5	196.2	191.9	187.6	185.4	183.3
7.5°	239.3	238.3	237.2	234.0	232.9	227.5	221.0	214.5	208.1	205.9	203.8
10°	283.5	282.5	277.1	276.0	270.6	265.2	255.5	245.8	237.2	234.0	230.7
12.5°	339.6	339.6	332.1	323.4	317.0	306.2	297.6	285.7	279.2	274.9	270.6
15°	412.9	408.6	398.9	389.2	372.0	359.0	346.1	339.6	335.3	329.9	323.4
17.5°	493.8	488.4	479.8	460.4	437.7	419.4	407.5	401.1	398.9	395.7	388.1
20°	590.8	584.3	572.5	542.3	517.5	492.7	478.7	475.5	477.6	472.2	464.7
22.5°	706.2	701.9	677.1	639.3	604.8	570.3	557.4	559.6	563.9	571.4	567.1
25°	837.7	826.9	803.2	749.3	692.2	658.7	645.8	655.5	674.9	685.7	677.1
27.5°	990.8	984.3	936.9	866.8	792.4	747.1	737.4	765.5	798.9	807.5	807.5
30°	1152.5	1156.8	1087.8	1004.8	911.0	848.5	836.6	876.5	933.7	939.1	953.1
32.5°	1357.4	1349.8	1277.6	1141.7	1030.7	949.8	942.3	998.4	1070.6	1098.6	1098.6
35°	1571.9	1564.4	1476.0	1315.3	1161.1	1056.6	1062.0	1121.3	1219.4	1254.9	1260.3
37.5°	1818.8	1794.0	1698.1	1498.6	1303.5	1180.6	1170.9	1260.3	1375.7	1426.4	1426.4
40°	2090.5	2076.5	1942.8	1706.7	1449.0	1308.9	1301.3	1404.8	1545.0	1601.0	1611.8
42.5°	2354.6	2336.3	2212.3	1908.3	1617.2	1444.7	1445.8	1559.0	1719.6	1797.2	1811.3
45°	2633.9	2616.6	2480.8	2156.3	1799.4	1612.9	1599.9	1741.2	1933.1	2019.3	2035.5
47.5°	2881.8	2870.0	2752.5	2403.2	2025.8	1792.9	1775.7	1938.5	2160.6	2256.5	2305.0
50°	3151.4	3136.3	3026.3	2666.2	2251.1	1984.8	1983.8	2158.4	2436.6	2553.0	2592.9
52.5°	3370.2	3353.0	3276.4	2930.4	2474.3	2209.1	2190.8	2405.3	2722.3	2889.4	2908.8
55°	3571.9	3565.4	3539.5	3213.9	2746.0	2429.0	2440.9	2695.3	3047.9	3236.6	3265.7
57.5°	3717.4	3726.0	3737.9	3498.5	3012.3	2674.8	2696.4	2986.4	3386.4	3562.2	3602.0
60°	3816.6	3846.8	3925.5	3746.5	3284.0	2943.3	2980.0	3274.3	3712.0	3899.6	3932.0
62.5°	3824.1	3856.5	4039.8	3978.3	3544.9	3218.2	3260.3	3570.8	4003.1	4211.2	4214.4
65°	3680.7	3724.9	4018.2	4103.4	3774.5	3481.3	3519.0	3834.9	4246.8	4431.1	4364.3
67.5°	3433.9	3480.2	3868.3	4114.2	3916.9	3686.1	3740.0	4039.8	4356.7	4495.8	4377.2
70°	3075.9	3121.2	3529.8	3951.4	3942.7	3806.9	3878.0	4123.9	4336.3	4350.3	4183.2
72.5°	2605.8	2601.5	3042.5	3595.6	3799.3	3797.2	3910.4	4060.2	4102.3	4023.6	3775.6
75°	1995.6	2051.7	2453.8	3081.3	3472.7	3625.8	3740.0	3797.2	3676.4	3432.8	3164.3
77.5°	1429.6	1476.0	1841.5	2429.0	2987.5	3270.0	3396.1	3369.2	3069.4	2783.7	2475.4
80°	946.6	973.6	1278.7	1813.4	2408.5	2736.3	2888.3	2784.8	2404.2	2038.7	1772.5
82.5°	568.2	612.4	804.3	1274.4	1786.5	2162.7	2255.5	2083.0	1716.4	1418.8	1223.7
85°	343.9	353.6	500.3	815.1	1247.4	1555.7	1644.2	1458.7	1128.8	886.2	735.3
87.5°	193.0	210.2	309.4	530.4	838.8	1080.3	1111.6	960.6	708.3	549.8	460.4
90°	113.2	125.1	189.8	328.8	534.8	698.6	707.3	581.1	419.4	331.0	294.3
92.5°	72.2	80.9	126.1	211.3	343.9	453.9	442.0	359.0	268.5	221.0	190.8
95°	51.8	56.1	88.4	145.5	230.7	285.7	281.4	225.3	180.0	154.2	140.2
97.5°	38.8	43.1	69.0	106.7	155.3	191.9	187.6	149.9	125.1	113.2	107.8
100°	32.3	34.5	56.1	84.1	115.4	138.0	135.8	111.0	93.8	85.2	83.0
102.5°	28.0	30.2	46.4	67.9	91.6	106.7	102.4	86.3	71.2	63.6	61.5
105°	24.8	25.9	39.9	58.2	75.5	84.1	83.0	69.0	55.0	47.4	46.4
107.5°	22.6	23.7	34.5	49.6	63.6	71.2	69.0	56.1	42.0	36.7	35.6
110°	20.5	21.6	30.2	43.1	53.9	60.4	57.1	46.4	33.4	28.0	28.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	19.4	19.4	27.0	36.7	46.4	51.8	48.5	37.7	25.9	22.6	23.7
115°	18.3	18.3	23.7	32.3	41.0	45.3	41.0	31.3	21.6	19.4	19.4
117.5°	17.3	17.3	21.6	29.1	36.7	39.9	35.6	27.0	18.3	16.2	17.3
120°	16.2	17.3	20.5	25.9	32.3	34.5	31.3	22.6	15.1	15.1	16.2
122.5°	16.2	16.2	19.4	23.7	29.1	30.2	27.0	19.4	14.0	14.0	14.0
125°	16.2	16.2	18.3	21.6	25.9	27.0	22.6	16.2	12.9	12.9	12.9
127.5°	16.2	16.2	17.3	20.5	22.6	23.7	20.5	15.1	11.9	11.9	12.9
130°	15.1	16.2	16.2	18.3	20.5	20.5	17.3	12.9	10.8	10.8	11.9
132.5°	15.1	15.1	16.2	17.3	18.3	18.3	15.1	11.9	9.7	10.8	10.8
135°	15.1	15.1	15.1	16.2	17.3	16.2	12.9	9.7	8.6	9.7	9.7
137.5°	14.0	14.0	14.0	15.1	15.1	14.0	11.9	8.6	8.6	8.6	8.6
140°	12.9	12.9	12.9	12.9	14.0	12.9	9.7	7.5	7.5	7.5	7.5
142.5°	11.9	11.9	11.9	11.9	11.9	10.8	8.6	6.5	6.5	6.5	6.5
145°	10.8	10.8	10.8	10.8	9.7	8.6	6.5	5.4	5.4	6.5	6.5
147.5°	8.6	8.6	8.6	8.6	8.6	7.5	5.4	4.3	5.4	5.4	5.4
150°	7.5	7.5	7.5	7.5	6.5	6.5	4.3	4.3	4.3	5.4	5.4
152.5°	5.4	5.4	5.4	6.5	5.4	4.3	3.2	3.2	4.3	4.3	4.3
155°	4.3	4.3	4.3	4.3	4.3	3.2	2.2	3.2	4.3	4.3	4.3
157.5°	2.2	3.2	3.2	3.2	3.2	3.2	2.2	3.2	3.2	3.2	3.2
160°	1.1	1.1	2.2	2.2	3.2	3.2	2.2	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1	167.1
2.5°	170.3	169.3	168.2	167.1	166.0	166.0	165.0	163.9	162.8	161.7	161.7
5°	182.2	180.0	176.8	174.7	172.5	172.5	170.3	169.3	167.1	166.0	166.0
7.5°	200.5	199.5	193.0	189.8	186.5	185.4	183.3	181.1	179.0	179.0	179.0
10°	227.5	224.3	218.9	210.2	207.0	204.8	201.6	199.5	199.5	200.5	200.5
12.5°	268.5	259.8	252.3	240.4	234.0	229.6	227.5	228.6	234.0	236.1	234.0
15°	315.9	313.7	295.4	278.2	265.2	256.6	262.0	268.5	276.0	278.2	281.4
17.5°	381.7	374.1	349.3	324.5	300.8	296.5	303.0	313.7	322.4	328.8	334.2
20°	460.4	447.4	417.2	374.1	347.2	340.7	345.0	360.1	376.3	389.2	390.3
22.5°	559.6	540.1	486.2	432.3	392.4	381.7	387.0	410.8	434.5	450.7	449.6
25°	667.4	643.6	571.4	493.8	438.8	419.4	429.1	460.4	493.8	513.2	515.3
27.5°	788.1	764.4	664.1	553.1	480.8	451.7	467.9	503.5	548.8	572.5	576.8
30°	930.4	898.1	756.8	616.7	519.7	481.9	497.0	543.4	593.0	626.4	630.7
32.5°	1078.1	1027.5	849.6	668.4	546.6	501.3	518.6	572.5	629.6	666.3	672.8
35°	1231.2	1168.7	943.4	712.6	566.0	513.2	530.4	590.8	651.2	691.1	696.5
37.5°	1403.7	1320.7	1028.5	746.1	576.8	516.4	533.7	594.1	655.5	694.3	699.7
40°	1577.3	1466.3	1099.7	766.6	577.9	513.2	527.2	585.4	643.6	677.1	682.5
42.5°	1763.8	1619.4	1170.9	771.9	572.5	504.6	516.4	568.2	617.8	643.6	646.9
45°	1973.0	1796.2	1231.2	767.6	557.4	491.6	500.3	544.5	583.3	595.1	600.5
47.5°	2194.0	1970.8	1277.6	754.7	542.3	477.6	483.0	519.7	544.5	545.5	546.6
50°	2463.5	2183.2	1334.7	736.4	521.8	464.7	467.9	497.0	508.9	503.5	501.3
52.5°	2758.9	2410.7	1371.4	707.3	503.5	452.8	456.1	478.7	483.0	471.1	472.2
55°	3080.2	2623.1	1402.7	679.2	484.1	445.3	451.7	470.1	470.1	455.0	453.9
57.5°	3379.9	2839.8	1416.7	643.6	467.9	439.9	450.7	469.0	466.8	452.8	451.7
60°	3670.0	3016.6	1399.4	609.1	457.1	437.7	457.1	476.5	474.4	462.5	461.4
62.5°	3870.5	3127.7	1356.3	574.6	447.4	441.0	464.7	487.3	487.3	474.4	474.4
65°	3956.7	3114.7	1267.9	540.1	439.9	443.1	475.5	499.2	497.0	486.2	484.1
67.5°	3884.5	2997.2	1149.3	506.7	433.4	445.3	480.8	505.6	503.5	491.6	489.5
70°	3652.7	2750.3	1005.9	476.5	424.8	442.0	483.0	504.6	501.3	490.6	486.2
72.5°	3191.3	2366.5	856.0	447.4	411.8	434.5	476.5	495.9	492.7	484.1	478.7
75°	2628.5	1908.3	707.3	415.1	395.7	420.5	462.5	479.8	475.5	467.9	462.5
77.5°	2009.6	1441.5	584.3	384.9	376.3	402.1	443.1	456.1	451.7	445.3	442.0
80°	1422.1	1026.4	470.1	351.5	348.2	374.1	408.6	422.6	420.5	414.0	408.6
82.5°	935.8	682.5	375.2	313.7	315.9	342.8	368.7	376.3	375.2	369.8	363.3
85°	576.8	449.6	295.4	270.6	280.3	301.9	323.4	324.5	321.3	320.2	310.5
87.5°	367.6	307.3	231.8	229.6	243.7	262.0	271.7	267.4	269.5	269.5	262.0
90°	239.3	215.6	185.4	191.9	207.0	221.0	225.3	213.5	219.9	216.7	213.5
92.5°	173.6	160.6	150.9	159.6	174.7	187.6	185.4	172.5	175.7	175.7	174.7
95°	131.5	125.1	126.1	134.8	146.6	155.3	150.9	140.2	141.2	139.1	135.8
97.5°	103.5	102.4	106.7	113.2	124.0	129.4	125.1	115.4	114.3	111.0	110.0
100°	81.9	83.0	89.5	97.0	103.5	107.8	104.6	94.9	90.6	85.2	84.1
102.5°	63.6	65.8	74.4	80.9	87.3	90.6	87.3	79.8	72.2	66.8	65.8
105°	49.6	51.8	61.5	67.9	73.3	75.5	73.3	64.7	57.1	50.7	50.7
107.5°	38.8	41.0	50.7	58.2	61.5	63.6	60.4	53.9	45.3	39.9	39.9
110°	31.3	33.4	42.0	48.5	51.8	53.9	50.7	43.1	36.7	32.3	32.3



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.8	28.0	34.5	41.0	44.2	45.3	42.0	36.7	29.1	27.0	27.0
115°	21.6	23.7	29.1	34.5	37.7	37.7	35.6	30.2	23.7	22.6	22.6
117.5°	18.3	20.5	24.8	30.2	32.3	32.3	30.2	24.8	20.5	19.4	19.4
120°	17.3	18.3	21.6	25.9	28.0	28.0	25.9	21.6	17.3	17.3	17.3
122.5°	15.1	16.2	19.4	22.6	24.8	24.8	22.6	18.3	15.1	16.2	16.2
125°	14.0	15.1	17.3	19.4	21.6	21.6	19.4	16.2	14.0	14.0	14.0
127.5°	12.9	14.0	15.1	17.3	18.3	18.3	17.3	14.0	12.9	12.9	12.9
130°	11.9	12.9	14.0	15.1	16.2	16.2	14.0	11.9	11.9	11.9	11.9
132.5°	11.9	11.9	11.9	12.9	14.0	14.0	12.9	10.8	10.8	10.8	10.8
135°	10.8	10.8	10.8	10.8	11.9	11.9	10.8	9.7	9.7	9.7	9.7
137.5°	9.7	9.7	9.7	9.7	10.8	10.8	9.7	8.6	8.6	8.6	8.6
140°	8.6	8.6	8.6	7.5	8.6	8.6	7.5	7.5	7.5	7.5	7.5
142.5°	6.5	7.5	6.5	6.5	6.5	6.5	6.5	5.4	6.5	6.5	6.5
145°	6.5	6.5	6.5	5.4	5.4	5.4	5.4	4.3	5.4	5.4	5.4
147.5°	5.4	5.4	5.4	4.3	3.2	4.3	3.2	4.3	4.3	4.3	4.3
150°	5.4	5.4	4.3	4.3	3.2	2.2	2.2	3.2	3.2	3.2	3.2
152.5°	4.3	4.3	4.3	3.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
155°	4.3	4.3	3.2	3.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	3.2	3.2	3.2	2.2	2.2	1.1	0.0	1.1	0.0	0.0	0.0
160°	3.2	3.2	3.2	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)