

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: P255172

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-T4W-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7947.5 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G4

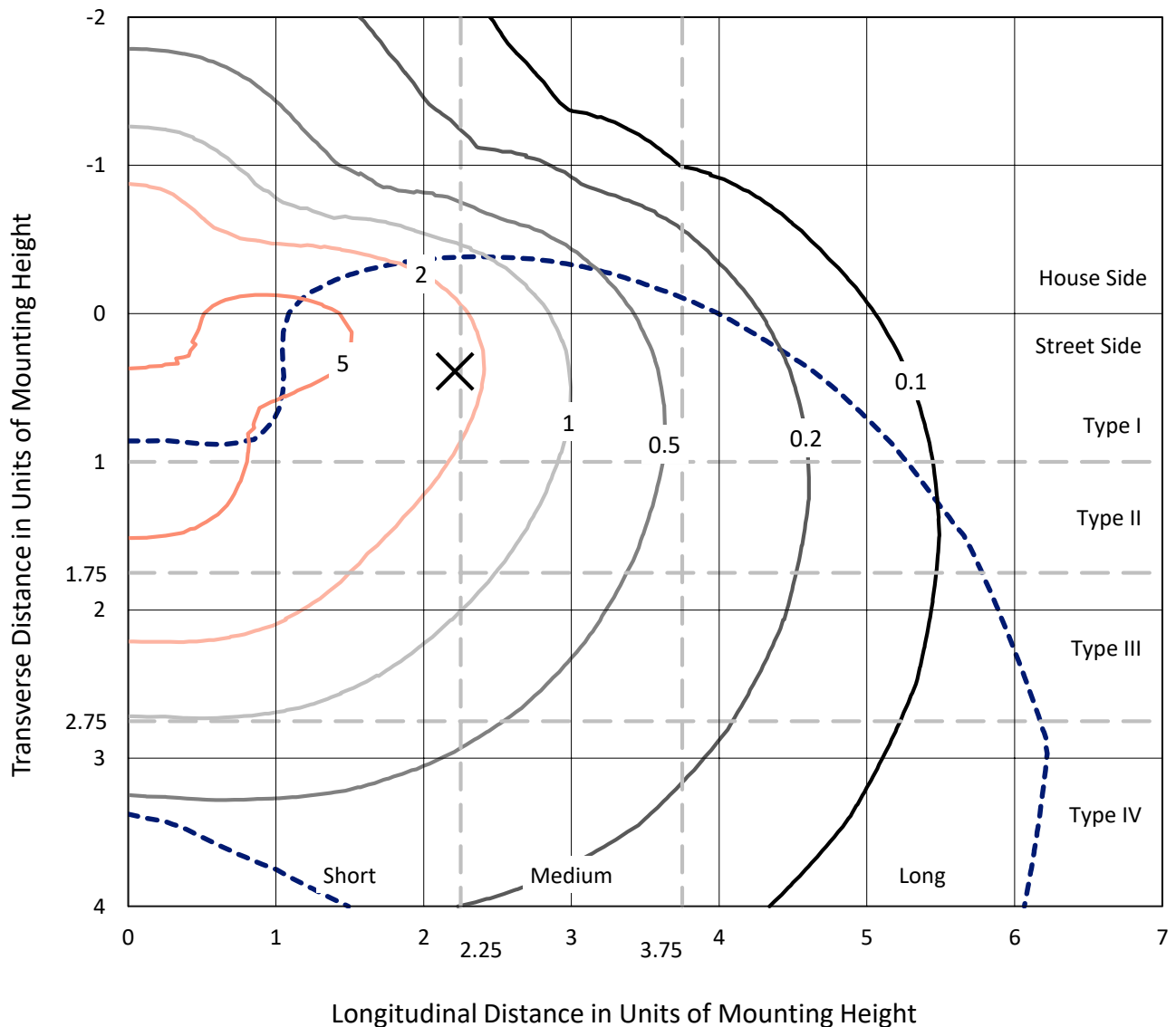
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

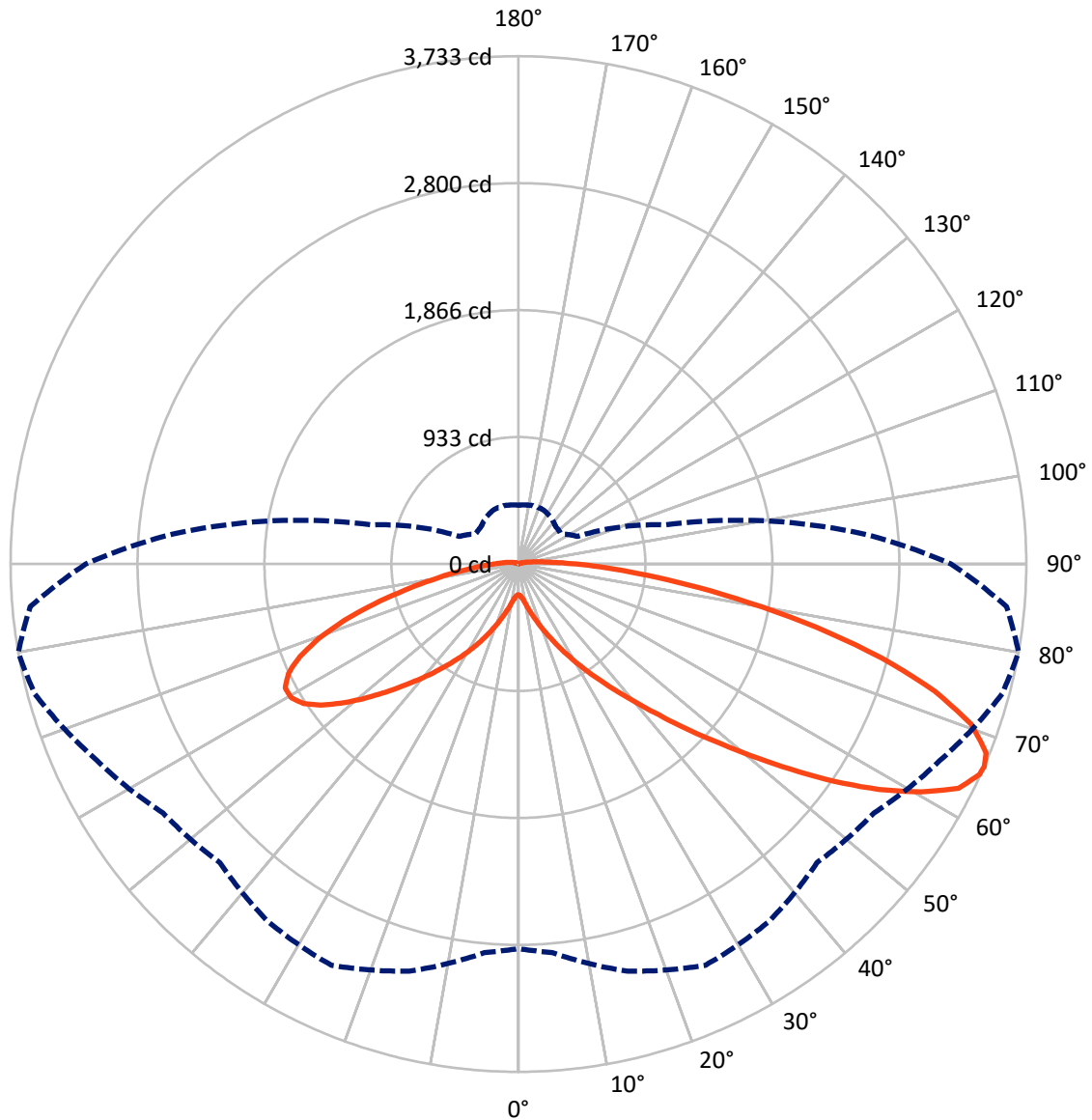


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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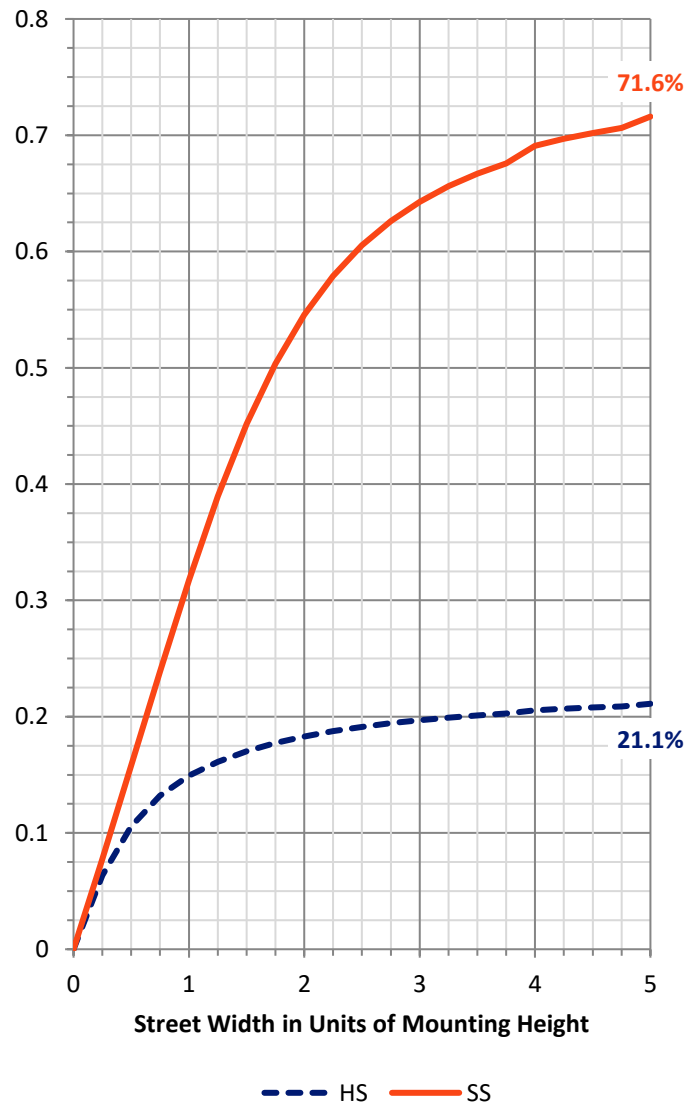
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1762.5	113.6	1876.1
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	5919.3	152.2	6071.4
	% Fixture	74.5	1.9	76.4
Total	Lumens	7681.7	265.8	7947.5
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.3
10°-20°	107.9	1.4
20°-30°	275.4	3.5
30°-40°	545.1	6.9
40°-50°	944.8	11.9
50°-60°	1506.6	19.0
60°-70°	1958.6	24.6
70°-80°	1620.0	20.4
80°-90°	698.9	8.8
90°-100°	182.3	2.3
100°-110°	53.7	0.7
110°-120°	20.1	0.3
120°-130°	6.9	0.1
130°-140°	2.2	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7681.7	96.7
0°-180°	7947.5	100.0



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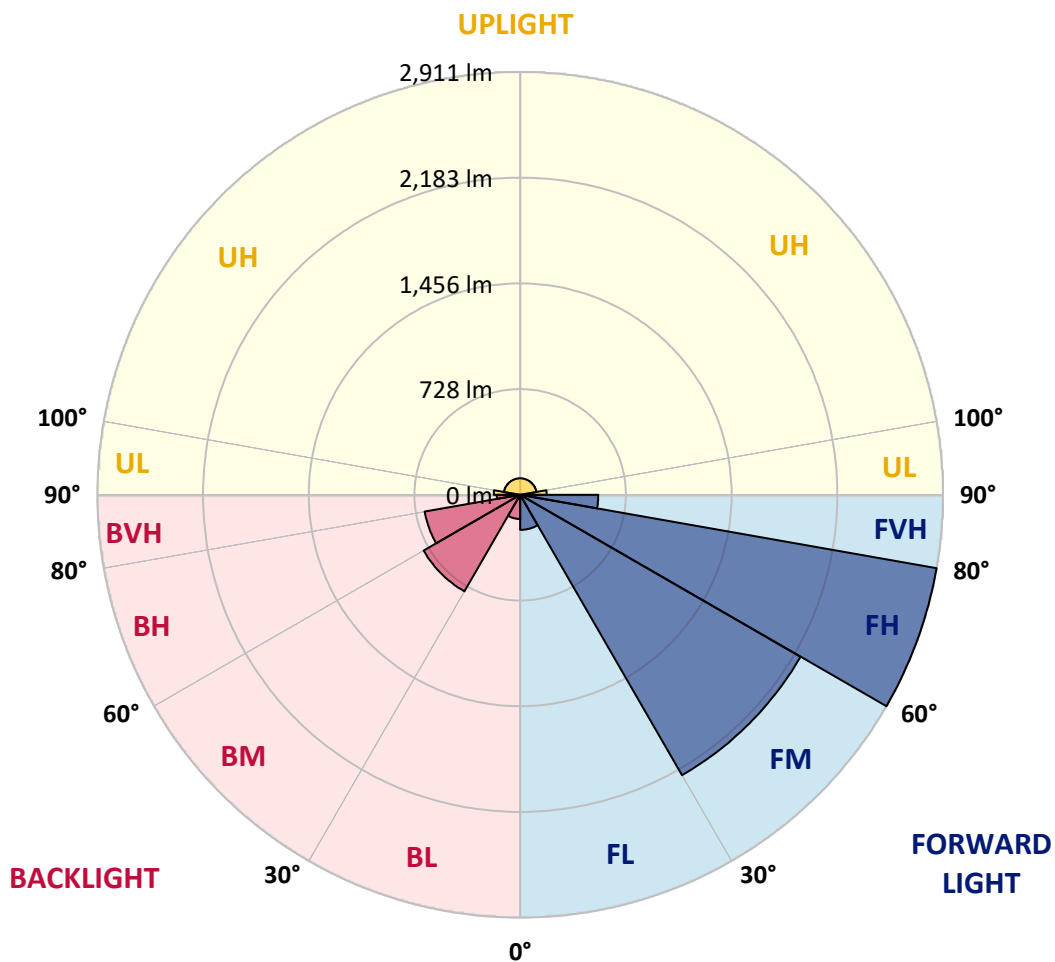
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.4	3.0			
FM	(30°-60°)	2228.8	28.0			
FH	(60°-80°)	2911.1	36.6			G2/5000
FVH	(80°-90°)	537.9	6.8			G4/750
BL	(0°-30°)	166.4	2.1	B1/500		
BM	(30°-60°)	767.6	9.7	B1/1000		
BH	(60°-80°)	667.5	8.4	B2/1000		G2/1000
BVH	(80°-90°)	161.0	2.0			G2/225
UL	(90°-100°)	182.3	2.3		U3/500	
UH	(100°-180°)	113.6	1.4		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4
2.5°	243.5	242.5	243.5	243.5	242.5	241.7	238.8	236.9	234.1	232.0	231.2
5°	263.7	262.7	262.7	262.7	261.6	259.8	256.0	252.2	248.3	245.5	244.5
7.5°	292.3	289.4	289.4	288.5	286.6	283.6	278.9	275.2	271.3	266.5	264.6
10°	331.5	329.5	326.6	324.7	320.0	317.1	311.4	306.6	303.7	299.9	296.1
12.5°	378.2	381.1	379.2	371.6	365.8	361.1	353.5	350.5	347.7	342.8	340.1
15°	439.3	441.3	436.5	428.9	419.3	413.5	405.9	399.3	397.3	391.5	387.8
17.5°	509.1	513.0	505.4	493.9	481.4	468.0	462.2	455.6	452.8	447.0	443.1
20°	592.1	596.0	585.5	568.3	550.1	531.1	524.3	516.7	515.8	510.0	507.2
22.5°	689.7	692.4	676.2	651.4	625.6	600.8	590.3	582.7	583.6	578.8	577.9
25°	802.3	803.3	780.3	747.9	708.8	675.3	661.0	657.2	661.0	658.1	656.2
27.5°	929.4	928.3	907.4	856.8	797.6	751.7	734.6	735.5	744.0	746.0	746.0
30°	1069.7	1073.6	1038.3	972.3	895.0	831.9	813.8	817.6	842.5	842.5	842.5
32.5°	1233.1	1232.1	1192.0	1096.5	1000.0	922.7	898.7	902.6	933.2	947.5	942.7
35°	1415.6	1413.6	1364.0	1241.7	1114.7	1019.2	986.7	1004.8	1046.8	1063.1	1059.3
37.5°	1611.3	1611.3	1553.1	1403.1	1239.8	1124.2	1088.9	1109.0	1168.2	1194.9	1180.5
40°	1811.9	1812.9	1744.1	1585.6	1382.1	1238.9	1198.7	1234.1	1317.1	1342.9	1333.4
42.5°	2012.5	2006.8	1942.7	1766.0	1535.0	1367.8	1319.1	1378.3	1479.6	1515.9	1502.5
45°	2215.0	2211.2	2153.0	1956.2	1702.0	1507.2	1456.7	1533.0	1664.8	1723.1	1709.7
47.5°	2410.8	2410.8	2356.4	2147.2	1883.5	1665.7	1620.0	1714.5	1881.7	1945.7	1948.5
50°	2595.1	2598.0	2551.2	2356.4	2068.9	1840.6	1800.5	1923.7	2141.5	2211.2	2216.0
52.5°	2767.1	2774.7	2744.1	2574.1	2276.1	2035.4	2006.8	2146.3	2401.3	2503.4	2515.9
55°	2920.0	2922.8	2919.0	2776.6	2489.2	2239.9	2230.3	2397.4	2710.7	2820.5	2820.5
57.5°	3026.9	3044.1	3079.5	2963.8	2710.7	2463.4	2461.4	2658.2	2994.4	3125.3	3117.6
60°	3075.6	3094.7	3184.5	3131.1	2916.1	2687.8	2707.9	2930.5	3296.3	3401.3	3394.5
62.5°	3045.0	3069.8	3216.0	3242.7	3079.5	2897.0	2935.1	3175.0	3508.4	3631.4	3557.1
65°	2903.7	2939.9	3144.4	3267.6	3187.3	3056.5	3129.0	3367.0	3653.5	3726.1	3613.3
66°	2826.3	2866.4	3097.6	3253.3	3208.4	3103.3	3189.3	3417.5	3681.2	3732.8	3601.8
67.5°	2697.4	2729.9	2994.4	3201.8	3217.9	3166.4	3261.0	3467.3	3673.6	3707.9	3539.8
70°	2396.5	2436.6	2728.9	3041.2	3169.2	3206.4	3310.5	3461.5	3579.9	3532.2	3308.7
72.5°	2030.7	2093.7	2384.0	2765.2	3015.4	3145.3	3258.9	3336.3	3331.6	3201.8	2935.1
75°	1617.0	1656.3	1963.8	2376.4	2727.0	2968.6	3082.3	3068.9	2949.6	2754.7	2455.7
77.5°	1207.4	1246.4	1519.7	1926.6	2327.8	2633.3	2736.5	2678.3	2456.7	2240.8	1951.4
80°	850.0	884.5	1112.8	1492.9	1880.7	2195.9	2281.9	2198.8	1927.6	1713.5	1467.2
82.5°	579.7	595.0	786.1	1115.6	1466.1	1734.6	1817.6	1710.7	1451.8	1248.4	1056.4
85°	356.3	378.2	533.9	794.7	1078.4	1284.7	1349.7	1265.5	1043.0	880.6	727.7
87.5°	208.2	220.6	330.5	535.8	775.6	944.6	978.1	899.7	715.4	596.0	483.4
90°	111.8	121.3	190.1	334.4	526.3	653.4	678.2	605.6	468.0	380.1	309.4
92.5°	65.9	71.7	113.6	201.6	337.2	429.8	447.0	388.8	294.2	243.5	202.4
95°	42.9	46.8	74.6	126.0	207.3	272.2	280.8	240.7	186.3	160.5	140.4
97.5°	31.4	33.5	53.5	86.0	130.9	167.1	173.8	149.0	123.3	110.8	100.3
100°	24.8	26.8	41.1	63.1	87.9	107.9	109.8	97.5	85.0	78.3	74.6
102.5°	21.0	22.0	33.5	49.7	65.9	76.4	77.3	68.8	60.2	56.4	55.4
105°	18.1	19.1	28.6	41.1	52.6	59.2	59.2	51.6	43.9	41.1	42.1
107.5°	15.3	16.3	23.9	34.4	43.9	48.7	47.7	40.1	32.4	29.6	30.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	13.3	14.3	21.0	29.6	38.2	41.1	39.2	31.4	23.0	21.0	22.0
112.5°	12.4	12.4	18.1	25.7	32.4	34.4	31.4	23.9	16.3	15.3	16.3
115°	10.5	11.5	15.3	22.0	26.8	28.6	25.7	18.1	11.5	11.5	12.4
117.5°	9.5	10.5	13.3	18.1	23.0	23.9	21.0	14.3	8.6	8.6	9.5
120°	8.6	8.6	11.5	15.3	19.1	19.1	16.3	10.5	6.7	6.7	7.6
122.5°	7.6	8.6	9.5	12.4	15.3	15.3	12.4	7.6	5.7	5.7	6.7
125°	6.7	7.6	8.6	10.5	12.4	12.4	9.5	5.7	4.8	5.7	5.7
127.5°	6.7	6.7	7.6	8.6	10.5	9.5	7.6	3.9	4.8	4.8	5.7
130°	5.7	5.7	6.7	6.7	7.6	7.6	5.7	3.9	3.9	4.8	4.8
132.5°	4.8	4.8	5.7	5.7	6.7	5.7	3.9	2.8	3.9	3.9	4.8
135°	3.9	3.9	3.9	4.8	4.8	3.9	2.8	2.8	3.9	3.9	3.9
137.5°	3.9	2.8	3.9	3.9	2.8	1.8	1.8	1.8	2.8	3.9	3.9
140°	1.8	1.8	1.8	1.8	1.8	1.0	1.0	1.8	2.8	2.8	3.9
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.8	1.8	2.8	2.8
145°	0.0	0.0	1.0	1.0	0.0	0.0	1.0	1.0	1.8	1.8	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.8	1.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4
2.5°	230.2	229.2	226.3	224.4	222.6	220.6	220.6	220.6	219.7	218.7	218.7
5°	242.5	240.7	236.9	233.0	228.3	224.4	222.6	221.6	219.7	217.8	217.8
7.5°	262.7	259.8	253.2	245.5	240.7	235.0	233.0	231.2	228.3	226.3	225.4
10°	293.3	288.5	277.9	268.4	258.8	251.2	248.3	246.4	244.5	244.5	244.5
12.5°	334.4	328.6	315.2	298.1	286.6	275.2	271.3	270.3	271.3	272.2	272.2
15°	382.1	372.5	355.3	332.3	316.2	303.7	299.9	299.9	301.9	302.7	302.7
17.5°	437.5	426.0	397.3	370.6	348.6	335.2	329.5	329.5	333.3	335.2	336.2
20°	495.7	483.4	450.8	407.9	380.1	364.8	358.2	359.1	364.0	368.6	369.7
22.5°	562.5	548.3	499.6	447.0	410.7	390.7	383.1	385.9	393.6	400.2	402.1
25°	638.9	620.8	556.9	489.1	438.4	411.7	405.9	411.7	423.2	431.7	432.6
27.5°	722.1	699.1	615.1	527.2	459.4	425.0	421.2	432.6	446.1	456.6	458.5
30°	814.7	786.1	676.2	560.7	475.8	435.5	431.7	447.0	463.3	475.8	477.6
32.5°	917.9	878.8	735.5	589.4	485.2	439.3	437.5	455.6	475.8	488.1	490.0
35°	1029.7	978.1	798.4	612.3	489.1	438.4	437.5	458.5	479.5	491.8	492.9
37.5°	1153.8	1090.7	858.7	629.5	488.1	434.7	434.7	456.6	476.6	488.1	488.1
40°	1297.1	1213.0	924.6	641.0	483.4	427.9	428.9	448.9	468.0	475.8	476.6
42.5°	1460.5	1354.4	984.8	645.7	473.7	420.3	420.3	440.4	455.6	459.4	459.4
45°	1647.6	1512.0	1050.6	644.7	464.3	411.7	412.7	429.8	441.3	442.3	441.3
47.5°	1872.1	1694.4	1112.8	641.0	450.8	403.0	405.9	421.2	429.8	428.9	427.9
50°	2118.5	1891.2	1173.9	632.3	439.3	397.3	401.2	415.5	423.2	420.3	418.4
52.5°	2385.0	2096.5	1228.3	619.0	426.9	392.6	399.3	413.5	420.3	415.5	415.5
55°	2661.1	2300.0	1271.3	598.8	416.5	389.7	400.2	413.5	421.2	416.5	416.5
57.5°	2911.3	2474.8	1291.3	575.9	407.9	388.8	402.1	418.4	425.0	421.2	421.2
60°	3108.1	2597.1	1278.0	549.2	399.3	387.8	405.9	424.0	431.7	426.9	426.9
62.5°	3225.6	2651.5	1230.3	520.5	392.6	388.8	411.7	432.6	438.4	432.6	430.8
65°	3220.8	2595.1	1150.0	490.0	385.9	388.8	415.5	437.5	442.3	435.5	432.6
66°	3178.8	2546.4	1109.0	478.5	383.9	387.8	416.5	437.5	443.1	435.5	432.6
67.5°	3099.4	2446.2	1041.1	460.4	379.2	386.9	417.4	438.4	442.3	435.5	431.7
70°	2849.3	2223.7	914.1	429.8	370.6	382.1	414.5	435.5	438.4	432.6	428.9
72.5°	2474.8	1907.4	785.1	399.3	359.1	371.6	406.9	426.0	430.8	425.0	421.2
75°	2033.6	1547.3	656.2	369.7	342.0	356.3	391.5	410.7	416.5	411.7	406.9
77.5°	1580.8	1184.4	532.9	341.0	321.9	337.2	370.6	387.8	393.6	387.8	384.9
80°	1172.9	875.9	427.9	310.4	299.0	313.2	344.8	360.1	365.8	359.1	357.3
82.5°	841.6	635.2	341.0	277.0	271.3	284.6	313.2	326.6	331.5	327.7	320.9
85°	562.5	437.5	269.4	240.7	241.7	254.0	277.9	286.6	292.3	288.5	282.8
87.5°	381.1	299.9	212.9	204.5	207.3	215.9	237.8	244.5	248.3	243.5	242.5
90°	248.3	207.3	169.1	172.8	176.7	183.3	196.7	199.6	204.5	199.6	198.7
92.5°	169.1	151.9	137.5	144.2	149.0	153.7	161.3	163.4	167.1	163.4	161.3
95°	124.1	117.5	111.8	120.4	125.1	128.0	132.8	131.7	134.7	130.9	128.9
97.5°	94.5	90.6	91.7	99.3	104.2	106.0	107.9	106.0	107.0	103.1	101.3
100°	73.5	71.7	74.6	82.2	86.0	86.0	87.0	85.0	83.1	79.3	76.4
102.5°	56.4	56.4	60.2	67.8	70.7	70.7	69.7	66.8	64.0	60.2	60.2
105°	42.9	43.9	49.7	56.4	58.2	57.4	57.4	53.5	49.7	44.9	44.9
107.5°	32.4	33.5	39.2	45.9	47.7	47.7	45.9	42.1	37.2	33.5	33.5



REPORT NUMBER: P255172

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T4W-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.9	25.7	31.4	37.2	39.2	38.2	37.2	32.4	27.8	24.8	23.9
112.5°	18.1	19.1	24.8	29.6	31.4	31.4	29.6	24.8	20.1	18.1	18.1
115°	13.3	15.3	19.1	23.9	24.8	24.8	23.0	19.1	14.3	12.4	13.3
117.5°	10.5	11.5	15.3	19.1	19.1	19.1	17.2	13.3	10.5	9.5	9.5
120°	8.6	9.5	11.5	14.3	14.3	14.3	12.4	9.5	7.6	6.7	7.6
122.5°	6.7	7.6	8.6	10.5	10.5	10.5	9.5	6.7	4.8	4.8	5.7
125°	6.7	6.7	6.7	7.6	7.6	7.6	6.7	4.8	3.9	3.9	3.9
127.5°	5.7	5.7	5.7	5.7	5.7	4.8	3.9	2.8	1.8	2.8	2.8
130°	5.7	5.7	4.8	4.8	3.9	2.8	1.8	1.0	1.0	1.8	1.8
132.5°	4.8	4.8	4.8	3.9	2.8	1.8	1.0	0.0	0.0	1.0	1.0
135°	4.8	4.8	3.9	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.9	3.9	3.9	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.9	3.9	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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)