

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: P266207

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-SL3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6885 lumens
Efficiency: N/A
Efficacy: 73.2 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: B1 - 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

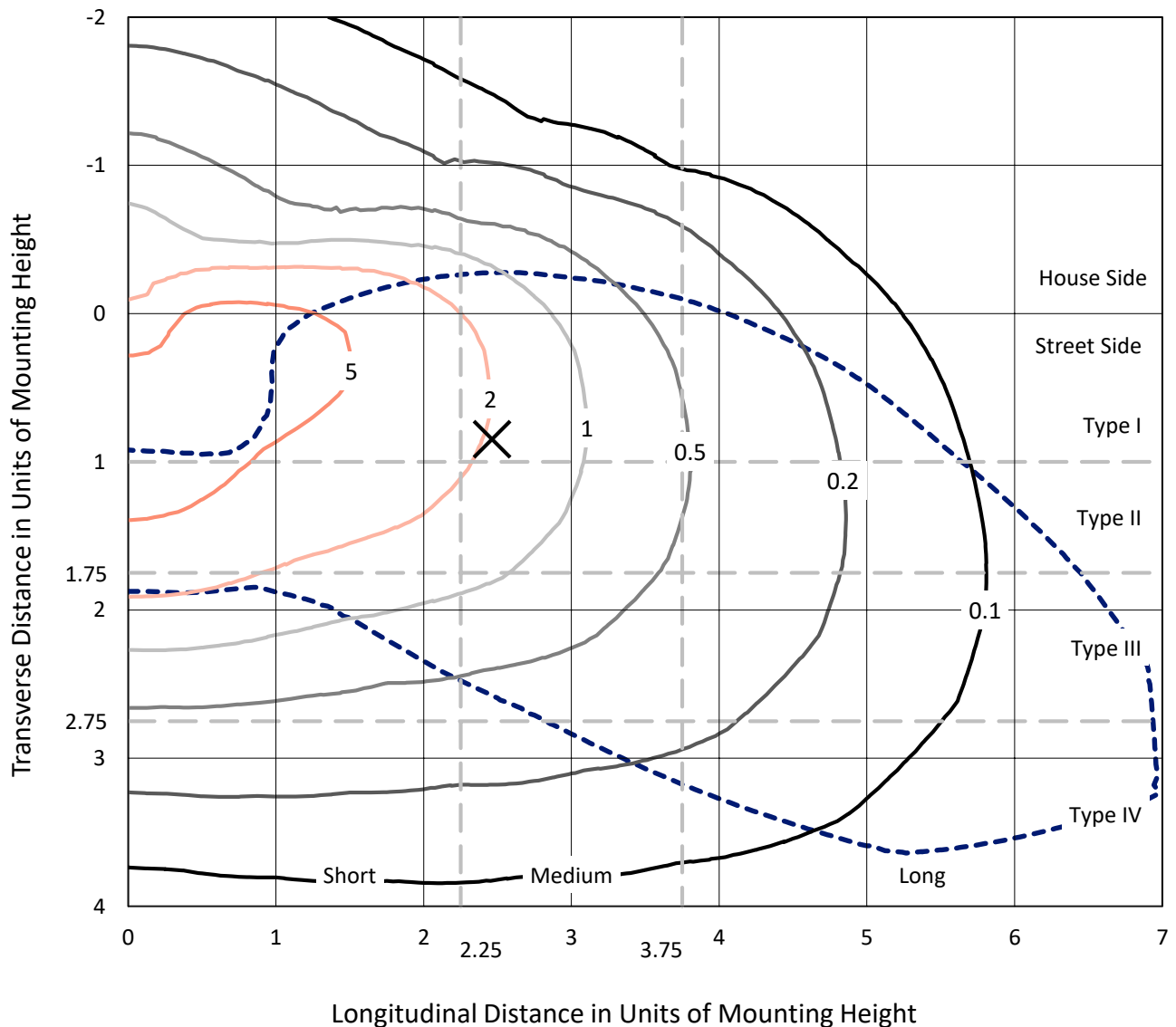


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

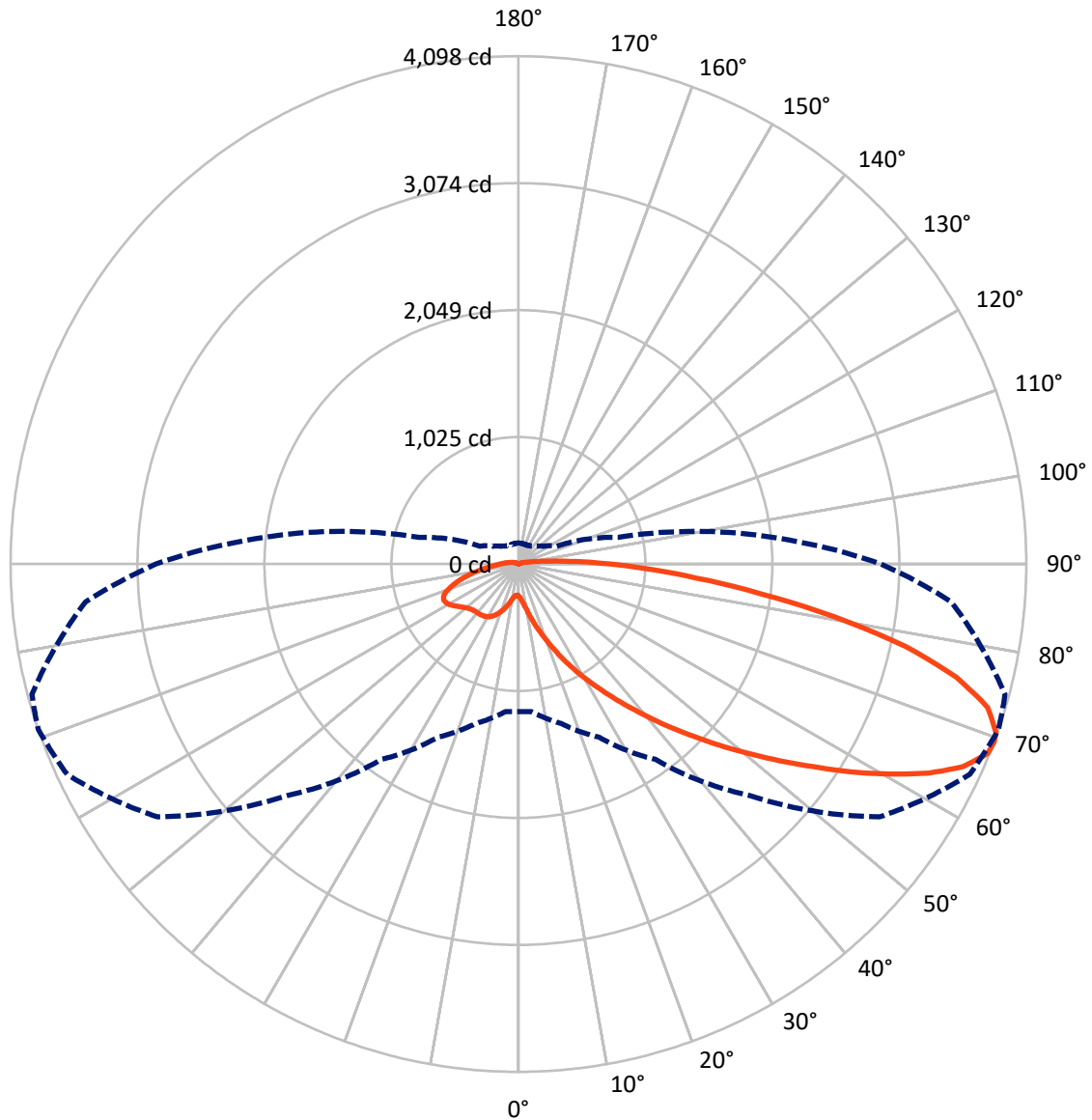


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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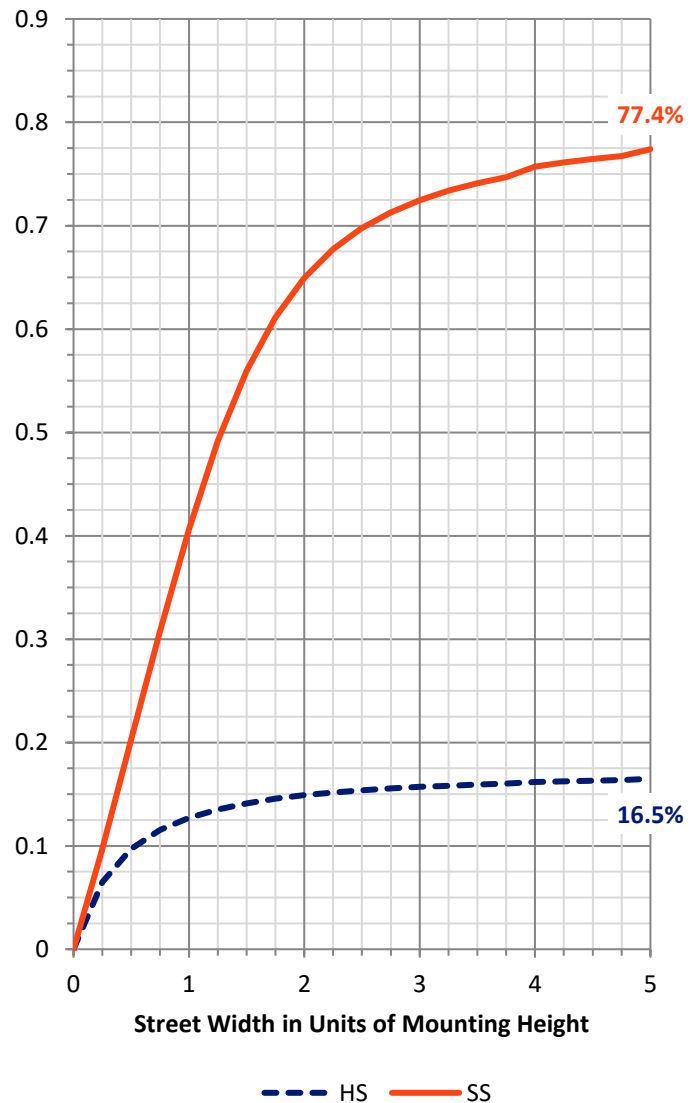
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.8	87.9	1270.7
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	5478.3	136.0	5614.3
	% Fixture	79.6	2.0	81.5
Total	Lumens	6661.1	223.9	6885.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	0.4
10°-20°	112.1	1.6
20°-30°	270.8	3.9
30°-40°	527.2	7.7
40°-50°	902.3	13.1
50°-60°	1346.5	19.6
60°-70°	1619.2	23.5
70°-80°	1295.7	18.8
80°-90°	560.1	8.1
90°-100°	150.5	2.2
100°-110°	46.2	0.7
110°-120°	17.6	0.3
120°-130°	6.4	0.1
130°-140°	2.4	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6661.1	96.7
0°-180°	6885.0	100.0

Coefficient of Utilization



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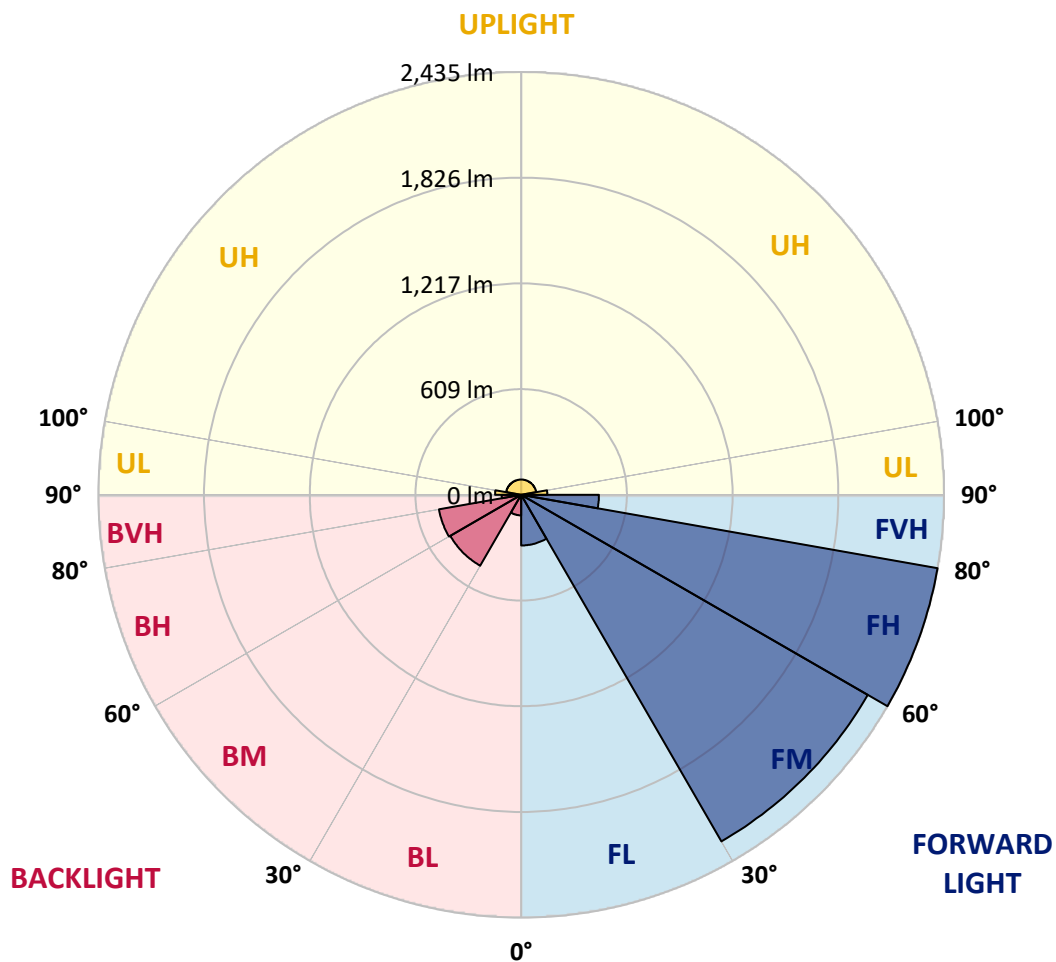
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.6	4.2			
FM (30°-60°)	2304.3	33.5			
FH (60°-80°)	2434.6	35.4			G2/5000
FVH (80°-90°)	447.7	6.5			G3/500
BL (0°-30°)	118.4	1.7	B1/500		
BM (30°-60°)	471.8	6.9	B1/1000		
BH (60°-80°)	480.3	7.0	B1/500		G1/500
BVH (80°-90°)	112.4	1.6			G2/225
UL (90°-100°)	150.5	2.2		U3/500	
UH (100°-180°)	87.9	1.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3
2.5°	292.6	292.6	291.7	292.6	288.3	286.6	281.3	276.3	272.8	271.9	264.2
5°	326.9	326.9	326.1	326.1	320.9	317.5	310.5	302.0	297.7	294.3	281.3
7.5°	366.2	365.5	364.6	365.5	361.2	353.5	347.5	336.3	332.1	325.1	308.8
10°	414.4	412.6	413.5	411.0	404.1	400.6	394.6	382.7	377.5	372.3	353.5
12.5°	472.7	472.7	471.0	465.9	458.9	457.2	454.7	447.9	441.0	434.2	407.6
15°	537.9	536.2	533.7	526.8	520.7	517.3	520.7	516.4	511.3	502.7	471.9
17.5°	612.6	609.1	604.7	596.3	586.9	588.5	592.0	588.5	581.7	579.0	542.1
20°	694.8	694.1	685.4	670.9	662.3	657.2	666.6	670.9	664.8	662.3	620.3
22.5°	792.8	786.7	775.5	757.5	742.1	733.6	743.8	759.2	757.5	754.0	709.5
25°	906.7	897.3	886.3	854.5	828.7	814.1	828.7	850.2	858.8	855.4	803.1
27.5°	1034.7	1021.8	1003.8	966.8	924.9	895.7	916.4	944.6	965.9	967.7	904.2
30°	1173.6	1162.4	1138.4	1084.4	1025.2	989.3	1005.6	1048.4	1078.4	1080.1	1010.7
32.5°	1332.4	1320.4	1272.3	1214.8	1138.4	1088.7	1105.0	1160.8	1196.8	1208.8	1126.5
35°	1503.0	1490.2	1449.9	1359.9	1261.1	1196.8	1214.8	1284.2	1328.1	1346.1	1250.0
37.5°	1685.0	1663.5	1617.2	1516.8	1405.3	1322.9	1331.5	1413.0	1473.0	1496.1	1388.2
40°	1862.5	1854.0	1791.3	1673.8	1539.2	1449.9	1457.6	1552.8	1628.4	1654.9	1535.7
42.5°	2044.5	2024.7	1965.5	1829.0	1680.6	1583.7	1602.5	1709.8	1802.4	1831.6	1690.2
45°	2217.7	2200.6	2125.1	1980.0	1825.6	1728.7	1755.3	1888.2	1984.4	2023.1	1866.0
47.5°	2374.7	2352.4	2276.0	2119.1	1968.0	1881.4	1915.7	2073.6	2185.9	2230.6	2063.2
50°	2487.9	2470.0	2391.8	2238.3	2098.5	2041.8	2105.4	2275.1	2402.2	2462.3	2277.8
52.5°	2537.7	2529.2	2454.4	2316.4	2211.7	2201.4	2318.0	2492.3	2636.3	2701.7	2506.9
55°	2519.7	2506.9	2464.8	2354.2	2298.4	2356.8	2541.1	2740.2	2887.8	2958.1	2753.0
57.5°	2417.6	2409.1	2405.7	2336.1	2349.0	2505.2	2761.7	3018.1	3163.1	3219.7	2999.4
60°	2244.3	2239.1	2274.4	2270.9	2361.9	2626.1	2994.1	3312.4	3441.1	3506.4	3240.4
62.5°	1986.2	1998.1	2078.8	2148.2	2319.9	2706.8	3206.9	3581.0	3715.7	3762.9	3427.5
65°	1684.1	1705.5	1813.7	1955.3	2222.9	2740.2	3399.0	3814.4	3943.0	3960.2	3546.7
67.5°	1348.6	1383.0	1511.7	1708.1	2056.4	2709.3	3520.1	3971.3	4082.8	4061.3	3557.0
69°	1190.9	1195.0	1331.5	1542.6	1924.3	2643.3	3557.0	4017.7	4098.2	4064.8	3506.4
70°	1075.0	1081.9	1216.6	1434.5	1826.6	2578.9	3556.1	4028.8	4089.8	4037.4	3457.4
72.5°	796.2	821.9	955.7	1180.6	1575.2	2356.8	3441.1	3967.1	3961.0	3866.7	3195.8
75°	578.2	599.7	728.3	950.5	1326.3	2064.1	3158.9	3711.3	3652.1	3531.1	2796.0
77.5°	412.6	418.7	532.8	747.3	1094.8	1727.9	2727.3	3255.0	3193.1	3012.1	2289.8
80°	278.8	284.0	377.5	565.4	881.1	1420.0	2245.1	2668.1	2585.9	2389.3	1738.1
82.5°	180.2	189.6	263.5	415.2	689.8	1145.2	1773.3	2066.7	1972.4	1796.5	1278.3
85°	126.1	128.6	182.7	300.3	518.2	886.3	1347.0	1538.3	1440.4	1295.4	892.2
87.5°	84.1	86.6	128.6	217.8	377.5	648.5	979.0	1091.4	1007.2	890.5	594.6
90°	53.2	57.5	89.2	155.2	271.9	452.9	677.0	731.0	670.9	575.6	368.9
92.5°	37.8	39.4	62.6	111.5	193.0	310.5	441.8	463.3	411.9	349.3	223.0
95°	25.7	27.5	45.5	79.8	139.0	209.3	281.3	282.2	241.0	205.9	141.6
97.5°	18.9	20.7	34.3	59.2	99.5	143.3	179.3	169.9	144.9	126.1	98.6
100°	15.5	16.3	27.5	45.5	72.0	101.1	117.6	106.4	93.6	84.1	72.0
102.5°	12.8	13.7	23.1	36.9	54.1	72.0	79.8	71.2	63.5	58.3	54.1
105°	11.1	11.9	19.8	30.9	43.7	53.2	56.7	50.7	46.4	42.8	40.3
107.5°	10.3	11.1	17.2	26.6	36.0	42.8	44.6	38.5	34.3	30.9	29.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	9.4	10.3	15.5	23.1	30.9	36.0	35.2	30.1	24.9	21.5	21.5
112.5°	8.5	9.4	13.7	20.7	26.6	30.1	29.1	22.3	18.1	15.5	15.5
115°	7.7	8.5	11.9	18.1	23.1	24.9	23.1	17.2	12.8	10.3	11.9
117.5°	6.8	7.7	10.3	15.5	19.8	20.7	18.1	12.8	9.4	7.7	8.5
120°	6.8	6.8	9.4	12.8	16.3	17.2	14.6	9.4	6.8	6.0	6.8
122.5°	6.0	6.8	8.5	11.1	13.7	13.7	11.1	6.8	5.1	5.1	6.0
125°	6.0	6.0	6.8	9.4	11.1	11.1	8.5	5.1	4.3	5.1	6.0
127.5°	5.1	6.0	6.8	8.5	9.4	9.4	6.8	4.3	4.3	4.3	5.1
130°	5.1	5.1	6.0	6.8	7.7	6.8	5.1	3.5	3.5	4.3	5.1
132.5°	5.1	5.1	5.1	6.0	6.8	5.1	3.5	3.5	3.5	3.5	5.1
135°	4.3	4.3	4.3	5.1	5.1	3.5	2.5	2.5	3.5	3.5	4.3
137.5°	3.5	3.5	3.5	3.5	3.5	2.5	1.6	2.5	2.5	3.5	4.3
140°	2.5	2.5	2.5	2.5	2.5	0.9	1.6	1.6	2.5	2.5	3.5
142.5°	1.6	1.6	1.6	2.5	1.6	0.9	0.9	1.6	2.5	2.5	3.5
145°	0.9	0.9	1.6	1.6	0.9	0.0	0.9	1.6	1.6	2.5	2.5
147.5°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	1.6	1.6	2.5
150°	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.9	0.9	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3
2.5°	261.6	259.2	253.1	247.0	241.0	236.9	233.4	232.5	230.0	227.4	228.2
5°	275.4	269.4	259.2	246.2	234.2	223.9	216.2	209.3	205.1	200.0	200.7
7.5°	300.3	290.8	272.8	251.3	231.7	215.4	200.0	191.2	184.4	181.0	180.2
10°	338.0	325.1	295.2	264.2	234.2	210.3	191.2	180.2	173.4	169.1	169.1
12.5°	391.2	372.3	329.5	284.9	243.6	211.0	188.7	177.5	170.7	168.2	168.2
15°	449.5	424.7	367.1	306.3	253.1	213.6	189.6	177.5	171.5	169.1	168.2
17.5°	514.8	481.3	404.1	324.3	260.8	218.7	190.5	177.5	171.5	169.9	169.1
20°	585.1	543.0	441.8	341.4	266.7	219.6	189.6	176.7	172.5	171.5	171.5
22.5°	664.0	609.1	477.9	356.1	270.2	217.1	187.0	175.9	173.4	174.1	174.1
25°	746.4	677.7	512.2	364.6	266.7	211.0	184.4	175.9	175.0	177.5	177.5
27.5°	833.8	746.4	542.1	370.6	260.0	202.5	180.2	175.9	176.7	180.2	180.2
30°	925.8	816.7	568.0	369.7	251.3	195.7	177.5	175.0	178.5	183.7	183.7
32.5°	1022.6	889.7	589.4	364.6	241.0	190.5	175.0	175.9	181.0	187.0	187.8
35°	1122.2	958.3	606.5	354.3	231.7	186.2	175.0	177.5	183.7	190.5	191.2
37.5°	1232.8	1035.6	621.9	344.9	224.8	184.4	175.9	178.5	185.3	193.0	194.8
40°	1352.0	1119.6	633.1	332.9	219.6	185.3	177.5	180.2	186.2	194.8	196.5
42.5°	1479.1	1205.3	645.2	323.4	215.4	186.2	180.2	181.0	187.0	196.5	198.2
45°	1623.1	1301.5	658.8	314.9	214.4	189.6	181.8	181.0	186.2	198.2	199.1
47.5°	1787.8	1421.6	679.5	308.8	214.4	192.1	183.7	181.0	185.3	198.2	200.0
50°	1968.0	1547.7	704.4	307.1	217.1	195.7	185.3	181.0	184.4	194.8	196.5
52.5°	2159.3	1690.2	737.8	307.9	220.4	198.2	187.0	180.2	181.8	189.6	190.5
55°	2372.2	1842.0	775.5	313.1	225.7	201.6	187.8	178.5	178.5	183.7	183.7
57.5°	2580.7	1999.8	816.7	319.2	232.5	205.1	187.8	176.7	175.9	179.3	179.3
60°	2773.6	2131.9	857.1	326.9	238.5	206.8	187.0	175.0	173.4	175.9	176.7
62.5°	2934.9	2239.1	882.0	335.4	243.6	207.6	185.3	173.4	171.5	174.1	174.1
65°	3005.3	2290.7	887.0	341.4	248.8	206.8	182.7	170.7	169.9	171.5	172.5
67.5°	2993.3	2261.6	862.3	342.3	250.4	205.9	180.2	168.2	168.2	169.9	169.9
69°	2924.6	2198.8	830.5	340.5	250.4	203.3	177.5	166.5	167.4	169.1	169.1
70°	2859.5	2131.9	799.6	336.3	249.6	201.6	175.0	164.7	166.5	168.2	168.2
72.5°	2608.9	1913.2	718.0	322.6	242.8	195.7	169.9	159.5	163.0	166.5	165.6
75°	2246.0	1622.2	621.9	301.1	231.7	187.0	163.0	153.6	158.7	163.0	162.1
77.5°	1807.7	1297.2	521.6	276.3	217.8	175.9	154.4	146.8	152.7	157.8	157.1
80°	1375.2	996.0	423.8	248.8	200.0	163.9	144.9	138.1	145.9	150.1	149.3
82.5°	1005.6	728.3	332.9	221.3	182.7	150.9	133.8	128.6	136.5	140.8	139.0
85°	697.5	508.7	257.4	191.2	163.9	136.5	121.8	118.3	125.3	128.6	127.0
87.5°	460.7	343.2	199.1	165.6	145.9	122.7	110.8	107.3	114.2	115.8	115.0
90°	292.6	230.0	157.8	142.4	128.6	109.0	98.6	96.9	102.0	102.9	100.4
92.5°	187.0	157.8	127.7	122.7	112.4	96.9	88.4	85.8	90.1	90.1	87.6
95°	129.5	117.6	104.7	105.6	97.7	84.9	77.3	76.4	78.1	76.4	75.5
97.5°	93.6	89.2	86.6	90.1	84.9	73.8	67.8	66.0	67.0	64.4	63.5
100°	71.2	70.3	72.0	75.5	72.0	63.5	58.3	57.5	56.7	52.3	52.3
102.5°	54.8	54.8	59.2	64.4	60.9	54.1	50.7	48.9	46.4	42.0	41.2
105°	42.0	42.8	48.9	53.2	51.5	45.5	42.8	40.3	36.9	32.6	32.6
107.5°	31.7	33.4	39.4	43.7	42.0	37.8	35.2	32.6	29.1	24.9	25.7



REPORT NUMBER: P266207

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.1	25.7	31.7	35.2	34.3	31.7	29.1	26.6	22.3	18.9	19.8
112.5°	18.1	19.8	24.9	28.2	28.2	25.7	23.1	20.7	16.3	14.6	14.6
115°	13.7	15.5	19.8	22.3	22.3	19.8	18.1	15.5	11.9	11.1	11.1
117.5°	10.3	11.9	15.5	18.1	17.2	15.5	13.7	11.9	9.4	8.5	8.5
120°	8.5	9.4	11.9	13.7	12.8	11.9	10.3	8.5	6.8	6.8	6.8
122.5°	6.8	7.7	9.4	10.3	9.4	8.5	7.7	6.0	5.1	5.1	5.1
125°	6.0	6.8	7.7	7.7	6.8	6.0	5.1	4.3	3.5	4.3	4.3
127.5°	6.0	6.0	6.8	6.0	5.1	4.3	3.5	2.5	2.5	3.5	3.5
130°	5.1	6.0	6.0	5.1	4.3	2.5	2.5	1.6	1.6	2.5	2.5
132.5°	5.1	5.1	5.1	4.3	3.5	1.6	0.9	0.9	1.6	1.6	1.6
135°	4.3	5.1	4.3	3.5	2.5	1.6	0.0	0.9	0.9	0.9	0.9
137.5°	4.3	4.3	4.3	3.5	1.6	0.9	0.0	0.0	0.9	0.0	0.0
140°	3.5	3.5	3.5	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.5	3.5	3.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)