

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: P254848

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-29)
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-T3-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7857.9 lumens
Efficiency: N/A
Efficacy: 83.6 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

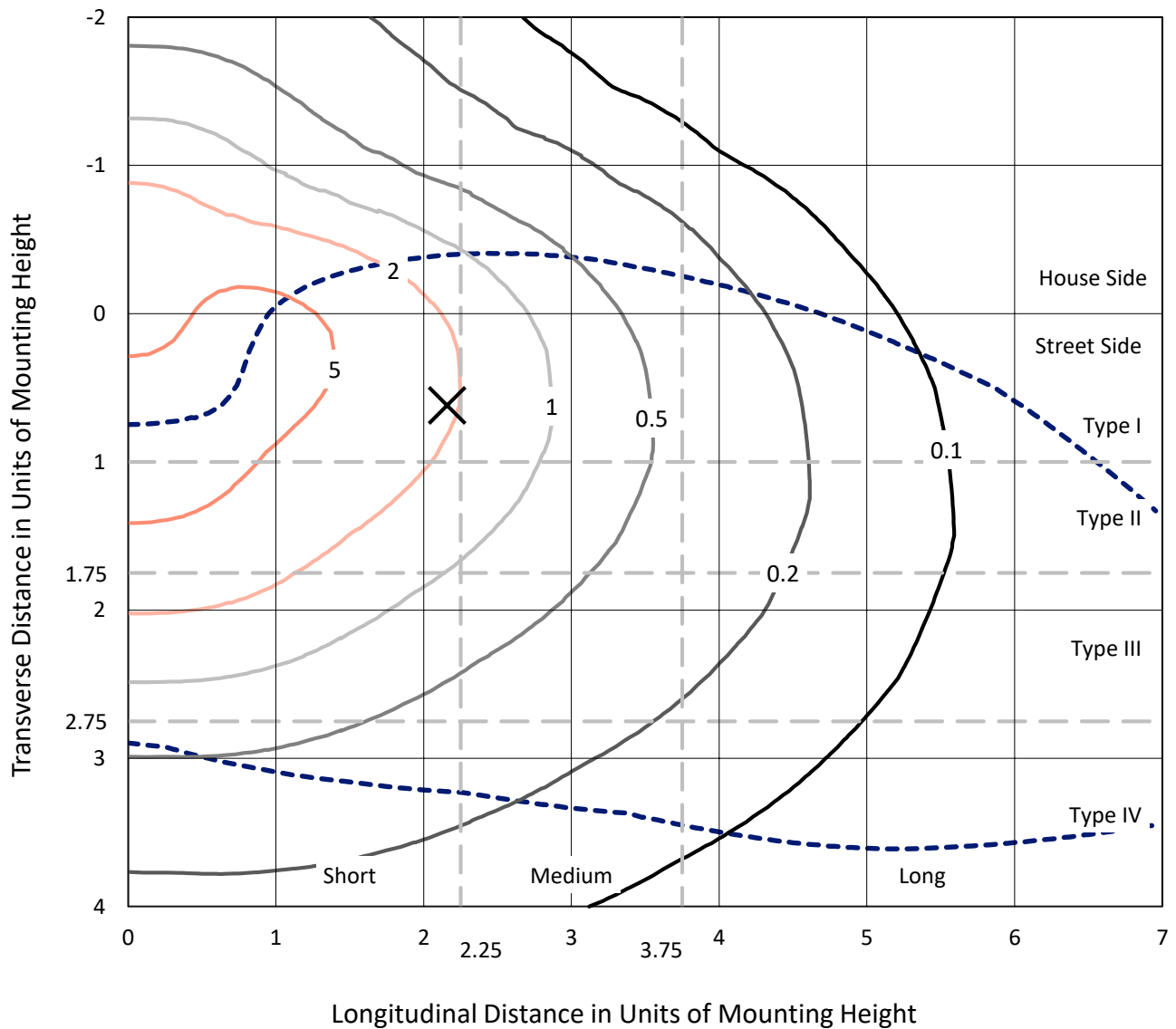


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

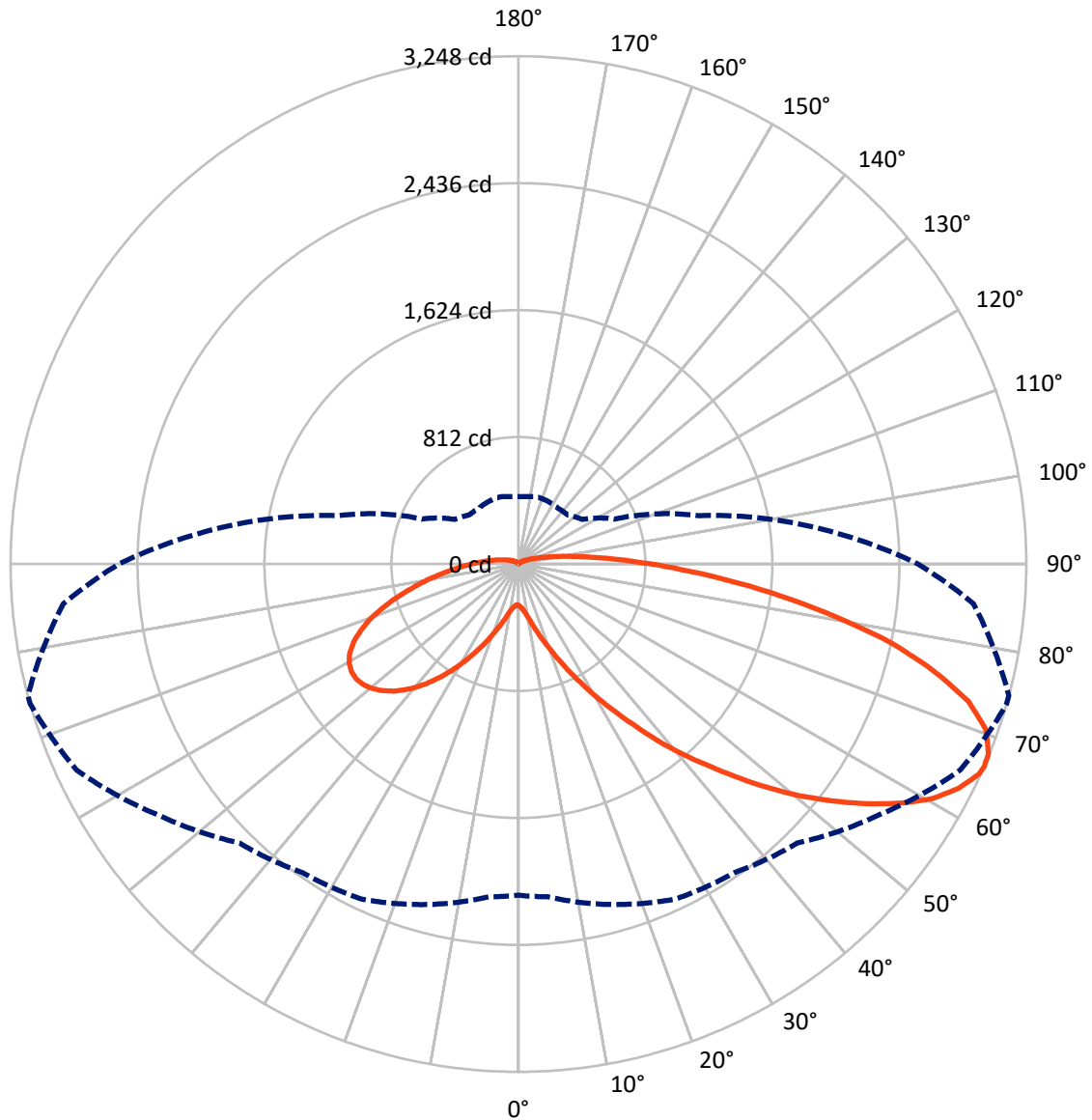


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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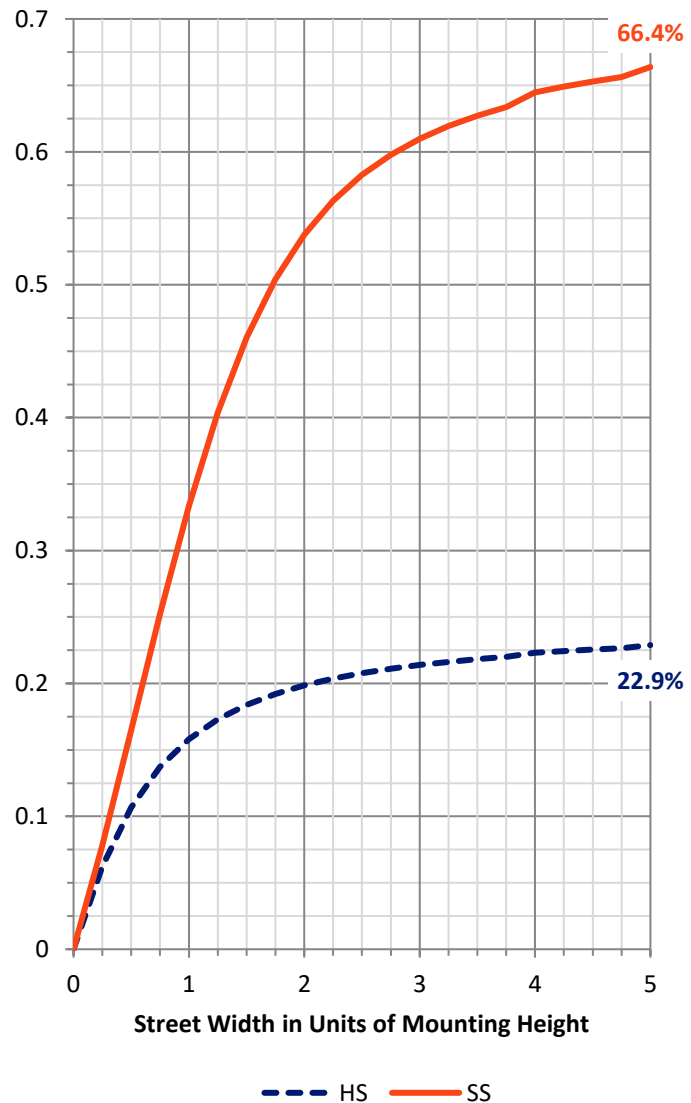
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1890.0	195.4	2085.4
	% Fixture	24.1	2.5	26.5
Street Side	Lumens	5437.5	335.0	5772.5
	% Fixture	69.2	4.3	73.5
Total	Lumens	7327.5	530.4	7857.9
	% Fixture	93.2	6.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	0.4
10°-20°	119.0	1.5
20°-30°	305.2	3.9
30°-40°	618.1	7.9
40°-50°	1046.5	13.3
50°-60°	1483.9	18.9
60°-70°	1675.4	21.3
70°-80°	1339.7	17.0
80°-90°	711.7	9.1
90°-100°	300.1	3.8
100°-110°	127.6	1.6
110°-120°	58.9	0.7
120°-130°	28.1	0.4
130°-140°	12.2	0.2
140°-150°	3.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7327.5	93.2
0°-180°	7857.9	100.0

Coefficient of Utilization



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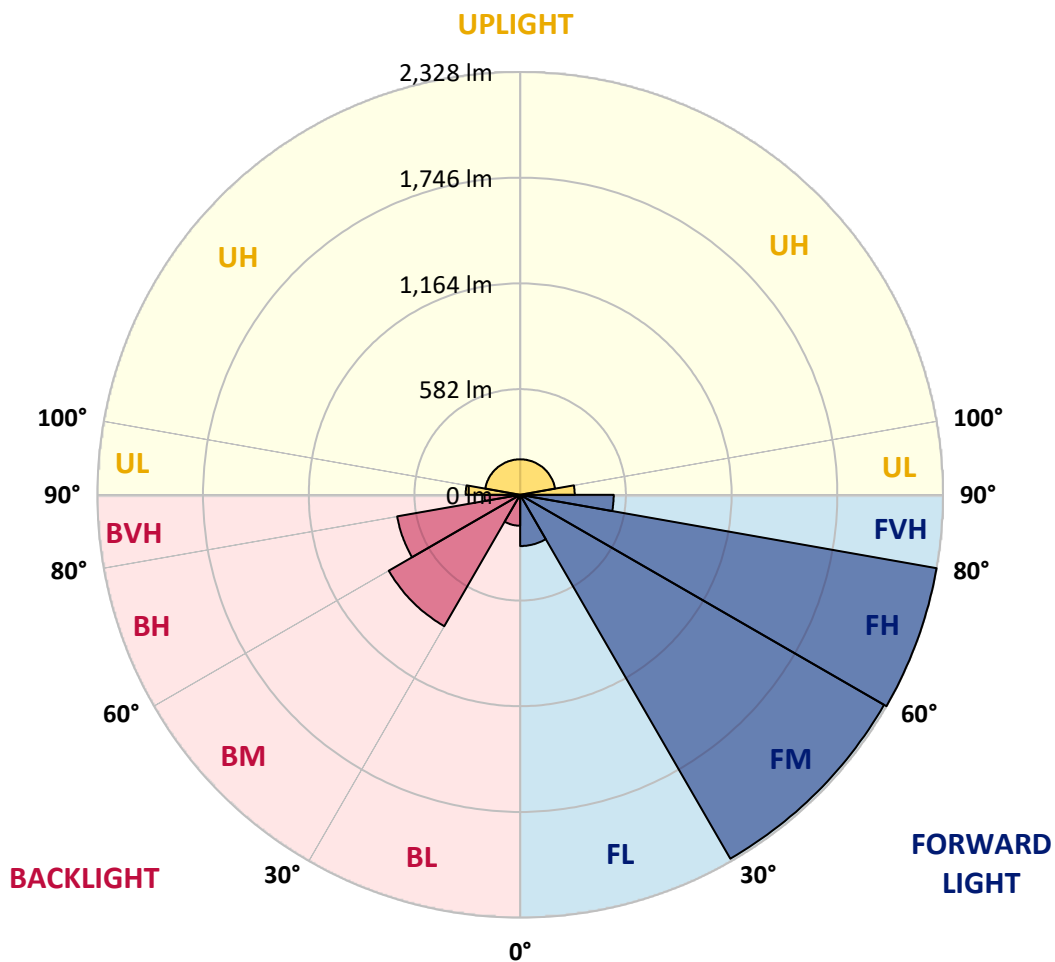
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.9	3.6			
FM	(30°-60°)	2312.9	29.4			
FH	(60°-80°)	2327.7	29.6			G2/5000
FVH	(80°-90°)	514.9	6.6			G4/750
BL	(0°-30°)	170.3	2.2	B1/500		
BM	(30°-60°)	835.5	10.6	B1/1000		
BH	(60°-80°)	687.4	8.7	B2/1000		G2/1000
BVH	(80°-90°)	196.8	2.5			G2/225
UL	(90°-100°)	300.1	3.8		U3/500	
UH	(100°-180°)	195.4	2.5		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°	74°	75°	85°
0°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	289.4	291.2	289.4	288.5	286.6	285.6	281.8	277.0	274.1	273.1	269.4
5°	319.0	321.9	320.0	317.1	314.2	310.4	304.8	297.0	291.2	290.4	282.8
7.5°	355.3	359.1	356.3	352.5	347.7	342.0	333.3	323.7	315.2	313.2	303.7
10°	406.9	405.9	402.1	396.4	389.7	383.9	373.4	359.1	348.6	346.7	333.3
12.5°	465.1	465.1	459.4	450.8	441.3	432.6	422.2	405.9	394.4	391.5	375.5
15°	531.0	533.9	525.3	515.8	502.4	490.0	480.4	463.3	449.8	447.0	426.9
17.5°	608.5	609.3	599.9	587.4	572.1	560.6	546.3	528.2	512.9	510.0	485.2
20°	697.3	696.3	684.8	667.7	650.4	639.9	621.8	601.7	584.5	582.7	553.1
22.5°	798.4	790.8	782.3	760.3	745.9	725.9	706.8	683.9	667.7	664.8	633.2
25°	912.1	901.6	893.0	864.4	843.4	819.6	799.4	779.3	766.0	760.3	723.1
27.5°	1040.1	1033.5	1016.2	980.9	948.5	918.9	903.6	884.5	870.1	867.3	829.1
30°	1183.4	1167.2	1149.0	1106.0	1062.1	1022.0	1006.8	999.0	988.6	984.8	941.7
32.5°	1325.8	1324.8	1298.0	1243.6	1186.2	1141.4	1127.0	1123.1	1113.7	1114.7	1063.1
35°	1493.8	1492.9	1459.4	1392.6	1321.0	1265.5	1256.1	1260.8	1257.9	1256.9	1198.7
37.5°	1672.4	1668.6	1631.4	1550.2	1461.4	1398.3	1391.6	1407.8	1420.3	1411.6	1343.9
40°	1856.8	1859.6	1809.0	1713.5	1609.4	1537.8	1533.9	1571.1	1584.6	1575.9	1495.8
42.5°	2035.4	2033.5	1985.7	1887.4	1759.3	1682.9	1685.8	1734.5	1750.8	1746.9	1658.1
45°	2208.2	2206.4	2163.4	2048.7	1913.1	1830.0	1844.4	1903.7	1935.1	1935.1	1829.1
47.5°	2360.1	2358.3	2321.0	2204.5	2061.1	1977.1	2000.0	2080.3	2132.8	2126.0	2001.0
50°	2484.3	2481.4	2455.6	2348.6	2201.6	2121.4	2160.5	2264.6	2328.7	2314.3	2176.8
52.5°	2563.5	2567.4	2554.9	2465.2	2327.7	2255.1	2315.2	2446.1	2516.8	2511.0	2355.3
55°	2601.8	2603.6	2619.0	2549.2	2429.0	2373.4	2462.2	2620.9	2707.8	2700.2	2527.2
57.5°	2583.7	2589.3	2630.4	2594.2	2498.6	2470.9	2594.2	2782.3	2886.4	2887.4	2679.1
60°	2507.2	2522.5	2585.5	2594.2	2532.9	2533.9	2703.0	2925.5	3044.9	3038.3	2805.2
62.5°	2379.2	2398.3	2490.0	2536.8	2515.8	2562.5	2774.6	3037.3	3159.6	3164.3	2895.9
65°	2202.5	2220.7	2331.5	2425.1	2449.9	2546.4	2806.3	3108.0	3237.9	3237.0	2927.5
66°	2118.4	2136.7	2255.1	2365.9	2409.8	2523.5	2804.2	3118.5	3248.4	3247.4	2922.6
67.5°	1980.0	2000.0	2123.2	2258.0	2330.5	2472.9	2782.3	3112.8	3242.7	3240.7	2891.2
70°	1724.0	1746.9	1884.5	2033.5	2154.8	2342.0	2694.5	3047.8	3172.1	3162.4	2774.6
72.5°	1456.5	1480.5	1618.0	1776.5	1947.5	2169.2	2536.8	2897.9	3009.6	2997.2	2579.8
75°	1194.9	1217.8	1353.4	1514.9	1700.1	1941.7	2315.2	2661.0	2749.8	2748.9	2317.2
77.5°	956.1	976.1	1097.4	1257.9	1445.1	1689.5	2043.0	2374.4	2447.1	2428.0	2004.8
80°	749.7	768.8	873.0	1017.2	1199.6	1427.9	1745.0	2027.8	2066.8	2055.3	1675.3
82.5°	581.7	598.8	689.7	814.7	979.0	1179.6	1431.8	1678.1	1696.4	1683.9	1356.2
85°	449.8	465.1	542.5	650.4	790.0	956.1	1157.6	1332.4	1349.6	1341.0	1071.7
87.5°	348.6	359.1	424.0	514.8	632.3	767.0	917.9	1052.6	1045.8	1037.3	829.1
90°	269.4	279.8	333.3	408.8	505.3	610.3	721.1	811.9	799.4	790.0	636.1
92.5°	209.1	216.8	263.7	326.6	405.1	485.2	563.6	621.8	605.6	598.8	485.2
95°	165.2	171.0	208.2	266.5	326.6	387.8	441.3	482.4	458.5	452.8	369.7
97.5°	132.8	136.6	168.2	214.9	265.5	312.4	348.6	365.8	347.7	342.8	281.8
100°	108.9	110.8	137.5	174.9	215.9	254.0	277.0	284.6	265.5	261.6	214.9
102.5°	89.8	91.7	113.6	147.1	179.5	206.3	220.6	225.4	201.6	198.7	166.2
105°	75.5	76.4	94.5	124.1	150.9	170.0	179.5	174.9	155.7	152.9	129.9
107.5°	64.9	65.9	79.3	106.0	128.0	142.4	148.0	141.4	121.3	118.4	102.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	56.4	56.4	67.8	89.8	108.9	121.3	123.3	112.7	95.5	93.6	82.2
112.5°	49.7	49.7	59.2	77.3	93.6	103.1	103.1	91.7	75.5	74.6	66.8
115°	44.9	44.9	51.6	66.8	81.2	88.8	87.0	74.6	61.0	60.2	55.4
117.5°	40.1	40.1	44.9	57.4	69.7	76.4	73.5	61.0	49.7	48.7	46.8
120°	36.3	36.3	40.1	48.7	60.2	64.9	62.1	50.6	41.1	40.1	39.2
122.5°	33.5	33.5	35.3	42.9	51.6	55.4	52.6	42.1	34.4	34.4	33.5
125°	30.6	30.6	32.4	37.2	43.9	47.7	43.9	34.4	28.6	28.6	29.6
127.5°	28.6	28.6	29.6	32.4	38.2	40.1	36.3	28.6	24.8	24.8	25.7
130°	25.7	25.7	26.8	28.6	31.4	33.5	29.6	23.9	22.0	21.0	22.0
132.5°	23.9	23.9	23.9	24.8	25.7	26.8	23.9	19.1	18.1	18.1	19.1
135°	21.0	22.0	21.0	21.0	21.0	21.0	18.1	15.3	15.3	15.3	16.3
137.5°	19.1	19.1	18.1	17.2	17.2	16.3	14.3	12.4	12.4	12.4	13.3
140°	16.3	16.3	16.3	14.3	12.4	11.5	9.5	9.5	10.5	10.5	11.5
142.5°	13.3	13.3	12.4	11.5	8.6	7.6	6.7	6.7	7.6	7.6	8.6
145°	10.5	10.5	9.5	7.6	5.7	3.9	3.9	3.9	4.8	4.8	5.7
147.5°	7.6	7.6	6.7	4.8	2.8	1.8	1.8	2.8	3.9	3.9	4.8
150°	4.8	4.8	3.9	2.8	1.0	0.0	1.0	1.8	2.8	2.8	3.9
152.5°	1.8	1.8	1.8	1.0	0.0	0.0	0.0	1.0	1.8	1.8	2.8
155°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5	265.5
2.5°	267.4	265.5	261.6	258.8	255.0	253.2	252.2	250.2	249.3	248.3	248.3
5°	278.9	275.2	268.3	261.6	256.0	250.2	247.4	244.5	241.7	239.8	239.8
7.5°	297.9	292.3	281.8	271.3	261.6	254.0	248.3	244.5	240.7	238.7	237.8
10°	324.7	317.1	302.7	288.5	275.2	263.7	256.0	251.2	247.4	244.5	243.5
12.5°	366.8	355.3	334.4	313.2	292.3	279.8	269.4	266.5	264.5	262.7	264.5
15°	415.5	401.2	375.5	347.7	321.9	301.8	293.3	291.2	289.4	288.5	288.5
17.5°	470.0	454.6	420.2	383.9	352.5	332.3	320.0	316.2	313.2	312.4	311.4
20°	535.8	515.8	471.8	425.0	387.8	365.8	348.6	342.0	339.0	339.0	339.0
22.5°	612.3	585.5	531.0	470.0	426.9	396.4	378.2	367.7	365.8	366.8	365.8
25°	698.1	665.7	596.0	520.5	464.3	426.0	403.0	393.6	390.6	392.6	392.6
27.5°	795.6	758.4	665.7	574.0	499.6	451.8	426.0	417.4	414.5	417.4	417.4
30°	897.8	855.8	738.3	624.6	530.1	472.8	444.1	437.5	434.7	437.5	438.4
32.5°	1020.1	957.0	814.7	673.4	558.8	490.0	459.4	453.7	450.8	454.6	454.6
35°	1146.1	1068.8	891.1	718.3	581.7	502.4	470.0	465.1	463.3	467.1	467.1
37.5°	1274.2	1190.1	969.4	758.4	598.8	511.0	477.6	473.7	472.8	472.8	473.7
40°	1414.6	1309.5	1044.0	790.8	611.3	515.8	482.4	477.6	476.6	475.6	475.6
42.5°	1559.6	1425.1	1110.8	815.7	617.0	516.7	482.4	479.4	478.5	474.7	473.7
45°	1708.7	1548.3	1173.9	832.9	619.0	514.8	481.4	478.5	477.6	470.9	470.0
47.5°	1860.5	1666.7	1225.5	840.5	614.1	511.0	478.5	475.6	473.7	463.3	463.3
50°	2010.6	1783.2	1269.4	841.6	606.5	504.3	474.7	473.7	470.0	457.5	455.6
52.5°	2157.7	1893.0	1301.9	834.7	594.1	497.6	470.9	470.9	466.1	452.8	450.8
55°	2296.1	1991.5	1321.0	819.6	579.7	489.1	466.1	467.1	462.2	448.0	446.0
57.5°	2416.5	2072.6	1323.7	796.6	563.6	480.4	461.3	463.3	460.4	444.1	442.2
60°	2513.0	2124.2	1310.4	768.8	544.4	470.0	455.6	459.4	456.6	441.3	440.4
62.5°	2565.5	2144.2	1277.0	734.4	525.3	460.4	448.0	454.6	452.8	437.5	436.5
65°	2569.3	2119.4	1221.6	695.3	505.3	448.9	441.3	447.0	447.0	433.6	432.6
66°	2554.9	2094.6	1193.8	680.0	496.7	444.1	437.5	444.1	445.1	432.6	430.8
67.5°	2510.1	2043.0	1146.1	653.3	483.3	436.5	430.8	438.4	439.3	428.9	426.0
70°	2384.9	1917.0	1059.3	609.3	461.3	421.2	418.4	426.0	427.9	419.3	416.4
72.5°	2193.0	1751.8	957.0	561.6	436.5	404.0	403.0	410.7	412.6	405.1	402.1
75°	1950.4	1534.9	844.3	514.8	409.7	384.9	383.9	389.7	392.6	386.8	382.1
77.5°	1673.5	1312.3	733.5	467.1	383.0	363.0	363.0	367.7	368.6	363.0	358.2
80°	1389.7	1092.7	633.2	419.3	355.3	338.1	338.1	340.1	341.0	335.2	329.5
82.5°	1123.1	891.1	536.8	373.4	323.7	310.4	309.4	309.4	308.5	303.7	297.0
85°	888.3	715.4	448.9	330.5	293.3	282.8	279.8	277.0	275.2	269.4	263.7
87.5°	694.4	569.2	378.2	290.4	262.7	254.0	250.2	246.4	241.7	234.9	227.4
90°	539.6	450.8	315.2	253.2	232.0	224.4	218.7	212.9	207.3	199.6	195.8
92.5°	418.4	356.3	263.7	217.8	203.4	197.8	192.0	184.3	176.7	169.1	165.2
95°	325.7	283.6	218.7	188.2	177.6	172.8	167.1	158.5	149.0	141.4	138.5
97.5°	254.0	225.4	182.5	162.4	155.7	149.9	144.2	135.6	125.1	116.6	114.6
100°	197.8	179.5	152.9	140.4	134.7	130.9	125.1	116.6	104.2	95.5	94.5
102.5°	156.7	144.2	128.0	121.3	117.5	113.6	107.9	99.3	87.0	77.3	77.3
105°	124.1	116.6	107.9	104.2	101.3	98.4	92.7	84.0	70.7	63.1	63.1
107.5°	100.3	94.5	90.6	88.8	87.9	85.0	80.2	70.7	58.2	51.6	51.6



REPORT NUMBER: P254848

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	81.2	78.3	76.4	76.4	75.5	74.6	68.8	59.2	47.7	42.1	42.9
112.5°	66.8	64.9	64.9	65.9	65.9	64.0	58.2	49.7	39.2	35.3	35.3
115°	55.4	54.4	55.4	56.4	57.4	55.4	49.7	41.1	31.4	29.6	29.6
117.5°	46.8	46.8	47.7	48.7	48.7	46.8	42.1	34.4	25.7	24.8	24.8
120°	40.1	40.1	40.1	41.1	42.1	40.1	35.3	27.8	21.0	21.0	21.0
122.5°	34.4	34.4	34.4	35.3	35.3	34.4	29.6	23.0	18.1	18.1	18.1
125°	29.6	29.6	29.6	30.6	30.6	28.6	23.9	19.1	15.3	15.3	15.3
127.5°	25.7	25.7	25.7	25.7	25.7	23.9	20.1	15.3	12.4	13.3	13.3
130°	23.0	23.0	22.0	22.0	21.0	20.1	16.3	12.4	10.5	11.5	11.5
132.5°	19.1	20.1	19.1	18.1	17.2	15.3	12.4	9.5	8.6	9.5	9.5
135°	16.3	17.2	16.3	14.3	13.3	12.4	9.5	7.6	7.6	7.6	7.6
137.5°	14.3	14.3	13.3	11.5	10.5	8.6	6.7	5.7	5.7	6.7	6.7
140°	11.5	11.5	10.5	8.6	7.6	5.7	3.9	3.9	4.8	4.8	4.8
142.5°	8.6	8.6	7.6	5.7	3.9	2.8	1.8	1.8	2.8	3.9	3.9
145°	5.7	5.7	5.7	3.9	2.8	1.0	0.0	1.0	1.8	1.8	1.8
147.5°	4.8	4.8	3.9	2.8	1.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	3.9	3.9	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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)