

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: P266219

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7187.3 lumens
Efficiency: N/A
Efficacy: 76.5 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 - 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

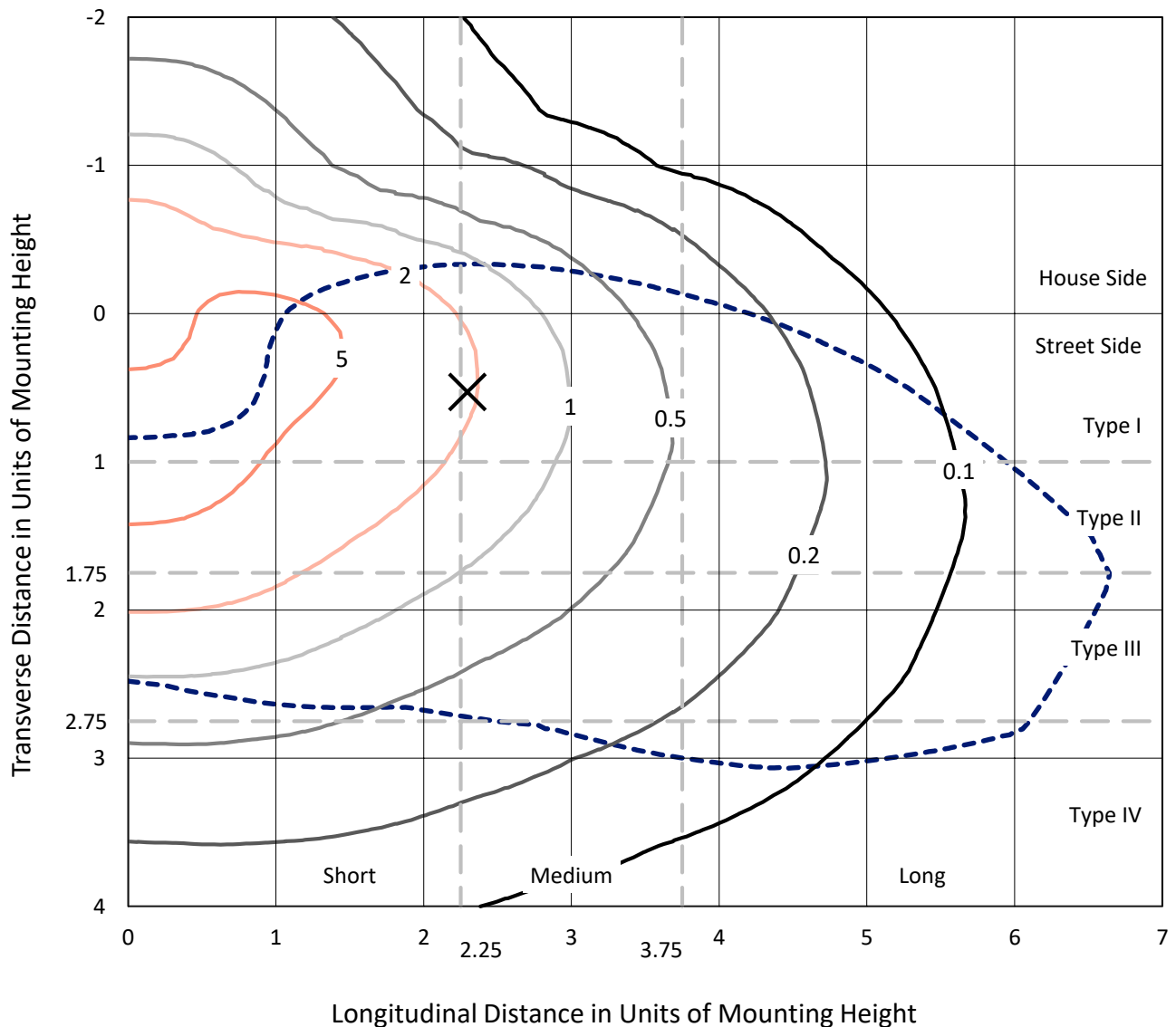


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

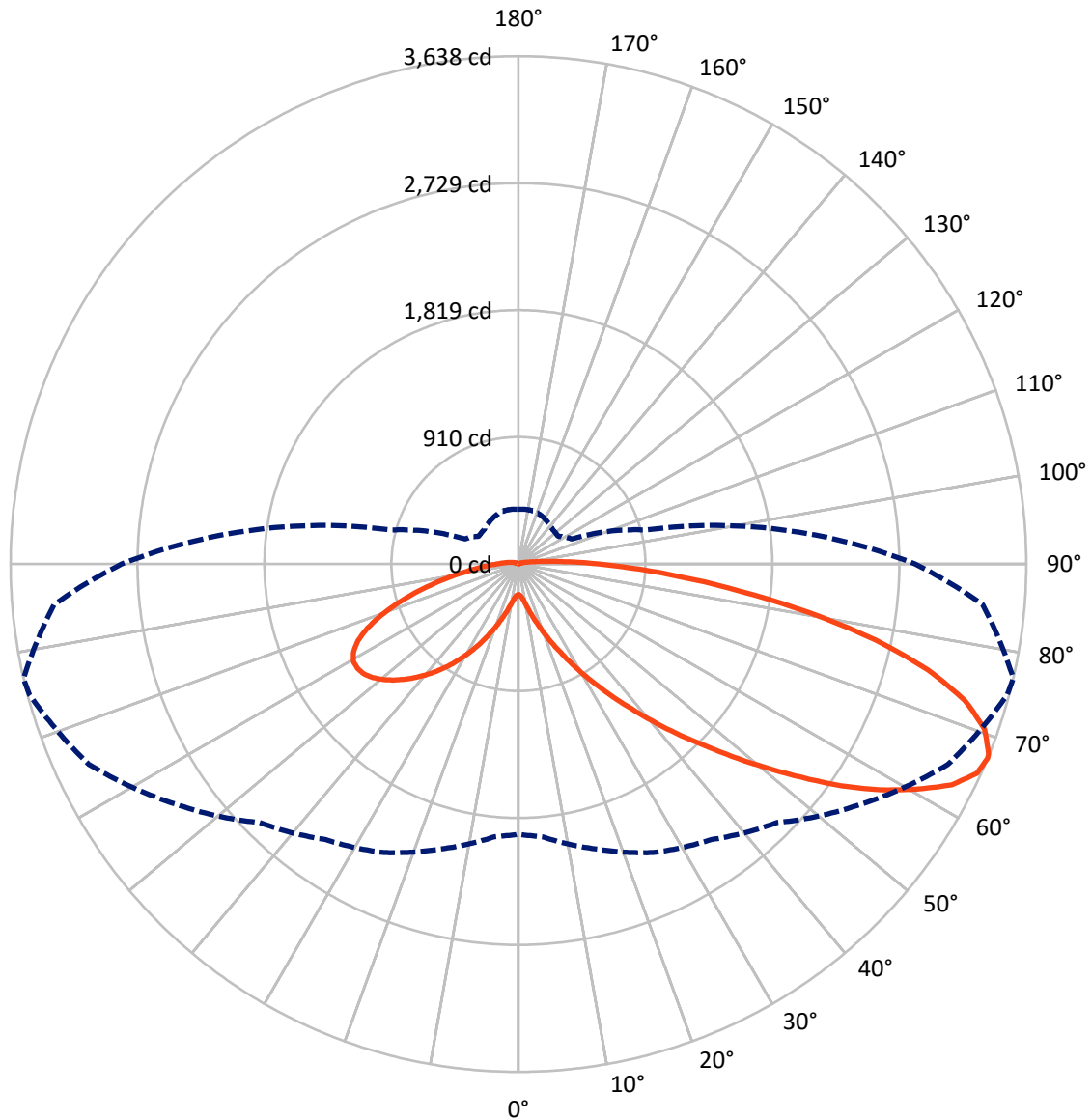


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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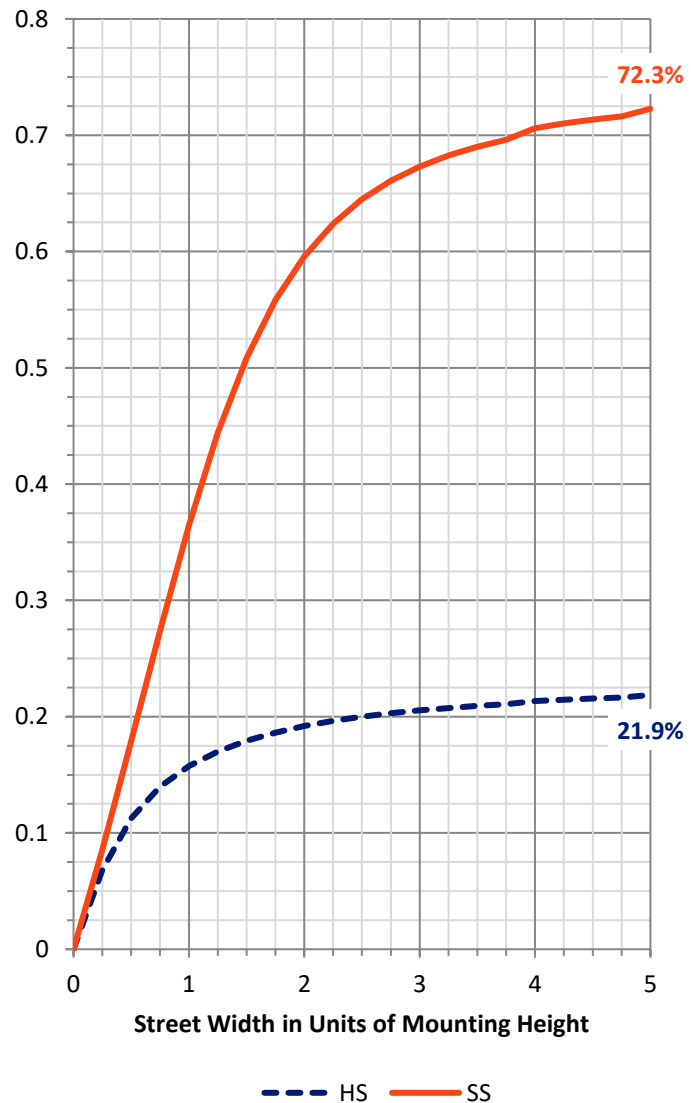
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1641.2	99.1	1740.3
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	5328.9	118.1	5447.1
	% Fixture	74.1	1.6	75.8
Total	Lumens	6970.1	217.2	7187.3
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.3
10°-20°	106.3	1.5
20°-30°	279.5	3.9
30°-40°	571.4	8.0
40°-50°	990.5	13.8
50°-60°	1469.1	20.4
60°-70°	1704.9	23.7
70°-80°	1287.8	17.9
80°-90°	536.7	7.5
90°-100°	142.3	2.0
100°-110°	46.2	0.6
110°-120°	18.3	0.3
120°-130°	6.9	0.1
130°-140°	2.6	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°	6970.1	97.0
0°-180°	7187.3	100.0



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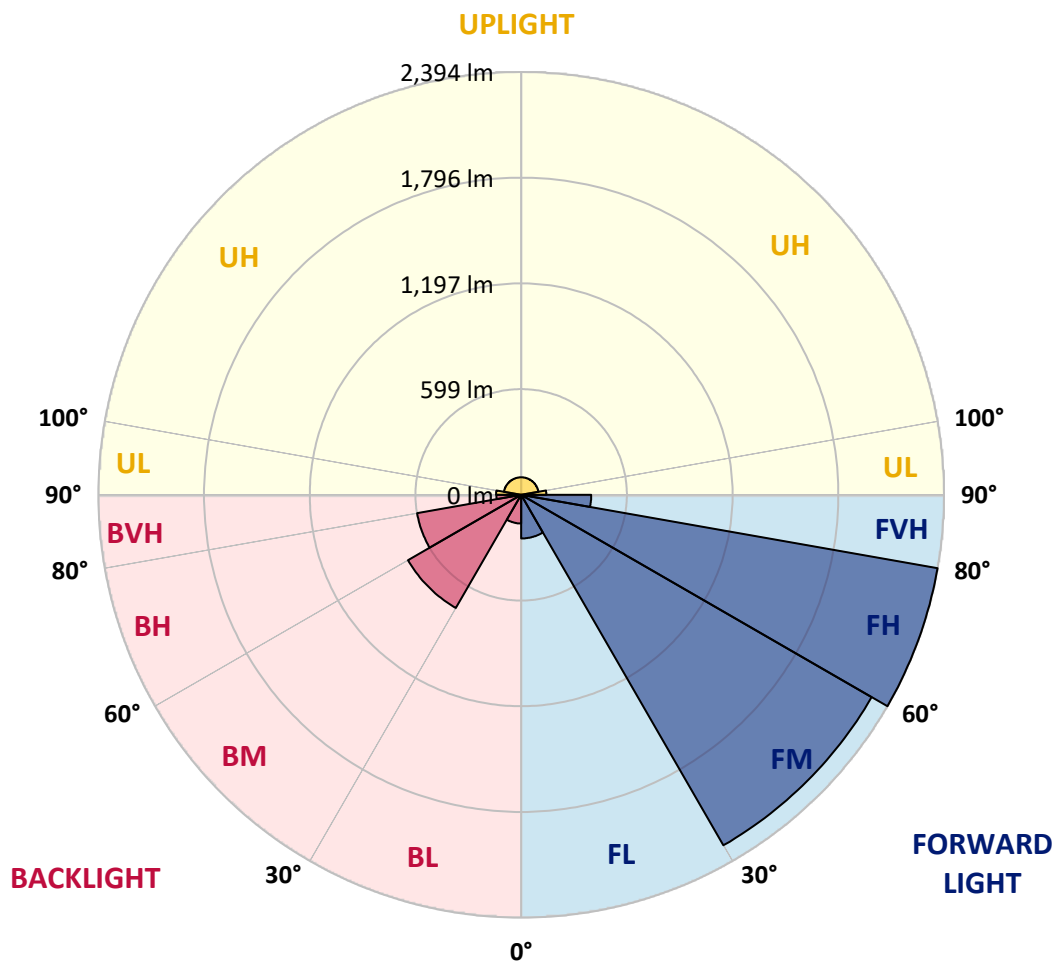
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.1	3.4			
FM (30°-60°)	2291.2	31.9			
FH (60°-80°)	2394.3	33.3			G2/5000
FVH (80°-90°)	396.4	5.5			G3/500
BL (0°-30°)	162.5	2.3	B1/500		
BM (30°-60°)	739.9	10.3	B1/1000		
BH (60°-80°)	598.4	8.3	B2/1000		G2/1000
BVH (80°-90°)	140.3	2.0			G2/225
UL (90°-100°)	142.3	2.0		U3/500	
UH (100°-180°)	99.1	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	230.9	230.9	232.5	231.7	231.7	230.0	229.1	226.6	224.8	224.8	223.9
5°	247.9	247.9	248.8	249.6	247.9	247.2	244.5	241.1	238.5	238.5	236.9
7.5°	273.8	273.8	272.8	273.8	272.8	271.1	267.8	266.0	260.9	261.6	259.2
10°	310.6	310.6	308.8	310.6	306.3	304.5	302.0	299.4	293.4	295.2	291.0
12.5°	362.9	362.9	361.2	358.7	352.7	349.3	347.6	345.8	340.6	341.4	336.3
15°	425.5	424.7	423.0	419.6	410.2	405.9	401.5	398.9	394.6	396.4	391.2
17.5°	499.4	497.7	491.6	486.5	477.1	470.3	464.2	461.5	456.5	457.3	450.5
20°	584.3	582.6	574.8	567.2	553.4	544.0	537.9	531.9	526.9	531.9	519.1
22.5°	684.7	686.5	670.1	658.1	637.4	625.5	617.8	612.6	607.4	611.7	597.2
25°	799.8	798.9	780.7	765.4	736.3	715.6	704.5	700.9	698.4	701.8	691.5
27.5°	931.8	928.4	908.6	876.0	843.4	811.7	797.1	799.8	798.9	801.4	791.0
30°	1078.5	1076.8	1049.4	1003.0	960.1	917.2	903.4	902.6	910.3	915.6	894.9
32.5°	1240.6	1242.4	1205.5	1145.5	1082.0	1034.8	1021.9	1023.6	1033.9	1033.1	1017.6
35°	1420.0	1420.0	1381.5	1305.9	1221.9	1160.9	1146.2	1162.6	1168.7	1170.3	1147.1
37.5°	1611.4	1608.8	1572.8	1474.9	1378.9	1299.0	1273.3	1293.9	1317.0	1314.5	1290.4
40°	1816.5	1809.5	1762.4	1653.4	1536.7	1440.6	1411.4	1443.1	1476.6	1478.4	1449.1
42.5°	2012.1	2006.1	1957.1	1840.4	1700.6	1601.9	1569.2	1604.6	1652.5	1656.8	1604.6
45°	2195.6	2194.7	2150.3	2030.1	1877.4	1763.3	1730.7	1776.9	1844.0	1844.0	1789.0
47.5°	2369.0	2358.7	2329.6	2209.4	2065.3	1930.5	1898.7	1963.2	2055.9	2058.3	1994.1
50°	2502.0	2495.1	2480.5	2371.5	2224.8	2103.0	2073.8	2169.9	2278.0	2287.4	2208.6
52.5°	2593.8	2586.8	2598.1	2513.2	2381.0	2272.9	2262.7	2381.9	2522.6	2538.0	2443.6
55°	2629.8	2632.5	2668.4	2612.7	2508.0	2422.2	2459.1	2606.6	2773.1	2803.2	2679.6
57.5°	2611.8	2619.5	2683.0	2671.0	2598.1	2542.4	2639.3	2824.6	3024.6	3052.8	2911.2
60°	2517.4	2533.7	2627.3	2659.1	2631.6	2649.6	2798.8	3045.2	3263.1	3275.8	3133.5
62.5°	2363.8	2381.9	2504.6	2586.8	2604.9	2688.2	2915.5	3230.5	3461.3	3483.5	3275.8
65°	2146.0	2171.7	2308.0	2451.4	2523.3	2676.2	2992.0	3350.6	3587.4	3610.6	3348.1
67°	1934.8	1960.6	2111.6	2280.5	2409.3	2619.5	2998.0	3395.1	3624.3	3638.0	3338.6
67.5°	1877.4	1904.0	2055.0	2231.7	2373.3	2597.2	2992.8	3399.5	3624.3	3632.8	3325.6
70°	1563.3	1598.4	1752.1	1955.4	2142.5	2442.9	2917.2	3345.4	3560.0	3543.6	3168.6
72.5°	1236.3	1269.0	1419.1	1634.6	1849.0	2209.4	2747.3	3185.7	3364.3	3344.6	2910.4
75°	924.0	951.6	1095.8	1305.1	1532.4	1903.1	2481.4	2926.7	3052.8	3032.1	2553.4
77.5°	661.5	683.8	808.2	1000.4	1210.6	1569.2	2123.7	2559.5	2638.4	2614.3	2120.2
80°	454.7	481.3	570.6	742.2	922.4	1227.9	1712.6	2085.0	2139.9	2115.0	1656.8
82.5°	300.4	314.9	393.8	532.9	683.0	931.0	1309.3	1617.4	1664.6	1604.6	1228.7
85°	195.7	199.1	259.2	366.4	492.5	676.2	960.1	1188.4	1209.7	1165.2	874.3
87.5°	120.2	125.3	167.4	240.2	339.7	476.2	678.7	830.6	833.9	798.0	590.4
90°	77.3	80.7	107.3	156.1	230.9	324.4	457.3	551.6	549.1	520.7	376.7
92.5°	53.2	54.8	74.6	107.3	150.1	213.6	293.4	348.4	343.2	327.0	237.7
95°	38.5	40.3	54.8	78.2	104.7	140.8	182.7	211.1	205.1	194.8	149.3
97.5°	28.2	30.1	42.0	59.2	78.2	96.9	117.6	126.1	124.4	119.3	99.5
100°	21.5	23.1	32.6	46.4	60.9	72.0	82.4	83.3	80.7	79.0	72.0
102.5°	18.1	18.9	26.6	38.5	49.8	57.5	61.8	60.9	57.5	56.7	53.2
105°	15.5	16.3	23.1	32.6	41.2	48.1	49.8	47.3	42.8	42.0	40.3
107.5°	13.7	13.7	19.8	28.2	36.0	40.3	41.2	36.9	31.7	30.9	30.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	11.9	11.9	17.2	24.1	30.9	34.3	34.3	29.1	22.3	21.5	22.3
112.5°	10.3	11.1	14.6	20.7	26.6	29.1	28.2	23.1	16.3	15.5	16.3
115°	9.4	9.4	12.8	18.1	22.3	25.0	23.1	17.2	11.9	11.1	11.9
117.5°	8.5	8.5	11.1	15.5	18.9	20.7	18.9	13.7	8.5	8.5	9.4
120°	7.7	7.7	9.4	12.8	16.3	17.2	14.6	10.3	6.8	6.8	7.7
122.5°	6.8	6.8	8.5	11.1	13.7	13.7	11.9	7.7	5.1	5.1	6.0
125°	6.0	6.8	7.7	9.4	11.1	11.1	9.4	6.0	4.3	5.1	6.0
127.5°	6.0	6.0	6.8	7.7	9.4	9.4	7.7	4.3	4.3	4.3	5.1
130°	5.1	5.1	6.0	6.8	7.7	7.7	6.0	3.5	4.3	4.3	5.1
132.5°	5.1	5.1	5.1	6.0	6.0	6.0	4.3	3.5	3.5	4.3	4.3
135°	4.3	4.3	4.3	5.1	5.1	4.3	2.5	2.5	3.5	3.5	4.3
137.5°	3.5	3.5	4.3	3.5	3.5	3.5	2.5	2.5	3.5	3.5	3.5
140°	3.5	3.5	3.5	2.5	2.5	1.6	1.6	2.5	2.5	3.5	3.5
142.5°	1.6	2.5	2.5	1.6	1.6	0.9	1.6	1.6	2.5	2.5	2.5
145°	0.9	0.9	1.6	0.9	0.9	0.9	0.9	1.6	1.6	2.5	2.5
147.5°	0.0	0.9	0.9	0.9	0.0	0.0	0.9	0.9	1.6	1.6	1.6
150°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	1.6	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	0.9
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°	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6	219.6
2.5°	223.0	222.2	219.6	217.8	217.1	216.2	215.4	214.5	214.5	214.5	214.5
5°	235.0	234.3	230.0	226.6	223.9	221.3	219.6	217.8	217.1	216.2	215.4
7.5°	256.6	254.0	248.8	242.8	236.9	231.7	228.2	226.6	223.9	223.0	222.2
10°	288.3	285.8	276.3	266.0	256.6	248.8	242.8	239.4	237.7	236.0	236.0
12.5°	332.1	330.3	314.0	301.1	283.1	271.1	264.3	261.6	260.9	259.2	260.0
15°	384.4	380.9	359.5	339.7	315.8	301.1	291.0	286.6	284.9	282.2	283.1
17.5°	444.4	433.3	408.4	378.4	349.3	331.1	317.6	309.7	307.2	305.5	306.3
20°	510.5	499.4	461.5	418.7	383.5	360.4	341.4	332.1	328.6	328.6	328.6
22.5°	587.0	572.3	519.9	462.4	416.2	383.5	362.0	352.7	349.3	349.3	350.1
25°	674.4	650.4	583.4	508.8	447.0	403.2	380.9	370.7	368.0	368.0	368.9
27.5°	769.7	737.0	648.7	550.8	469.4	417.1	393.0	384.4	382.7	382.7	383.5
30°	873.4	830.6	715.6	588.6	486.5	425.5	399.8	393.0	392.1	393.0	393.0
32.5°	983.3	934.3	781.6	620.4	497.7	429.8	404.1	399.8	398.9	400.7	398.9
35°	1102.6	1037.4	847.7	646.2	504.5	430.7	405.9	403.2	403.2	402.4	401.5
37.5°	1231.2	1144.6	908.6	664.9	504.5	429.0	405.0	404.1	404.1	402.4	400.7
40°	1378.9	1261.3	965.3	676.2	499.4	423.9	403.2	403.2	402.4	398.9	397.3
42.5°	1522.1	1382.2	1019.3	677.9	490.7	417.1	400.7	402.4	400.7	393.8	392.1
45°	1681.6	1513.6	1067.4	675.3	478.7	410.2	398.0	401.5	398.0	389.5	387.8
47.5°	1867.0	1655.0	1109.4	664.9	463.3	402.4	394.6	398.9	397.3	387.0	385.3
50°	2057.5	1796.7	1142.9	650.4	447.9	395.6	392.1	398.0	396.4	385.3	383.5
52.5°	2256.6	1943.5	1166.9	627.1	431.5	388.6	389.5	397.3	397.3	386.1	384.4
55°	2453.9	2076.4	1178.0	598.0	414.4	382.7	387.0	397.3	399.8	388.6	387.0
57.5°	2635.8	2183.7	1172.1	564.6	398.0	375.9	385.3	396.4	401.5	391.2	389.5
60°	2787.7	2278.0	1146.2	528.6	384.4	369.8	382.7	396.4	402.4	394.6	393.0
62.5°	2880.3	2311.5	1094.0	489.9	370.7	362.9	378.4	394.6	401.5	395.6	393.8
65°	2898.4	2285.7	1019.3	453.0	357.7	355.2	371.4	389.5	398.9	395.6	393.0
67°	2841.8	2209.4	941.2	423.9	346.7	347.6	365.5	384.4	395.6	394.6	391.2
67.5°	2816.8	2181.1	921.5	416.2	344.9	344.9	363.9	382.7	394.6	393.8	391.2
70°	2650.4	2011.1	808.2	380.2	331.1	333.8	352.7	374.1	387.0	387.8	386.1
72.5°	2385.3	1773.6	694.1	345.8	315.8	319.2	338.0	359.5	374.1	375.9	373.2
75°	2036.1	1493.8	580.8	314.9	298.5	301.1	320.1	340.6	356.1	358.7	356.1
77.5°	1683.5	1195.3	474.5	285.8	277.9	282.2	298.5	317.6	332.1	333.8	332.1
80°	1287.9	906.8	378.4	258.3	255.7	260.0	273.8	290.1	302.9	304.5	302.9
82.5°	945.6	664.9	299.4	230.9	230.0	234.3	245.3	260.9	271.1	271.9	269.4
85°	674.4	469.4	238.5	200.9	202.5	204.3	214.5	226.6	235.0	236.0	230.9
87.5°	452.1	320.1	186.2	172.5	174.2	174.2	180.2	190.5	196.5	195.7	191.2
90°	295.2	217.8	150.1	146.8	147.6	147.6	150.1	157.1	162.1	159.5	157.1
92.5°	190.5	152.7	123.5	125.3	125.3	123.5	124.4	129.5	132.1	129.5	127.9
95°	129.5	112.4	102.9	105.6	106.4	102.9	102.9	105.6	107.3	103.8	101.2
97.5°	93.6	86.6	84.9	89.2	88.4	85.8	84.1	84.9	85.8	81.4	79.8
100°	70.3	68.6	69.4	74.6	73.8	71.2	69.4	68.6	67.8	63.5	62.6
102.5°	54.8	54.1	57.5	61.8	60.9	58.3	56.7	55.8	54.1	48.9	48.9
105°	42.0	42.8	47.3	51.6	50.7	48.9	47.3	45.5	42.0	37.8	37.8
107.5°	31.7	33.4	38.5	42.8	42.0	40.3	38.5	36.9	32.6	29.1	29.1



REPORT NUMBER: P266219

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.1	25.7	30.9	35.2	34.3	33.4	31.7	29.1	25.0	22.3	21.5
112.5°	18.1	19.8	25.0	28.2	28.2	27.5	25.7	23.1	18.9	17.2	16.3
115°	13.7	15.5	19.8	22.3	22.3	21.5	20.7	18.1	13.7	12.8	12.8
117.5°	11.1	11.9	15.5	18.1	18.1	17.2	16.3	13.7	10.3	10.3	10.3
120°	8.5	9.4	11.9	13.7	13.7	12.8	11.9	10.3	7.7	7.7	7.7
122.5°	7.7	7.7	9.4	11.1	10.3	10.3	9.4	7.7	6.0	6.0	6.0
125°	6.0	6.8	7.7	8.5	7.7	7.7	6.8	6.0	5.1	5.1	5.1
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	5.1	4.3	3.5	4.3	4.3
130°	5.1	5.1	5.1	5.1	4.3	4.3	3.5	2.5	2.5	3.5	3.5
132.5°	5.1	5.1	5.1	4.3	3.5	2.5	2.5	1.6	2.5	2.5	2.5
135°	4.3	4.3	4.3	3.5	2.5	1.6	0.9	0.9	1.6	1.6	1.6
137.5°	4.3	4.3	3.5	3.5	2.5	0.9	0.0	0.9	0.9	0.9	0.9
140°	3.5	3.5	3.5	2.5	1.6	0.9	0.0	0.0	0.9	0.9	0.0
142.5°	3.5	3.5	2.5	1.6	0.9	0.0	0.0	0.0	0.9	0.0	0.0
145°	2.5	2.5	2.5	1.6	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	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)