

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: P254425

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8073.1 lumens
Efficiency: N/A
Efficacy: 85.9 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

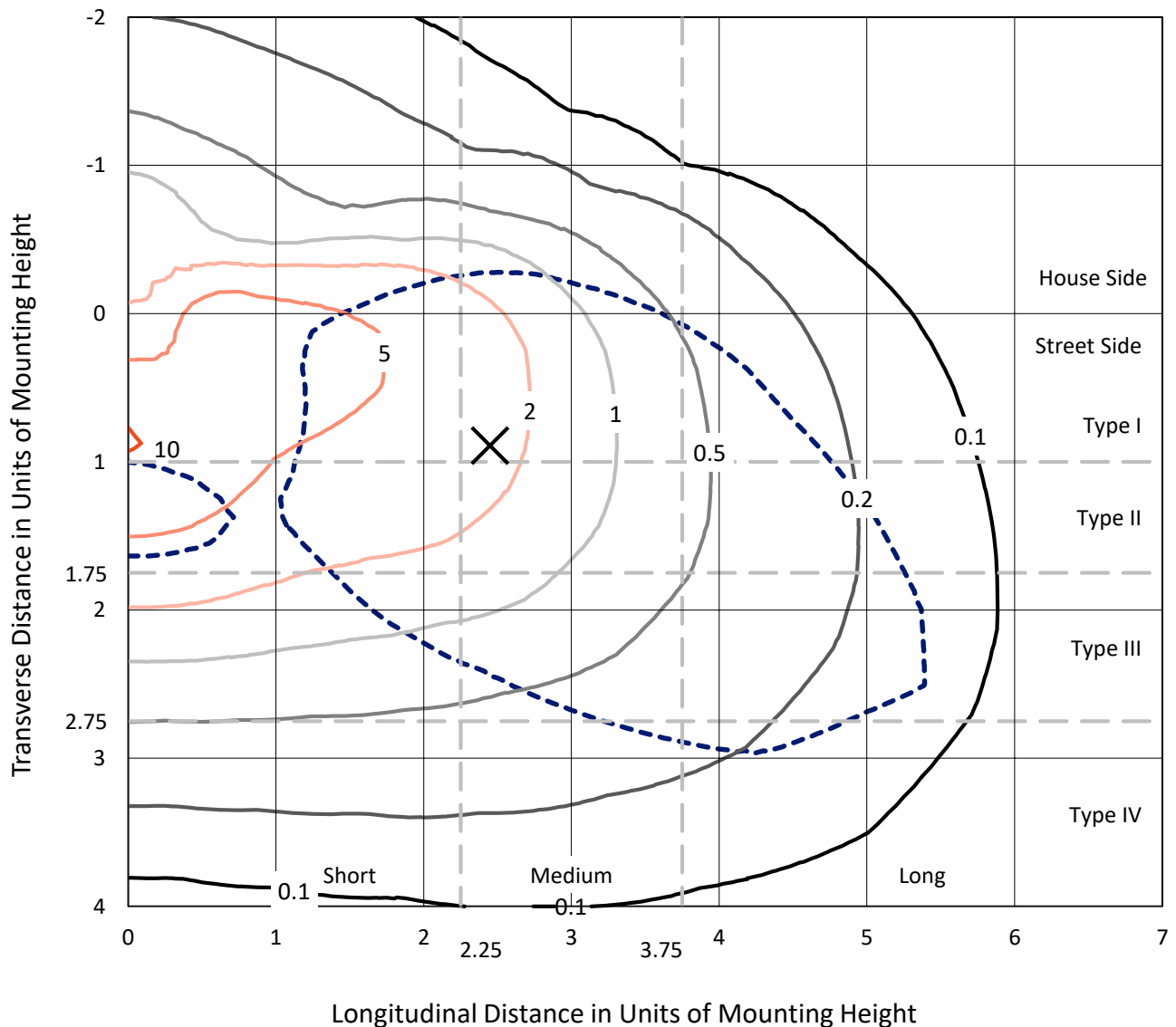
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

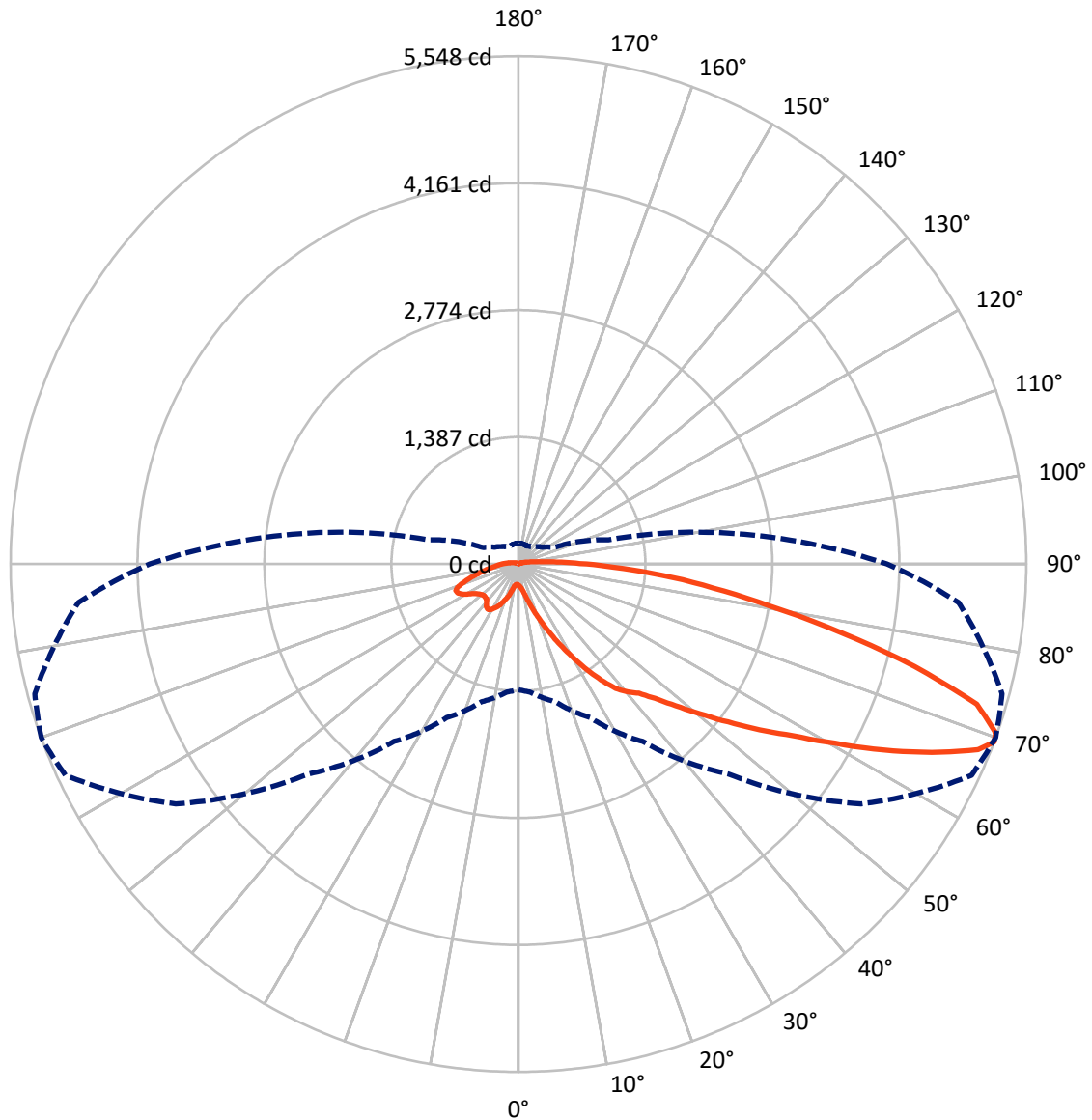


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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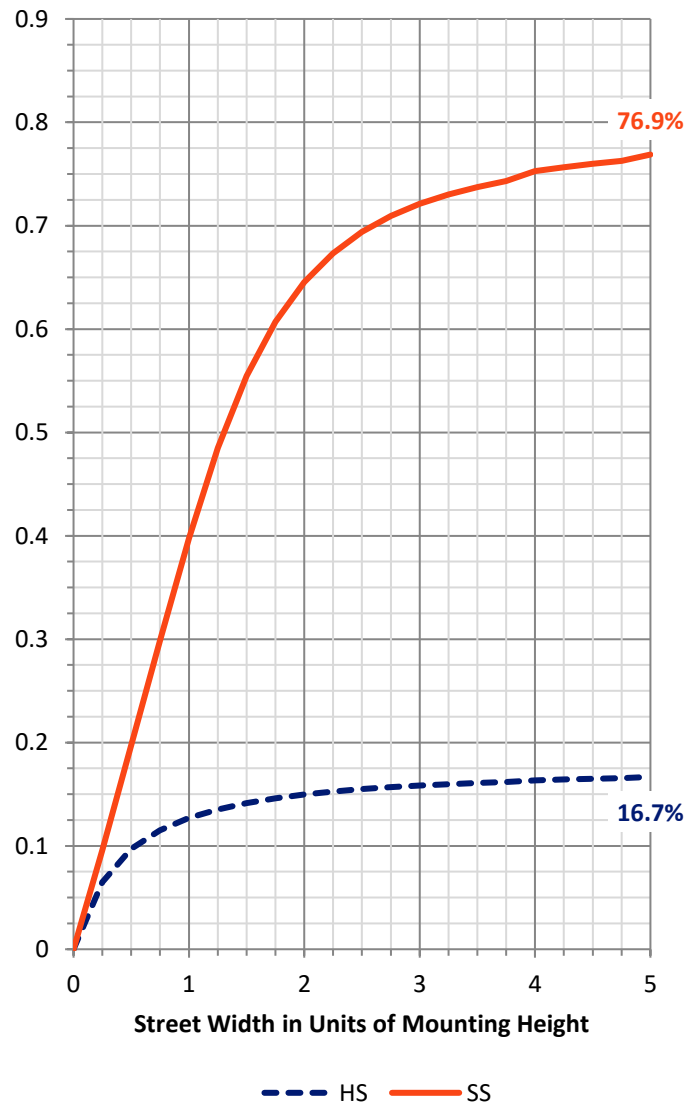
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1404.2	110.9	1515.1
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	6375.4	182.7	6558.0
	% Fixture	79.0	2.3	81.2
Total	Lumens	7779.6	293.6	8073.1
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	0.3
10°-20°	103.7	1.3
20°-30°	288.4	3.6
30°-40°	609.3	7.5
40°-50°	1022.2	12.7
50°-60°	1541.1	19.1
60°-70°	2005.3	24.8
70°-80°	1568.1	19.4
80°-90°	617.7	7.7
90°-100°	183.2	2.3
100°-110°	60.0	0.7
110°-120°	25.8	0.3
120°-130°	14.0	0.2
130°-140°	7.5	0.1
140°-150°	2.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7779.6	96.4
0°-180°	8073.1	100.0

Coefficient of Utilization



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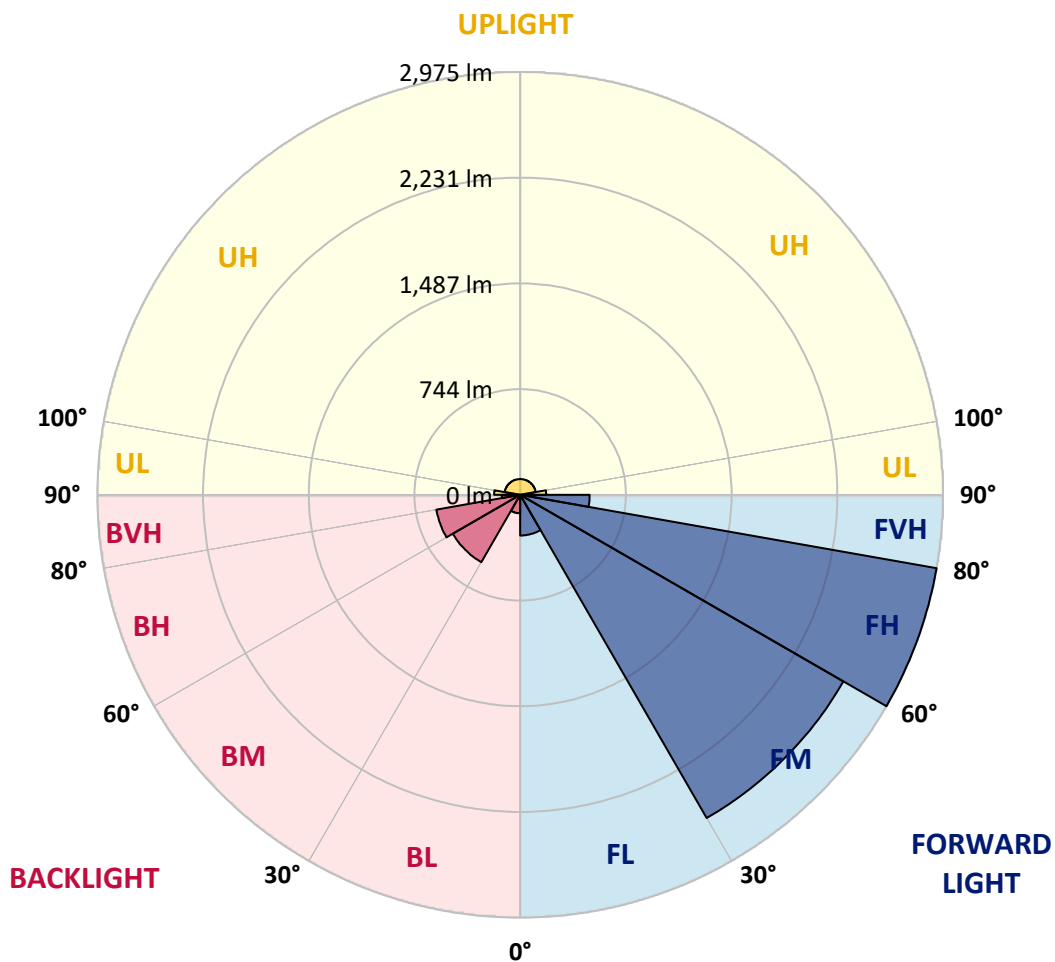
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.2	3.5			
FM (30°-60°)	2625.6	32.5			
FH (60°-80°)	2974.9	36.8			G2/5000
FVH (80°-90°)	488.7	6.1			G3/500
BL (0°-30°)	129.8	1.6	B1/500		
BM (30°-60°)	547.0	6.8	B1/1000		
BH (60°-80°)	598.4	7.4	B2/1000		G2/1000
BVH (80°-90°)	129.0	1.6			G2/225
UL (90°-100°)	183.2	2.3		U3/500	
UH (100°-180°)	110.9	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°	70°	75°	85°
0°	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4
2.5°	257.6	257.6	258.6	257.6	256.6	252.6	248.5	243.5	241.4	239.5	234.4
5°	286.9	286.9	285.9	283.9	281.8	274.8	268.7	260.6	256.6	252.6	243.5
7.5°	322.2	321.3	320.3	316.2	312.2	303.1	294.0	283.9	277.8	272.7	260.6
10°	364.7	363.7	362.6	355.6	349.5	339.4	330.3	317.2	312.2	305.1	288.0
12.5°	419.2	422.3	416.2	405.1	397.0	382.9	376.9	367.8	361.7	358.6	340.4
15°	487.9	490.0	481.9	463.7	452.6	438.4	440.5	441.5	438.4	438.4	416.2
17.5°	570.8	566.7	560.7	534.4	517.2	511.2	520.3	529.4	531.4	534.4	511.2
20°	674.8	676.9	658.7	620.3	593.0	595.1	606.1	623.3	631.4	638.5	614.3
22.5°	817.3	801.2	779.9	725.4	687.9	679.9	697.0	730.4	743.6	761.7	738.5
25°	969.9	953.7	916.3	853.7	797.1	772.8	801.2	858.7	881.0	911.2	891.0
27.5°	1132.5	1119.3	1062.7	996.1	919.3	876.9	914.3	992.1	1027.5	1065.8	1043.6
30°	1307.2	1292.1	1225.4	1146.6	1049.6	996.1	1025.4	1137.5	1196.1	1248.7	1238.6
32.5°	1515.4	1495.1	1413.3	1313.4	1186.0	1122.4	1153.7	1306.2	1380.0	1447.7	1433.6
35°	1747.7	1737.6	1628.5	1501.2	1344.7	1254.8	1298.1	1463.8	1556.8	1628.5	1609.3
37.5°	2014.4	2002.3	1878.0	1709.4	1510.3	1397.1	1429.5	1615.3	1723.5	1799.3	1756.8
40°	2263.0	2250.8	2127.6	1929.6	1683.1	1546.7	1574.0	1739.6	1837.6	1899.3	1821.5
42.5°	2528.6	2505.4	2368.0	2139.7	1867.0	1705.3	1699.2	1834.7	1928.6	2008.4	1927.5
45°	2763.0	2757.0	2609.4	2347.8	2051.8	1860.8	1821.5	1972.0	2095.2	2202.3	2119.5
47.5°	2910.5	2902.4	2794.4	2533.7	2213.5	2012.5	1984.1	2168.0	2312.5	2428.6	2332.6
50°	2989.4	2986.3	2909.5	2675.1	2375.1	2179.1	2199.3	2407.4	2570.1	2715.5	2612.5
52.5°	3023.6	3023.6	2964.1	2776.2	2518.5	2370.1	2445.8	2684.2	2867.1	3023.6	2886.3
55°	3019.6	3020.7	2959.0	2800.4	2632.7	2570.1	2726.7	3011.6	3196.4	3365.1	3204.5
57.5°	2892.4	2900.5	2887.3	2784.3	2694.4	2773.1	3049.9	3363.2	3536.9	3696.5	3516.7
60°	2586.2	2607.5	2653.9	2674.1	2708.5	2966.0	3386.4	3760.2	3975.3	4170.3	4022.9
62.5°	2290.3	2308.4	2373.0	2461.0	2670.1	3112.5	3760.2	4304.7	4476.4	4663.3	4389.5
65°	1930.6	1958.8	2085.2	2251.8	2577.1	3215.6	4172.3	4814.8	4962.3	5052.3	4712.8
67.5°	1568.9	1595.2	1746.7	2012.5	2455.9	3275.2	4476.4	5269.4	5414.9	5424.0	4919.9
69°	1372.9	1402.3	1557.9	1850.8	2366.0	3242.9	4569.3	5461.4	5548.3	5469.5	4827.0
70°	1267.8	1267.8	1440.6	1739.6	2287.2	3183.3	4584.6	5475.5	5532.1	5415.9	4729.0
72.5°	919.3	929.5	1110.3	1458.8	2035.7	2942.8	4331.0	5203.8	5236.1	4924.0	4074.3
75°	630.4	640.5	800.2	1133.5	1710.4	2561.0	3820.7	4500.7	4472.3	4128.9	3294.4
77.5°	436.4	443.4	564.8	826.3	1352.8	2119.5	3184.3	3679.3	3609.6	3288.4	2465.0
80°	306.1	313.2	406.1	614.3	1026.4	1667.9	2524.6	2882.3	2781.2	2495.3	1810.3
82.5°	215.2	221.3	298.0	464.7	777.9	1298.1	1991.2	2241.7	2141.8	1888.2	1294.1
85°	153.5	157.6	216.1	353.6	596.1	967.8	1511.3	1680.1	1578.0	1343.6	859.7
87.5°	111.1	115.2	159.6	266.7	461.7	752.6	1117.4	1189.1	1046.6	850.6	543.5
90°	83.9	86.8	120.2	200.0	359.7	552.6	800.2	774.9	670.9	536.4	362.6
92.5°	62.6	64.7	92.0	151.5	275.8	429.3	555.7	505.1	418.3	339.4	247.6
95°	46.4	48.5	69.7	114.2	204.1	308.1	362.6	312.2	260.6	215.2	168.7
97.5°	35.4	37.3	54.5	86.8	147.5	217.2	234.4	199.1	172.8	147.5	120.2
100°	28.3	29.3	42.5	66.7	106.1	148.5	161.6	138.4	121.2	108.1	90.9
102.5°	22.2	24.2	34.4	52.6	80.8	110.1	117.2	101.1	89.9	80.8	71.7
105°	19.2	20.3	28.3	42.5	63.6	82.9	88.9	75.8	66.7	60.7	55.5
107.5°	17.2	17.2	24.2	35.4	51.6	65.7	68.7	56.6	49.5	45.4	42.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	15.1	15.1	21.2	30.3	43.5	54.5	53.5	42.5	37.3	33.3	33.3
112.5°	14.1	14.1	18.2	27.3	37.3	45.4	42.5	33.3	29.3	25.3	27.3
115°	13.1	13.1	17.2	24.2	33.3	38.4	35.4	26.3	22.2	20.3	22.2
117.5°	13.1	13.1	16.2	22.2	30.3	33.3	30.3	22.2	18.2	17.2	19.2
120°	13.1	13.1	16.2	21.2	27.3	29.3	25.3	18.2	16.2	14.1	17.2
122.5°	13.1	13.1	15.1	20.3	25.3	26.3	22.2	16.2	13.1	13.1	15.1
125°	14.1	14.1	16.2	20.3	23.2	23.2	19.2	14.1	12.2	12.2	15.1
127.5°	15.1	15.1	16.2	19.2	21.2	20.3	17.2	13.1	12.2	12.2	14.1
130°	16.2	16.2	17.2	18.2	19.2	17.2	14.1	12.2	11.2	12.2	14.1
132.5°	16.2	16.2	16.2	17.2	17.2	15.1	12.2	10.1	10.1	11.2	13.1
135°	15.1	15.1	15.1	15.1	15.1	12.2	10.1	9.1	9.1	10.1	12.2
137.5°	13.1	13.1	12.2	12.2	12.2	10.1	8.1	7.1	7.1	8.1	10.1
140°	10.1	10.1	10.1	10.1	10.1	8.1	6.0	5.0	6.0	7.1	8.1
142.5°	8.1	8.1	8.1	8.1	8.1	6.0	4.1	5.0	6.0	6.0	7.1
145°	7.1	6.0	6.0	6.0	6.0	4.1	3.1	4.1	5.0	6.0	6.0
147.5°	5.0	5.0	5.0	5.0	4.1	2.0	2.0	4.1	4.1	5.0	6.0
150°	3.1	3.1	3.1	3.1	2.0	1.0	2.0	3.1	4.1	4.1	5.0
152.5°	1.0	1.0	2.0	2.0	1.0	0.0	1.0	2.0	3.1	3.1	4.1
155°	0.0	0.0	1.0	2.0	0.0	0.0	1.0	2.0	2.0	3.1	3.1
157.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4
2.5°	231.4	229.3	225.3	222.3	218.2	215.2	215.2	212.2	212.2	211.1	210.1
5°	239.5	236.4	226.3	219.2	212.2	206.1	202.0	199.1	196.0	194.0	192.9
7.5°	254.6	247.6	233.3	221.3	209.1	200.0	191.9	186.9	182.9	181.9	179.8
10°	279.9	271.8	249.5	229.3	211.1	196.0	185.9	178.8	174.8	173.8	172.8
12.5°	329.4	317.2	284.9	251.5	217.2	194.0	180.9	179.8	180.9	182.9	183.8
15°	401.1	387.9	338.4	285.9	233.3	197.0	190.0	191.9	195.0	198.0	198.0
17.5°	489.0	466.8	400.1	324.3	253.6	215.2	199.1	201.0	207.1	212.2	212.2
20°	587.0	551.6	457.7	352.6	272.7	227.3	208.1	209.1	218.2	224.2	225.3
22.5°	706.1	652.6	518.2	375.8	283.9	232.3	214.2	215.2	229.3	239.5	240.4
25°	840.6	770.8	588.0	401.1	288.0	230.4	217.2	224.2	246.5	263.7	264.6
27.5°	974.9	878.9	641.5	418.3	284.9	224.2	219.2	234.4	261.7	277.8	279.9
30°	1148.7	1028.5	701.1	425.3	274.8	218.2	219.2	238.4	261.7	277.8	278.9
32.5°	1321.4	1157.8	749.6	430.4	263.7	213.2	216.1	233.3	255.6	273.7	274.8
35°	1467.9	1260.8	770.8	420.2	253.6	210.1	211.1	228.3	253.6	275.8	276.8
37.5°	1576.0	1327.5	768.8	396.0	241.4	207.1	208.1	227.3	255.6	279.9	282.8
40°	1612.4	1331.5	730.4	360.7	233.3	206.1	209.1	227.3	253.6	273.7	276.8
42.5°	1697.2	1366.9	704.1	329.4	227.3	208.1	212.2	224.2	243.5	262.7	266.7
45°	1848.8	1462.8	711.3	314.1	226.3	213.2	214.2	221.3	234.4	252.6	257.6
47.5°	2012.5	1560.8	714.2	306.1	231.4	218.2	217.2	218.2	225.3	240.4	245.5
50°	2238.7	1708.3	730.4	305.1	239.5	224.2	220.2	216.1	221.3	239.5	244.5
52.5°	2472.1	1864.9	756.7	311.2	251.5	232.3	224.2	217.2	221.3	237.4	244.5
55°	2732.7	2059.9	795.0	323.3	263.7	241.4	229.3	220.2	220.2	234.4	240.4
57.5°	3020.7	2260.9	845.6	339.4	276.8	251.5	233.3	221.3	219.2	228.3	233.3
60°	3468.2	2598.4	934.5	362.6	289.9	259.6	236.4	222.3	220.2	227.3	230.4
62.5°	3765.2	2832.8	1011.3	386.0	302.1	266.7	237.4	222.3	222.3	226.3	228.3
65°	4047.1	3037.9	1062.7	407.1	313.2	270.8	237.4	221.3	222.3	225.3	225.3
67.5°	4142.0	3089.3	1065.8	422.3	320.3	270.8	235.4	220.2	223.3	226.3	225.3
69°	4027.9	2982.2	1020.4	423.3	320.3	267.7	233.3	218.2	223.3	226.3	225.3
70°	3919.7	2890.3	981.9	419.2	317.2	264.6	230.4	217.2	222.3	225.3	224.2
72.5°	3310.6	2389.2	831.5	399.1	306.1	254.6	221.3	210.1	217.2	221.3	219.2
75°	2637.8	1883.2	677.9	363.7	286.9	238.4	209.1	199.1	207.1	211.1	208.1
77.5°	1965.9	1394.2	542.5	328.4	265.7	224.2	196.0	184.8	191.0	192.9	190.0
80°	1426.5	1012.3	435.4	296.0	246.5	210.1	182.9	170.7	175.7	175.7	171.8
82.5°	1008.2	719.3	351.6	263.7	226.3	198.0	171.8	158.7	165.7	164.7	160.6
85°	675.9	499.1	288.0	228.3	203.1	181.9	159.6	149.6	157.6	156.6	152.5
87.5°	447.5	356.6	241.4	198.0	177.8	161.6	145.5	138.4	146.5	144.4	139.4
90°	317.2	269.8	204.1	170.7	152.5	140.5	129.3	124.3	129.3	125.3	120.2
92.5°	228.3	202.0	167.7	143.4	127.3	119.2	112.1	108.1	111.1	105.1	101.1
95°	161.6	148.5	134.3	118.2	106.1	99.0	94.9	93.0	94.9	85.8	82.9
97.5°	118.2	112.1	106.1	98.0	87.9	83.9	80.8	78.8	78.8	69.7	67.7
100°	92.0	88.9	86.8	81.8	73.8	70.7	68.7	67.7	65.7	57.6	55.5
102.5°	73.8	72.7	72.7	67.7	61.6	59.6	57.6	56.6	54.5	47.5	45.4
105°	58.6	58.6	59.6	55.5	51.6	49.5	48.5	46.4	44.5	39.4	39.4
107.5°	46.4	46.4	48.5	45.4	43.5	41.4	40.4	38.4	36.4	33.3	33.3



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.4	37.3	40.4	38.4	36.4	35.4	34.4	31.3	29.3	28.3	28.3
112.5°	29.3	31.3	33.3	32.3	30.3	30.3	28.3	26.3	24.2	24.2	24.2
115°	25.3	26.3	28.3	27.3	26.3	25.3	24.2	21.2	20.3	20.3	21.2
117.5°	21.2	22.2	24.2	23.2	22.2	22.2	20.3	18.2	16.2	18.2	18.2
120°	18.2	19.2	20.3	20.3	19.2	19.2	17.2	15.1	13.1	15.1	15.1
122.5°	17.2	17.2	18.2	17.2	17.2	16.2	14.1	12.2	11.2	13.1	13.1
125°	16.2	16.2	16.2	15.1	15.1	14.1	12.2	10.1	9.1	11.2	11.2
127.5°	15.1	15.1	15.1	14.1	12.2	11.2	10.1	8.1	7.1	9.1	9.1
130°	15.1	15.1	13.1	12.2	11.2	9.1	8.1	6.0	6.0	8.1	8.1
132.5°	14.1	13.1	12.2	10.1	9.1	7.1	6.0	5.0	5.0	6.0	7.1
135°	12.2	12.2	10.1	8.1	7.1	5.0	5.0	3.1	4.1	5.0	5.0
137.5°	10.1	10.1	9.1	7.1	5.0	4.1	3.1	2.0	3.1	4.1	4.1
140°	9.1	8.1	7.1	6.0	4.1	2.0	2.0	1.0	2.0	2.0	3.1
142.5°	8.1	8.1	7.1	5.0	3.1	2.0	0.0	1.0	1.0	1.0	2.0
145°	7.1	7.1	6.0	4.1	3.1	1.0	0.0	1.0	1.0	1.0	0.0
147.5°	6.0	6.0	5.0	4.1	2.0	0.0	0.0	0.0	1.0	0.0	0.0
150°	5.0	5.0	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	4.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	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)