

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: P255178

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255178
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-AF24-60-D-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6360.7 lumens
Efficiency: N/A
Efficacy: 99.4 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 - G3

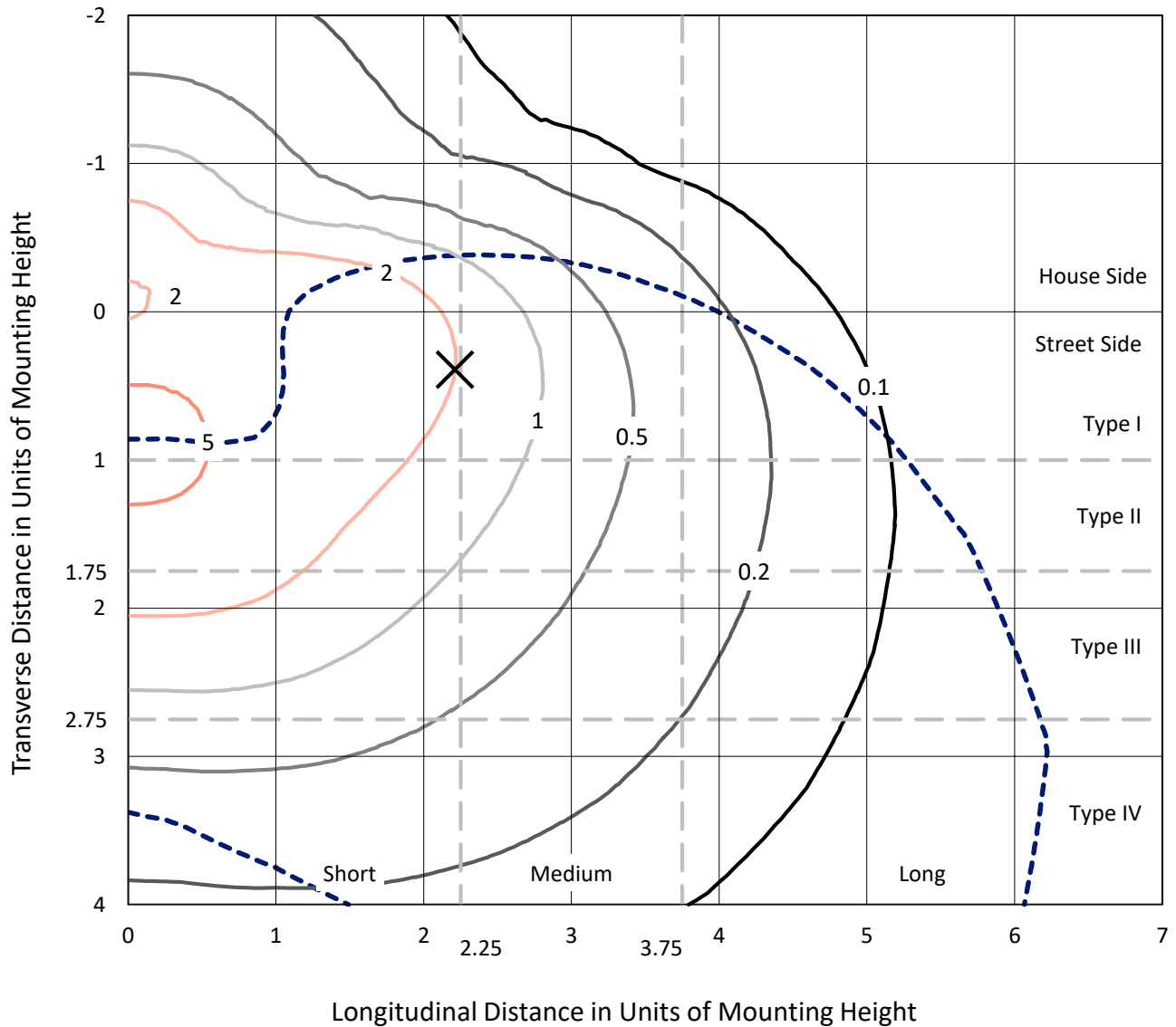
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

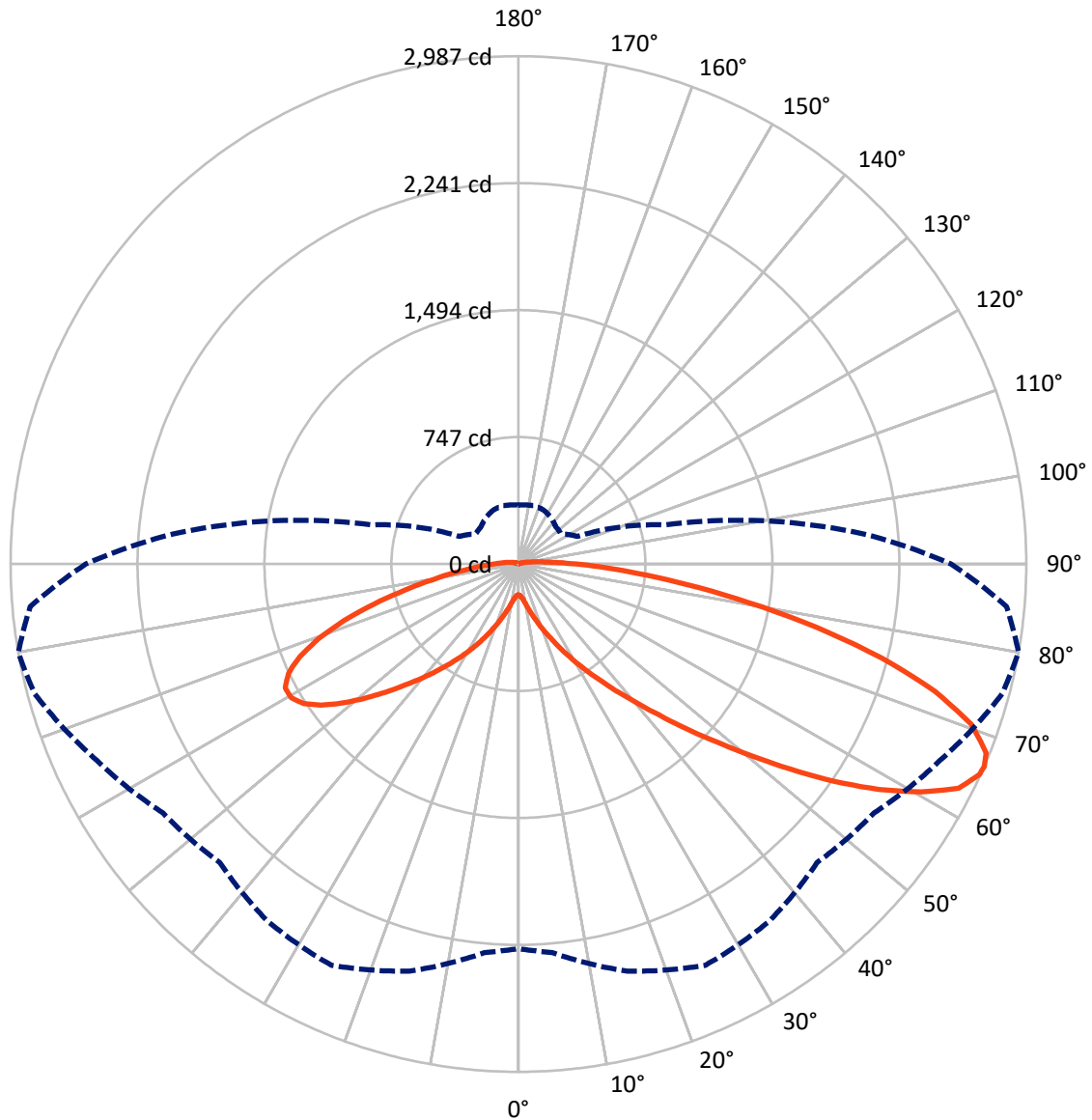
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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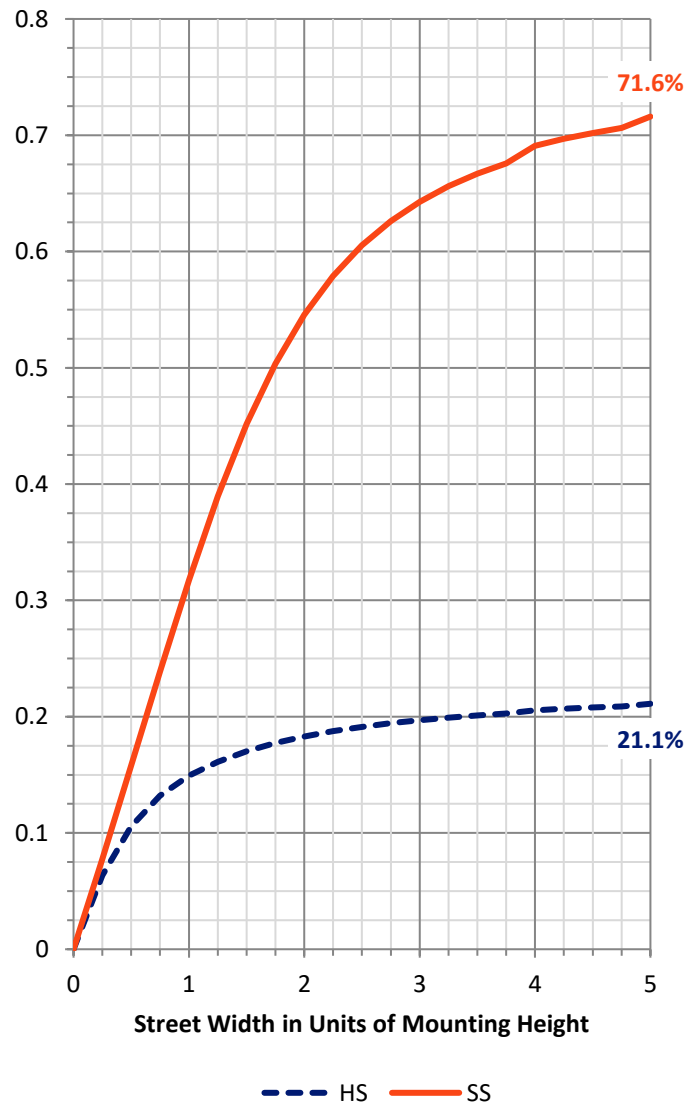
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1410.6	90.9	1501.5
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	4737.4	121.8	4859.2
	% Fixture	74.5	1.9	76.4
Total	Lumens	6148.0	212.7	6360.7
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.3
10°-20°	86.3	1.4
20°-30°	220.4	3.5
30°-40°	436.2	6.9
40°-50°	756.2	11.9
50°-60°	1205.8	19.0
60°-70°	1567.6	24.6
70°-80°	1296.5	20.4
80°-90°	559.4	8.8
90°-100°	145.9	2.3
100°-110°	43.0	0.7
110°-120°	16.1	0.3
120°-130°	5.5	0.1
130°-140°	1.8	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6148.0	96.7
0°-180°	6360.7	100.0



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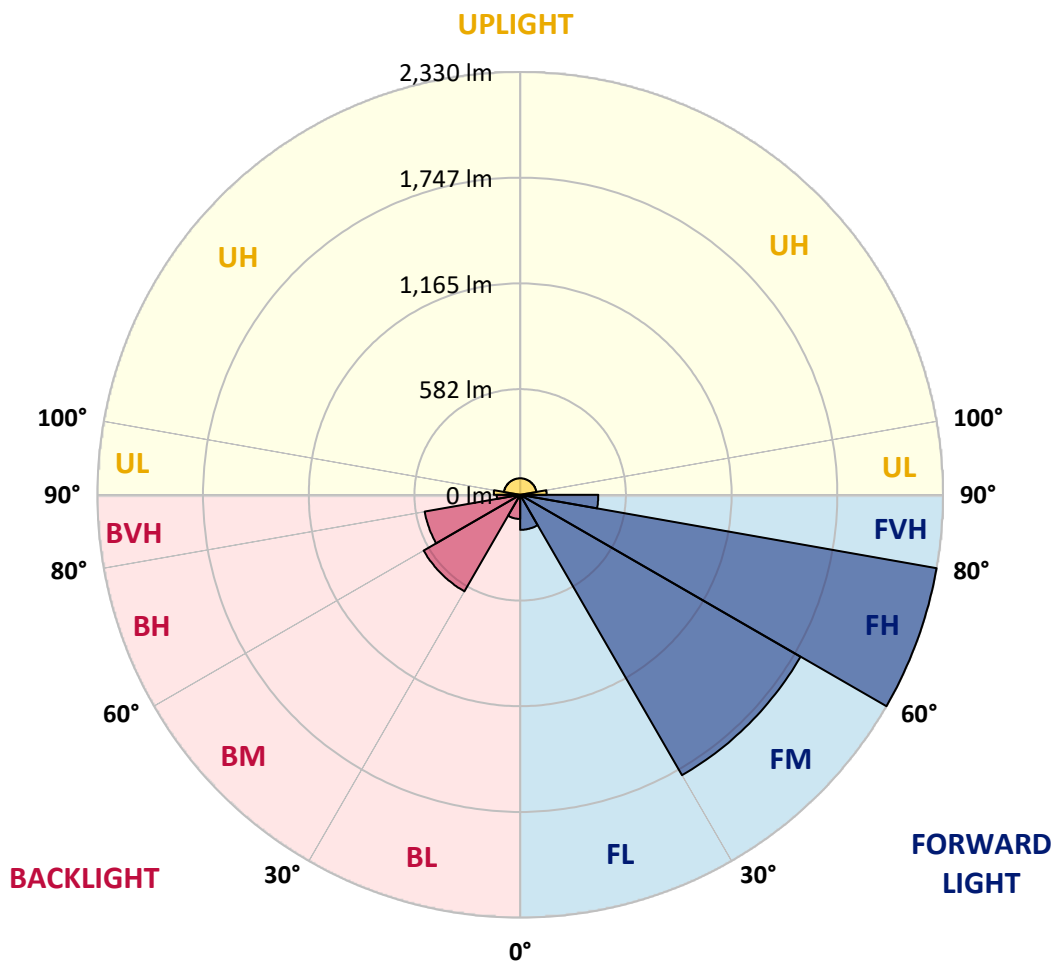
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.2	3.0			
FM	(30°-60°)	1783.8	28.0			
FH	(60°-80°)	2329.9	36.6			G2/5000
FVH	(80°-90°)	430.5	6.8			G3/500
BL	(0°-30°)	133.1	2.1	B1/500		
BM	(30°-60°)	614.4	9.7	B1/1000		
BH	(60°-80°)	534.2	8.4	B2/1000		G2/1000
BVH	(80°-90°)	128.9	2.0			G2/225
UL	(90°-100°)	145.9	2.3		U3/500	
UH	(100°-180°)	90.9	1.4		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0
2.5°	195.0	194.2	195.0	195.0	194.2	193.4	191.1	189.6	187.3	185.8	184.9
5°	211.0	210.2	210.2	210.2	209.5	208.0	204.9	201.8	198.8	196.5	195.7
7.5°	233.9	231.6	231.6	230.9	229.3	227.0	223.2	220.1	217.1	213.3	211.8
10°	265.3	263.7	261.5	259.9	256.0	253.8	249.2	245.4	243.1	240.1	237.0
12.5°	302.7	305.0	303.5	297.4	292.8	289.0	282.8	280.6	278.2	274.5	272.1
15°	351.7	353.2	349.3	343.2	335.6	331.0	324.9	319.6	318.0	313.4	310.4
17.5°	407.4	410.5	404.4	395.3	385.2	374.6	370.0	364.7	362.3	357.7	354.7
20°	473.9	477.0	468.6	454.8	440.3	425.0	419.7	413.6	412.8	408.3	405.9
22.5°	551.9	554.2	541.2	521.4	500.7	480.9	472.4	466.4	467.1	463.3	462.5
25°	642.1	642.9	624.5	598.5	567.2	540.4	529.0	525.9	529.0	526.7	525.2
27.5°	743.8	743.1	726.2	685.7	638.3	601.6	587.9	588.6	595.5	597.0	597.0
30°	856.2	859.3	830.9	778.2	716.3	665.8	651.3	654.4	674.2	674.2	674.2
32.5°	986.9	986.1	954.0	877.6	800.4	738.5	719.3	722.4	746.9	758.3	754.5
35°	1132.9	1131.4	1091.6	993.8	892.1	815.7	789.7	804.2	837.8	850.8	847.8
37.5°	1289.6	1289.6	1243.0	1123.0	992.3	899.8	871.5	887.5	934.9	956.4	944.9
40°	1450.1	1451.0	1395.9	1269.0	1106.1	991.4	959.4	987.7	1054.2	1074.8	1067.1
42.5°	1610.7	1606.1	1554.9	1413.5	1228.5	1094.7	1055.7	1103.2	1184.2	1213.2	1202.5
45°	1772.8	1769.7	1723.1	1565.6	1362.3	1206.3	1165.8	1226.9	1332.4	1379.0	1368.4
47.5°	1929.5	1929.5	1885.9	1718.5	1507.5	1333.2	1296.5	1372.2	1506.0	1557.1	1559.5
50°	2077.0	2079.2	2041.8	1885.9	1655.7	1473.0	1441.0	1539.6	1713.9	1769.7	1773.5
52.5°	2214.6	2220.7	2196.3	2060.2	1821.7	1629.0	1606.1	1717.7	1921.8	2003.7	2013.6
55°	2336.9	2339.2	2336.1	2222.3	1992.2	1792.6	1784.9	1918.7	2169.5	2257.4	2257.4
57.5°	2422.6	2436.3	2464.6	2372.1	2169.5	1971.5	1970.0	2127.4	2396.6	2501.3	2495.2
60°	2461.5	2476.8	2548.7	2505.8	2333.9	2151.2	2167.2	2345.3	2638.1	2722.2	2716.9
62.5°	2437.1	2456.9	2573.9	2595.3	2464.6	2318.6	2349.1	2541.0	2807.8	2906.4	2846.8
65°	2323.9	2353.0	2516.6	2615.2	2550.9	2446.3	2504.3	2694.7	2924.0	2982.1	2891.9
66°	2262.1	2294.1	2479.1	2603.7	2567.8	2483.7	2552.5	2735.2	2946.2	2987.4	2882.8
67.5°	2158.8	2184.8	2396.6	2562.4	2575.4	2534.2	2609.9	2775.0	2940.1	2967.6	2833.1
70°	1918.0	1950.2	2184.0	2434.0	2536.4	2566.3	2649.5	2770.4	2865.2	2826.9	2648.0
72.5°	1625.3	1675.7	1908.1	2213.1	2413.3	2517.4	2608.3	2670.2	2666.4	2562.4	2349.1
75°	1294.2	1325.5	1571.7	1902.0	2182.5	2375.9	2466.8	2456.2	2360.7	2204.7	1965.4
77.5°	966.3	997.6	1216.3	1541.9	1863.0	2107.6	2190.1	2143.5	1966.1	1793.4	1561.7
80°	680.4	707.9	890.6	1194.8	1505.2	1757.4	1826.3	1759.8	1542.6	1371.5	1174.1
82.5°	464.0	476.3	629.1	892.8	1173.4	1388.2	1454.7	1369.1	1162.0	999.1	845.5
85°	285.1	302.7	427.3	636.1	863.1	1028.2	1080.1	1012.9	834.7	704.8	582.5
87.5°	166.6	176.6	264.5	428.8	620.7	756.1	782.8	720.2	572.5	477.0	386.8
90°	89.4	97.1	152.1	267.6	421.3	522.9	542.8	484.7	374.6	304.2	247.7
92.5°	52.8	57.3	90.9	161.3	269.9	344.0	357.7	311.2	235.5	195.0	162.0
95°	34.4	37.4	59.6	100.9	165.9	217.9	224.7	192.6	149.0	128.4	112.4
97.5°	25.3	26.8	42.8	68.8	104.8	133.8	139.1	119.3	98.6	88.7	80.3
100°	19.8	21.4	32.8	50.4	70.4	86.3	87.9	77.9	68.0	62.7	59.6
102.5°	16.8	17.6	26.8	39.8	52.8	61.2	61.9	55.0	48.2	45.1	44.3
105°	14.5	15.2	22.9	32.8	42.0	47.4	47.4	41.3	35.2	32.8	33.7
107.5°	12.3	13.0	19.1	27.5	35.2	39.0	38.3	32.1	26.0	23.7	24.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	10.7	11.5	16.8	23.7	30.6	32.8	31.3	25.3	18.3	16.8	17.6
112.5°	9.9	9.9	14.5	20.7	26.0	27.5	25.3	19.1	13.0	12.3	13.0
115°	8.4	9.2	12.3	17.6	21.4	22.9	20.7	14.5	9.2	9.2	9.9
117.5°	7.7	8.4	10.7	14.5	18.3	19.1	16.8	11.5	6.9	6.9	7.7
120°	6.9	6.9	9.2	12.3	15.2	15.2	13.0	8.4	5.3	5.3	6.1
122.5°	6.1	6.9	7.7	9.9	12.3	12.3	9.9	6.1	4.6	4.6	5.3
125°	5.3	6.1	6.9	8.4	9.9	9.9	7.7	4.6	3.8	4.6	4.6
127.5°	5.3	5.3	6.1	6.9	8.4	7.7	6.1	3.1	3.8	3.8	4.6
130°	4.6	4.6	5.3	5.3	6.1	6.1	4.6	3.1	3.1	3.8	3.8
132.5°	3.8	3.8	4.6	4.6	5.3	4.6	3.1	2.3	3.1	3.1	3.8
135°	3.1	3.1	3.1	3.8	3.8	3.1	2.3	2.3	3.1	3.1	3.1
137.5°	3.1	2.3	3.1	3.1	2.3	1.5	1.5	1.5	2.3	3.1	3.1
140°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	1.5	2.3	2.3	3.1
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.3	2.3
145°	0.0	0.0	0.7	0.7	0.0	0.0	0.7	0.7	1.5	1.5	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0	182.0
2.5°	184.2	183.5	181.2	179.6	178.1	176.6	176.6	176.6	175.8	175.0	175.0
5°	194.2	192.6	189.6	186.5	182.7	179.6	178.1	177.4	175.8	174.3	174.3
7.5°	210.2	208.0	202.5	196.5	192.6	188.0	186.5	184.9	182.7	181.2	180.4
10°	234.7	230.9	222.5	214.8	207.1	201.0	198.8	197.2	195.7	195.7	195.7
12.5°	267.6	263.0	252.3	238.6	229.3	220.1	217.1	216.4	217.1	217.9	217.9
15°	305.8	298.1	284.4	266.1	253.1	243.1	240.1	240.1	241.5	242.3	242.3
17.5°	350.2	340.9	318.0	296.7	279.1	268.3	263.7	263.7	266.8	268.3	269.0
20°	396.7	386.8	360.8	326.4	304.2	292.1	286.6	287.4	291.2	295.1	295.8
22.5°	450.3	438.7	399.8	357.7	328.7	312.6	306.6	308.8	315.0	320.3	321.8
25°	511.4	496.8	445.7	391.4	350.9	329.5	324.9	329.5	338.7	345.6	346.3
27.5°	578.0	559.6	492.3	422.0	367.8	340.1	337.2	346.3	357.0	365.4	366.9
30°	652.0	629.1	541.2	448.8	380.7	348.6	345.6	357.7	370.7	380.7	382.2
32.5°	734.7	703.3	588.6	471.7	388.3	351.7	350.2	364.7	380.7	390.7	392.2
35°	824.1	782.8	639.0	490.0	391.4	350.9	350.2	366.9	383.7	393.7	394.4
37.5°	923.4	873.0	687.2	503.8	390.7	347.8	347.8	365.4	381.5	390.7	390.7
40°	1038.1	970.9	740.0	512.9	386.8	342.5	343.2	359.3	374.6	380.7	381.5
42.5°	1168.8	1084.0	788.2	516.8	379.2	336.3	336.3	352.4	364.7	367.8	367.8
45°	1318.7	1210.2	840.9	516.0	371.5	329.5	330.2	344.0	353.2	353.9	353.2
47.5°	1498.3	1356.1	890.6	512.9	360.8	322.6	324.9	337.2	344.0	343.2	342.5
50°	1695.5	1513.6	939.5	506.1	351.7	318.0	321.1	332.6	338.7	336.3	334.8
52.5°	1908.8	1677.9	983.1	495.3	341.7	314.1	319.6	331.0	336.3	332.6	332.6
55°	2129.8	1840.8	1017.5	479.4	333.3	311.9	320.3	331.0	337.2	333.3	333.3
57.5°	2330.1	1980.6	1033.5	460.9	326.4	311.2	321.8	334.8	340.1	337.2	337.2
60°	2487.5	2078.5	1022.8	439.6	319.6	310.4	324.9	339.4	345.6	341.7	341.7
62.5°	2581.5	2122.1	984.6	416.6	314.1	311.2	329.5	346.3	350.9	346.3	344.7
65°	2577.7	2077.0	920.3	392.2	308.8	311.2	332.6	350.2	353.9	348.6	346.3
66°	2544.1	2038.0	887.5	383.0	307.3	310.4	333.3	350.2	354.7	348.6	346.3
67.5°	2480.7	1957.7	833.3	368.5	303.5	309.6	334.1	350.9	353.9	348.6	345.6
70°	2280.4	1779.6	731.6	344.0	296.7	305.8	331.7	348.6	350.9	346.3	343.2
72.5°	1980.6	1526.7	628.4	319.6	287.4	297.4	325.6	340.9	344.7	340.1	337.2
75°	1627.5	1238.4	525.2	295.8	273.6	285.1	313.4	328.7	333.3	329.5	325.6
77.5°	1265.2	947.9	426.6	272.9	257.6	269.9	296.7	310.4	315.0	310.4	308.1
80°	938.8	701.0	342.5	248.5	239.3	250.7	276.0	288.2	292.8	287.4	285.9
82.5°	673.5	508.4	272.9	221.7	217.1	227.8	250.7	261.5	265.3	262.2	256.9
85°	450.3	350.2	215.5	192.6	193.4	203.4	222.5	229.3	233.9	230.9	226.3
87.5°	305.0	240.1	170.4	163.6	165.9	172.8	190.4	195.7	198.8	195.0	194.2
90°	198.8	165.9	135.3	138.4	141.5	146.8	157.4	159.8	163.6	159.8	159.0
92.5°	135.3	121.5	110.1	115.4	119.3	123.1	129.2	130.7	133.8	130.7	129.2
95°	99.3	94.0	89.4	96.4	100.1	102.4	106.3	105.5	107.8	104.8	103.2
97.5°	75.7	72.6	73.3	79.5	83.4	84.9	86.3	84.9	85.6	82.6	81.0
100°	58.8	57.3	59.6	65.8	68.8	68.8	69.6	68.0	66.5	63.4	61.2
102.5°	45.1	45.1	48.2	54.3	56.6	56.6	55.9	53.5	51.2	48.2	48.2
105°	34.4	35.2	39.8	45.1	46.6	45.8	45.8	42.8	39.8	35.9	35.9
107.5°	26.0	26.8	31.3	36.7	38.3	38.3	36.7	33.7	29.8	26.8	26.8



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.1	20.7	25.3	29.8	31.3	30.6	29.8	26.0	22.2	19.8	19.1
112.5°	14.5	15.2	19.8	23.7	25.3	25.3	23.7	19.8	16.1	14.5	14.5
115°	10.7	12.3	15.2	19.1	19.8	19.8	18.3	15.2	11.5	9.9	10.7
117.5°	8.4	9.2	12.3	15.2	15.2	15.2	13.8	10.7	8.4	7.7	7.7
120°	6.9	7.7	9.2	11.5	11.5	11.5	9.9	7.7	6.1	5.3	6.1
122.5°	5.3	6.1	6.9	8.4	8.4	8.4	7.7	5.3	3.8	3.8	4.6
125°	5.3	5.3	5.3	6.1	6.1	6.1	5.3	3.8	3.1	3.1	3.1
127.5°	4.6	4.6	4.6	4.6	4.6	3.8	3.1	2.3	1.5	2.3	2.3
130°	4.6	4.6	3.8	3.8	3.1	2.3	1.5	0.7	0.7	1.5	1.5
132.5°	3.8	3.8	3.8	3.1	2.3	1.5	0.7	0.0	0.0	0.7	0.7
135°	3.8	3.8	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	3.1	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)