

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: P255179

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255179
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-AF24-70-D-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 7133 lumens
Efficiency: N/A
Efficacy: 96.4 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

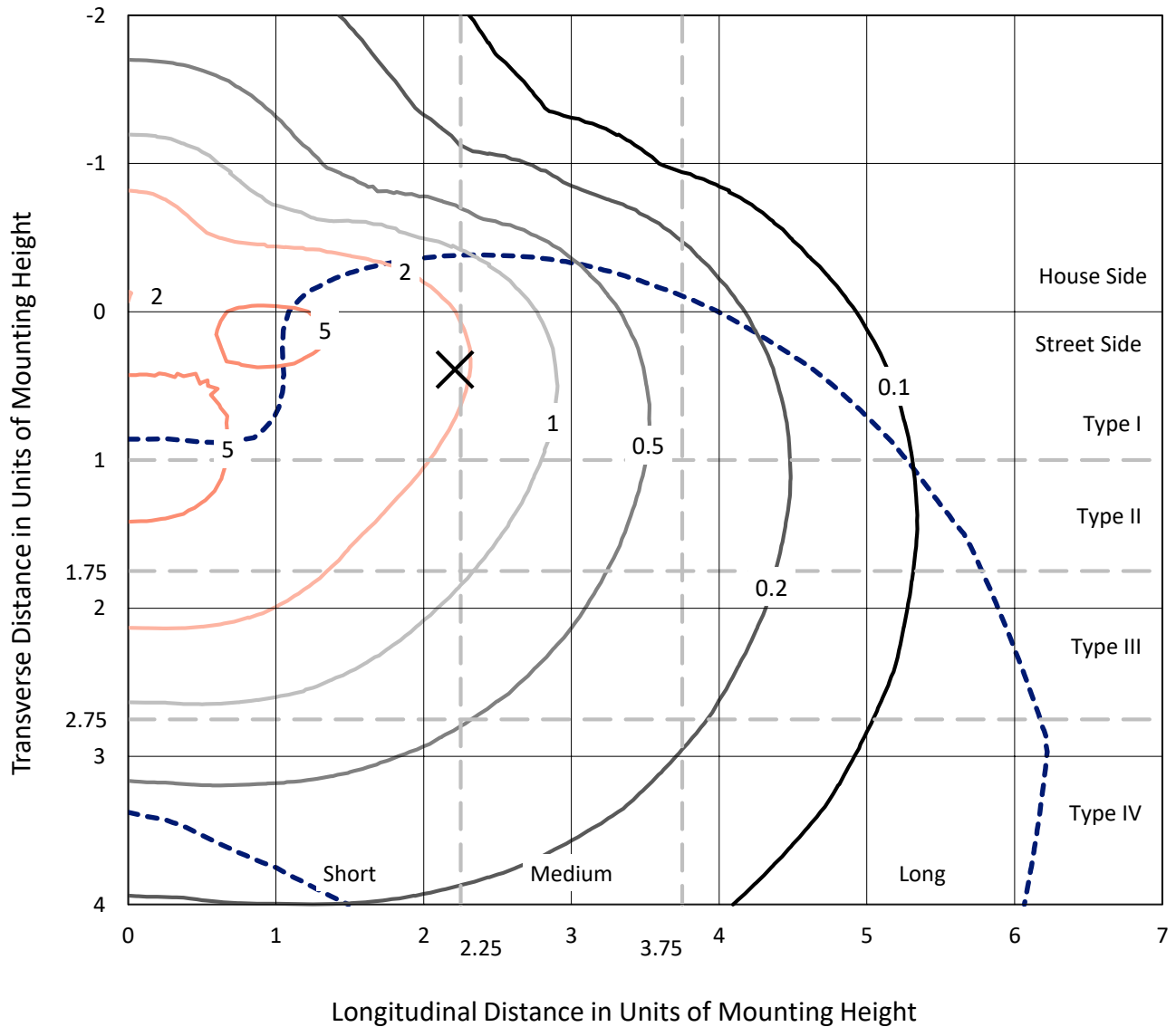
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

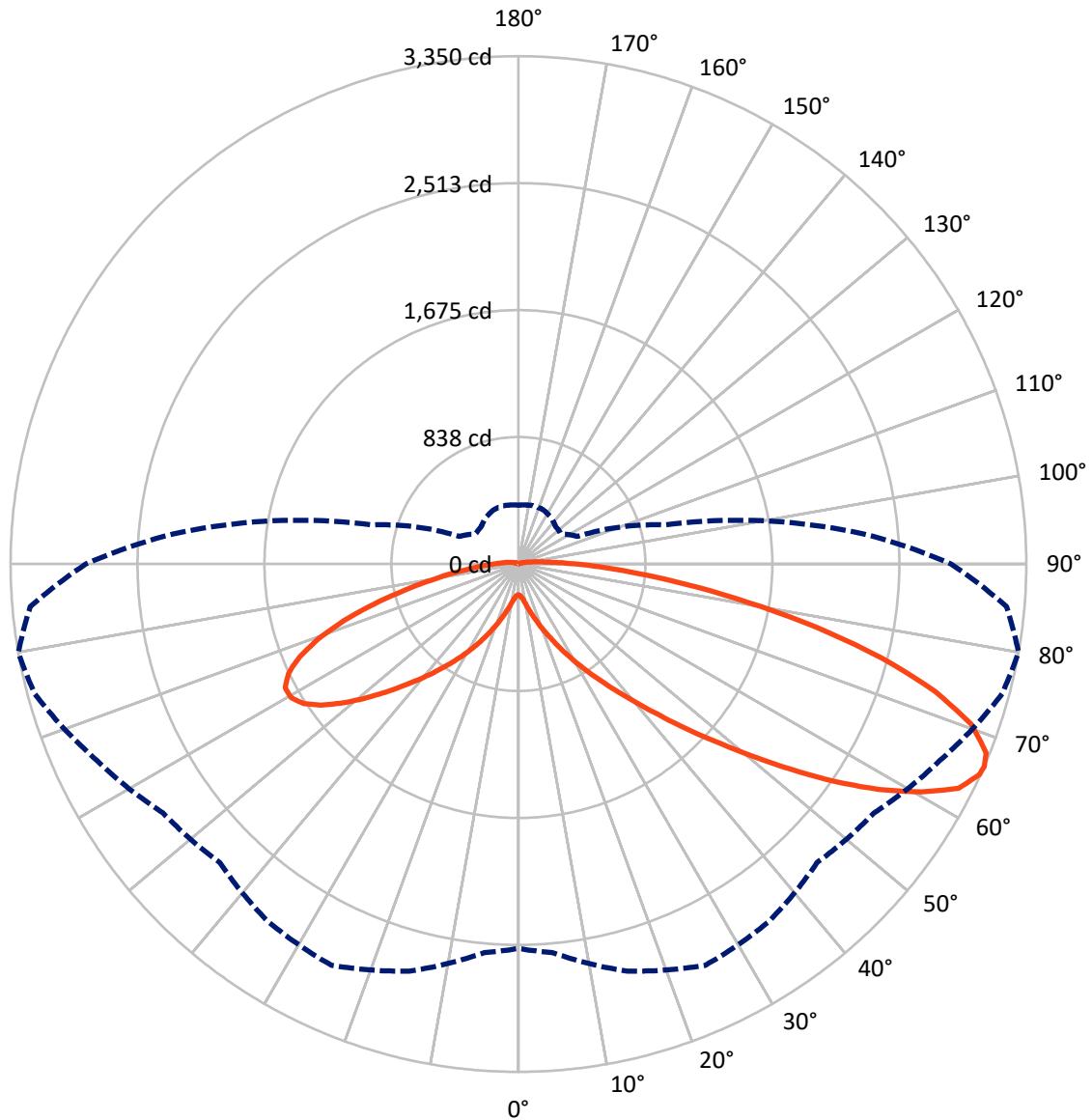
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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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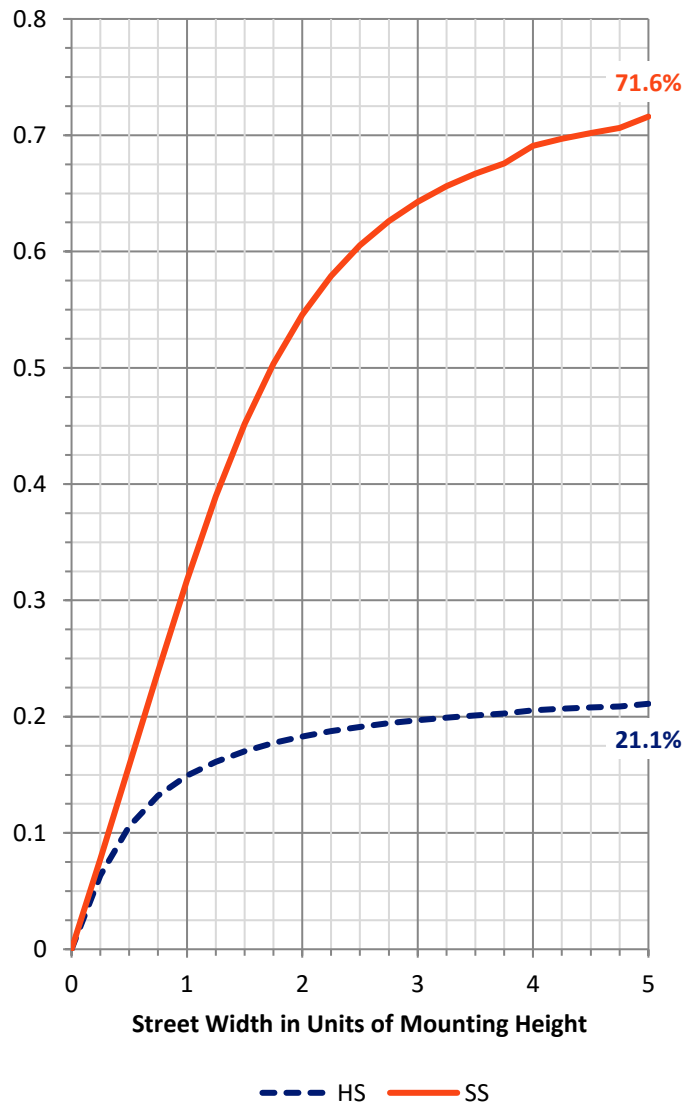
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1581.8	102.0	1683.8
	% Fixture	22.2	1.4	23.6
Street Side	Lumens	5312.6	136.6	5449.2
	% Fixture	74.5	1.9	76.4
Total	Lumens	6894.5	238.6	7133.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.3
10°-20°	96.8	1.4
20°-30°	247.2	3.5
30°-40°	489.2	6.9
40°-50°	848.0	11.9
50°-60°	1352.2	19.0
60°-70°	1757.9	24.6
70°-80°	1453.9	20.4
80°-90°	627.3	8.8
90°-100°	163.6	2.3
100°-110°	48.2	0.7
110°-120°	18.0	0.3
120°-130°	6.2	0.1
130°-140°	2.0	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6894.5	96.7
0°-180°	7133.0	100.0

Coefficient of Utilization



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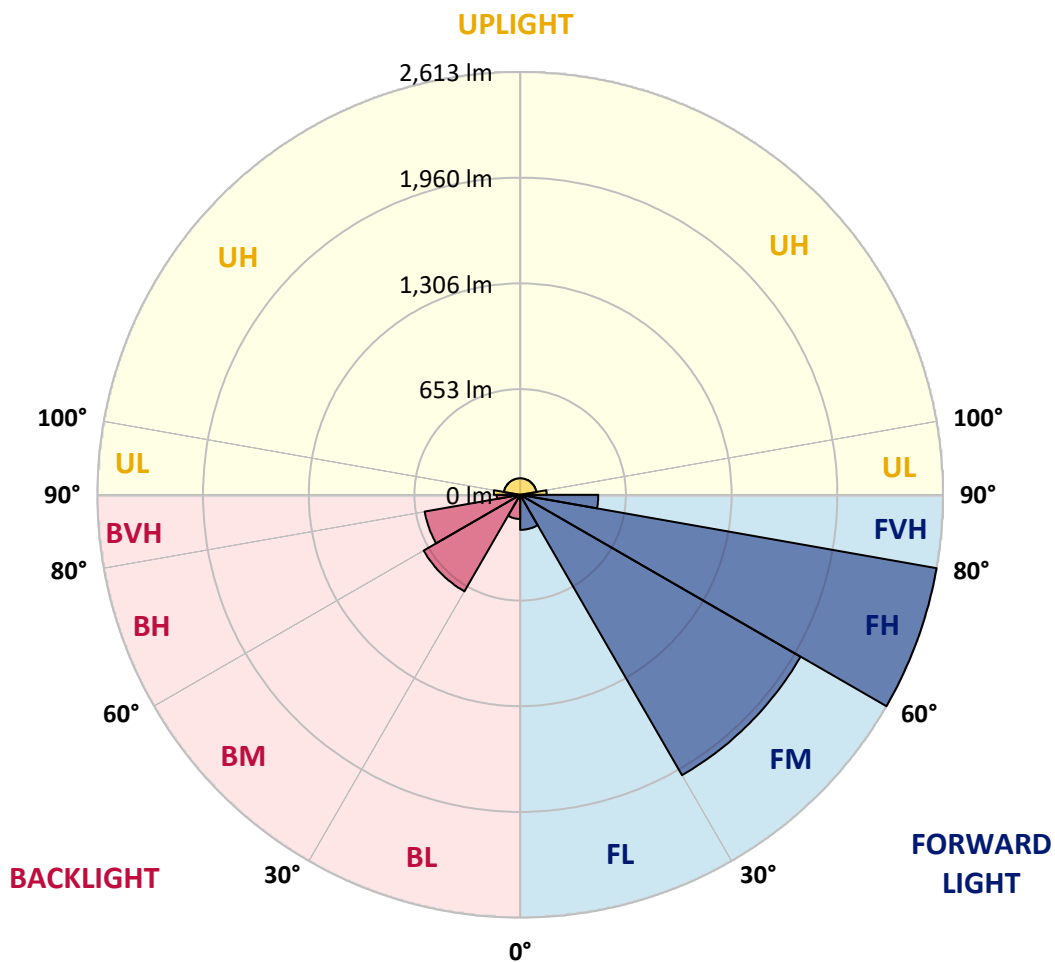
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.7	3.0			
FM	(30°-60°)	2000.4	28.0			
FH	(60°-80°)	2612.8	36.6			G2/5000
FVH	(80°-90°)	482.7	6.8			G3/500
BL	(0°-30°)	149.3	2.1	B1/500		
BM	(30°-60°)	689.0	9.7	B1/1000		
BH	(60°-80°)	599.1	8.4	B2/1000		G2/1000
BVH	(80°-90°)	144.5	2.0			G2/225
UL	(90°-100°)	163.6	2.3		U3/500	
UH	(100°-180°)	102.0	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°	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1
2.5°	218.6	217.8	218.6	218.6	217.8	216.9	214.3	212.6	210.0	208.3	207.5
5°	236.6	235.8	235.8	235.8	234.9	233.1	229.8	226.3	222.9	220.3	219.4
7.5°	262.3	259.7	259.7	258.9	257.2	254.6	250.3	246.9	243.5	239.2	237.4
10°	297.5	295.7	293.2	291.4	287.1	284.6	279.5	275.2	272.6	269.1	265.8
12.5°	339.5	342.1	340.3	333.5	328.4	324.1	317.2	314.7	312.0	307.8	305.1
15°	394.3	396.1	391.8	384.9	376.3	371.2	364.4	358.3	356.6	351.5	348.0
17.5°	457.0	460.3	453.5	443.2	432.1	420.0	414.9	408.9	406.3	401.2	397.7
20°	531.5	534.9	525.5	510.0	493.8	476.6	470.7	463.8	462.9	457.8	455.2
22.5°	619.0	621.5	606.9	584.6	561.5	539.2	529.8	522.9	523.8	519.5	518.6
25°	720.1	721.0	700.4	671.3	636.1	606.1	593.2	589.8	593.2	590.7	588.9
27.5°	834.1	833.3	814.4	769.0	715.9	674.6	659.2	660.1	667.8	669.5	669.5
30°	960.1	963.6	931.8	872.7	803.2	746.7	730.4	733.9	756.1	756.1	756.1
32.5°	1106.7	1105.9	1069.9	984.2	897.5	828.1	806.7	810.1	837.6	850.4	846.1
35°	1270.5	1268.8	1224.2	1114.4	1000.4	914.7	885.6	901.8	939.6	954.1	950.7
37.5°	1446.2	1446.2	1393.9	1259.4	1112.8	1009.0	977.3	995.3	1048.4	1072.5	1059.6
40°	1626.3	1627.1	1565.4	1423.0	1240.4	1111.8	1075.8	1107.5	1182.2	1205.3	1196.8
42.5°	1806.2	1801.1	1743.7	1585.1	1377.6	1227.6	1183.9	1237.1	1327.9	1360.5	1348.5
45°	1988.0	1984.6	1932.3	1755.7	1527.7	1352.8	1307.3	1375.9	1494.2	1546.5	1534.5
47.5°	2163.7	2163.7	2114.8	1927.1	1690.5	1495.0	1453.9	1538.8	1688.8	1746.3	1748.8
50°	2329.2	2331.8	2289.8	2114.8	1856.9	1652.0	1616.0	1726.5	1922.0	1984.6	1988.8
52.5°	2483.5	2490.4	2463.0	2310.3	2042.8	1826.9	1801.1	1926.3	2155.2	2246.9	2258.1
55°	2620.7	2623.3	2619.8	2492.1	2234.0	2010.3	2001.7	2151.8	2432.9	2531.5	2531.5
57.5°	2716.7	2732.1	2763.8	2660.1	2432.9	2210.9	2209.2	2385.8	2687.5	2805.0	2798.1
60°	2760.4	2777.5	2858.1	2810.1	2617.2	2412.3	2430.3	2630.1	2958.5	3052.7	3046.8
62.5°	2733.0	2755.2	2886.5	2910.4	2763.8	2600.1	2634.4	2849.5	3148.7	3259.3	3192.4
65°	2606.1	2638.7	2822.1	2932.7	2860.7	2743.2	2808.4	3021.9	3279.1	3344.2	3243.1
66°	2536.6	2572.6	2780.1	2919.8	2879.6	2785.3	2862.4	3067.3	3303.9	3350.2	3232.7
67.5°	2420.9	2450.1	2687.5	2873.6	2888.1	2841.9	2926.8	3111.9	3297.1	3328.0	3177.1
70°	2150.9	2186.9	2449.3	2729.5	2844.4	2877.9	2971.3	3106.7	3213.1	3170.2	2969.6
72.5°	1822.6	1879.2	2139.7	2481.8	2706.4	2823.0	2925.0	2994.5	2990.2	2873.6	2634.4
75°	1451.4	1486.6	1762.5	2132.9	2447.5	2664.4	2766.4	2754.4	2647.3	2472.4	2204.0
77.5°	1083.6	1118.7	1363.9	1729.1	2089.2	2363.5	2456.1	2403.8	2204.9	2011.1	1751.4
80°	763.0	793.8	998.7	1339.9	1688.0	1970.8	2048.0	1973.5	1730.0	1537.9	1316.7
82.5°	520.4	534.1	705.5	1001.3	1315.9	1556.8	1631.4	1535.3	1303.0	1120.4	948.2
85°	319.8	339.5	479.3	713.2	967.8	1153.1	1211.3	1135.9	936.1	790.4	653.3
87.5°	186.9	198.0	296.7	480.9	696.1	847.8	877.8	807.5	642.1	534.9	433.7
90°	100.4	108.8	170.6	300.0	472.4	586.4	608.7	543.5	420.0	341.2	277.7
92.5°	59.1	64.3	102.0	180.9	302.6	385.8	401.2	348.9	264.0	218.6	181.8
95°	38.6	42.0	66.9	113.1	186.1	244.3	252.1	216.0	167.2	144.0	126.0
97.5°	28.3	30.0	48.0	77.1	117.4	150.1	156.0	133.7	110.6	99.4	90.0
100°	22.3	24.0	36.8	56.6	78.9	96.9	98.6	87.5	76.3	70.3	66.9
102.5°	18.8	19.7	30.0	44.6	59.1	68.5	69.5	61.7	54.0	50.5	49.7
105°	16.3	17.2	25.7	36.8	47.2	53.2	53.2	46.3	39.4	36.8	37.7
107.5°	13.7	14.5	21.5	30.9	39.4	43.7	42.9	36.0	29.2	26.6	27.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	12.0	12.9	18.8	26.6	34.3	36.8	35.2	28.3	20.6	18.8	19.7
112.5°	11.2	11.2	16.3	23.1	29.2	30.9	28.3	21.5	14.5	13.7	14.5
115°	9.4	10.3	13.7	19.7	24.0	25.7	23.1	16.3	10.3	10.3	11.2
117.5°	8.6	9.4	12.0	16.3	20.6	21.5	18.8	12.9	7.7	7.7	8.6
120°	7.7	7.7	10.3	13.7	17.2	17.2	14.5	9.4	6.0	6.0	6.9
122.5°	6.9	7.7	8.6	11.2	13.7	13.7	11.2	6.9	5.1	5.1	6.0
125°	6.0	6.9	7.7	9.4	11.2	11.2	8.6	5.1	4.3	5.1	5.1
127.5°	6.0	6.0	6.9	7.7	9.4	8.6	6.9	3.5	4.3	4.3	5.1
130°	5.1	5.1	6.0	6.0	6.9	6.9	5.1	3.5	3.5	4.3	4.3
132.5°	4.3	4.3	5.1	5.1	6.0	5.1	3.5	2.6	3.5	3.5	4.3
135°	3.5	3.5	3.5	4.3	4.3	3.5	2.6	2.6	3.5	3.5	3.5
137.5°	3.5	2.6	3.5	3.5	2.6	1.7	1.7	1.7	2.6	3.5	3.5
140°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	2.6	2.6	3.5
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.6	2.6
145°	0.0	0.0	0.8	0.8	0.0	0.0	0.8	0.8	1.7	1.7	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7	1.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1	204.1
2.5°	206.6	205.7	203.2	201.4	199.8	198.0	198.0	198.0	197.1	196.3	196.3
5°	217.8	216.0	212.6	209.2	204.9	201.4	199.8	198.9	197.1	195.5	195.5
7.5°	235.8	233.1	227.2	220.3	216.0	210.9	209.2	207.5	204.9	203.2	202.3
10°	263.2	258.9	249.5	240.9	232.3	225.5	222.9	221.2	219.4	219.4	219.4
12.5°	300.0	294.9	282.9	267.5	257.2	246.9	243.5	242.6	243.5	244.3	244.3
15°	342.9	334.3	318.9	298.3	283.8	272.6	269.1	269.1	270.9	271.8	271.8
17.5°	392.6	382.4	356.6	332.7	312.9	301.0	295.7	295.7	299.2	301.0	301.8
20°	444.9	433.7	404.7	366.0	341.2	327.4	321.5	322.3	326.6	330.9	331.7
22.5°	504.9	492.0	448.4	401.2	368.7	350.7	343.8	346.4	353.2	359.2	360.9
25°	573.5	557.2	499.8	438.9	393.5	369.5	364.4	369.5	379.7	387.5	388.3
27.5°	648.1	627.5	552.1	473.2	412.4	381.5	378.1	388.3	400.4	409.8	411.5
30°	731.2	705.5	606.9	503.2	426.9	390.9	387.5	401.2	415.7	426.9	428.6
32.5°	823.9	788.7	660.1	529.0	435.5	394.3	392.6	408.9	426.9	438.0	439.8
35°	924.1	877.8	716.7	549.5	438.9	393.5	392.6	411.5	430.4	441.5	442.3
37.5°	1035.5	979.0	770.7	565.0	438.0	390.1	390.1	409.8	427.8	438.0	438.0
40°	1164.2	1088.7	829.8	575.2	433.7	384.0	384.9	402.9	420.0	426.9	427.8
42.5°	1310.8	1215.6	883.8	579.5	425.2	377.2	377.2	395.2	408.9	412.4	412.4
45°	1478.8	1357.0	943.0	578.7	416.6	369.5	370.3	385.8	396.1	396.9	396.1
47.5°	1680.2	1520.8	998.7	575.2	404.7	361.8	364.4	378.1	385.8	384.9	384.0
50°	1901.5	1697.4	1053.5	567.5	394.3	356.6	360.1	372.9	379.7	377.2	375.5
52.5°	2140.6	1881.7	1102.4	555.5	383.2	352.3	358.3	371.2	377.2	372.9	372.9
55°	2388.4	2064.3	1141.0	537.5	373.8	349.7	359.2	371.2	378.1	373.8	373.8
57.5°	2612.9	2221.1	1159.0	516.9	366.0	348.9	360.9	375.5	381.5	378.1	378.1
60°	2789.6	2330.9	1147.0	493.0	358.3	348.0	364.4	380.6	387.5	383.2	383.2
62.5°	2895.0	2379.8	1104.2	467.2	352.3	348.9	369.5	388.3	393.5	388.3	386.7
65°	2890.8	2329.2	1032.2	439.8	346.4	348.9	372.9	392.6	396.9	390.9	388.3
66°	2853.0	2285.5	995.3	429.5	344.6	348.0	373.8	392.6	397.7	390.9	388.3
67.5°	2781.8	2195.5	934.5	413.2	340.3	347.2	374.6	393.5	396.9	390.9	387.5
70°	2557.3	1995.7	820.4	385.8	332.7	342.9	372.0	390.9	393.5	388.3	384.9
72.5°	2221.1	1712.0	704.7	358.3	322.3	333.5	365.2	382.4	386.7	381.5	378.1
75°	1825.1	1388.8	588.9	331.7	306.9	319.8	351.5	368.7	373.8	369.5	365.2
77.5°	1418.7	1063.1	478.3	306.1	288.9	302.6	332.7	348.0	353.2	348.0	345.5
80°	1052.7	786.1	384.0	278.7	268.3	281.2	309.4	323.2	328.4	322.3	320.6
82.5°	755.2	570.1	306.1	248.6	243.5	255.4	281.2	293.2	297.5	294.0	288.1
85°	504.9	392.6	241.7	216.0	216.9	228.0	249.5	257.2	262.3	258.9	253.8
87.5°	342.1	269.1	191.2	183.4	186.1	193.7	213.5	219.4	222.9	218.6	217.8
90°	222.9	186.1	151.7	155.2	158.6	164.6	176.6	179.1	183.4	179.1	178.3
92.5°	151.7	136.3	123.5	129.4	133.7	138.0	144.8	146.6	150.1	146.6	144.8
95°	111.4	105.5	100.4	108.0	112.3	114.9	119.2	118.3	120.9	117.4	115.7
97.5°	84.9	81.4	82.3	89.2	93.4	95.1	96.9	95.1	96.1	92.6	90.8
100°	66.0	64.3	66.9	73.8	77.1	77.1	78.1	76.3	74.6	71.2	68.5
102.5°	50.5	50.5	54.0	60.9	63.4	63.4	62.6	60.0	57.4	54.0	54.0
105°	38.6	39.4	44.6	50.5	52.3	51.5	51.5	48.0	44.6	40.3	40.3
107.5°	29.2	30.0	35.2	41.1	42.9	42.9	41.1	37.7	33.5	30.0	30.0



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CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.5	23.1	28.3	33.5	35.2	34.3	33.5	29.2	24.9	22.3	21.5
112.5°	16.3	17.2	22.3	26.6	28.3	28.3	26.6	22.3	18.0	16.3	16.3
115°	12.0	13.7	17.2	21.5	22.3	22.3	20.6	17.2	12.9	11.2	12.0
117.5°	9.4	10.3	13.7	17.2	17.2	17.2	15.4	12.0	9.4	8.6	8.6
120°	7.7	8.6	10.3	12.9	12.9	12.9	11.2	8.6	6.9	6.0	6.9
122.5°	6.0	6.9	7.7	9.4	9.4	9.4	8.6	6.0	4.3	4.3	5.1
125°	6.0	6.0	6.0	6.9	6.9	6.9	6.0	4.3	3.5	3.5	3.5
127.5°	5.1	5.1	5.1	5.1	5.1	4.3	3.5	2.6	1.7	2.6	2.6
130°	5.1	5.1	4.3	4.3	3.5	2.6	1.7	0.8	0.8	1.7	1.7
132.5°	4.3	4.3	4.3	3.5	2.6	1.7	0.8	0.0	0.0	0.8	0.8
135°	4.3	4.3	3.5	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0
137.5°	3.5	3.5	3.5	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.5	3.5	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)