

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: P255223

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)
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-SL3-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5800.5 lumens
Efficiency: N/A
Efficacy: 90.6 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: B1 - 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

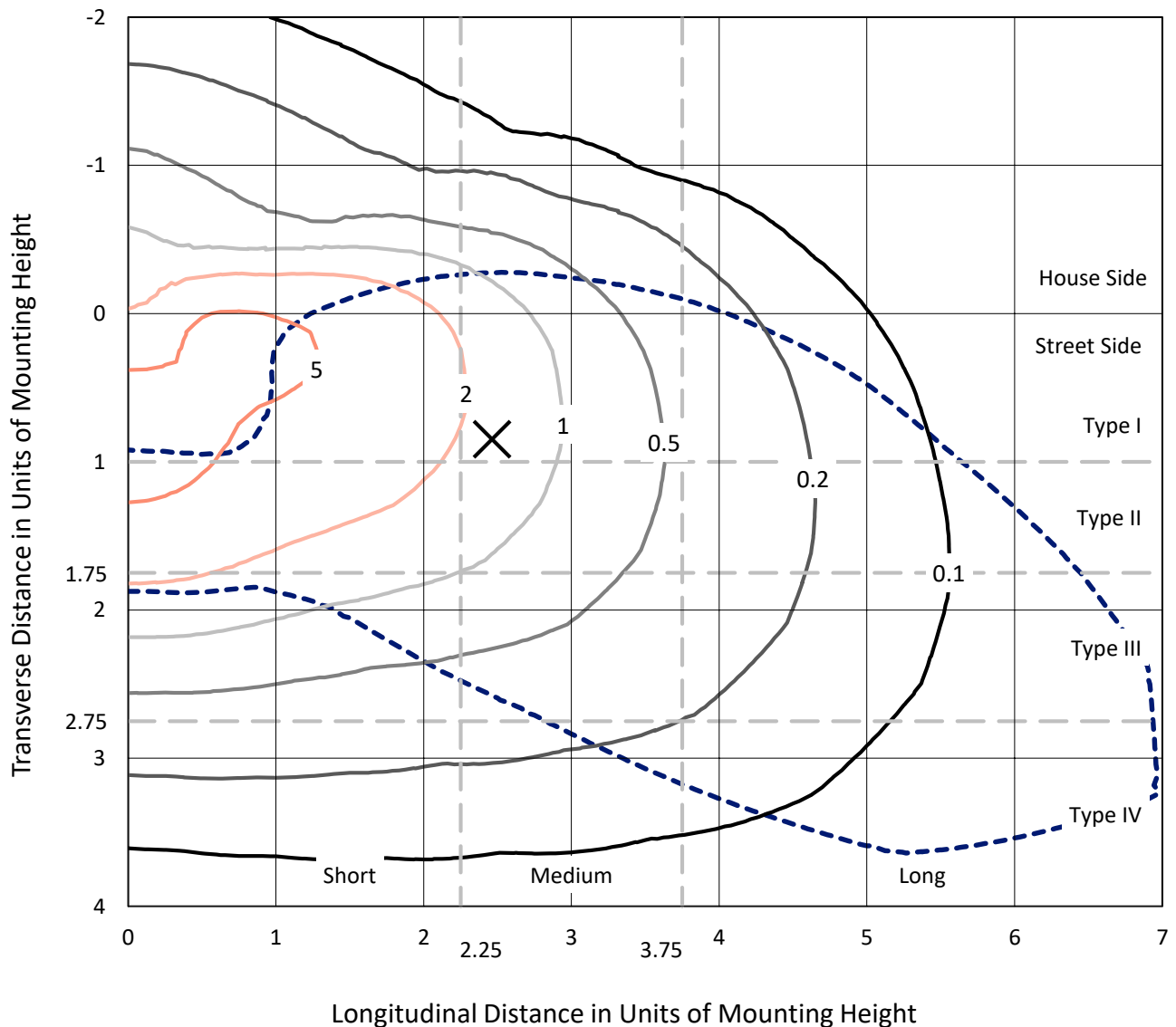


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

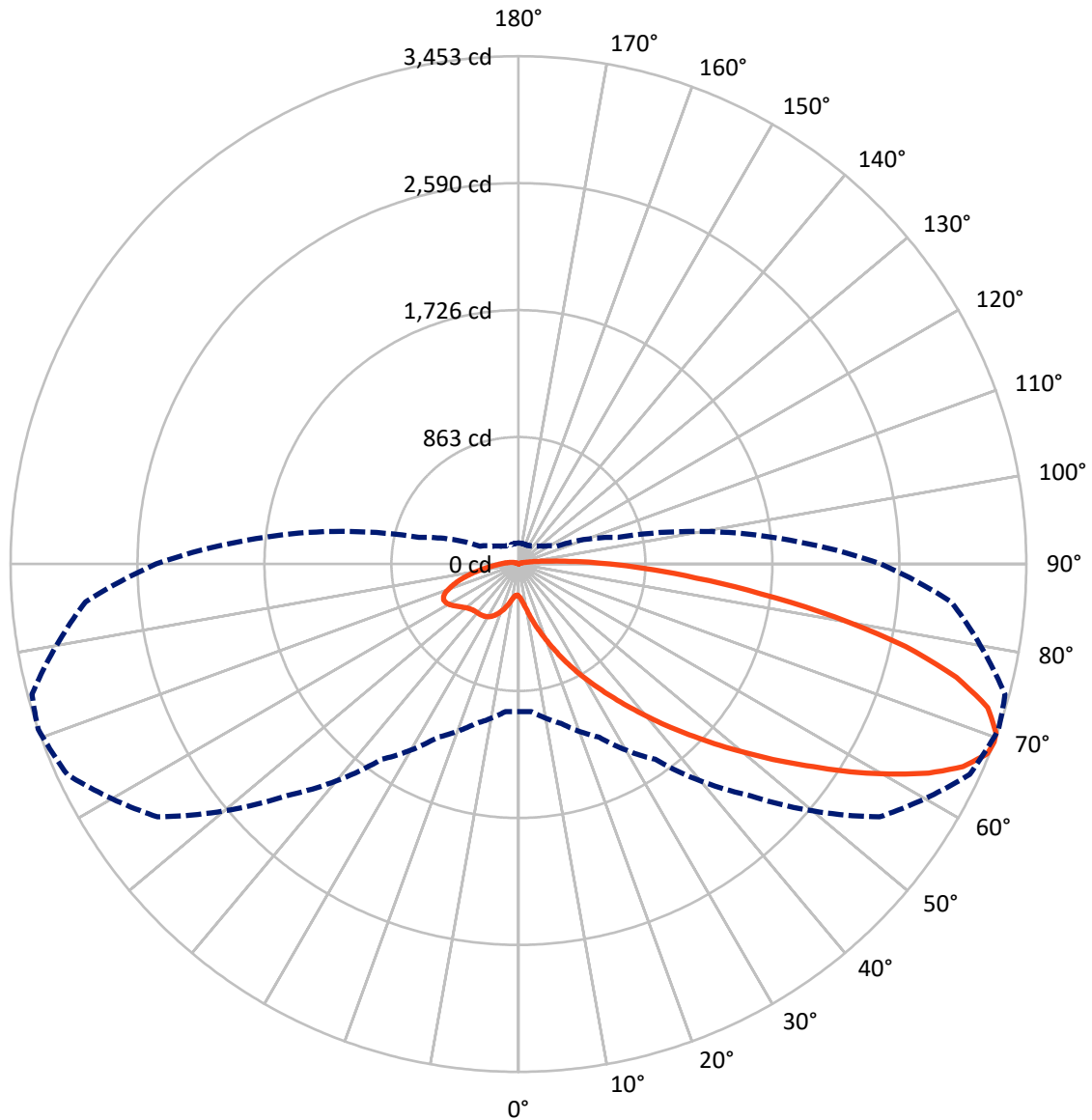


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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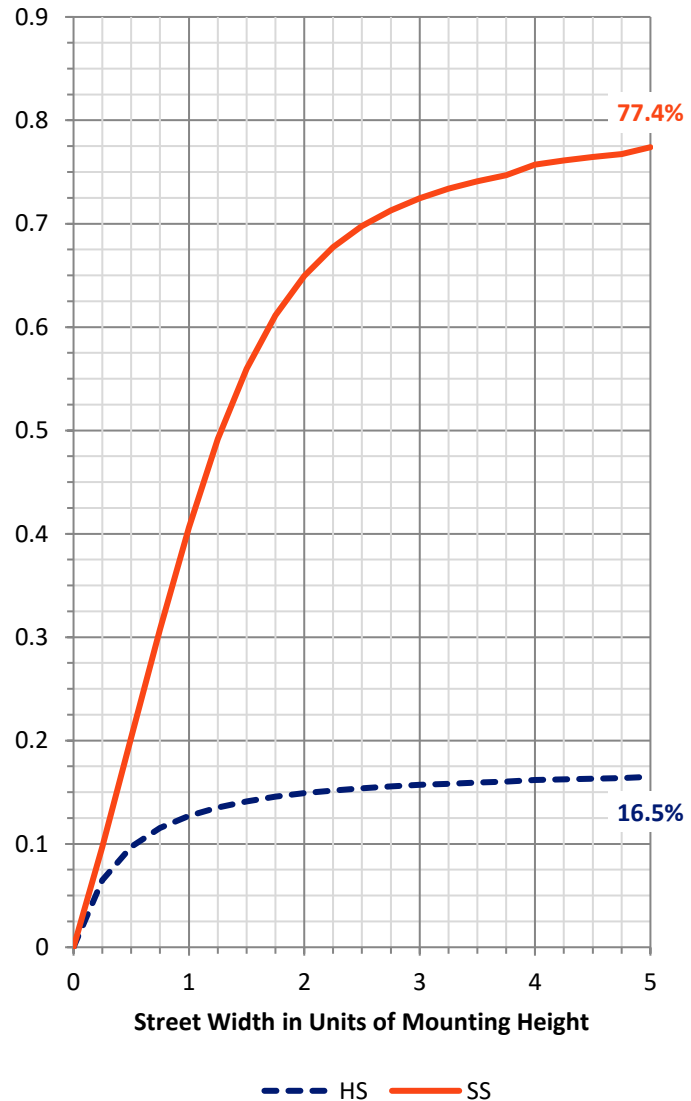
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.5	74.1	1070.6
	% Fixture	17.2	1.3	18.5
Street Side	Lumens	4615.4	114.6	4729.9
	% Fixture	79.6	2.0	81.5
Total	Lumens	5611.9	188.7	5800.5
	% Fixture	96.7	3.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.4
10°-20°	94.4	1.6
20°-30°	228.2	3.9
30°-40°	444.2	7.7
40°-50°	760.2	13.1
50°-60°	1134.4	19.6
60°-70°	1364.2	23.5
70°-80°	1091.6	18.8
80°-90°	471.9	8.1
90°-100°	126.8	2.2
100°-110°	38.9	0.7
110°-120°	14.8	0.3
120°-130°	5.4	0.1
130°-140°	2.0	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5611.9	96.7
0°-180°	5800.5	100.0



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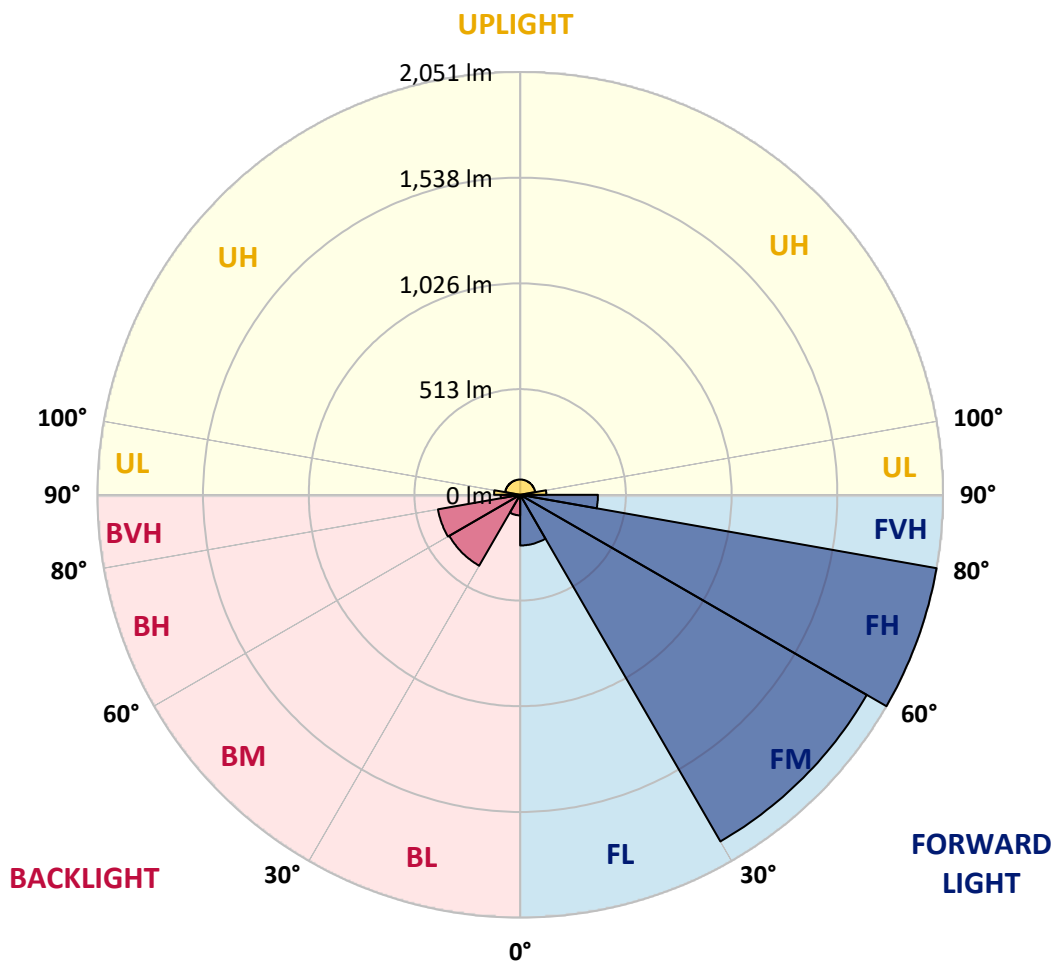
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.7	4.2			
FM	(30°-60°)	1941.4	33.5			
FH	(60°-80°)	2051.1	35.4			G2/5000
FVH	(80°-90°)	377.2	6.5			G3/500
BL	(0°-30°)	99.7	1.7	B0/110		
BM	(30°-60°)	397.5	6.9	B1/1000		
BH	(60°-80°)	404.7	7.0	B1/500		G1/500
BVH	(80°-90°)	94.7	1.6			G1/100
UL	(90°-100°)	126.8	2.2		U3/500	
UH	(100°-180°)	74.1	1.3		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5
2.5°	246.5	246.5	245.8	246.5	242.9	241.5	237.1	232.7	229.9	229.1	222.7
5°	275.4	275.4	274.7	274.7	270.3	267.4	261.6	254.5	250.9	247.9	237.1
7.5°	308.6	307.9	307.2	307.9	304.3	297.8	292.7	283.3	279.7	273.9	260.2
10°	349.1	347.7	348.4	346.3	340.5	337.5	332.4	322.4	318.1	313.7	297.8
12.5°	398.2	398.2	396.8	392.5	386.7	385.2	383.1	377.3	371.5	365.7	343.3
15°	453.2	451.8	449.6	443.8	438.7	435.8	438.7	435.1	430.8	423.6	397.4
17.5°	516.0	513.2	509.5	502.4	494.4	495.8	498.8	495.8	490.0	487.9	456.8
20°	585.4	584.7	577.6	565.2	558.0	553.6	561.6	565.2	560.2	558.0	522.6
22.5°	667.9	662.7	653.4	638.2	625.2	618.0	626.6	639.7	638.2	635.4	597.7
25°	763.9	756.1	746.7	719.9	698.1	685.9	698.1	716.3	723.6	720.6	676.6
27.5°	871.7	860.9	845.6	814.5	779.1	754.6	771.9	795.7	813.9	815.3	761.9
30°	988.8	979.4	959.2	913.6	863.7	833.3	847.1	883.3	908.5	910.0	851.4
32.5°	1122.5	1112.4	1072.0	1023.4	959.2	917.2	931.0	978.0	1008.3	1018.4	949.0
35°	1266.4	1255.5	1221.5	1145.6	1062.5	1008.3	1023.4	1082.0	1119.0	1134.0	1053.1
37.5°	1419.6	1401.5	1362.5	1277.9	1184.0	1114.6	1121.8	1190.4	1241.0	1260.6	1169.5
40°	1569.2	1562.0	1509.2	1410.2	1296.7	1221.5	1228.0	1308.3	1371.9	1394.2	1293.7
42.5°	1722.4	1705.7	1656.0	1541.0	1415.9	1334.3	1350.1	1440.5	1518.6	1543.2	1423.8
45°	1868.5	1853.9	1790.3	1668.2	1538.1	1456.4	1478.9	1590.9	1671.7	1704.3	1572.0
47.5°	2000.6	1981.9	1917.5	1785.3	1658.1	1585.1	1614.0	1746.9	1841.7	1879.3	1738.4
50°	2096.0	2081.0	2015.2	1885.7	1768.0	1720.2	1773.8	1916.9	2023.8	2074.4	1919.0
52.5°	2137.9	2130.8	2067.8	1951.5	1863.3	1854.6	1953.0	2099.8	2221.1	2276.1	2112.0
55°	2122.8	2112.0	2076.6	1983.3	1936.3	1985.5	2140.9	2308.5	2432.8	2492.2	2319.5
57.5°	2036.8	2029.6	2026.6	1968.2	1979.0	2110.6	2326.6	2542.8	2665.0	2712.6	2526.8
60°	1890.8	1886.5	1916.1	1913.2	1989.8	2212.5	2522.6	2790.7	2899.0	2954.1	2730.0
62.5°	1673.2	1683.3	1751.3	1809.9	1954.4	2280.3	2701.8	3016.8	3130.4	3170.1	2887.5
65°	1418.8	1436.9	1528.0	1647.2	1872.7	2308.5	2863.6	3213.6	3321.9	3336.3	2988.0
67.5°	1136.2	1165.1	1273.5	1439.1	1732.6	2282.5	2965.7	3345.7	3439.7	3421.7	2996.7
69°	1003.2	1006.9	1121.8	1299.5	1621.2	2226.9	2996.7	3384.9	3452.7	3424.5	2954.1
70°	905.6	911.4	1025.0	1208.5	1538.8	2172.7	2996.0	3394.2	3445.5	3401.5	2912.9
72.5°	670.8	692.3	805.1	994.6	1327.1	1985.5	2899.0	3342.1	3337.1	3257.6	2692.3
75°	487.2	505.3	613.6	800.9	1117.4	1739.0	2661.3	3126.8	3076.8	2975.0	2355.5
77.5°	347.7	352.7	448.8	629.6	922.2	1455.7	2297.7	2742.3	2690.2	2537.6	1929.1
80°	234.9	239.3	318.1	476.4	742.3	1196.2	1891.5	2247.9	2178.5	2013.0	1464.4
82.5°	151.8	159.7	221.9	349.8	581.1	964.9	1494.0	1741.1	1661.8	1513.6	1077.0
85°	106.2	108.3	153.9	252.9	436.6	746.7	1134.7	1296.0	1213.6	1091.4	751.7
87.5°	70.8	72.9	108.3	183.5	318.1	546.4	824.7	919.4	848.5	750.3	500.9
90°	44.8	48.4	75.2	130.8	229.1	381.7	570.3	615.7	565.2	485.0	310.9
92.5°	31.8	33.3	52.8	94.0	162.6	261.6	372.2	390.3	346.9	294.1	187.9
95°	21.7	23.2	38.4	67.2	117.1	176.4	237.1	237.7	203.1	173.5	119.3
97.5°	16.0	17.4	29.0	49.8	83.8	120.7	151.1	143.1	122.2	106.2	83.1
100°	13.0	13.7	23.2	38.4	60.7	85.3	99.0	89.6	78.7	70.8	60.7
102.5°	10.8	11.6	19.5	31.0	45.6	60.7	67.2	60.0	53.5	49.1	45.6
105°	9.4	10.2	16.6	26.0	36.8	44.8	47.7	42.6	39.0	36.2	34.0
107.5°	8.6	9.4	14.4	22.4	30.4	36.2	37.5	32.6	29.0	26.0	24.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	7.9	8.6	13.0	19.5	26.0	30.4	29.6	25.3	21.0	18.0	18.0
112.5°	7.2	7.9	11.6	17.4	22.4	25.3	24.6	18.8	15.2	13.0	13.0
115°	6.5	7.2	10.2	15.2	19.5	21.0	19.5	14.4	10.8	8.6	10.2
117.5°	5.8	6.5	8.6	13.0	16.6	17.4	15.2	10.8	7.9	6.5	7.2
120°	5.8	5.8	7.9	10.8	13.7	14.4	12.2	7.9	5.8	5.0	5.8
122.5°	5.0	5.8	7.2	9.4	11.6	11.6	9.4	5.8	4.4	4.4	5.0
125°	5.0	5.0	5.8	7.9	9.4	9.4	7.2	4.4	3.6	4.4	5.0
127.5°	4.4	5.0	5.8	7.2	7.9	7.9	5.8	3.6	3.6	3.6	4.4
130°	4.4	4.4	5.0	5.8	6.5	5.8	4.4	2.8	2.8	3.6	4.4
132.5°	4.4	4.4	4.4	5.0	5.8	4.4	2.8	2.8	2.8	2.8	4.4
135°	3.6	3.6	3.6	4.4	4.4	2.8	2.1	2.1	2.8	2.8	3.6
137.5°	2.8	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.1	2.8	3.6
140°	2.1	2.1	2.1	2.1	2.1	0.8	1.4	1.4	2.1	2.1	2.8
142.5°	1.4	1.4	1.4	2.1	1.4	0.8	0.8	1.4	2.1	2.1	2.8
145°	0.8	0.8	1.4	1.4	0.8	0.0	0.8	1.4	1.4	2.1	2.1
147.5°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1.4	1.4	2.1
150°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.8	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5	217.5
2.5°	220.4	218.3	213.3	208.1	203.1	199.5	196.5	195.9	193.7	191.5	192.3
5°	232.0	226.9	218.3	207.5	197.3	188.7	182.1	176.4	172.7	168.4	169.2
7.5°	252.9	245.1	229.9	211.8	195.1	181.4	168.4	161.1	155.3	152.5	151.8
10°	284.7	273.9	248.7	222.7	197.3	177.1	161.1	151.8	146.0	142.4	142.4
12.5°	329.6	313.7	277.5	240.0	205.3	177.8	159.0	149.5	143.7	141.7	141.7
15°	378.7	357.9	309.3	258.1	213.3	180.0	159.7	149.5	144.5	142.4	141.7
17.5°	433.6	405.5	340.5	273.2	219.7	184.3	160.5	149.5	144.5	143.1	142.4
20°	493.0	457.6	372.2	287.7	224.7	185.0	159.7	148.9	145.4	144.5	144.5
22.5°	559.4	513.2	402.6	299.9	227.7	182.9	157.6	148.1	146.0	146.7	146.7
25°	628.8	571.0	431.5	307.2	224.7	177.8	155.3	148.1	147.5	149.5	149.5
27.5°	702.5	628.8	456.8	312.3	218.9	170.6	151.8	148.1	148.9	151.8	151.8
30°	779.9	688.2	478.4	311.5	211.8	164.8	149.5	147.5	150.3	154.7	154.7
32.5°	861.5	749.5	496.6	307.2	203.1	160.5	147.5	148.1	152.5	157.6	158.3
35°	945.4	807.3	511.0	298.5	195.1	156.9	147.5	149.5	154.7	160.5	161.1
37.5°	1038.6	872.4	524.0	290.5	189.3	155.3	148.1	150.3	156.1	162.6	164.1
40°	1139.1	943.2	533.4	280.5	185.0	156.1	149.5	151.8	156.9	164.1	165.5
42.5°	1246.1	1015.6	543.6	272.5	181.4	156.9	151.8	152.5	157.6	165.5	166.9
45°	1367.5	1096.4	555.1	265.3	180.8	159.7	153.2	152.5	156.9	166.9	167.7
47.5°	1506.2	1197.7	572.4	260.2	180.8	161.9	154.7	152.5	156.1	166.9	168.4
50°	1658.1	1303.9	593.4	258.7	182.9	164.8	156.1	152.5	155.3	164.1	165.5
52.5°	1819.2	1423.8	621.5	259.5	185.7	166.9	157.6	151.8	153.2	159.7	160.5
55°	1998.5	1551.8	653.4	263.9	190.1	169.9	158.3	150.3	150.3	154.7	154.7
57.5°	2174.2	1684.8	688.2	268.9	195.9	172.7	158.3	148.9	148.1	151.1	151.1
60°	2336.7	1796.1	722.1	275.4	200.9	174.2	157.6	147.5	146.0	148.1	148.9
62.5°	2472.6	1886.5	743.1	282.7	205.3	175.0	156.1	146.0	144.5	146.7	146.7
65°	2532.0	1929.8	747.4	287.7	209.6	174.2	153.9	143.7	143.1	144.5	145.4
67.5°	2521.8	1905.3	726.3	288.5	211.1	173.5	151.8	141.7	141.7	143.1	143.1
69°	2464.1	1852.5	699.7	287.0	211.1	171.3	149.5	140.2	141.0	142.4	142.4
70°	2409.0	1796.1	673.6	283.3	210.4	169.9	147.5	138.8	140.2	141.7	141.7
72.5°	2198.0	1611.8	605.0	271.7	204.6	164.8	143.1	134.4	137.3	140.2	139.6
75°	1892.3	1366.9	524.0	253.7	195.1	157.6	137.3	129.4	133.8	137.3	136.6
77.5°	1523.0	1092.8	439.4	232.7	183.5	148.1	130.1	123.6	128.7	133.0	132.3
80°	1158.5	839.1	357.1	209.6	168.4	138.1	122.2	116.4	122.9	126.5	125.7
82.5°	847.1	613.6	280.5	186.5	153.9	127.2	112.7	108.3	114.9	118.5	117.1
85°	587.6	428.7	216.9	161.1	138.1	114.9	102.6	99.8	105.6	108.3	107.0
87.5°	388.1	289.1	167.7	139.6	122.9	103.4	93.2	90.3	96.1	97.6	96.8
90°	246.5	193.7	133.0	119.9	108.3	91.8	83.1	81.7	86.0	86.8	84.5
92.5°	157.6	133.0	107.7	103.4	94.7	81.7	74.4	72.3	75.9	75.9	73.8
95°	109.2	99.0	88.2	88.9	82.4	71.6	65.0	64.4	65.8	64.4	63.6
97.5°	78.7	75.2	72.9	75.9	71.6	62.2	57.2	55.6	56.4	54.2	53.5
100°	60.0	59.2	60.7	63.6	60.7	53.5	49.1	48.4	47.7	44.1	44.1
102.5°	46.2	46.2	49.8	54.2	51.4	45.6	42.6	41.2	39.0	35.4	34.8
105°	35.4	36.2	41.2	44.8	43.3	38.4	36.2	34.0	31.0	27.5	27.5
107.5°	26.8	28.2	33.3	36.8	35.4	31.8	29.6	27.5	24.6	21.0	21.7



REPORT NUMBER: P255223

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	21.7	26.8	29.6	29.0	26.8	24.6	22.4	18.8	16.0	16.6
112.5°	15.2	16.6	21.0	23.8	23.8	21.7	19.5	17.4	13.7	12.2	12.2
115°	11.6	13.0	16.6	18.8	18.8	16.6	15.2	13.0	10.2	9.4	9.4
117.5°	8.6	10.2	13.0	15.2	14.4	13.0	11.6	10.2	7.9	7.2	7.2
120°	7.2	7.9	10.2	11.6	10.8	10.2	8.6	7.2	5.8	5.8	5.8
122.5°	5.8	6.5	7.9	8.6	7.9	7.2	6.5	5.0	4.4	4.4	4.4
125°	5.0	5.8	6.5	6.5	5.8	5.0	4.4	3.6	2.8	3.6	3.6
127.5°	5.0	5.0	5.8	5.0	4.4	3.6	2.8	2.1	2.1	2.8	2.8
130°	4.4	5.0	5.0	4.4	3.6	2.1	2.1	1.4	1.4	2.1	2.1
132.5°	4.4	4.4	4.4	3.6	2.8	1.4	0.8	0.8	1.4	1.4	1.4
135°	3.6	4.4	3.6	2.8	2.1	1.4	0.0	0.8	0.8	0.8	0.8
137.5°	3.6	3.6	3.6	2.8	1.4	0.8	0.0	0.0	0.8	0.0	0.0
140°	2.8	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	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)