

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: P254413

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254413
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-AF24-60-D-U-SL3-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 5775.4 lumens
Efficiency: N/A
Efficacy: 90.2 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

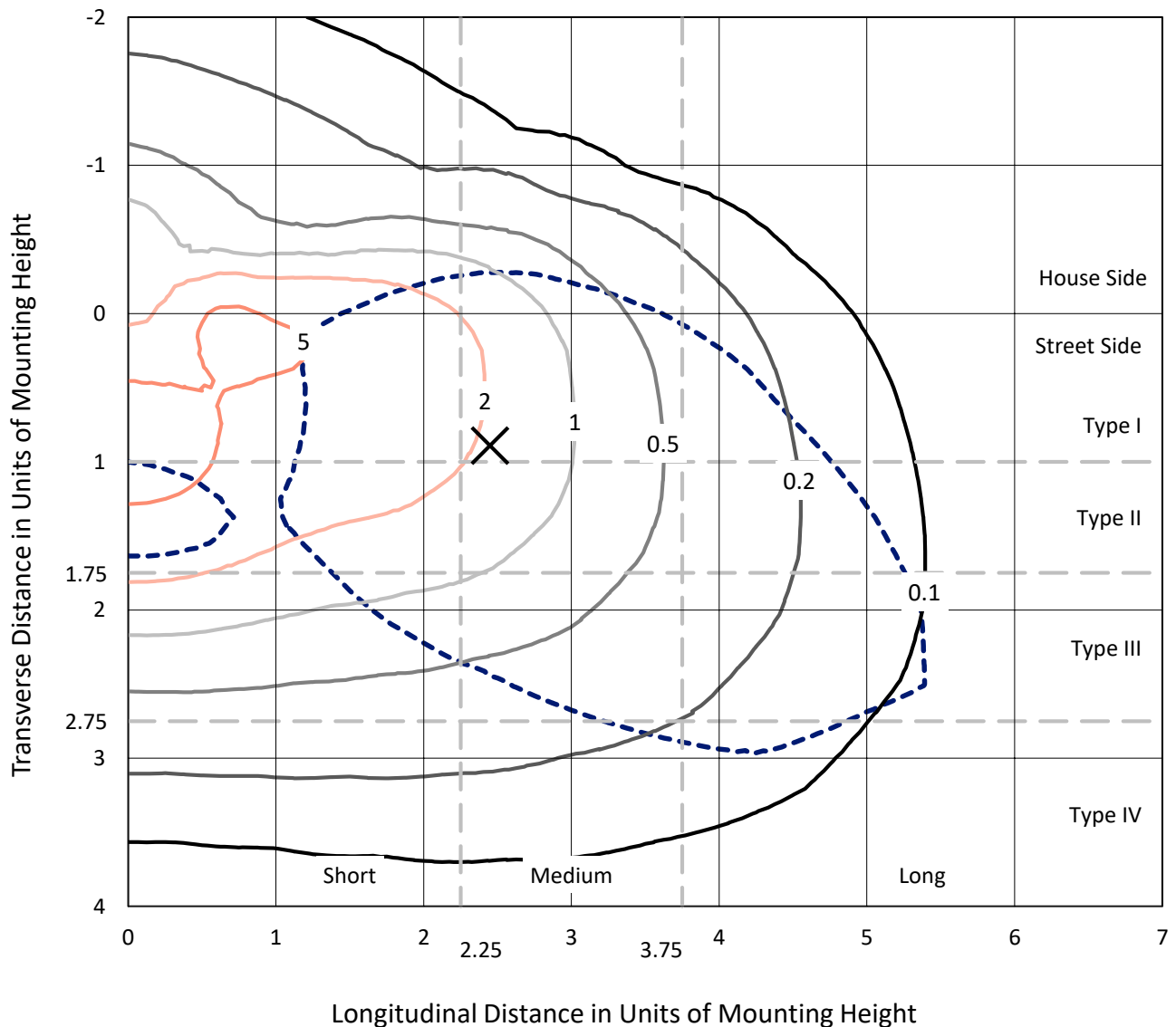


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

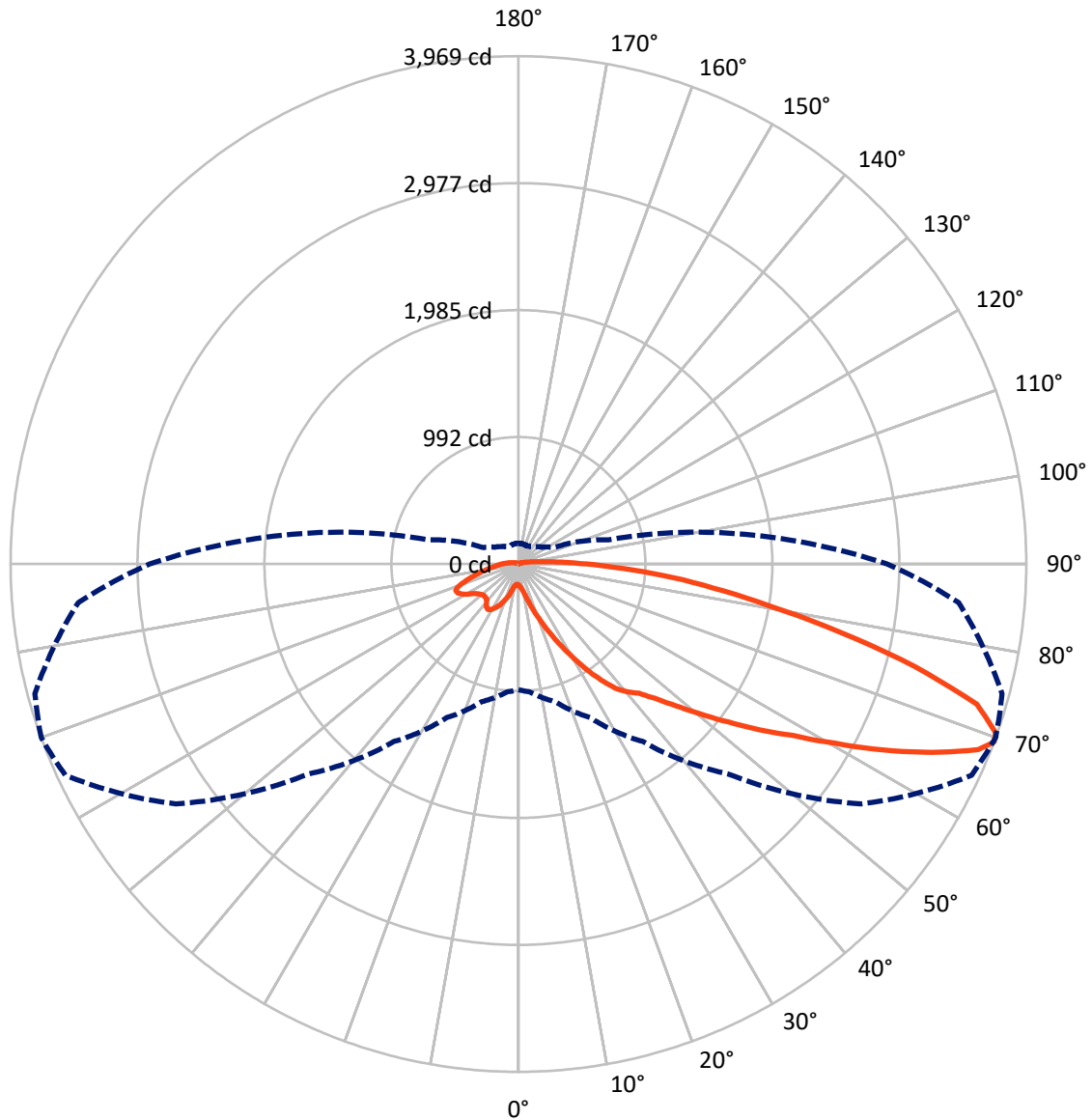


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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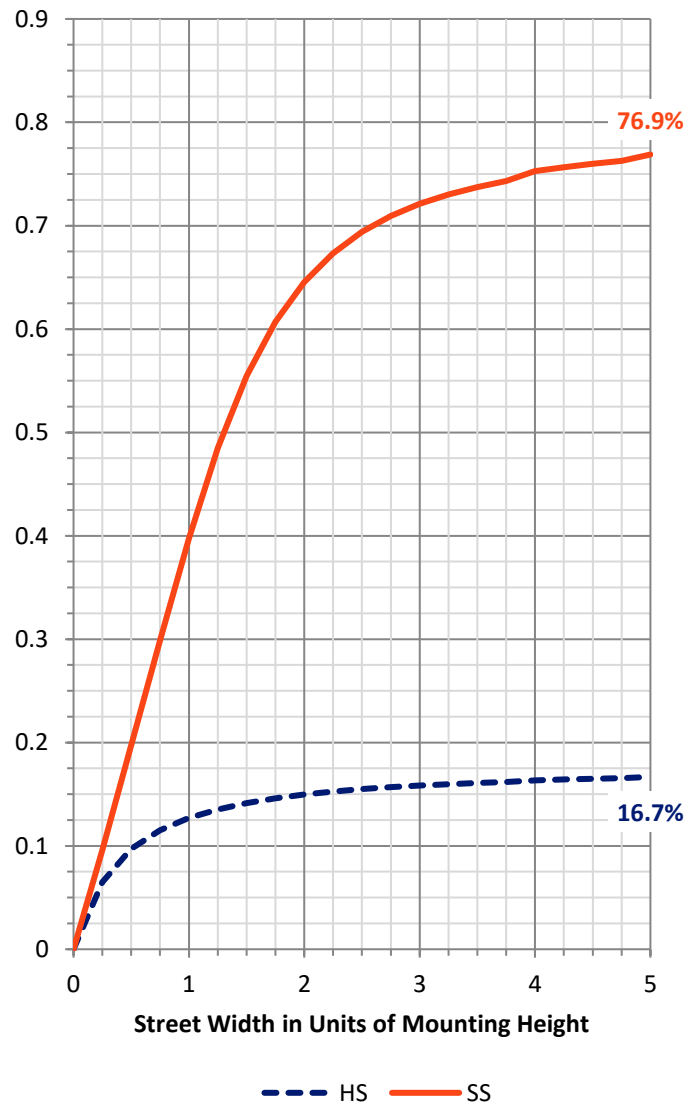
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1004.6	79.3	1083.9
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	4560.9	130.7	4691.5
	% Fixture	79.0	2.3	81.2
Total	Lumens	5565.5	210.0	5775.4
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.3
10°-20°	74.2	1.3
20°-30°	206.3	3.6
30°-40°	435.9	7.5
40°-50°	731.3	12.7
50°-60°	1102.5	19.1
60°-70°	1434.6	24.8
70°-80°	1121.8	19.4
80°-90°	441.9	7.7
90°-100°	131.1	2.3
100°-110°	42.9	0.7
110°-120°	18.4	0.3
120°-130°	10.0	0.2
130°-140°	5.3	0.1
140°-150°	1.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5565.5	96.4
0°-180°	5775.4	100.0

Coefficient of Utilization



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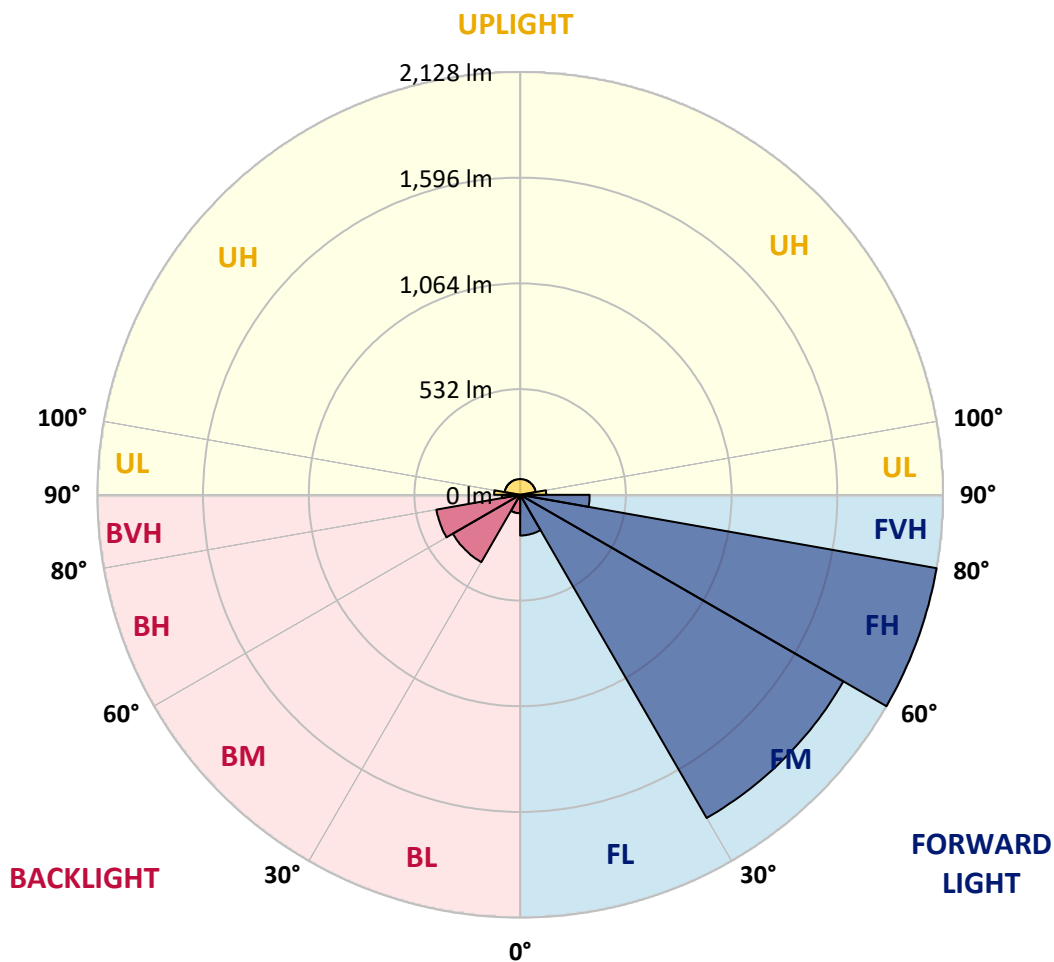
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.7	3.5			
FM (30°-60°)	1878.3	32.5			
FH (60°-80°)	2128.3	36.9			G2/5000
FVH (80°-90°)	349.6	6.1			G3/500
BL (0°-30°)	92.8	1.6	B0/110		
BM (30°-60°)	391.3	6.8	B1/1000		
BH (60°-80°)	428.1	7.4	B1/500		G1/500
BVH (80°-90°)	92.3	1.6			G1/100
UL (90°-100°)	131.1	2.3		U3/500	
UH (100°-180°)	79.3	1.4		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°	70°	75°	85°
0°	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8
2.5°	184.3	184.3	184.9	184.3	183.5	180.8	177.8	174.2	172.7	171.3	167.7
5°	205.3	205.3	204.6	203.1	201.7	196.5	192.3	186.5	183.5	180.8	174.2
7.5°	230.5	229.8	229.1	226.1	223.3	216.8	210.4	203.1	198.8	195.1	186.5
10°	260.9	260.1	259.5	254.3	250.1	242.9	236.3	226.9	223.3	218.3	206.0
12.5°	299.9	302.1	297.7	289.9	284.1	273.9	269.6	263.1	258.7	256.5	243.5
15°	349.1	350.5	344.7	331.7	323.7	313.7	315.1	315.9	313.7	313.7	297.7
17.5°	408.3	405.5	401.1	382.3	370.1	365.7	372.2	378.7	380.1	382.3	365.7
20°	482.8	484.2	471.2	443.7	424.3	425.7	433.6	445.9	451.7	456.8	439.4
22.5°	584.6	573.2	558.0	518.9	492.2	486.4	498.7	522.5	531.9	544.9	528.3
25°	693.8	682.3	655.5	610.6	570.3	552.9	573.2	614.4	630.2	651.9	637.4
27.5°	810.1	800.8	760.3	712.6	657.6	627.3	654.0	709.7	735.0	762.5	746.6
30°	935.1	924.4	876.7	820.3	750.9	712.6	733.5	813.8	855.7	893.3	886.1
32.5°	1084.1	1069.6	1011.0	939.5	848.5	802.9	825.4	934.5	987.2	1035.7	1025.5
35°	1250.4	1243.1	1165.0	1074.0	961.9	897.7	928.7	1047.2	1113.7	1165.0	1151.3
37.5°	1441.1	1432.4	1343.6	1222.8	1080.5	999.5	1022.6	1155.6	1233.0	1287.2	1256.8
40°	1618.9	1610.3	1522.1	1380.4	1204.0	1106.5	1126.0	1244.6	1314.6	1358.7	1303.0
42.5°	1809.0	1792.4	1694.1	1530.7	1335.5	1220.0	1215.6	1312.4	1379.7	1436.8	1379.0
45°	1976.6	1972.3	1866.8	1679.7	1467.9	1331.3	1303.0	1410.7	1498.9	1575.5	1516.3
47.5°	2082.2	2076.4	1999.0	1812.6	1583.5	1439.7	1419.4	1550.9	1654.3	1737.4	1668.7
50°	2138.5	2136.3	2081.4	1913.7	1699.1	1558.9	1573.4	1722.3	1838.7	1942.6	1869.0
52.5°	2163.2	2163.2	2120.5	1986.0	1801.8	1695.4	1749.7	1920.2	2051.2	2163.2	2064.8
55°	2160.3	2160.9	2116.9	2003.4	1883.4	1838.7	1950.6	2154.5	2286.7	2407.4	2292.5
57.5°	2069.2	2075.0	2065.5	1991.8	1927.6	1983.9	2181.9	2406.0	2530.2	2644.4	2515.8
60°	1850.2	1865.4	1898.6	1913.0	1937.6	2122.0	2422.6	2690.0	2843.9	2983.5	2877.9
62.5°	1638.5	1651.5	1697.7	1760.6	1910.2	2226.7	2690.0	3079.5	3202.4	3336.1	3140.2
65°	1381.1	1401.4	1491.7	1610.9	1843.6	2300.5	2984.9	3444.5	3550.1	3614.3	3371.5
67.5°	1122.4	1141.2	1249.6	1439.7	1756.9	2343.1	3202.4	3769.8	3873.8	3880.4	3519.7
69°	982.1	1003.1	1114.5	1324.0	1692.7	2319.9	3268.9	3907.0	3969.2	3912.8	3453.1
70°	907.1	907.1	1030.7	1244.6	1636.2	2277.3	3279.8	3917.2	3957.6	3874.6	3383.1
72.5°	657.6	665.0	794.4	1043.7	1456.3	2105.3	3098.3	3722.8	3745.9	3522.5	2914.7
75°	451.0	458.3	572.4	810.9	1223.6	1832.1	2733.3	3219.8	3199.5	2953.9	2356.8
77.5°	312.3	317.3	404.0	591.2	967.7	1516.3	2278.0	2632.2	2582.4	2352.5	1763.5
80°	218.9	224.1	290.5	439.4	734.3	1193.2	1806.0	2061.9	1989.6	1785.1	1295.2
82.5°	153.9	158.3	213.2	332.4	556.4	928.7	1424.5	1603.7	1532.2	1350.8	925.9
85°	109.8	112.7	154.7	252.9	426.4	692.3	1081.2	1201.9	1128.8	961.3	615.0
87.5°	79.5	82.4	114.1	190.7	330.3	538.4	799.3	850.7	748.8	608.6	388.9
90°	60.0	62.2	86.0	143.1	257.3	395.3	572.4	554.4	479.8	383.7	259.5
92.5°	44.8	46.2	65.8	108.3	197.3	307.1	397.4	361.3	299.3	242.9	177.1
95°	33.3	34.8	49.8	81.6	146.0	220.4	259.5	223.3	186.5	153.9	120.7
97.5°	25.3	26.8	39.0	62.2	105.6	155.3	167.7	142.4	123.6	105.6	86.0
100°	20.2	21.0	30.4	47.7	75.9	106.2	115.6	99.0	86.8	77.3	65.0
102.5°	16.0	17.4	24.6	37.5	57.8	78.7	83.8	72.2	64.4	57.8	51.4
105°	13.7	14.4	20.2	30.4	45.6	59.2	63.6	54.2	47.7	43.3	39.8
107.5°	12.2	12.2	17.4	25.3	36.8	47.0	49.1	40.4	35.4	32.6	30.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	10.8	10.8	15.2	21.7	31.0	39.0	38.4	30.4	26.8	23.8	23.8
112.5°	10.2	10.2	13.0	19.5	26.8	32.6	30.4	23.8	21.0	18.0	19.5
115°	9.4	9.4	12.2	17.4	23.8	27.5	25.3	18.8	16.0	14.4	16.0
117.5°	9.4	9.4	11.6	16.0	21.7	23.8	21.7	16.0	13.0	12.2	13.7
120°	9.4	9.4	11.6	15.2	19.5	21.0	18.0	13.0	11.6	10.2	12.2
122.5°	9.4	9.4	10.8	14.4	18.0	18.8	16.0	11.6	9.4	9.4	10.8
125°	10.2	10.2	11.6	14.4	16.6	16.6	13.7	10.2	8.6	8.6	10.8
127.5°	10.8	10.8	11.6	13.7	15.2	14.4	12.2	9.4	8.6	8.6	10.2
130°	11.6	11.6	12.2	13.0	13.7	12.2	10.2	8.6	7.9	8.6	10.2
132.5°	11.6	11.6	11.6	12.2	12.2	10.8	8.6	7.2	7.2	7.9	9.4
135°	10.8	10.8	10.8	10.8	10.8	8.6	7.2	6.5	6.5	7.2	8.6
137.5°	9.4	9.4	8.6	8.6	8.6	7.2	5.8	5.0	5.0	5.8	7.2
140°	7.2	7.2	7.2	7.2	7.2	5.8	4.4	3.6	4.4	5.0	5.8
142.5°	5.8	5.8	5.8	5.8	5.8	4.4	2.8	3.6	4.4	4.4	5.0
145°	5.0	4.4	4.4	4.4	4.4	2.8	2.1	2.8	3.6	4.4	4.4
147.5°	3.6	3.6	3.6	3.6	2.8	1.4	1.4	2.8	2.8	3.6	4.4
150°	2.1	2.1	2.1	2.1	1.4	0.8	1.4	2.1	2.8	2.8	3.6
152.5°	0.8	0.8	1.4	1.4	0.8	0.0	0.8	1.4	2.1	2.1	2.8
155°	0.0	0.0	0.8	1.4	0.0	0.0	0.8	1.4	1.4	2.1	2.1
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.4	1.4	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8	164.8
2.5°	165.5	164.1	161.1	159.0	156.1	153.9	153.9	151.8	151.8	151.0	150.3
5°	171.3	169.2	161.9	156.8	151.8	147.4	144.5	142.4	140.2	138.8	138.0
7.5°	182.1	177.1	166.9	158.3	149.5	143.1	137.3	133.8	130.8	130.1	128.6
10°	200.2	194.4	178.5	164.1	151.0	140.2	133.0	128.0	125.0	124.3	123.6
12.5°	235.6	226.9	203.8	180.0	155.3	138.8	129.4	128.6	129.4	130.8	131.5
15°	287.0	277.5	242.1	204.6	166.9	141.0	135.9	137.3	139.6	141.6	141.6
17.5°	349.8	333.9	286.2	231.9	181.4	153.9	142.4	143.7	148.1	151.8	151.8
20°	419.9	394.7	327.3	252.3	195.1	162.6	148.9	149.5	156.1	160.4	161.1
22.5°	505.3	466.9	370.7	268.9	203.1	166.2	153.2	153.9	164.1	171.3	172.0
25°	601.3	551.4	420.6	287.0	206.0	164.8	155.3	160.4	176.4	188.6	189.3
27.5°	697.4	628.8	458.9	299.3	203.8	160.4	156.8	167.7	187.2	198.8	200.2
30°	821.7	735.8	501.6	304.3	196.5	156.1	156.8	170.6	187.2	198.8	199.5
32.5°	945.3	828.3	536.3	307.9	188.6	152.5	154.7	166.9	182.9	195.9	196.5
35°	1050.1	901.9	551.4	300.7	181.4	150.3	151.0	163.4	181.4	197.3	198.0
37.5°	1127.4	949.7	550.0	283.3	172.7	148.1	148.9	162.6	182.9	200.2	202.3
40°	1153.4	952.5	522.5	258.0	166.9	147.4	149.5	162.6	181.4	195.9	198.0
42.5°	1214.2	977.9	503.6	235.6	162.6	148.9	151.8	160.4	174.2	187.9	190.7
45°	1322.6	1046.4	508.8	224.7	161.9	152.5	153.2	158.3	167.7	180.8	184.3
47.5°	1439.7	1116.6	511.0	218.9	165.5	156.1	155.3	156.1	161.1	172.0	175.6
50°	1601.5	1222.2	522.5	218.3	171.3	160.4	157.6	154.7	158.3	171.3	175.0
52.5°	1768.5	1334.2	541.3	222.6	180.0	166.2	160.4	155.3	158.3	169.8	175.0
55°	1954.9	1473.6	568.8	231.3	188.6	172.7	164.1	157.6	157.6	167.7	172.0
57.5°	2160.9	1617.5	605.0	242.9	198.0	180.0	166.9	158.3	156.8	163.4	166.9
60°	2481.1	1858.8	668.5	259.5	207.4	185.7	169.2	159.0	157.6	162.6	164.8
62.5°	2693.6	2026.5	723.4	276.1	216.2	190.7	169.8	159.0	159.0	161.9	163.4
65°	2895.3	2173.2	760.3	291.2	224.1	193.7	169.8	158.3	159.0	161.1	161.1
67.5°	2963.1	2210.1	762.5	302.1	229.1	193.7	168.4	157.6	159.7	161.9	161.1
69°	2881.5	2133.5	730.0	302.8	229.1	191.5	166.9	156.1	159.7	161.9	161.1
70°	2804.1	2067.7	702.5	299.9	226.9	189.3	164.8	155.3	159.0	161.1	160.4
72.5°	2368.4	1709.3	594.8	285.5	218.9	182.1	158.3	150.3	155.3	158.3	156.8
75°	1887.0	1347.1	485.0	260.1	205.3	170.6	149.5	142.4	148.1	151.0	148.9
77.5°	1406.3	997.3	388.1	234.9	190.1	160.4	140.2	132.3	136.6	138.0	135.9
80°	1020.5	724.2	311.5	211.8	176.4	150.3	130.8	122.2	125.7	125.7	122.9
82.5°	721.3	514.6	251.6	188.6	161.9	141.6	122.9	113.5	118.5	117.8	114.9
85°	483.5	357.1	206.0	163.4	145.4	130.1	114.1	107.0	112.7	112.0	109.2
87.5°	320.1	255.1	172.7	141.6	127.2	115.6	104.2	99.0	104.8	103.4	99.8
90°	226.9	193.0	146.0	122.2	109.2	100.4	92.6	88.9	92.6	89.6	86.0
92.5°	163.4	144.5	119.9	102.6	91.0	85.3	80.2	77.3	79.5	75.2	72.2
95°	115.6	106.2	96.1	84.5	75.9	70.8	68.0	66.5	68.0	61.4	59.2
97.5°	84.5	80.2	75.9	70.2	62.9	60.0	57.8	56.4	56.4	49.8	48.4
100°	65.8	63.6	62.2	58.6	52.8	50.6	49.1	48.4	47.0	41.2	39.8
102.5°	52.8	52.0	52.0	48.4	44.1	42.6	41.2	40.4	39.0	34.0	32.6
105°	41.9	41.9	42.6	39.8	36.8	35.4	34.8	33.3	31.8	28.2	28.2
107.5°	33.3	33.3	34.8	32.6	31.0	29.6	29.0	27.5	26.0	23.8	23.8



REPORT NUMBER: P254413

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.0	26.8	29.0	27.5	26.0	25.3	24.6	22.4	21.0	20.2	20.2
112.5°	21.0	22.4	23.8	23.2	21.7	21.7	20.2	18.8	17.4	17.4	17.4
115°	18.0	18.8	20.2	19.5	18.8	18.0	17.4	15.2	14.4	14.4	15.2
117.5°	15.2	16.0	17.4	16.6	16.0	16.0	14.4	13.0	11.6	13.0	13.0
120°	13.0	13.7	14.4	14.4	13.7	13.7	12.2	10.8	9.4	10.8	10.8
122.5°	12.2	12.2	13.0	12.2	12.2	11.6	10.2	8.6	7.9	9.4	9.4
125°	11.6	11.6	11.6	10.8	10.8	10.2	8.6	7.2	6.5	7.9	7.9
127.5°	10.8	10.8	10.8	10.2	8.6	7.9	7.2	5.8	5.0	6.5	6.5
130°	10.8	10.8	9.4	8.6	7.9	6.5	5.8	4.4	4.4	5.8	5.8
132.5°	10.2	9.4	8.6	7.2	6.5	5.0	4.4	3.6	3.6	4.4	5.0
135°	8.6	8.6	7.2	5.8	5.0	3.6	3.6	2.1	2.8	3.6	3.6
137.5°	7.2	7.2	6.5	5.0	3.6	2.8	2.1	1.4	2.1	2.8	2.8
140°	6.5	5.8	5.0	4.4	2.8	1.4	1.4	0.8	1.4	1.4	2.1
142.5°	5.8	5.8	5.0	3.6	2.1	1.4	0.0	0.8	0.8	0.8	1.4
145°	5.0	5.0	4.4	2.8	2.1	0.8	0.0	0.8	0.8	0.8	0.0
147.5°	4.4	4.4	3.6	2.8	1.4	0.0	0.0	0.0	0.8	0.0	0.0
150°	3.6	3.6	2.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	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)