

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: P254953

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)
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-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5715.3 lumens
Efficiency: N/A
Efficacy: 89.3 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

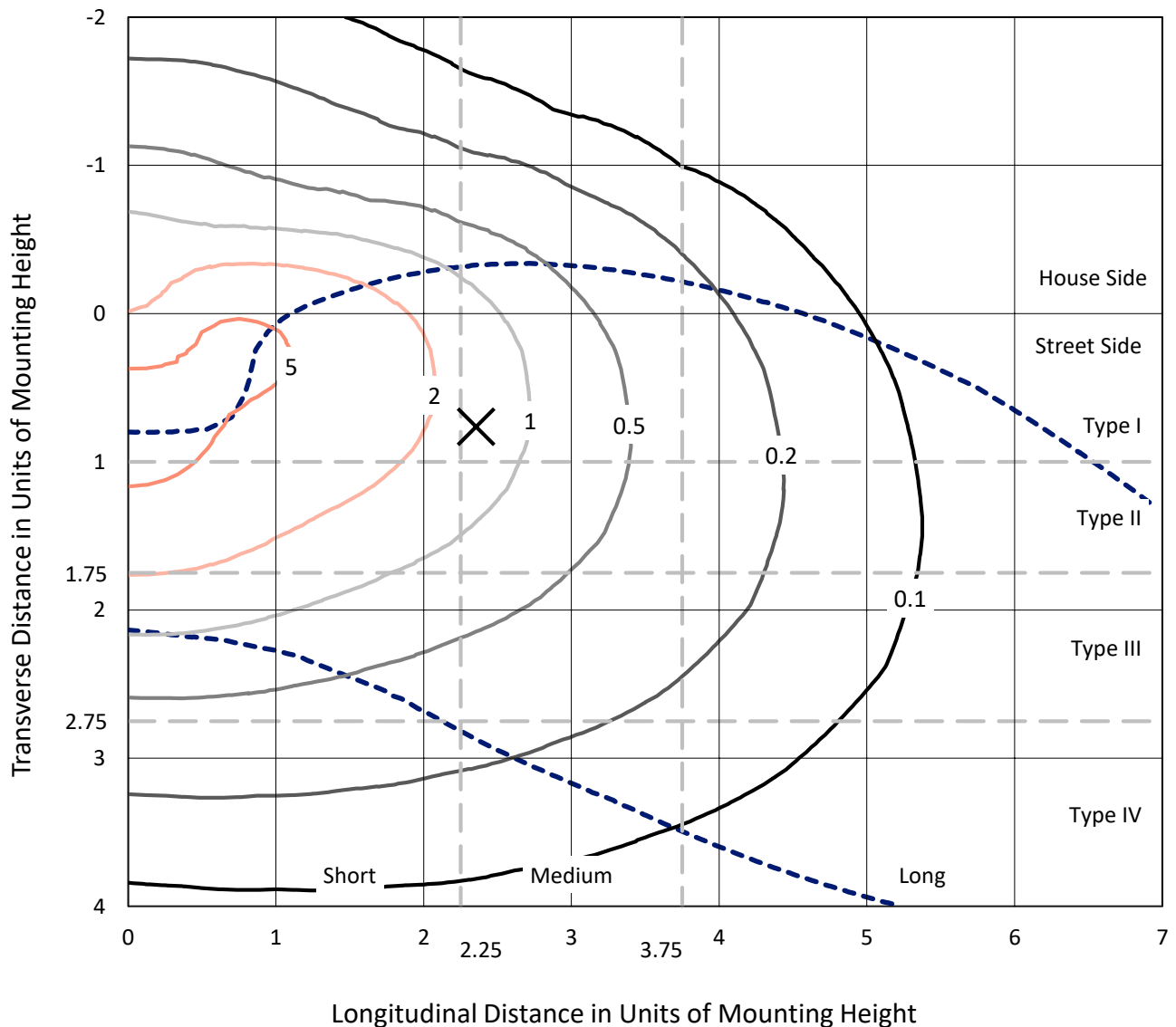


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

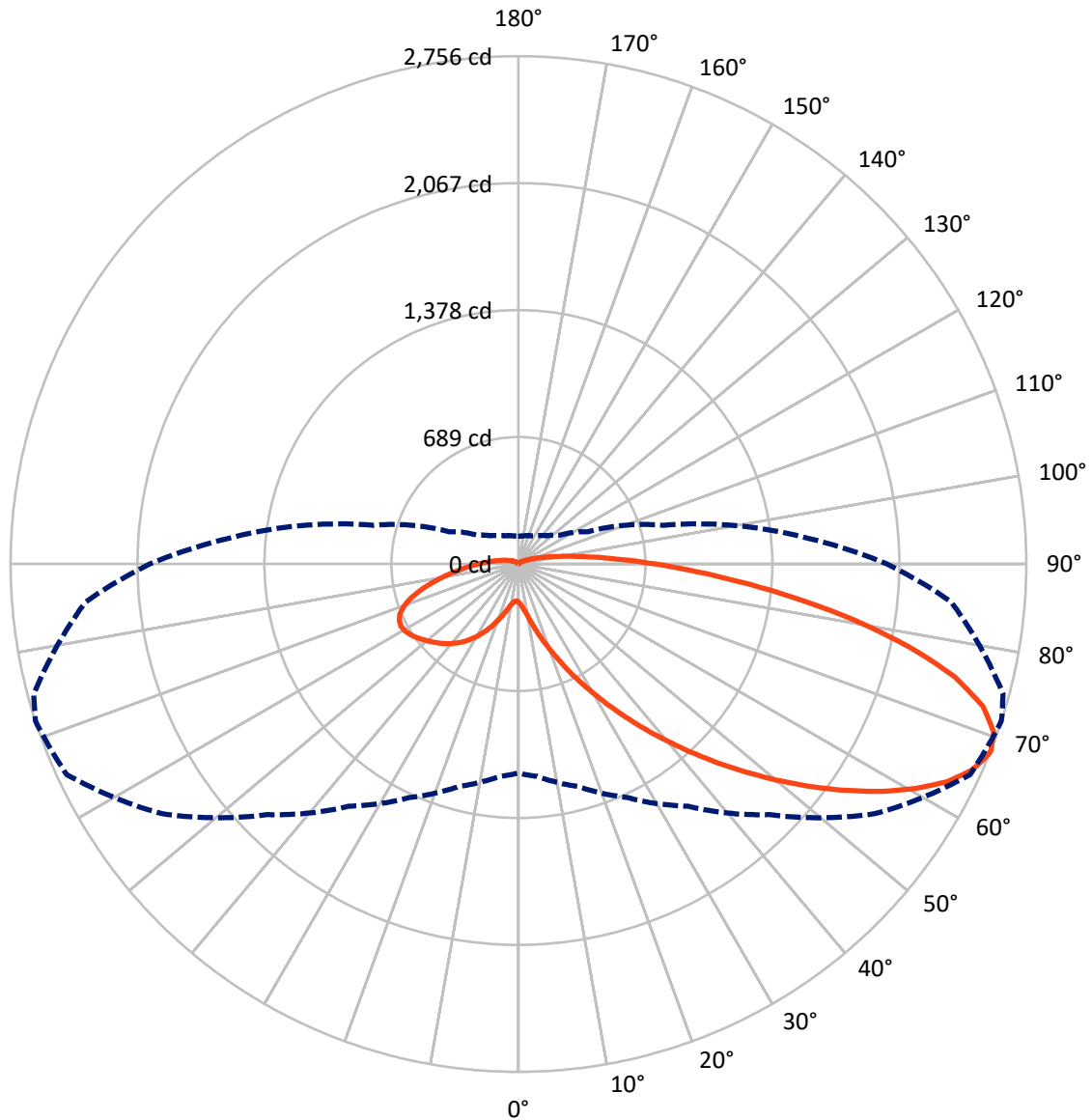


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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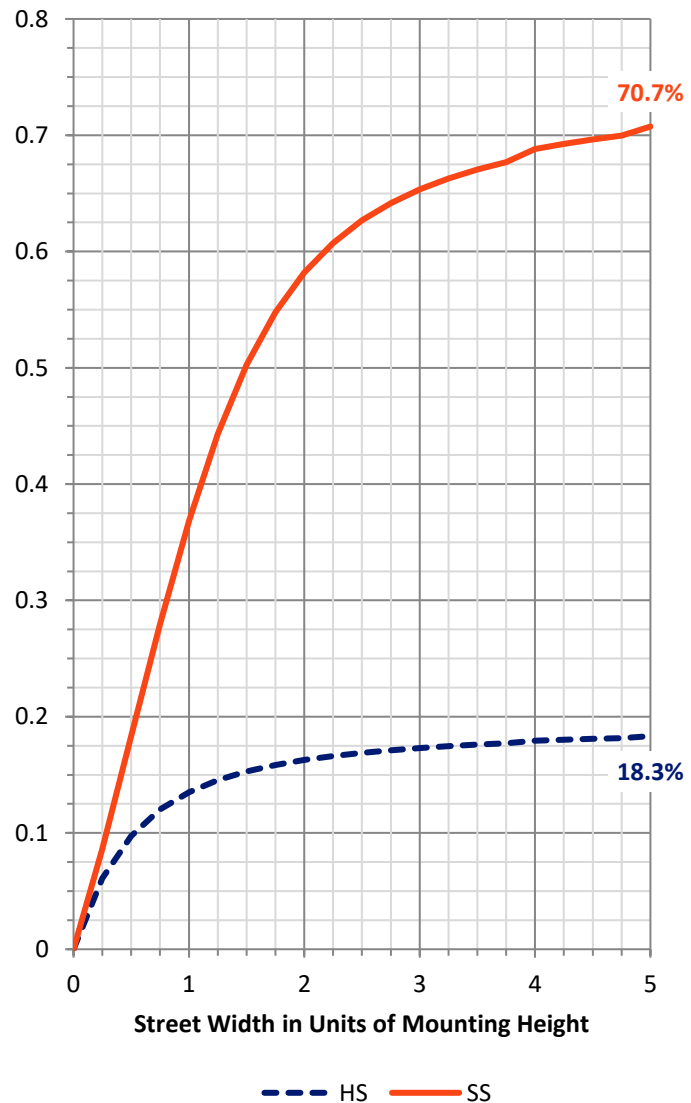
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1098.4	130.8	1229.2
	% Fixture	19.2	2.3	21.5
Street Side	Lumens	4216.4	269.7	4486.1
	% Fixture	73.8	4.7	78.5
Total	Lumens	5314.8	400.5	5715.3
	% Fixture	93.0	7.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.4
10°-20°	90.8	1.6
20°-30°	224.4	3.9
30°-40°	439.1	7.7
40°-50°	731.7	12.8
50°-60°	1042.2	18.2
60°-70°	1207.5	21.1
70°-80°	1008.4	17.6
80°-90°	549.0	9.6
90°-100°	230.4	4.0
100°-110°	96.0	1.7
110°-120°	43.3	0.8
120°-130°	20.2	0.4
130°-140°	8.4	0.1
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5314.8	93.0
0°-180°	5715.3	100.0



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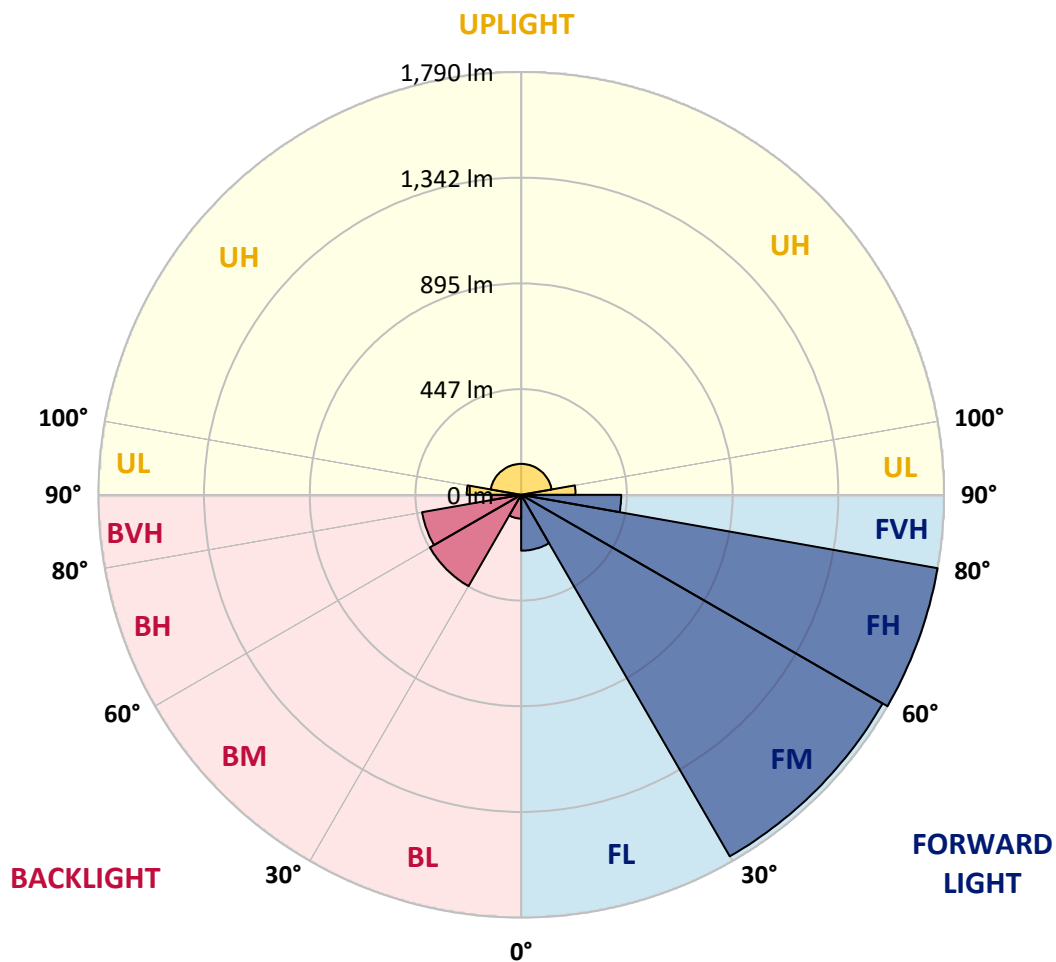
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.5	4.1			
FM	(30°-60°)	1766.9	30.9			
FH	(60°-80°)	1789.9	31.3			G1/1800
FVH	(80°-90°)	423.2	7.4			G3/500
BL	(0°-30°)	100.6	1.8	B0/110		
BM	(30°-60°)	446.1	7.8	B1/1000		
BH	(60°-80°)	425.9	7.5	B1/500		G1/500
BVH	(80°-90°)	125.8	2.2			G2/225
UL	(90°-100°)	230.4	4.0		U3/500	
UH	(100°-180°)	130.8	2.3		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°	72°	75°	85°
0°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	237.8	237.8	238.5	236.3	234.3	232.0	226.9	222.7	219.1	216.9	212.5
5°	270.3	271.1	269.7	267.4	263.9	258.8	251.6	242.9	235.7	234.3	224.1
7.5°	308.6	308.6	307.2	303.6	299.3	292.0	281.3	269.7	259.5	257.3	242.1
10°	352.8	352.8	352.1	346.3	339.8	331.0	318.1	305.8	292.0	287.7	267.4
12.5°	404.8	404.0	401.8	394.7	386.8	375.9	361.4	346.3	333.2	328.3	303.6
15°	461.2	461.2	458.4	448.9	439.6	426.4	413.4	400.4	383.8	378.0	347.0
17.5°	523.4	522.6	516.8	508.2	495.2	485.0	472.8	457.6	439.6	432.2	396.2
20°	593.5	591.3	583.3	571.8	560.2	547.2	535.0	513.9	498.8	494.4	452.6
22.5°	672.9	669.3	659.3	643.3	629.7	613.7	600.7	582.6	568.9	560.9	519.7
25°	761.9	760.5	748.2	722.1	702.6	684.5	671.5	662.8	650.5	639.0	591.3
27.5°	858.8	855.2	834.8	808.8	778.5	758.3	746.0	739.4	732.2	725.7	670.1
30°	962.9	960.7	933.9	901.4	861.0	834.8	826.2	827.0	825.5	819.0	757.6
32.5°	1075.6	1074.1	1040.9	999.7	949.1	914.4	912.2	923.1	925.2	920.9	851.5
35°	1196.3	1194.9	1156.6	1105.2	1041.7	1001.2	1004.1	1025.0	1034.3	1030.8	951.9
37.5°	1319.2	1317.7	1278.0	1215.1	1137.1	1090.9	1099.4	1134.2	1152.2	1149.3	1058.9
40°	1454.4	1441.3	1400.1	1325.0	1236.0	1184.8	1204.2	1250.6	1277.2	1267.2	1171.0
42.5°	1571.4	1562.1	1517.3	1433.5	1336.6	1289.6	1313.4	1374.2	1410.3	1407.4	1291.0
45°	1674.8	1670.6	1626.5	1536.8	1437.1	1390.1	1428.3	1506.4	1551.3	1543.3	1417.5
47.5°	1768.2	1760.9	1720.4	1630.0	1529.5	1495.6	1547.6	1642.3	1698.0	1693.0	1548.3
50°	1830.9	1828.1	1792.7	1706.6	1615.6	1586.7	1672.6	1789.7	1852.7	1846.9	1684.2
52.5°	1859.9	1859.1	1835.3	1763.0	1689.3	1693.6	1799.9	1940.9	2010.3	2008.0	1825.1
55°	1850.6	1849.8	1841.1	1793.4	1747.2	1782.6	1927.2	2094.8	2170.0	2168.6	1961.9
57.5°	1794.9	1797.8	1809.4	1792.0	1785.6	1864.3	2050.0	2245.2	2327.7	2323.3	2095.6
60°	1688.6	1695.1	1732.0	1753.6	1796.3	1922.1	2163.6	2393.5	2474.4	2467.1	2217.0
62.5°	1542.6	1557.7	1612.6	1678.4	1774.6	1961.1	2264.7	2525.0	2605.2	2590.0	2301.5
65°	1368.4	1385.7	1460.1	1568.6	1720.4	1966.8	2337.0	2632.6	2702.1	2682.6	2360.1
67.5°	1174.6	1196.3	1286.6	1429.1	1628.6	1935.8	2363.1	2699.1	2754.1	2723.0	2365.9
68°	1134.8	1156.6	1249.8	1398.0	1604.8	1923.5	2362.3	2704.9	2756.3	2723.0	2357.3
70°	980.2	1003.3	1105.2	1269.4	1510.1	1862.1	2334.1	2698.4	2736.7	2696.3	2299.5
72.5°	803.8	827.0	929.6	1103.8	1364.7	1735.6	2235.1	2617.6	2635.6	2587.8	2159.9
75°	645.5	669.3	768.4	944.0	1207.2	1585.3	2071.0	2448.3	2444.6	2389.1	1949.5
77.5°	511.2	532.7	626.7	793.0	1045.3	1401.6	1859.9	2196.0	2172.2	2113.6	1682.0
80°	401.8	421.4	506.8	659.3	889.2	1209.4	1607.6	1888.9	1849.1	1789.1	1394.3
82.5°	313.7	331.8	407.0	542.2	745.2	1022.1	1336.6	1564.3	1509.3	1454.4	1118.3
85°	245.1	259.5	326.0	442.4	615.9	845.0	1099.4	1249.1	1191.3	1143.6	871.8
87.5°	191.5	203.9	260.2	359.3	508.2	686.7	876.8	973.0	918.8	879.7	668.6
90°	150.3	159.1	209.7	291.2	409.8	553.7	688.9	746.7	698.2	667.9	510.4
92.5°	119.3	125.7	166.9	236.3	330.4	439.6	533.5	566.0	525.5	503.1	387.5
95°	95.4	100.5	135.2	193.0	268.9	347.7	410.6	427.2	395.4	378.0	294.2
97.5°	78.1	81.7	111.3	156.9	215.5	276.1	318.1	324.6	298.5	285.5	224.8
100°	65.0	67.2	91.8	130.1	175.0	219.7	247.9	248.7	226.9	216.2	171.3
102.5°	54.9	56.4	76.6	108.3	144.5	176.4	195.1	191.5	172.1	163.4	131.5
105°	47.0	48.4	64.4	91.1	120.7	143.1	153.9	148.1	131.5	125.1	101.9
107.5°	41.2	41.9	54.2	76.6	101.2	117.8	124.3	116.4	101.9	96.1	80.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	36.2	36.8	46.2	65.8	85.3	99.0	101.2	91.8	79.5	75.2	64.4
112.5°	31.8	32.6	40.4	55.6	72.9	83.1	83.8	73.8	63.0	59.3	52.0
115°	29.0	29.6	35.4	47.7	62.2	70.2	69.4	59.3	49.9	47.0	42.6
117.5°	26.8	27.5	31.8	41.2	53.5	59.3	57.8	48.4	40.4	38.4	36.2
120°	24.6	25.3	28.2	35.4	45.6	50.6	47.7	39.0	33.3	31.8	30.4
122.5°	23.2	23.2	25.3	31.0	39.0	42.6	39.8	32.6	27.5	26.0	26.0
125°	21.0	21.7	23.2	26.8	33.3	36.2	33.3	26.8	22.4	22.4	22.4
127.5°	20.2	20.2	21.0	23.8	28.2	30.4	27.5	21.7	18.8	18.8	19.5
130°	18.8	18.8	18.8	21.0	23.8	24.6	21.7	17.4	16.0	16.0	16.6
132.5°	17.4	17.4	17.4	18.0	19.5	19.5	17.4	14.4	13.7	13.7	14.4
135°	16.0	16.0	15.2	15.2	16.0	15.2	13.7	11.6	10.8	11.6	12.2
137.5°	13.7	13.7	13.7	13.0	12.2	11.6	9.4	8.6	8.6	9.4	10.2
140°	11.6	11.6	11.6	10.2	9.4	7.9	6.5	5.8	6.5	7.2	7.9
142.5°	9.4	9.4	9.4	7.9	6.5	5.0	3.6	3.6	4.4	5.0	5.8
145°	7.2	7.2	7.2	5.8	4.4	2.8	2.1	2.8	3.6	3.6	4.4
147.5°	5.0	5.0	5.0	3.6	2.1	0.8	0.8	2.1	2.8	2.8	3.6
150°	2.8	2.8	2.8	1.4	0.8	0.0	0.0	1.4	2.1	2.1	2.8
152.5°	0.8	0.8	1.4	0.8	0.0	0.0	0.0	0.8	1.4	1.4	2.1
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4
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°	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5	207.5
2.5°	209.7	207.5	202.3	197.3	193.0	189.3	186.5	185.0	183.5	182.9	181.5
5°	219.1	213.9	203.9	194.5	185.7	178.5	171.3	166.9	164.1	161.9	161.1
7.5°	234.9	226.9	211.8	197.3	183.5	170.6	161.9	156.1	151.1	148.1	147.5
10°	258.1	247.9	225.5	204.6	185.7	169.2	156.9	148.1	142.4	139.6	139.6
12.5°	291.2	276.1	246.5	217.5	191.5	170.6	155.3	147.5	143.1	141.0	141.0
15°	332.4	312.3	273.9	236.3	203.1	177.1	161.9	153.3	148.9	146.7	146.7
17.5°	378.0	352.1	304.3	256.6	214.7	188.7	169.2	159.1	153.9	151.8	151.8
20°	430.2	400.4	336.8	276.9	229.9	199.5	177.1	164.1	159.1	157.6	156.9
22.5°	489.4	451.0	372.2	297.8	245.1	208.1	183.5	168.5	164.1	162.7	162.7
25°	555.1	508.9	410.6	320.2	257.3	214.7	188.7	173.5	168.5	167.7	166.9
27.5°	624.5	570.4	448.9	341.9	266.7	218.3	191.5	177.9	172.1	172.1	171.3
30°	705.5	634.7	485.7	360.0	272.5	219.7	192.3	180.0	175.0	175.7	176.4
32.5°	786.4	702.6	522.6	375.9	276.9	220.4	192.3	180.8	175.7	177.9	177.9
35°	872.6	772.8	558.1	388.9	279.0	219.7	192.3	182.1	176.4	178.5	179.3
37.5°	962.9	844.2	592.0	399.1	280.5	219.1	192.3	182.1	177.1	179.3	179.3
40°	1055.3	915.8	624.5	406.2	280.5	218.3	191.5	182.1	178.5	178.5	179.3
42.5°	1155.1	990.3	654.1	412.0	280.5	216.9	191.5	182.1	177.1	177.9	178.5
45°	1260.7	1066.9	682.5	416.4	279.7	216.9	190.8	181.5	176.4	175.7	176.4
47.5°	1364.0	1146.4	709.8	420.7	279.0	217.5	190.8	180.8	175.0	172.1	172.7
50°	1478.3	1228.8	738.0	423.6	279.7	217.5	191.5	180.0	172.7	169.2	169.9
52.5°	1591.1	1311.2	765.5	427.2	279.7	218.3	191.5	178.5	170.6	165.5	166.3
55°	1710.2	1392.9	792.2	430.8	280.5	219.1	192.3	177.1	168.5	162.7	163.4
57.5°	1814.4	1471.0	816.0	433.0	280.5	220.4	192.3	176.4	166.3	159.7	159.7
60°	1909.8	1543.3	835.7	433.8	280.5	220.4	192.3	175.0	164.8	156.9	156.9
62.5°	1982.1	1591.7	845.0	432.2	279.0	220.4	191.5	173.5	163.4	154.7	154.7
65°	2018.9	1612.6	840.6	427.2	277.6	219.7	190.8	171.3	161.1	153.3	152.5
67.5°	2009.5	1596.9	819.8	417.1	273.9	217.5	188.7	168.5	159.7	151.8	150.3
68°	2000.1	1584.5	813.2	414.2	271.8	216.9	187.9	168.5	159.1	151.8	150.3
70°	1936.5	1531.7	779.2	401.8	268.2	213.9	185.7	165.5	156.9	150.3	148.9
72.5°	1802.1	1417.5	722.1	381.0	259.5	208.9	180.8	161.9	153.9	148.1	146.0
75°	1609.1	1265.0	650.5	356.4	248.7	202.3	174.2	156.9	149.6	144.5	142.4
77.5°	1389.3	1085.7	571.8	326.6	235.7	194.5	166.9	151.1	144.5	140.3	136.6
80°	1149.3	901.4	492.2	295.6	221.1	184.3	159.1	143.9	138.1	133.0	130.1
82.5°	921.6	730.1	417.1	266.0	203.9	171.3	149.6	135.2	129.4	125.1	121.4
85°	722.1	582.0	349.2	235.7	187.9	159.7	139.6	125.7	120.7	115.7	112.0
87.5°	559.5	457.6	292.7	207.5	169.9	146.7	129.4	116.4	110.6	104.8	101.9
90°	432.2	360.0	242.1	180.8	153.9	134.5	118.5	106.3	99.8	94.7	91.8
92.5°	333.2	284.1	200.9	158.3	137.3	121.4	107.7	96.9	89.6	83.1	81.0
95°	258.1	224.8	166.9	137.3	122.2	109.2	97.6	86.8	78.7	72.3	70.2
97.5°	200.9	177.9	138.8	118.5	107.7	96.9	86.8	77.3	69.4	61.4	60.0
100°	155.3	141.0	116.4	102.6	94.7	85.3	76.6	68.8	59.3	52.0	51.4
102.5°	122.2	112.7	97.6	88.9	82.4	75.2	68.0	60.0	50.6	43.3	42.6
105°	96.9	91.1	81.7	75.9	71.6	65.8	60.0	52.0	41.9	36.2	36.2
107.5°	77.3	73.8	68.8	65.0	62.2	57.2	52.0	44.1	34.8	29.6	30.4



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	63.0	60.7	57.8	56.4	54.2	49.9	44.8	37.5	29.0	24.6	25.3
112.5°	51.4	50.6	49.1	48.4	47.0	43.3	38.4	31.0	23.2	21.0	21.0
115°	42.6	41.9	41.9	41.2	40.4	37.5	32.6	26.0	18.8	17.4	17.4
117.5°	36.2	36.2	35.4	35.4	34.8	31.8	27.5	21.7	15.2	14.4	14.4
120°	30.4	30.4	30.4	30.4	29.6	26.8	23.2	17.4	12.2	12.2	12.2
122.5°	26.0	26.8	26.0	26.0	25.3	23.2	18.8	13.7	10.2	10.2	10.8
125°	22.4	22.4	22.4	21.7	21.0	18.8	15.2	10.8	8.6	8.6	8.6
127.5°	19.5	19.5	19.5	18.8	17.4	16.0	12.2	8.6	7.2	7.2	7.2
130°	17.4	16.6	16.6	16.0	14.4	12.2	9.4	6.5	5.8	5.8	5.8
132.5°	14.4	14.4	13.7	13.0	11.6	9.4	7.2	4.4	4.4	5.0	5.0
135°	12.2	12.2	11.6	10.2	8.6	7.2	5.0	3.6	3.6	3.6	3.6
137.5°	10.2	10.2	9.4	7.9	6.5	4.4	2.8	2.1	2.1	2.8	2.8
140°	7.9	7.9	7.2	5.8	4.4	2.8	1.4	0.8	1.4	1.4	1.4
142.5°	5.8	5.8	5.0	3.6	2.1	1.4	0.0	0.8	0.8	0.8	0.8
145°	4.4	4.4	3.6	2.8	1.4	0.8	0.0	0.0	0.8	0.0	0.0
147.5°	3.6	3.6	2.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	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)