

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: P415981

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7073 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

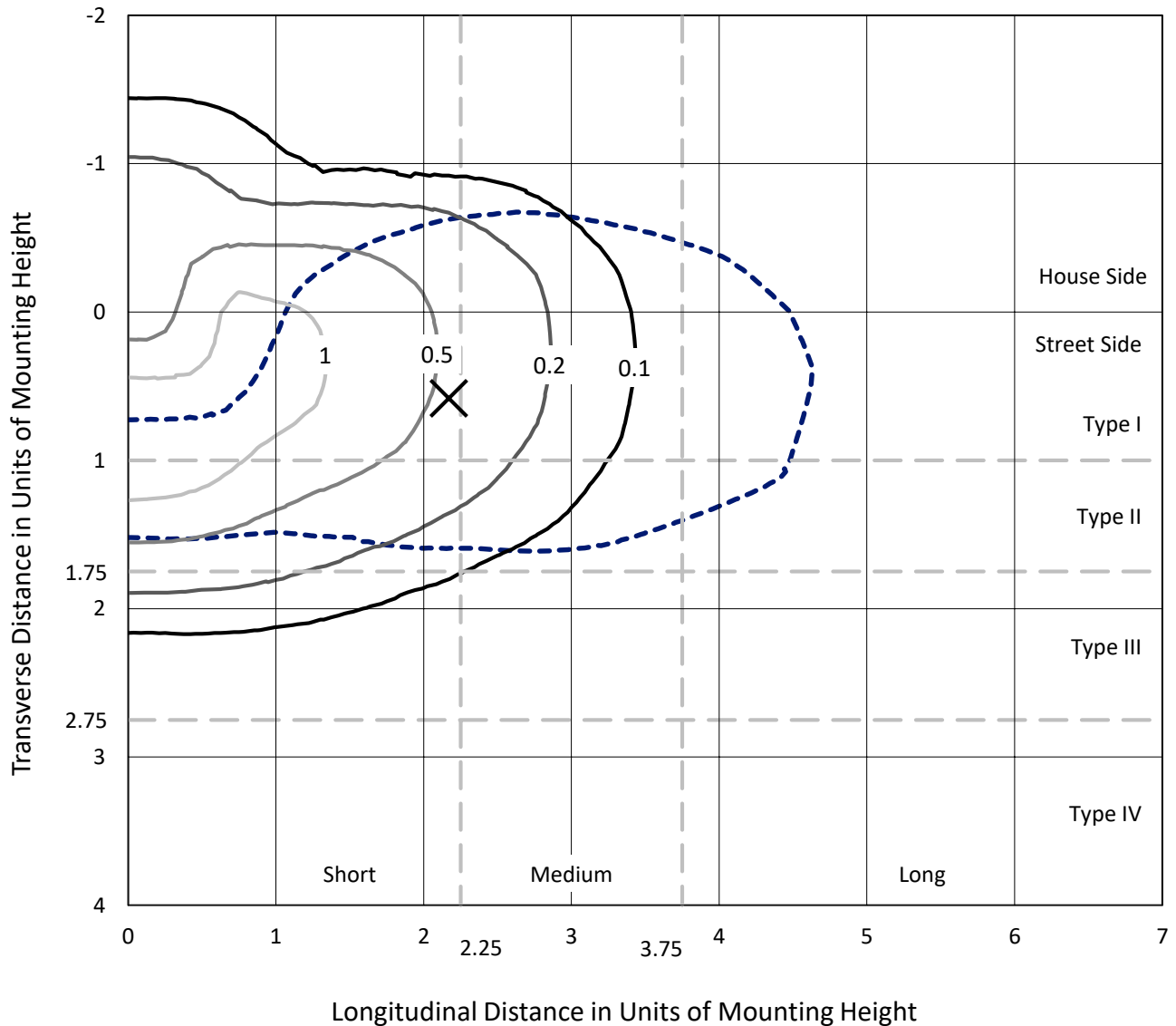
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

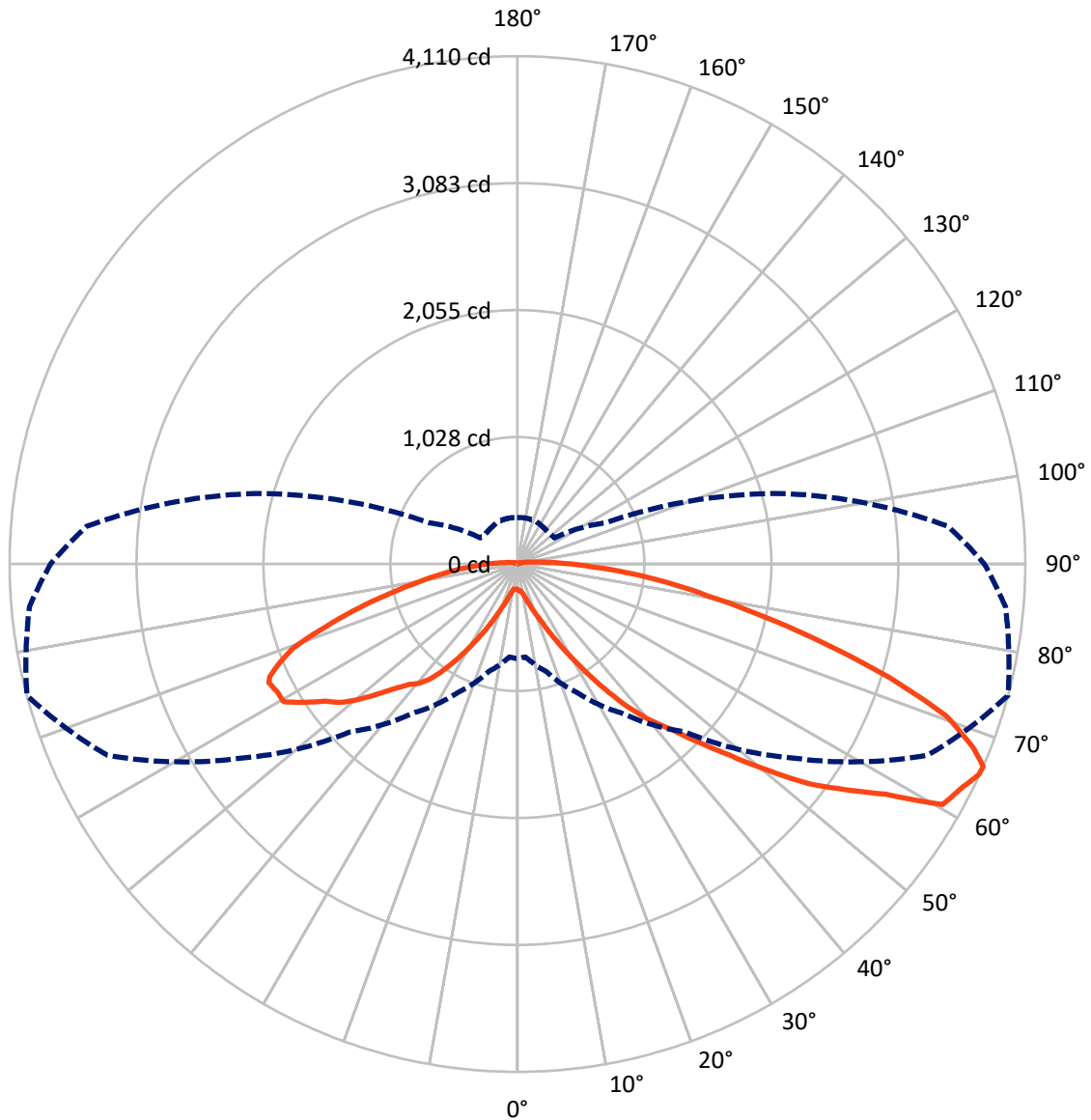
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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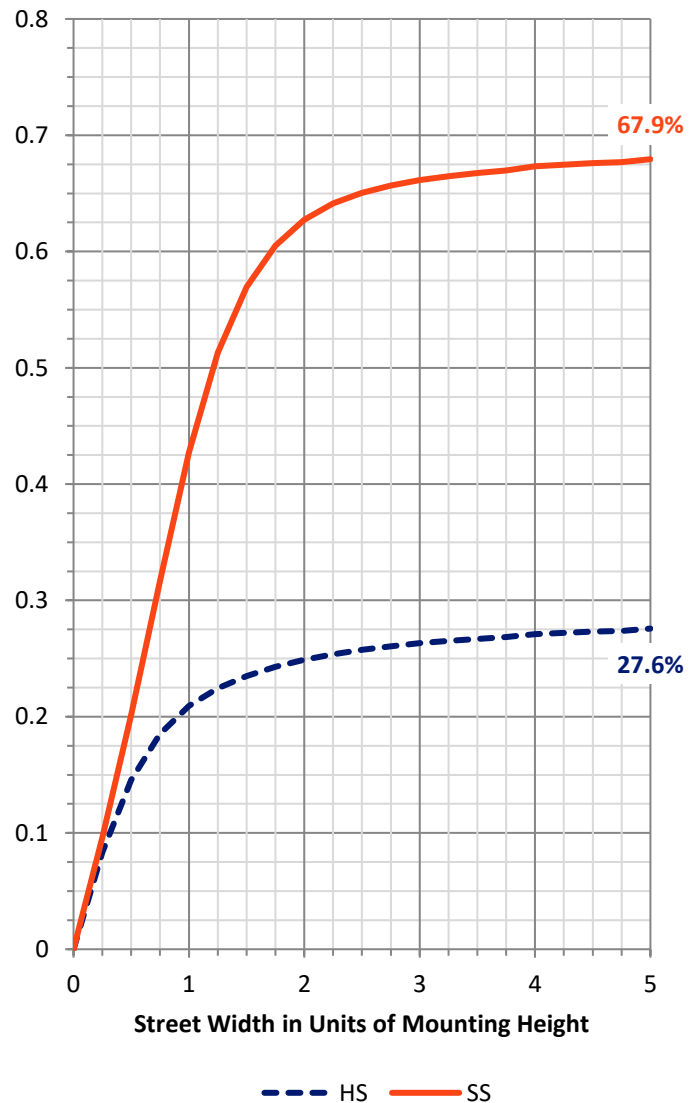
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2008.9	98.1	2107.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4869.0	97.0	4966.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	6877.9	195.1	7073.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.3
10°-20°	88.8	1.3
20°-30°	269.6	3.8
30°-40°	666.8	9.4
40°-50°	1204.0	17.0
50°-60°	1626.9	23.0
60°-70°	1633.1	23.1
70°-80°	986.4	13.9
80°-90°	381.3	5.4
90°-100°	113.2	1.6
100°-110°	40.9	0.6
110°-120°	19.8	0.3
120°-130°	11.7	0.2
130°-140°	6.9	0.1
140°-150°	2.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6877.9	97.2
0°-180°	7073.0	100.0



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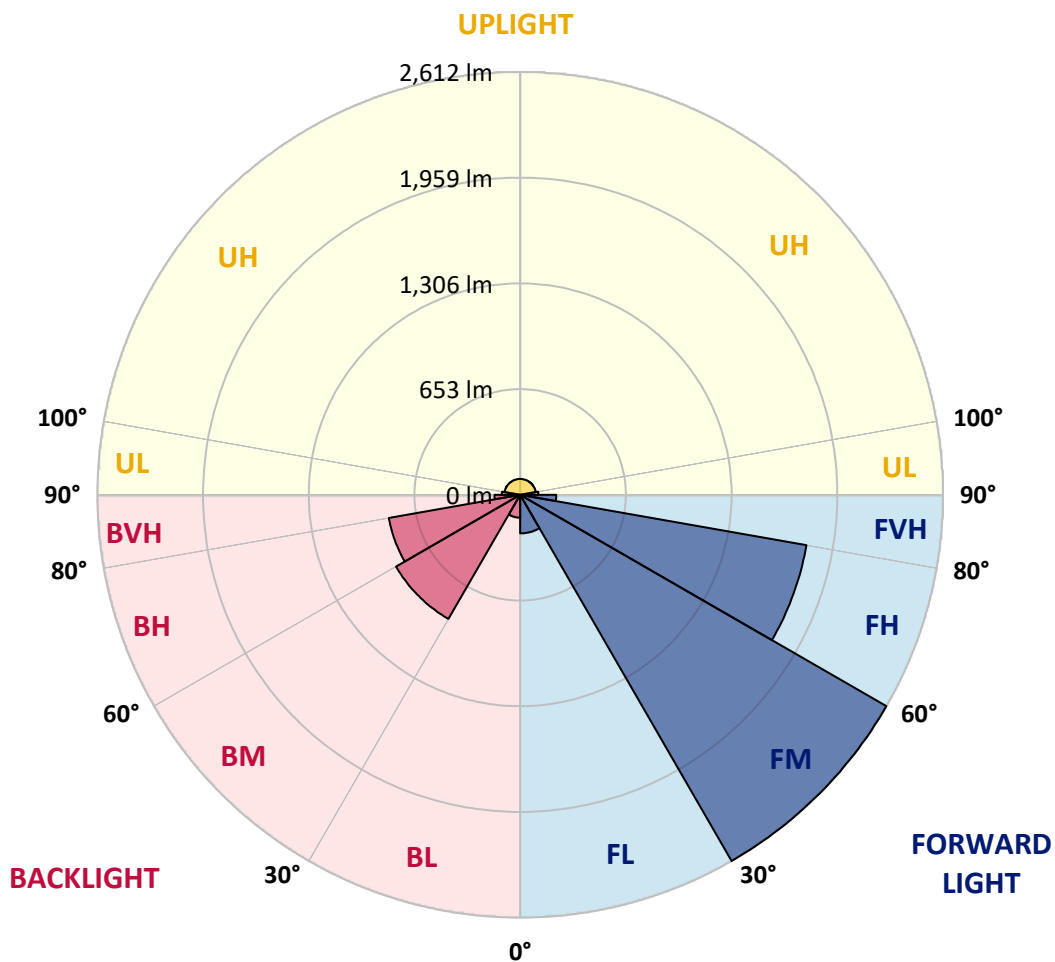
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.3	3.4			
FM (30°-60°)	2612.2	36.9			
FH (60°-80°)	1795.9	25.4			G1/1800
FVH (80°-90°)	222.7	3.1			G2/225
BL (0°-30°)	141.2	2.0	B1/500		
BM (30°-60°)	885.5	12.5	B1/1000		
BH (60°-80°)	823.6	11.6	B2/1000		G2/1000
BVH (80°-90°)	158.6	2.2			G2/225
UL (90°-100°)	113.2	1.6		U3/500	
UH (100°-180°)	98.1	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	230.0	228.4	226.8	225.1	223.5	221.9	218.6	214.5	211.3	211.3	208.0
5°	251.2	249.6	247.1	243.9	240.6	237.4	230.8	224.3	217.8	217.8	212.1
7.5°	277.3	276.5	273.3	269.2	261.8	254.5	246.3	236.5	227.6	226.8	219.4
10°	310.8	309.1	304.2	298.5	290.4	280.6	269.2	256.9	243.9	243.1	234.1
12.5°	357.3	354.0	345.8	336.9	321.4	311.6	298.5	287.1	277.3	274.9	262.6
15°	417.6	413.5	404.6	389.1	368.7	350.7	343.4	331.2	320.6	317.3	305.9
17.5°	495.1	491.0	475.5	451.1	429.9	411.9	395.6	383.4	374.4	373.6	357.3
20°	601.2	591.4	566.1	531.8	504.1	482.1	459.2	445.4	436.4	433.1	423.3
22.5°	731.7	729.2	693.3	648.5	602.8	562.8	537.5	522.0	515.5	516.3	510.6
25°	898.1	890.7	856.5	791.2	722.7	672.1	637.0	627.3	626.4	620.7	618.3
27.5°	1075.9	1066.1	1021.2	958.4	867.9	799.4	760.2	749.6	752.1	745.5	750.4
30°	1293.7	1288.8	1223.5	1132.2	1034.3	944.5	903.8	894.8	900.5	908.7	903.8
32.5°	1562.8	1570.2	1481.3	1358.1	1221.1	1117.5	1072.6	1069.3	1077.5	1075.9	1073.4
35°	1890.7	1903.8	1780.6	1631.3	1442.9	1319.8	1263.5	1259.4	1275.7	1274.1	1275.7
37.5°	2241.5	2247.2	2146.9	1910.3	1690.9	1520.4	1473.9	1469.0	1484.5	1475.6	1466.6
40°	2518.0	2544.9	2427.4	2224.3	1938.0	1764.3	1708.0	1681.1	1667.2	1657.4	1592.2
42.5°	2779.8	2763.5	2680.3	2454.4	2191.7	2002.5	1927.4	1876.9	1832.0	1825.5	1753.7
45°	2951.1	2930.7	2851.6	2642.8	2396.4	2239.8	2170.5	2109.3	2058.8	2035.9	1949.5
47.5°	2960.9	2951.1	2932.3	2775.7	2560.4	2424.2	2401.3	2368.7	2313.2	2314.1	2203.1
50°	2811.6	2796.1	2850.8	2791.2	2642.0	2570.2	2656.6	2692.5	2621.6	2614.2	2499.2
52.5°	2547.3	2539.2	2638.7	2697.4	2644.4	2672.1	2877.7	3008.2	2952.7	2923.4	2774.9
55°	2279.8	2289.6	2376.1	2470.7	2557.9	2701.5	3073.5	3333.7	3224.4	3204.8	3019.6
57.5°	1915.2	1947.8	2076.7	2225.2	2362.2	2660.7	3176.2	3540.0	3512.3	3504.9	3346.7
60°	1515.5	1512.3	1703.1	1919.3	2144.4	2526.1	3181.9	3799.4	3953.6	3918.5	3695.0
62.5°	1177.0	1185.2	1322.2	1593.0	1894.8	2321.4	3103.6	3915.2	4018.0	3978.0	3783.1
65°	852.4	865.4	1032.6	1251.2	1592.2	2044.9	2881.0	3757.8	4105.3	4080.8	3970.7
66°	765.9	754.5	901.3	1149.3	1473.1	1922.5	2740.7	3662.4	4110.2	4096.3	3965.0
67.5°	615.8	630.5	743.9	960.0	1281.4	1727.6	2487.0	3509.8	3982.9	3964.2	3876.1
70°	456.0	469.8	547.3	720.2	972.3	1377.7	2056.3	3031.9	3682.8	3696.6	3686.8
72.5°	337.7	352.4	405.4	530.2	719.4	1024.5	1629.7	2555.5	3149.3	3181.9	3159.1
75°	262.6	268.4	312.4	399.7	526.1	721.9	1205.6	1980.5	2563.7	2624.0	2645.2
77.5°	211.3	216.2	252.0	308.3	394.0	526.9	845.0	1476.4	2029.4	2071.8	2111.8
80°	170.5	173.7	203.1	248.0	301.8	376.8	570.2	1072.6	1557.1	1581.6	1640.3
82.5°	137.0	139.5	160.7	199.0	241.4	286.3	405.4	748.8	1222.7	1245.5	1319.8
85°	107.7	109.3	128.1	158.2	194.1	226.8	292.8	529.4	880.9	902.1	991.9
87.5°	84.8	86.5	101.1	123.2	156.6	179.4	216.2	356.4	594.6	624.8	726.8
90°	66.9	67.7	78.3	95.4	121.5	146.0	169.7	248.8	396.4	413.5	470.6
92.5°	50.6	51.4	59.5	72.6	94.6	115.8	129.7	172.1	253.7	261.0	301.8
95°	37.5	38.3	44.9	53.0	71.0	90.5	100.3	120.7	159.9	169.7	180.3
97.5°	29.4	30.2	34.3	39.2	52.2	71.0	79.9	88.9	109.3	112.6	120.7
100°	25.3	25.3	27.7	31.0	39.2	55.5	62.8	70.1	82.4	82.4	87.3
102.5°	21.2	21.2	22.8	24.5	31.8	44.0	50.6	55.5	62.0	62.8	66.9
105°	18.8	18.8	19.6	21.2	26.9	35.9	41.6	44.0	48.1	48.1	49.8
107.5°	16.3	16.3	17.1	17.9	23.7	30.2	33.4	34.3	35.9	35.9	38.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.5	15.5	15.5	16.3	20.4	26.1	27.7	26.9	27.7	27.7	30.2
112.5°	14.7	13.9	13.9	14.7	18.8	22.8	22.8	22.0	22.0	22.0	24.5
115°	13.9	13.9	13.1	13.9	17.1	19.6	19.6	17.9	17.9	17.9	20.4
117.5°	13.9	13.9	13.1	13.1	15.5	17.9	17.1	15.5	14.7	15.5	17.9
120°	13.9	13.9	12.2	12.2	14.7	15.5	15.5	13.1	13.1	13.1	15.5
122.5°	13.9	13.9	12.2	12.2	13.9	14.7	13.9	11.4	11.4	11.4	13.9
125°	14.7	13.9	12.2	12.2	13.1	13.1	12.2	10.6	9.8	9.8	12.2
127.5°	14.7	14.7	13.1	12.2	12.2	12.2	11.4	9.8	9.0	9.0	11.4
130°	16.3	15.5	13.9	12.2	11.4	10.6	9.8	9.0	9.0	9.0	10.6
132.5°	16.3	16.3	13.9	11.4	10.6	9.8	9.0	7.3	8.2	8.2	9.8
135°	15.5	14.7	12.2	10.6	9.8	8.2	7.3	6.5	7.3	7.3	9.0
137.5°	13.9	13.1	11.4	9.0	8.2	6.5	5.7	4.9	5.7	5.7	7.3
140°	11.4	11.4	9.0	7.3	6.5	5.7	4.9	3.3	4.1	4.9	5.7
142.5°	9.8	9.0	7.3	5.7	4.9	4.1	3.3	2.4	3.3	3.3	4.1
145°	8.2	7.3	5.7	4.1	3.3	2.4	1.6	1.6	1.6	1.6	2.4
147.5°	6.5	5.7	4.1	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
150°	4.9	4.9	3.3	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.1	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	207.2	205.5	203.9	202.3	200.7	199.8	197.4	195.8	195.8	195.8	194.9
5°	209.6	206.4	202.3	199.0	194.9	191.7	189.2	186.8	185.2	185.2	185.2
7.5°	215.3	212.1	204.7	198.2	192.5	187.6	184.3	181.9	181.1	180.3	180.3
10°	228.4	222.7	212.9	203.1	194.9	188.4	185.2	183.5	182.7	182.7	182.7
12.5°	257.8	249.6	234.9	218.6	204.7	194.9	191.7	191.7	196.6	199.0	199.0
15°	296.9	289.6	272.4	249.6	227.6	211.3	208.8	214.5	221.0	224.3	223.5
17.5°	350.7	341.0	318.1	287.9	258.6	242.3	234.9	240.6	248.8	252.9	252.9
20°	414.4	404.6	373.6	332.8	296.9	279.0	267.5	267.5	278.1	281.4	283.0
22.5°	501.6	487.0	442.9	386.6	340.1	312.4	298.5	296.1	308.3	314.0	312.4
25°	599.5	588.1	536.7	452.7	392.3	347.5	328.7	328.7	344.2	357.3	358.1
27.5°	736.6	708.0	636.2	533.4	442.9	380.1	359.7	363.8	380.1	393.2	393.2
30°	880.1	859.7	754.5	619.1	491.9	410.3	380.9	387.4	402.1	416.8	416.8
32.5°	1053.8	1019.6	889.9	703.9	536.7	429.9	392.3	401.3	418.4	433.1	433.1
35°	1223.5	1195.8	1026.1	792.8	575.9	438.0	397.2	407.8	427.4	445.4	447.0
37.5°	1420.9	1360.5	1159.1	872.8	604.4	439.6	395.6	414.4	440.5	460.9	461.7
40°	1539.2	1466.6	1248.8	932.3	617.5	433.9	395.6	419.3	441.3	448.6	447.8
42.5°	1679.5	1588.1	1311.6	939.7	601.2	422.5	394.8	413.5	423.3	423.3	422.5
45°	1867.9	1765.1	1411.1	943.7	567.7	408.7	388.3	400.5	398.0	390.7	388.3
47.5°	2098.7	1973.9	1537.5	958.4	535.1	394.8	380.9	384.2	372.8	356.4	355.6
50°	2374.4	2227.6	1686.0	973.9	506.5	383.4	374.4	371.1	359.7	345.8	344.2
52.5°	2633.0	2456.0	1820.6	984.5	482.9	376.0	369.5	368.7	357.3	339.3	337.7
55°	2867.1	2655.0	1911.1	964.1	461.7	372.8	369.5	370.3	355.6	337.7	335.2
57.5°	3205.6	2973.1	2054.7	933.9	436.4	371.9	371.9	372.8	354.8	337.7	335.2
60°	3500.1	3241.5	2195.8	931.5	411.9	371.1	372.8	371.9	358.9	348.3	345.8
62.5°	3601.2	3354.9	2202.3	872.8	396.4	367.1	369.5	373.6	371.1	366.2	363.8
65°	3792.1	3522.9	2230.0	806.7	374.4	359.7	365.4	376.0	377.7	374.4	371.9
66°	3778.2	3499.2	2203.1	786.3	367.1	355.6	363.0	374.4	377.7	376.8	375.2
67.5°	3709.7	3438.1	2114.2	728.4	356.4	348.3	358.9	370.3	377.7	380.1	378.5
70°	3524.5	3253.7	1937.2	641.1	336.1	331.2	345.8	360.5	372.8	376.8	376.0
72.5°	3003.3	2745.6	1620.7	547.3	307.5	306.7	323.8	341.8	356.4	360.5	358.9
75°	2521.2	2267.6	1331.2	451.1	278.1	279.0	295.3	312.4	323.8	323.8	324.6
77.5°	2021.2	1806.7	1054.7	374.4	248.0	248.0	259.4	273.3	280.6	277.3	272.4
80°	1554.7	1412.7	823.8	313.2	217.8	216.2	221.9	232.5	238.2	230.8	225.1
82.5°	1255.3	1133.0	651.7	261.0	188.4	186.8	189.2	196.6	199.8	191.7	189.2
85°	952.7	842.6	490.2	214.5	163.1	159.1	163.1	164.8	168.8	161.5	156.6
87.5°	673.7	597.1	355.6	178.6	139.5	137.0	136.2	137.8	140.3	135.4	133.0
90°	452.7	397.2	256.9	149.3	119.1	115.0	113.4	113.4	115.0	106.9	104.4
92.5°	290.4	256.9	178.6	119.1	99.5	94.6	91.4	92.2	91.4	83.2	81.6
95°	181.1	164.0	128.9	93.8	79.9	75.9	72.6	71.8	71.0	65.3	63.6
97.5°	118.3	112.6	96.2	74.2	63.6	60.4	58.7	57.9	57.9	53.8	51.4
100°	88.1	85.6	75.9	62.0	52.2	49.8	48.1	48.1	49.8	46.5	44.9
102.5°	68.5	69.3	62.0	52.2	44.0	42.4	40.8	40.8	42.4	40.8	40.0
105°	52.2	52.2	50.6	43.2	37.5	36.7	35.1	35.1	36.7	36.7	36.7
107.5°	40.8	42.4	40.8	35.9	32.6	31.8	30.2	30.2	31.8	32.6	33.4



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.6	34.3	33.4	31.0	28.5	27.7	26.1	25.3	26.9	29.4	29.4
112.5°	26.1	27.7	27.7	26.1	24.5	24.5	22.8	22.0	23.7	26.1	26.1
115°	22.0	23.7	23.7	22.8	22.0	21.2	19.6	18.8	20.4	22.8	23.7
117.5°	18.8	20.4	20.4	20.4	19.6	18.8	17.1	16.3	17.1	19.6	20.4
120°	17.1	17.9	17.9	17.9	17.1	17.1	15.5	14.7	15.5	17.9	17.9
122.5°	14.7	15.5	16.3	16.3	15.5	15.5	13.9	12.2	13.1	15.5	16.3
125°	13.1	13.9	14.7	14.7	13.9	13.9	12.2	11.4	12.2	13.9	14.7
127.5°	12.2	13.1	13.1	13.1	13.1	12.2	10.6	9.8	10.6	13.1	13.1
130°	11.4	12.2	12.2	12.2	11.4	10.6	9.8	9.0	9.8	12.2	12.2
132.5°	10.6	11.4	11.4	10.6	10.6	9.8	8.2	7.3	9.0	10.6	10.6
135°	9.0	9.8	9.8	9.8	9.0	8.2	7.3	6.5	8.2	9.0	9.0
137.5°	7.3	8.2	8.2	8.2	7.3	6.5	5.7	5.7	6.5	8.2	8.2
140°	5.7	6.5	6.5	6.5	5.7	5.7	4.9	4.1	5.7	6.5	6.5
142.5°	4.1	4.9	4.9	4.9	4.1	4.1	3.3	3.3	4.9	5.7	5.7
145°	2.4	3.3	3.3	3.3	3.3	2.4	2.4	2.4	3.3	4.1	4.1
147.5°	1.6	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	3.3	3.3
150°	0.8	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	2.4
152.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
157.5°	0.0	0.0	0.0	0.8	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)