

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: P416000

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7340 lumens
Efficiency: N/A
Efficacy: 114.7 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: B2 - U3 - G3

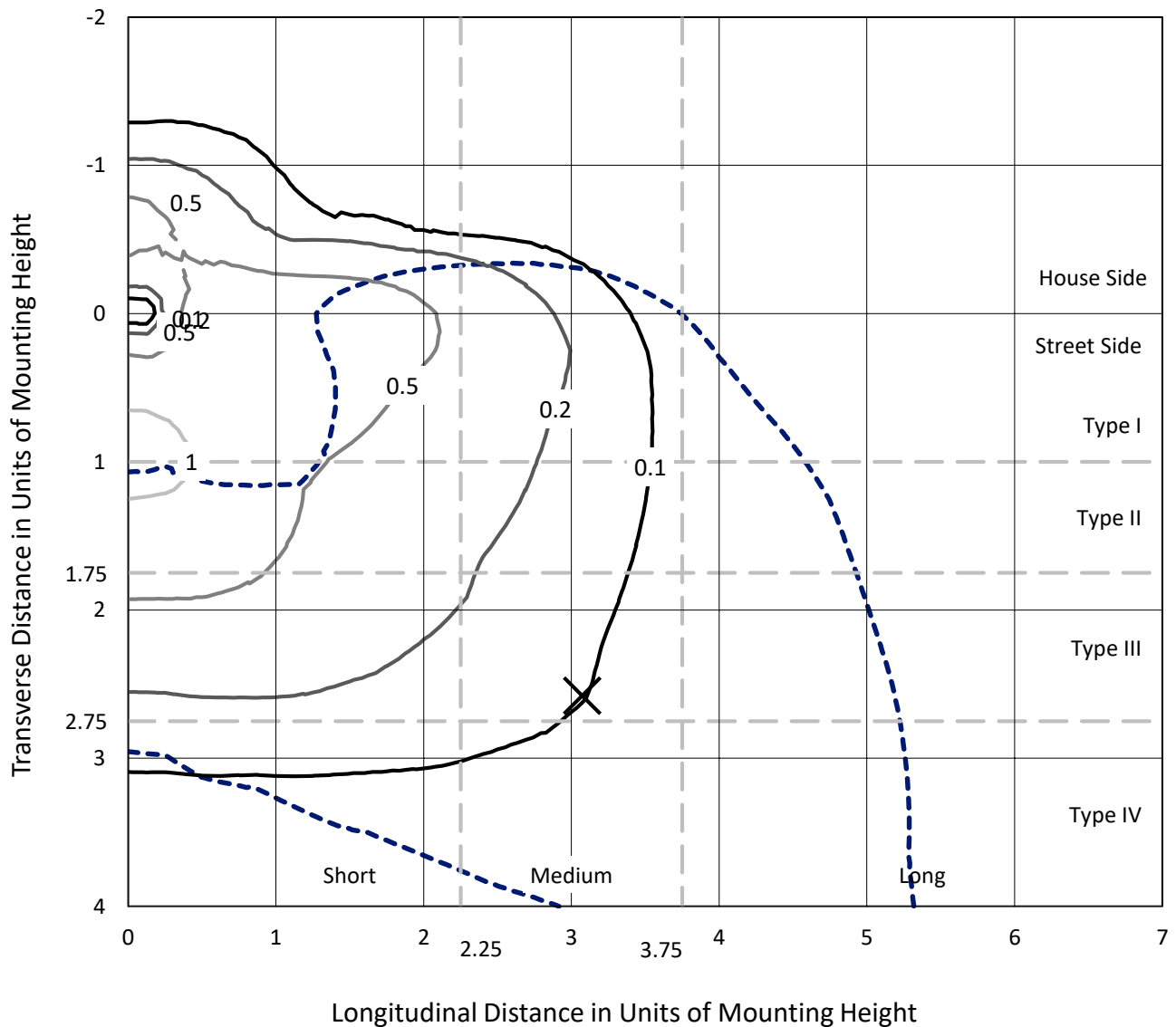
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

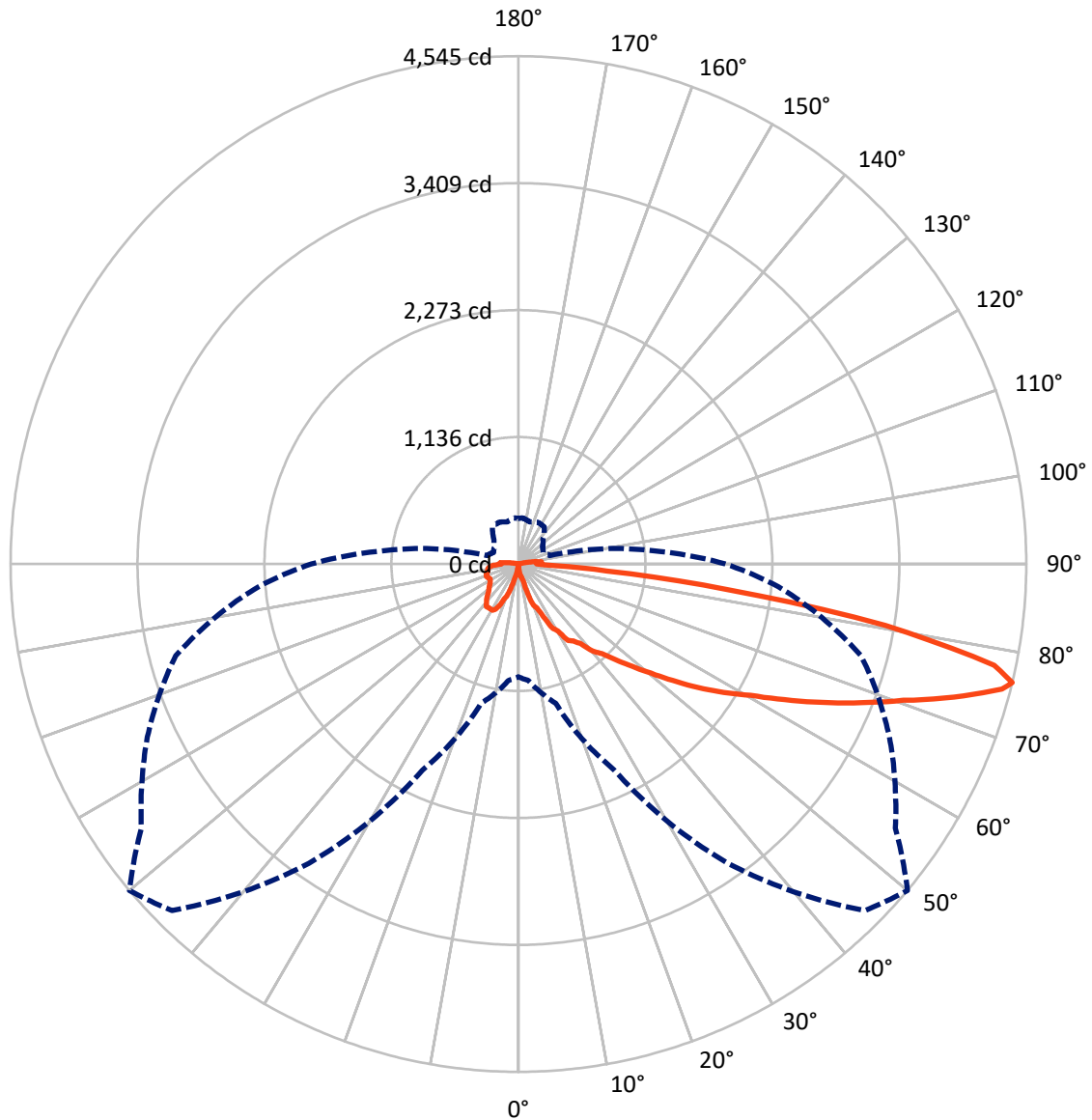


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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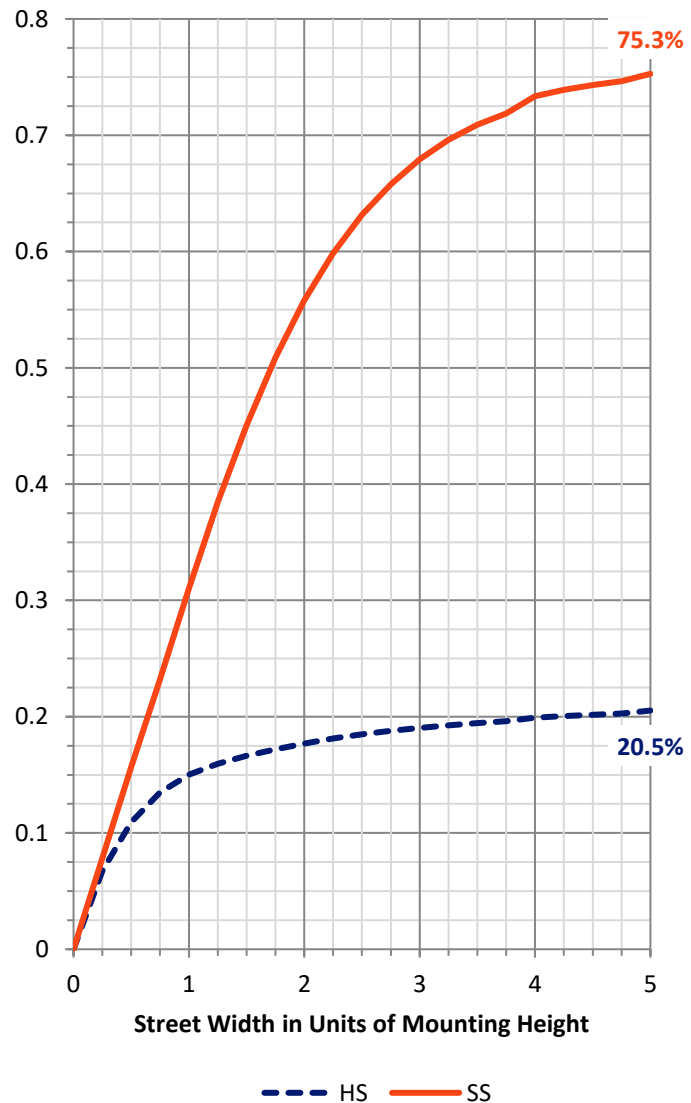
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1602.0	90.3	1692.2
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	5575.3	72.4	5647.8
	% Fixture	76.0	1.0	76.9
Total	Lumens	7177.3	162.7	7340.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	61.2	0.8
20°-30°	239.4	3.3
30°-40°	515.4	7.0
40°-50°	839.7	11.4
50°-60°	1351.8	18.4
60°-70°	1969.0	26.8
70°-80°	1756.6	23.9
80°-90°	440.0	6.0
90°-100°	128.9	1.8
100°-110°	19.1	0.3
110°-120°	5.5	0.1
120°-130°	3.8	0.1
130°-140°	2.5	0.0
140°-150°	2.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7177.3	97.8
0°-180°	7340.0	100.0



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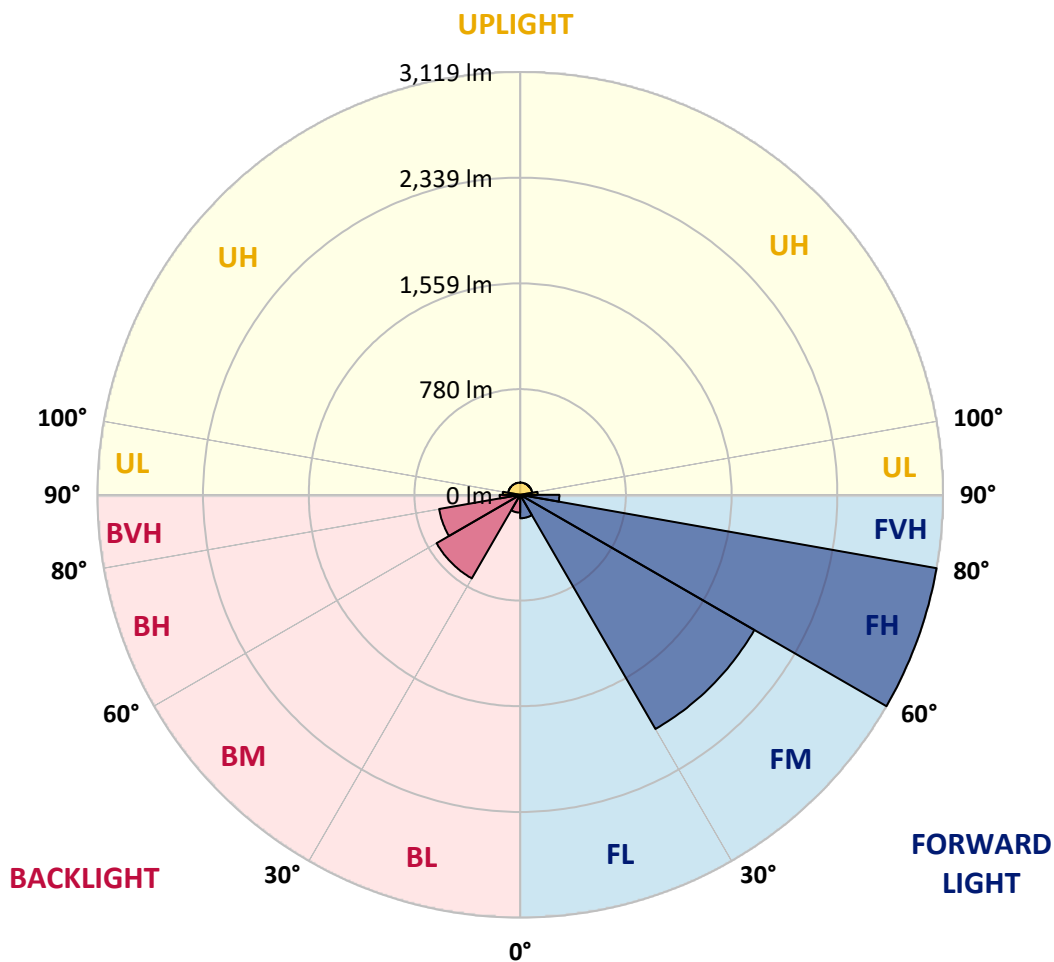
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.1	2.4			
FM	(30°-60°)	1994.5	27.2			
FH	(60°-80°)	3118.8	42.5			G2/5000
FVH	(80°-90°)	288.9	3.9			G3/500
BL	(0°-30°)	131.7	1.8	B1/500		
BM	(30°-60°)	712.3	9.7	B1/1000		
BH	(60°-80°)	606.9	8.3	B2/1000		G2/1000
BVH	(80°-90°)	151.1	2.1			G2/225
UL	(90°-100°)	128.9	1.8		U3/500	
UH	(100°-180°)	90.3	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	10.6	8.2	7.3	6.5	6.5	5.7	5.7	4.9	4.9	4.9	4.9
5°	102.8	99.5	92.2	85.7	29.4	24.5	20.4	15.5	5.7	5.7	4.9
7.5°	123.2	120.7	115.8	112.6	107.7	100.3	92.2	43.2	17.1	6.5	5.7
10°	161.5	149.3	139.5	131.3	125.6	113.4	110.1	103.6	28.6	12.2	9.0
12.5°	288.8	282.2	272.5	185.2	152.5	130.5	125.6	119.9	93.0	44.0	79.1
15°	318.1	311.6	301.8	289.6	271.6	160.7	150.9	187.6	239.8	180.3	188.4
17.5°	373.6	370.3	344.2	314.9	296.9	315.7	316.5	287.1	272.5	238.2	217.0
20°	518.0	514.7	500.0	425.0	336.1	398.9	397.3	382.6	305.9	351.6	378.5
22.5°	539.2	535.1	522.1	501.7	531.9	437.2	426.6	426.6	451.1	478.0	445.4
25°	709.7	705.6	606.1	527.8	570.2	520.4	522.1	577.5	499.2	524.5	500.9
27.5°	741.5	735.8	727.6	675.4	600.4	659.1	650.1	620.0	649.3	724.4	699.1
30°	865.5	802.7	775.8	745.6	708.9	698.3	694.2	748.8	770.1	765.2	772.5
32.5°	1004.2	1001.7	975.6	795.3	801.9	750.5	816.6	841.0	808.4	929.1	1006.6
35°	1206.5	1123.3	1072.7	952.8	834.5	867.9	845.1	870.4	982.1	993.6	1067.8
37.5°	1516.5	1511.6	1395.7	1051.5	962.6	888.3	904.7	974.8	1048.2	1064.5	1164.9
40°	1772.6	1748.9	1675.5	1310.9	1046.6	960.9	1026.2	1010.7	1088.2	1145.3	1241.6
42.5°	1962.7	1984.7	1943.1	1517.3	1215.4	1076.0	1095.5	1075.1	1146.9	1253.8	1351.7
45°	2144.6	2135.6	2164.2	1726.9	1377.8	1223.6	1222.0	1172.2	1254.6	1374.5	1503.4
47.5°	2293.0	2280.0	2309.4	1954.5	1564.6	1357.4	1368.8	1304.4	1383.5	1525.4	1728.5
50°	2458.6	2433.3	2452.9	2145.4	1808.5	1550.7	1535.2	1485.5	1530.3	1723.7	2003.5
52.5°	2657.7	2639.7	2604.6	2335.5	2059.7	1749.8	1730.2	1682.0	1731.0	1970.0	2307.7
55°	2836.3	2815.9	2787.4	2597.3	2268.6	1952.1	1952.9	1904.7	2000.2	2239.2	2660.9
57.5°	3022.3	3012.5	3027.2	2890.2	2567.1	2163.3	2168.2	2138.9	2310.2	2515.7	3035.4
60°	3176.5	3161.8	3243.4	3189.5	2832.2	2404.8	2385.2	2417.0	2626.7	2804.5	3414.7
62.5°	3235.2	3245.0	3399.2	3465.3	3089.2	2665.0	2672.4	2715.6	2919.5	3150.4	3780.1
65°	2959.5	2993.8	3424.5	3513.4	3375.5	2953.8	2988.9	2981.5	3219.7	3404.9	4088.5
67.5°	2660.1	2699.3	3167.5	3525.6	3597.4	3293.1	3311.1	3238.5	3478.3	3564.0	4318.5
70°	2448.0	2478.2	2863.2	3456.3	3733.6	3647.2	3655.3	3520.7	3665.9	3750.8	4310.4
72.5°	2080.9	2112.8	2468.4	3194.4	3818.5	4076.2	4076.2	3779.3	3817.6	3746.7	3806.2
75°	1406.3	1418.6	1709.8	2479.8	3599.0	4426.2	4468.6	4061.6	3765.4	3403.3	2838.8
76°	1009.9	1047.4	1291.3	2036.1	3268.7	4386.2	4545.3	4118.7	3663.5	3175.7	2336.3
77.5°	535.1	569.4	761.9	1303.5	2651.1	4078.7	4353.6	3943.3	3340.4	2726.2	1727.7
80°	209.6	207.2	261.9	464.2	1342.7	3102.2	3331.5	2906.5	2259.6	1579.3	820.6
82.5°	115.0	126.4	166.4	245.5	582.4	1711.4	1881.9	1533.6	1153.5	728.5	479.7
85°	73.4	75.0	97.9	151.7	359.7	721.1	792.1	656.7	540.0	447.0	341.0
87.5°	44.0	45.7	51.4	70.2	177.8	212.1	231.7	272.5	310.0	307.5	294.5
90°	30.2	30.2	25.3	27.7	83.2	169.7	163.1	173.8	158.3	200.7	283.9
92.5°	29.4	29.4	24.5	25.3	71.0	188.4	189.3	188.4	167.2	204.7	298.6
95°	26.1	26.9	21.2	22.0	52.2	176.2	207.2	200.7	168.9	206.4	297.7
97.5°	22.0	22.8	16.3	18.8	35.1	119.1	154.2	157.4	105.2	104.4	134.6
100°	16.3	17.1	11.4	14.7	21.2	54.7	82.4	77.5	52.2	28.6	18.8
102.5°	15.5	16.3	9.8	11.4	13.1	18.8	30.2	22.8	19.6	16.3	16.3
105°	17.1	17.1	9.0	8.2	8.2	9.0	7.3	10.6	11.4	12.2	17.1
107.5°	14.7	15.5	6.5	6.5	5.7	5.7	4.9	4.9	6.5	10.6	18.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	11.4	11.4	5.7	5.7	4.1	4.9	4.9	4.1	5.7	8.2	14.7
112.5°	6.5	7.3	3.3	4.9	3.3	4.1	4.1	3.3	4.9	5.7	8.2
115°	6.5	6.5	3.3	2.4	2.4	2.4	3.3	3.3	4.1	5.7	9.0
117.5°	6.5	6.5	3.3	2.4	1.6	2.4	2.4	2.4	4.1	5.7	9.0
120°	6.5	6.5	3.3	1.6	1.6	1.6	1.6	2.4	4.1	5.7	9.0
122.5°	7.3	6.5	3.3	1.6	1.6	1.6	1.6	2.4	4.1	5.7	8.2
125°	7.3	6.5	3.3	1.6	1.6	1.6	1.6	2.4	3.3	4.9	7.3
127.5°	7.3	6.5	3.3	1.6	1.6	1.6	1.6	2.4	3.3	4.9	6.5
130°	6.5	6.5	3.3	1.6	1.6	1.6	1.6	2.4	3.3	4.9	6.5
132.5°	6.5	5.7	3.3	1.6	1.6	1.6	1.6	2.4	3.3	4.1	5.7
135°	5.7	4.9	3.3	1.6	2.4	1.6	2.4	2.4	3.3	4.1	4.9
137.5°	4.9	4.9	3.3	2.4	2.4	2.4	2.4	2.4	3.3	4.1	4.1
140°	5.7	4.9	3.3	3.3	2.4	2.4	2.4	2.4	3.3	4.1	4.1
142.5°	6.5	5.7	4.1	3.3	3.3	2.4	2.4	3.3	3.3	4.1	4.1
145°	6.5	6.5	4.9	4.1	2.4	2.4	2.4	3.3	4.1	4.1	4.9
147.5°	7.3	6.5	4.9	4.1	2.4	1.6	2.4	2.4	4.1	4.9	4.9
150°	6.5	6.5	4.1	3.3	1.6	0.8	1.6	2.4	4.1	4.9	4.9
152.5°	4.9	4.9	3.3	1.6	0.8	0.8	1.6	2.4	3.3	4.1	4.9
155°	3.3	3.3	1.6	0.8	0.0	0.8	0.8	1.6	2.4	3.3	4.1
157.5°	1.6	1.6	0.8	0.0	0.0	0.8	0.8	1.6	2.4	3.3	3.3
160°	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	2.4	2.4
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.9	4.1	4.1	3.3	3.3	2.4	2.4	2.4	2.4	3.3	4.1
5°	4.9	4.9	4.1	4.1	4.1	3.3	3.3	4.9	5.7	6.5	6.5
7.5°	4.9	4.9	4.9	4.1	4.9	6.5	26.1	75.0	82.4	87.3	88.9
10°	9.0	8.2	7.3	6.5	12.2	83.2	102.8	111.8	115.8	119.9	119.9
12.5°	85.7	85.7	35.1	19.6	84.0	111.8	117.5	124.0	129.7	135.4	136.2
15°	186.0	183.5	177.0	162.3	140.3	126.4	132.1	195.8	230.0	245.5	243.1
17.5°	212.9	209.6	205.6	234.1	243.9	195.0	227.6	252.9	260.2	268.4	267.6
20°	394.8	390.7	304.3	272.5	266.7	327.1	260.2	265.9	279.0	355.7	358.1
22.5°	442.1	437.2	407.1	415.2	311.6	354.8	343.4	359.7	401.3	413.6	415.2
25°	518.0	498.4	461.7	434.0	441.3	370.3	427.4	400.5	416.0	430.7	433.2
27.5°	717.0	705.6	640.4	486.2	450.3	463.3	445.4	435.6	520.4	551.4	553.9
30°	772.5	761.1	679.5	562.9	474.8	474.8	448.7	543.3	547.4	563.7	567.8
32.5°	1049.9	1027.0	863.9	571.8	492.7	453.5	508.2	535.1	600.4	649.3	657.5
35°	1114.3	1094.7	891.6	653.4	476.4	472.3	479.7	563.7	611.8	641.2	647.7
37.5°	1181.2	1159.2	888.3	622.4	504.9	450.3	466.6	527.0	596.3	672.2	682.0
40°	1272.5	1245.6	892.4	582.4	473.1	425.8	438.1	505.8	553.1	600.4	608.5
42.5°	1394.9	1341.1	899.8	546.5	436.4	415.2	417.7	456.8	478.8	498.4	498.4
45°	1559.7	1472.4	902.2	509.0	399.7	390.7	394.0	411.9	420.1	407.9	402.2
47.5°	1780.8	1634.7	932.4	475.6	368.7	363.8	366.3	372.0	367.9	336.1	330.4
50°	2038.5	1825.6	948.7	446.2	345.9	345.1	341.0	341.0	326.3	290.4	288.0
52.5°	2323.2	2053.2	962.6	410.3	329.6	333.6	333.6	316.5	294.5	265.9	263.5
55°	2684.6	2315.9	983.0	379.3	315.7	314.9	323.8	302.6	279.8	255.3	255.3
57.5°	3043.5	2594.0	1007.4	352.4	300.2	301.8	314.9	297.7	285.5	275.7	274.9
60°	3402.4	2881.2	968.3	327.9	294.5	291.2	312.4	316.5	301.8	307.5	313.2
62.5°	3739.3	3064.7	810.8	306.7	283.9	288.8	333.6	358.9	354.0	348.3	350.0
65°	3898.4	3102.2	657.5	288.0	276.5	305.9	367.9	406.2	389.9	371.2	369.5
67.5°	3925.3	3005.2	483.7	276.5	272.5	336.1	394.8	416.8	392.4	385.0	378.5
70°	3736.1	2758.8	386.7	264.3	275.7	341.0	411.9	414.4	396.4	404.6	396.4
72.5°	3177.3	2297.9	338.5	252.9	276.5	328.7	411.9	415.2	394.8	418.5	414.4
75°	2275.1	1611.1	301.0	243.1	267.6	314.9	406.2	414.4	389.9	416.0	409.5
76°	1853.4	1278.3	290.4	245.5	263.5	310.0	404.6	411.9	390.7	414.4	407.9
77.5°	1224.4	835.3	272.5	243.9	256.1	307.5	400.5	408.7	389.9	409.5	403.0
80°	655.0	473.1	245.5	227.6	247.2	309.2	397.3	400.5	374.4	396.4	388.3
82.5°	431.5	352.4	212.1	206.4	238.2	311.6	395.6	390.7	361.4	396.4	374.4
85°	338.5	291.2	159.1	165.6	217.0	301.0	390.7	376.9	350.0	359.7	346.7
87.5°	287.1	239.8	95.4	118.3	190.1	256.1	346.7	311.6	296.1	305.9	300.2
90°	270.0	212.1	53.8	83.2	142.8	170.5	218.6	203.1	196.6	208.0	205.6
92.5°	272.5	207.2	53.0	79.1	152.5	183.5	226.0	208.0	188.4	188.4	186.0
95°	260.2	193.3	52.2	62.8	137.9	178.6	212.1	186.8	151.7	144.4	141.9
97.5°	113.4	93.8	48.9	48.1	79.1	123.2	154.2	133.8	100.3	78.3	78.3
100°	18.8	30.2	42.4	46.5	46.5	65.3	87.3	82.4	48.1	25.3	26.1
102.5°	19.6	17.1	29.4	38.3	30.2	26.9	40.0	49.8	31.8	9.8	10.6
105°	20.4	17.9	14.7	26.9	17.1	9.0	12.2	22.8	14.7	9.8	9.8
107.5°	22.0	18.8	9.0	9.8	7.3	7.3	6.5	5.7	7.3	9.8	10.6



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CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.1	15.5	8.2	7.3	6.5	7.3	4.9	4.9	5.7	9.8	10.6
112.5°	9.8	9.8	7.3	5.7	5.7	6.5	4.1	4.1	5.7	10.6	10.6
115°	9.8	9.8	6.5	4.9	4.1	4.9	4.1	3.3	5.7	10.6	11.4
117.5°	9.8	9.8	6.5	4.9	4.1	3.3	3.3	3.3	5.7	10.6	11.4
120°	9.8	9.0	5.7	4.1	4.1	2.4	2.4	2.4	4.9	10.6	11.4
122.5°	9.0	9.0	5.7	4.1	3.3	2.4	2.4	2.4	4.9	9.8	10.6
125°	8.2	8.2	5.7	4.1	3.3	2.4	1.6	2.4	4.9	9.0	9.8
127.5°	7.3	7.3	4.9	4.1	3.3	2.4	1.6	2.4	4.9	9.0	9.8
130°	6.5	6.5	4.9	3.3	3.3	1.6	1.6	1.6	4.9	8.2	9.0
132.5°	5.7	5.7	4.1	3.3	2.4	1.6	0.8	1.6	4.1	7.3	7.3
135°	4.9	4.9	4.1	3.3	2.4	1.6	0.8	1.6	3.3	5.7	6.5
137.5°	4.1	4.1	3.3	3.3	2.4	1.6	0.8	1.6	2.4	4.9	4.9
140°	4.1	4.1	3.3	3.3	2.4	1.6	0.8	1.6	2.4	4.1	4.9
142.5°	4.1	4.1	3.3	3.3	2.4	1.6	0.8	1.6	2.4	4.1	4.9
145°	4.9	4.1	4.1	3.3	2.4	1.6	0.8	1.6	3.3	4.9	4.9
147.5°	4.9	4.9	4.1	3.3	2.4	1.6	0.8	1.6	3.3	4.9	4.9
150°	4.9	4.9	4.1	3.3	2.4	0.8	0.0	0.8	2.4	4.1	4.9
152.5°	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.0	1.6	3.3	3.3
155°	4.1	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
157.5°	3.3	3.3	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8
160°	2.4	2.4	1.6	1.6	0.8	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)