

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: P416952

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6961.1 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

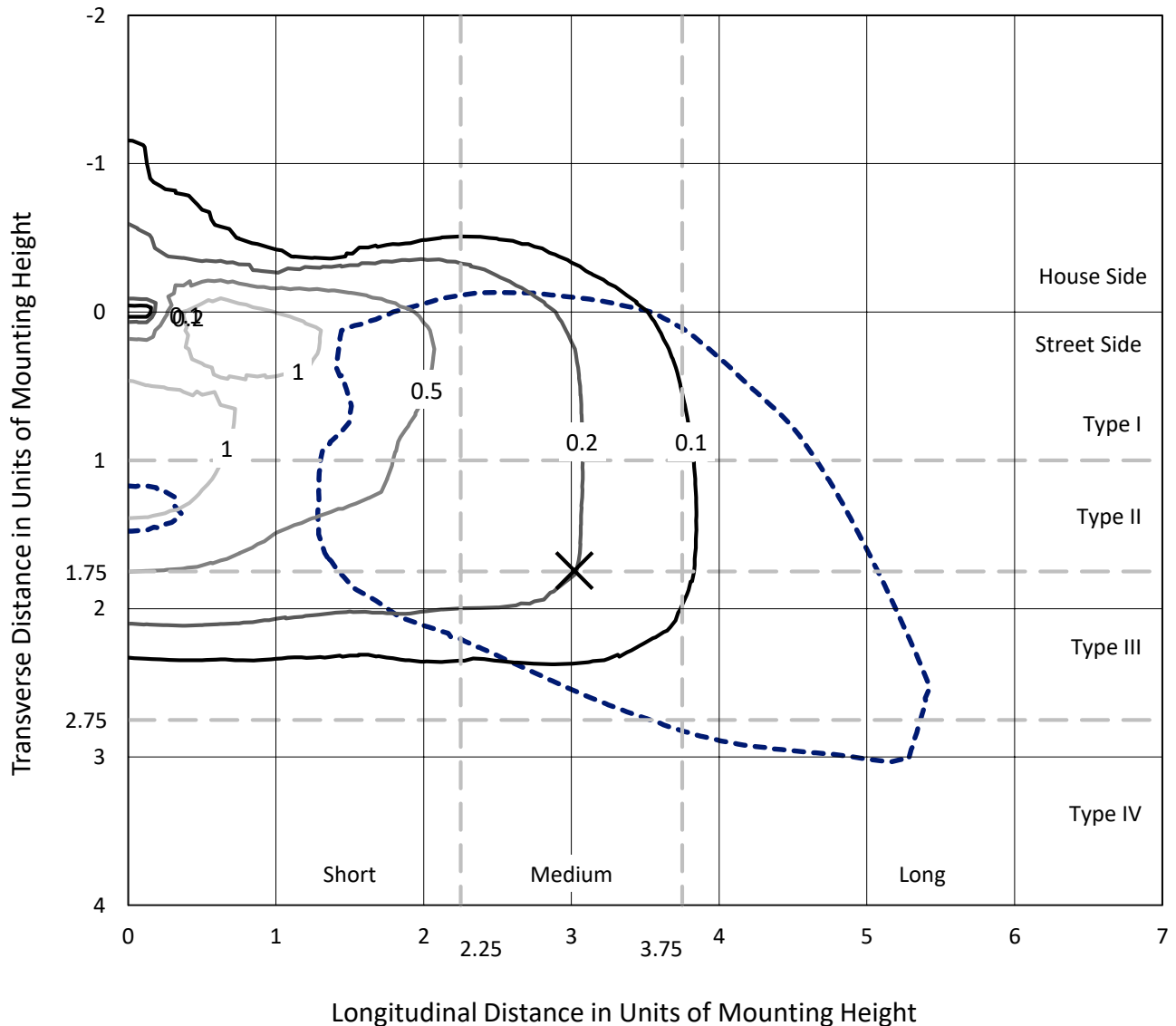
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

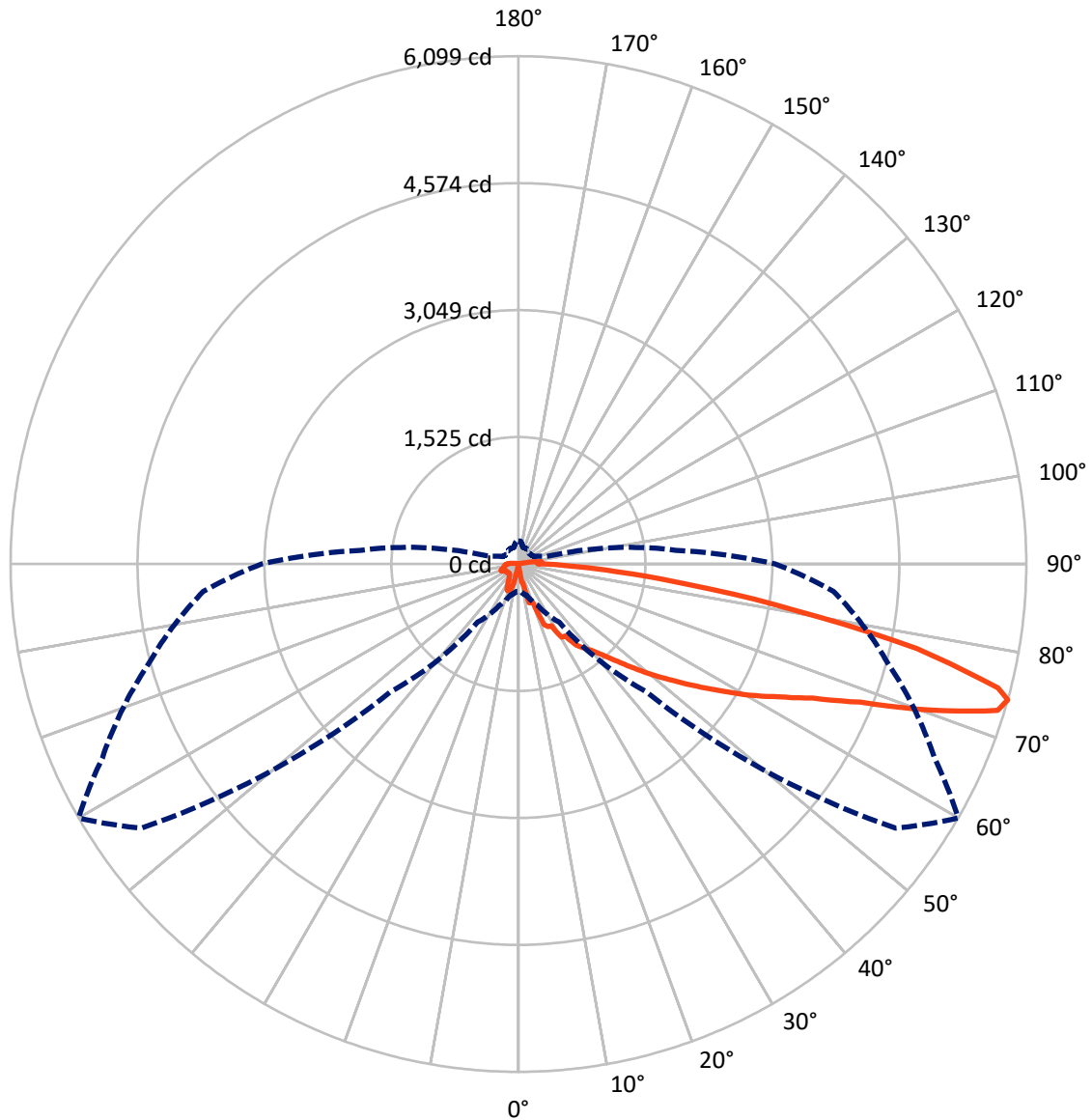
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1068.3	67.7	1136.0
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	5752.5	72.6	5825.1
	% Fixture	82.6	1.0	83.7
Total	Lumens	6820.8	140.2	6961.1
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	88.9	1.3
20°-30°	269.2	3.9
30°-40°	538.8	7.7
40°-50°	924.3	13.3
50°-60°	1409.0	20.2
60°-70°	1736.1	24.9
70°-80°	1451.4	20.9
80°-90°	395.3	5.7
90°-100°	102.1	1.5
100°-110°	18.3	0.3
110°-120°	6.8	0.1
120°-130°	5.2	0.1
130°-140°	3.6	0.1
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6820.8	98.0
0°-180°	6961.1	100.0



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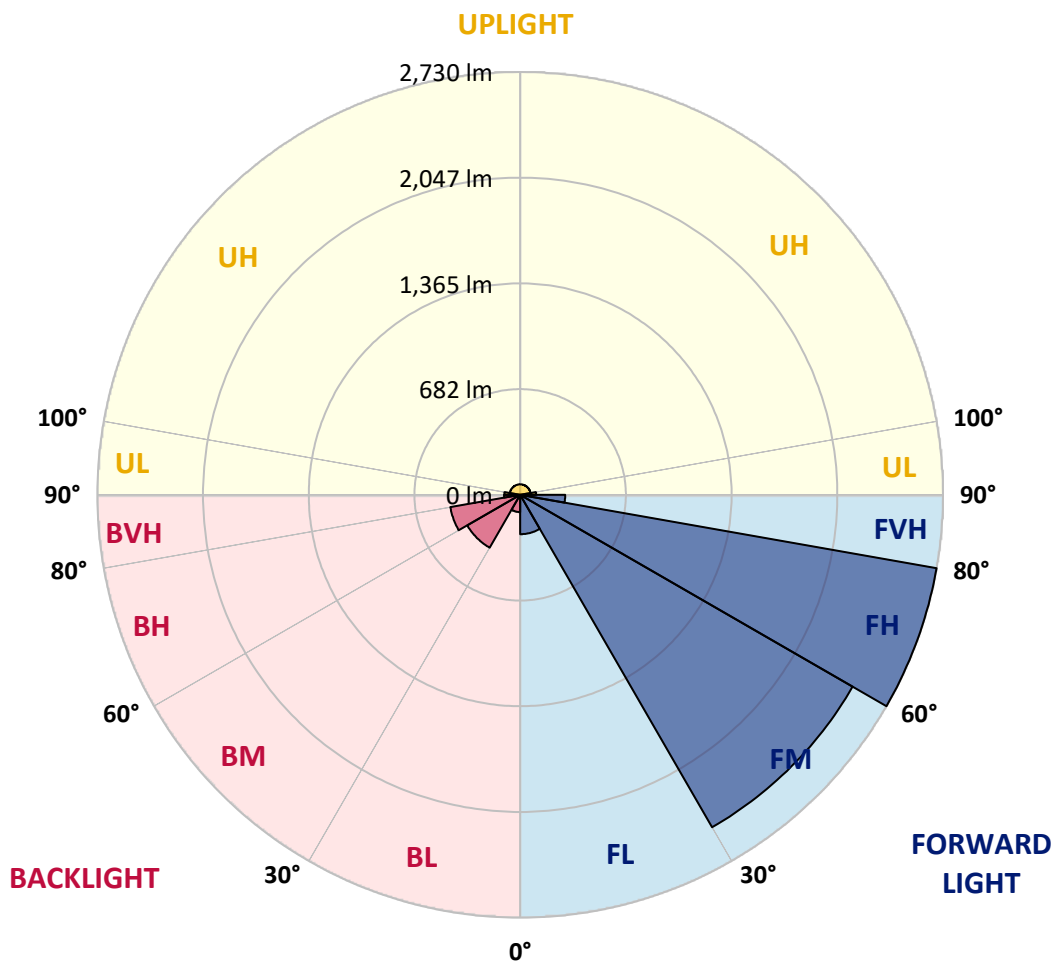
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.2	3.7			
FM (30°-60°)	2478.1	35.6			
FH (60°-80°)	2729.7	39.2			G2/5000
FVH (80°-90°)	290.6	4.2			G3/500
BL (0°-30°)	111.6	1.6	B1/500		
BM (30°-60°)	394.1	5.7	B1/1000		
BH (60°-80°)	457.9	6.6	B1/500		G1/500
BVH (80°-90°)	104.7	1.5			G2/225
UL (90°-100°)	102.1	1.5		U3/500	
UH (100°-180°)	67.7	1.0		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	8.7	7.9	7.2	7.9	8.7	7.9	6.4	5.6	4.8	4.8	4.8
5°	232.0	228.9	227.3	177.2	42.1	26.2	10.3	7.2	6.4	4.8	4.8
7.5°	235.2	232.0	232.8	232.0	228.1	228.1	73.9	27.0	15.1	5.6	5.6
10°	247.9	243.2	236.8	236.0	234.4	232.0	228.1	223.3	50.9	8.7	7.9
12.5°	457.7	455.3	452.1	348.8	252.7	235.2	232.8	227.3	174.8	33.4	154.2
15°	454.5	453.7	448.2	450.6	449.8	255.9	290.0	483.9	464.9	336.9	388.6
17.5°	476.8	474.4	457.7	447.4	448.2	510.9	474.4	477.6	479.2	425.9	416.4
20°	646.8	642.9	641.3	623.0	455.3	599.9	611.9	495.8	507.8	661.1	739.0
22.5°	654.8	649.2	642.9	638.1	718.3	597.6	646.8	789.9	754.1	874.9	824.8
25°	884.4	869.3	806.5	653.2	717.5	688.1	836.7	832.8	788.3	913.0	882.0
27.5°	957.5	947.2	901.1	866.1	731.8	824.0	832.0	840.7	991.7	1259.5	1173.7
30°	1282.5	1202.3	994.9	973.4	873.3	831.2	951.2	1019.5	1115.7	1265.0	1241.2
32.5°	1468.5	1429.5	1329.4	1176.0	1022.7	909.0	1031.4	1031.4	1121.2	1528.9	1569.4
35°	1769.6	1644.1	1448.6	1344.5	1166.5	1087.8	1063.2	1197.5	1325.4	1605.9	1603.6
37.5°	1878.5	1866.6	1793.5	1474.0	1371.5	1183.2	1239.6	1280.9	1389.0	1717.2	1712.4
40°	1938.1	1964.3	1969.9	1753.7	1523.3	1366.8	1346.9	1369.9	1474.0	1873.7	1813.3
42.5°	2139.9	2149.5	2178.9	1932.5	1750.6	1567.0	1511.4	1501.8	1574.2	2055.7	1946.8
45°	2465.7	2470.5	2449.0	2138.3	1935.7	1765.7	1703.7	1667.1	1730.7	2236.1	2116.1
47.5°	2839.2	2850.3	2747.0	2371.2	2104.2	1957.2	1923.8	1867.4	1907.9	2399.0	2326.7
50°	3136.4	3133.2	2948.8	2559.5	2274.2	2153.4	2143.1	2090.7	2095.4	2596.8	2553.9
52.5°	3213.5	3208.7	3051.4	2698.5	2429.2	2357.6	2404.5	2323.5	2281.4	2801.8	2789.9
55°	3097.4	3106.2	3032.3	2756.6	2527.7	2537.2	2658.8	2588.9	2531.7	2995.7	3014.8
57.5°	2929.8	2919.4	2930.6	2778.8	2604.8	2712.8	2961.6	2874.2	2819.3	3215.0	3236.5
60°	2619.1	2604.8	2748.6	2755.0	2676.3	2911.5	3283.4	3198.4	3121.3	3446.3	3423.2
62.5°	2146.3	2128.0	2387.8	2608.8	2758.1	3144.3	3601.2	3509.1	3434.4	3691.8	3648.1
65°	1428.7	1515.3	1819.7	2289.3	2727.9	3479.7	4021.6	3883.3	3747.4	3943.7	3935.8
67.5°	828.8	890.8	1114.1	1628.2	2479.2	3766.5	4688.3	4426.1	4191.6	4229.0	4210.7
70°	514.1	533.2	630.1	939.2	1747.4	3672.0	5427.3	5258.0	4761.4	4546.8	4253.6
72.5°	398.9	411.6	467.2	613.4	1062.4	2840.0	5778.5	6016.1	5336.7	4630.3	4042.3
74°	326.6	334.5	392.5	549.1	852.6	2165.4	5529.0	6098.7	5513.1	4589.7	3799.1
75°	258.3	266.2	331.4	526.8	810.5	1727.5	5159.5	5945.4	5518.7	4527.0	3505.9
77.5°	158.1	163.7	178.8	363.9	736.6	986.9	3807.0	4894.1	4890.9	3759.4	2514.2
80°	125.6	127.1	133.5	191.5	599.9	894.7	2410.9	3377.9	3353.3	2256.7	1288.1
82.5°	86.6	93.0	105.7	124.0	319.4	876.5	1520.1	2098.6	1810.2	859.0	538.8
85°	58.0	62.8	80.3	92.2	170.8	932.9	1091.0	1180.8	890.8	425.1	355.2
87.5°	23.8	24.6	36.6	44.5	69.1	447.4	734.2	584.8	410.0	269.4	289.2
90°	12.7	12.7	9.5	10.3	25.4	96.1	240.0	232.8	193.1	221.7	271.8
92.5°	14.3	14.3	9.5	10.3	24.6	75.5	259.8	265.4	221.7	236.0	290.8
95°	15.9	15.9	9.5	9.5	23.8	51.7	249.5	280.5	228.1	247.9	293.2
97.5°	17.5	18.3	8.7	8.7	19.1	38.9	156.5	191.5	148.6	128.7	140.6
100°	18.3	18.3	7.9	7.9	12.7	27.8	72.3	92.2	71.5	33.4	23.0
102.5°	18.3	19.1	7.9	7.2	8.7	17.5	23.0	33.4	26.2	19.9	21.5
105°	17.5	19.1	7.9	7.2	7.2	9.5	11.9	13.5	14.3	14.3	22.2
107.5°	13.5	15.1	6.4	7.2	6.4	6.4	4.8	5.6	7.2	12.7	22.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.5	9.5	4.8	6.4	5.6	6.4	4.0	4.8	6.4	9.5	18.3
112.5°	4.8	4.0	3.2	4.8	4.8	5.6	4.0	4.0	5.6	7.9	12.7
115°	3.2	4.0	2.4	3.2	4.0	4.0	3.2	4.0	4.8	7.9	13.5
117.5°	3.2	3.2	2.4	3.2	4.0	3.2	3.2	4.0	4.8	7.9	13.5
120°	4.0	3.2	2.4	3.2	3.2	2.4	3.2	4.0	4.0	7.9	13.5
122.5°	4.0	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	7.9	12.7
125°	4.8	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	7.2	11.9
127.5°	4.8	4.8	3.2	3.2	4.0	2.4	3.2	3.2	4.0	6.4	11.1
130°	4.8	4.8	4.0	3.2	4.0	3.2	3.2	3.2	4.0	5.6	9.5
132.5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.8	7.9
135°	5.6	4.8	4.0	4.0	4.8	3.2	3.2	3.2	3.2	4.0	5.6
137.5°	5.6	5.6	4.8	4.8	5.6	4.0	3.2	4.0	4.0	4.0	4.8
140°	6.4	6.4	6.4	5.6	5.6	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	7.9	7.2	7.2	6.4	5.6	4.0	4.0	4.0	4.8	4.8	4.8
145°	8.7	8.7	7.9	7.2	5.6	4.0	4.0	4.8	4.8	5.6	5.6
147.5°	8.7	8.7	7.9	6.4	4.8	3.2	4.0	4.8	4.8	5.6	6.4
150°	8.7	7.9	7.2	5.6	4.0	2.4	3.2	4.0	4.8	5.6	6.4
152.5°	6.4	6.4	5.6	4.0	3.2	1.6	2.4	3.2	4.0	4.8	5.6
155°	4.0	4.0	3.2	2.4	2.4	1.6	2.4	3.2	3.2	4.0	4.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	3.2	3.2
160°	0.8	0.8	1.6	0.8	1.6	1.6	1.6	2.4	2.4	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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	4.8	4.8	4.8	4.0	4.0	2.4	3.2	3.2	4.0	4.8	5.6
5°	4.8	5.6	4.8	4.0	4.0	3.2	4.0	4.0	4.0	5.6	5.6
7.5°	5.6	5.6	4.8	4.8	4.0	3.2	5.6	171.6	197.1	203.4	205.0
10°	7.2	7.2	6.4	5.6	4.8	185.1	204.2	204.2	202.6	204.2	204.2
12.5°	158.1	170.0	27.0	13.5	152.6	192.3	187.5	184.4	181.2	178.0	176.4
15°	384.6	372.7	341.7	256.7	236.8	176.4	162.1	224.9	240.0	243.9	243.2
17.5°	406.1	387.0	340.1	356.8	313.1	225.7	203.4	201.8	193.1	193.1	193.9
20°	763.6	719.9	464.1	348.0	271.8	273.4	174.0	155.0	162.1	172.4	178.8
22.5°	784.3	727.1	542.7	452.9	244.7	220.9	170.0	150.2	202.6	223.3	224.9
25°	836.7	745.4	549.9	381.4	276.5	181.2	169.3	156.5	185.9	205.0	203.4
27.5°	1133.1	1005.2	698.5	351.2	218.5	170.8	159.7	150.2	185.1	216.1	215.3
30°	1131.5	990.9	645.2	323.4	180.4	158.9	145.4	163.7	172.4	184.4	185.1
32.5°	1469.3	1259.5	705.6	268.6	159.7	137.5	143.8	149.4	156.5	186.7	193.1
35°	1476.4	1231.7	612.7	246.3	147.0	131.1	135.1	147.8	162.9	182.0	183.6
37.5°	1505.0	1217.4	508.6	203.4	151.0	132.7	140.6	155.0	151.0	177.2	180.4
40°	1557.5	1221.3	427.5	182.0	148.6	132.7	147.0	149.4	150.2	163.7	165.3
42.5°	1638.5	1242.8	359.2	172.4	146.2	143.8	142.2	143.0	137.5	164.5	167.7
45°	1753.7	1287.3	306.7	169.3	146.2	167.7	148.6	143.0	131.1	189.1	202.6
47.5°	1923.8	1374.7	275.7	170.0	147.0	160.5	147.0	139.1	136.7	220.9	230.4
50°	2116.1	1474.8	255.1	173.2	147.0	158.1	144.6	143.0	151.8	224.1	226.5
52.5°	2322.7	1608.3	247.9	176.4	158.1	160.5	164.5	163.7	146.2	179.6	179.6
55°	2532.5	1746.6	250.3	180.4	166.9	164.5	175.6	155.0	125.6	133.5	131.9
57.5°	2730.3	1907.9	267.0	178.0	161.3	162.9	177.2	145.4	125.6	133.5	136.7
60°	2944.9	2082.7	313.1	171.6	158.9	158.1	174.8	153.4	125.6	153.4	154.2
62.5°	3206.3	2323.5	413.2	178.0	171.6	162.9	175.6	169.3	143.8	147.0	150.2
65°	3515.4	2572.2	508.6	202.6	181.2	163.7	173.2	178.0	162.9	157.3	156.5
67.5°	3741.9	2633.4	512.5	235.2	193.9	172.4	174.8	193.9	178.0	181.2	179.6
70°	3684.7	2466.5	444.2	248.7	201.8	179.6	179.6	201.0	187.5	215.3	216.1
72.5°	3405.0	2141.5	375.1	230.4	191.5	182.0	199.5	208.2	199.5	259.0	255.9
74°	3083.9	1896.8	344.9	209.8	187.5	181.2	205.0	208.2	205.8	276.5	274.1
75°	2837.6	1704.5	328.2	197.9	185.1	178.8	206.6	209.0	208.2	278.9	278.1
77.5°	1961.1	1151.4	286.9	176.4	181.2	178.8	205.8	213.8	219.3	277.3	274.9
80°	1006.0	630.1	239.2	166.9	179.6	183.6	203.4	206.6	215.3	262.2	259.8
82.5°	504.6	363.1	175.6	153.4	182.0	199.5	204.2	200.2	202.6	241.6	237.6
85°	325.0	251.1	116.8	128.7	185.1	216.1	203.4	186.7	189.9	210.6	209.0
87.5°	261.4	185.9	71.5	100.1	197.1	197.9	185.9	165.3	161.3	165.3	162.9
90°	241.6	172.4	60.4	94.6	190.7	165.3	151.8	135.1	120.8	121.6	116.8
92.5°	259.8	180.4	64.4	93.8	151.8	116.0	111.2	102.5	85.0	75.5	70.7
95°	255.9	173.2	65.2	79.5	111.2	66.0	78.7	72.3	52.4	39.7	37.3
97.5°	123.2	87.4	58.0	62.0	65.2	50.1	66.7	61.2	38.1	24.6	23.0
100°	23.0	32.6	51.7	58.8	51.7	38.9	52.4	46.9	20.7	12.7	11.9
102.5°	22.2	18.3	38.9	53.2	32.6	22.2	28.6	26.2	13.5	9.5	9.5
105°	23.0	18.3	18.3	36.6	19.9	10.3	8.7	12.7	9.5	9.5	10.3
107.5°	23.8	18.3	11.1	11.9	9.5	7.9	6.4	6.4	7.2	10.3	11.1



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.1	15.9	10.3	9.5	8.7	7.9	6.4	5.6	7.2	11.1	11.9
112.5°	13.5	12.7	9.5	7.9	7.2	7.2	5.6	4.8	7.2	11.9	12.7
115°	13.5	12.7	7.9	7.2	5.6	6.4	5.6	4.8	7.2	13.5	14.3
117.5°	14.3	11.9	7.9	6.4	4.8	4.8	4.8	4.8	7.9	13.5	14.3
120°	14.3	11.9	7.9	5.6	4.8	4.0	4.8	4.8	7.9	13.5	15.1
122.5°	13.5	11.9	7.2	5.6	4.8	4.0	4.0	4.0	7.2	13.5	14.3
125°	12.7	11.1	7.2	5.6	4.8	3.2	4.0	4.0	7.2	12.7	14.3
127.5°	11.9	10.3	7.2	5.6	4.0	3.2	4.0	4.0	7.2	11.9	13.5
130°	10.3	9.5	6.4	4.8	4.0	3.2	4.0	4.0	7.2	11.1	12.7
132.5°	8.7	7.9	5.6	4.8	4.0	3.2	4.0	3.2	5.6	10.3	11.1
135°	6.4	6.4	5.6	4.0	4.0	2.4	3.2	3.2	4.8	7.9	8.7
137.5°	5.6	5.6	4.8	4.0	4.0	2.4	3.2	2.4	4.0	6.4	7.2
140°	5.6	5.6	4.8	4.0	3.2	2.4	2.4	2.4	3.2	5.6	5.6
142.5°	5.6	5.6	4.8	4.0	3.2	2.4	2.4	2.4	3.2	4.8	5.6
145°	5.6	5.6	5.6	4.8	3.2	2.4	2.4	2.4	3.2	4.8	4.8
147.5°	6.4	6.4	5.6	4.0	3.2	1.6	1.6	2.4	3.2	4.8	4.8
150°	6.4	6.4	5.6	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8
152.5°	5.6	5.6	4.8	4.0	2.4	1.6	0.8	1.6	2.4	4.0	4.0
155°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	1.6	3.2	3.2
157.5°	3.2	4.0	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)