

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: P415688

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415688  
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-PA1-50-827-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA 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: 4670 lumens  
Efficiency: N/A  
Efficacy: 86.5 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 - G2

Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

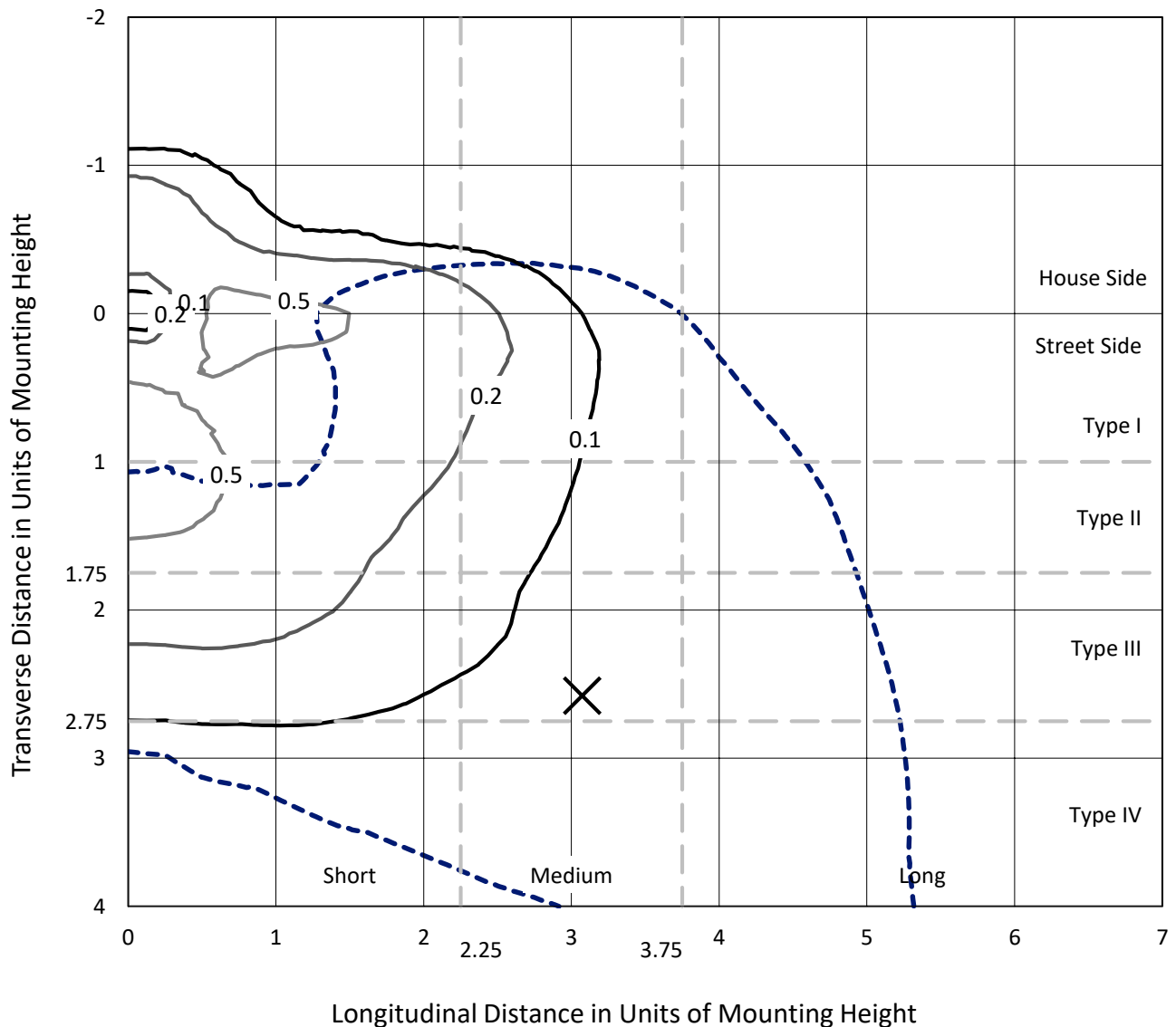


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

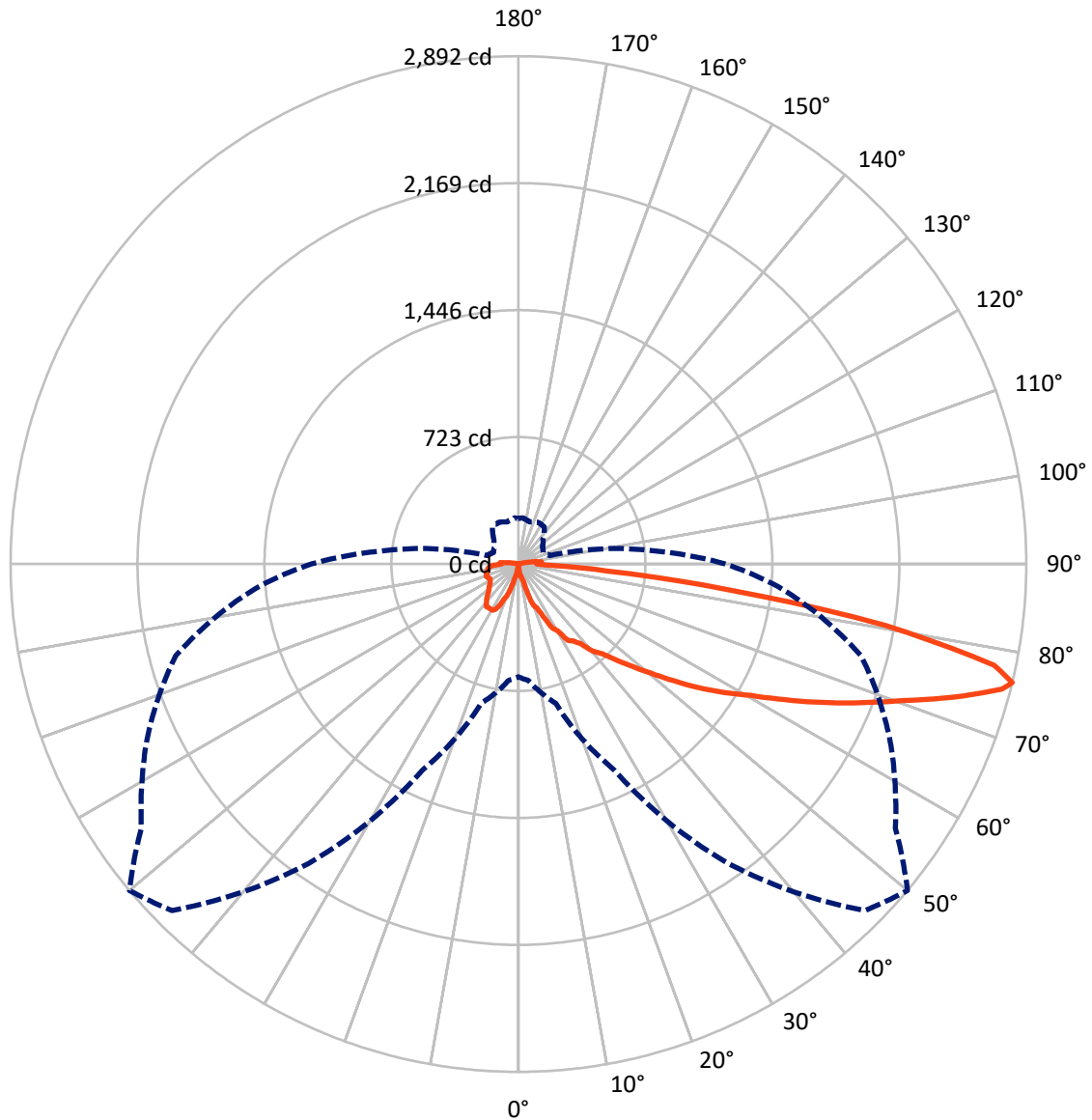


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	1019.2	57.4	1076.7
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	3547.2	46.1	3593.3
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	4566.5	103.5	4670.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	39.0	0.8
20°-30°	152.3	3.3
30°-40°	327.9	7.0
40°-50°	534.2	11.4
50°-60°	860.1	18.4
60°-70°	1252.8	26.8
70°-80°	1117.6	23.9
80°-90°	280.0	6.0
90°-100°	82.0	1.8
100°-110°	12.1	0.3
110°-120°	3.5	0.1
120°-130°	2.4	0.1
130°-140°	1.6	0.0
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4566.5	97.8
0°-180°	4670.0	100.0



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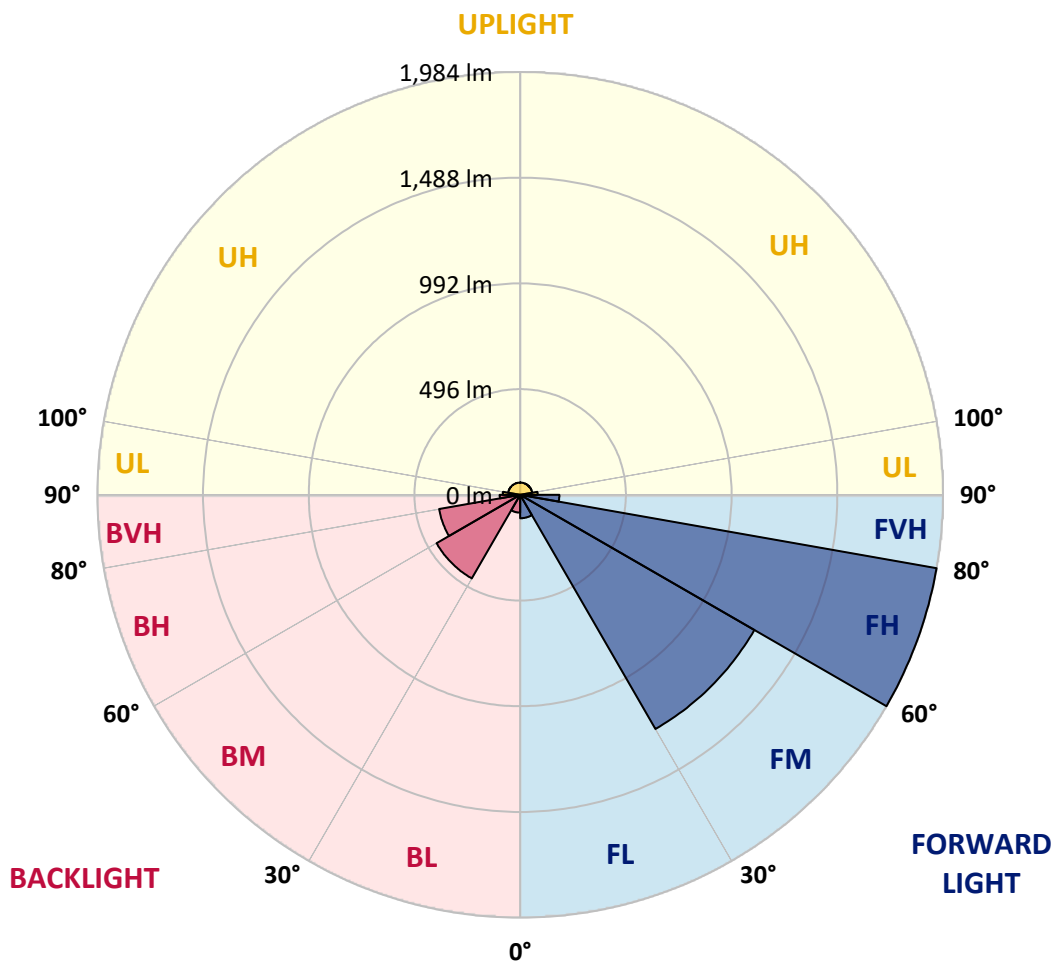
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.1	2.4			
FM	(30°-60°)	1269.0	27.2			
FH	(60°-80°)	1984.3	42.5			G2/5000
FVH	(80°-90°)	183.8	3.9			G2/225
BL	(0°-30°)	83.8	1.8	B0/110		
BM	(30°-60°)	453.2	9.7	B1/1000		
BH	(60°-80°)	386.1	8.3	B1/500		G1/500
BVH	(80°-90°)	96.1	2.1			G1/100
UL	(90°-100°)	82.0	1.8		U3/500	
UH	(100°-180°)	57.4	1.2		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	6.7	5.2	4.7	4.2	4.2	3.6	3.6	3.1	3.1	3.1	3.1
5°	65.4	63.3	58.6	54.5	18.7	15.6	13.0	9.9	3.6	3.6	3.1
7.5°	78.4	76.8	73.7	71.6	68.5	63.8	58.6	27.5	10.9	4.2	3.6
10°	102.8	95.0	88.7	83.6	79.9	72.1	70.1	65.9	18.2	7.8	5.7
12.5°	183.7	179.6	173.3	117.8	97.1	83.0	79.9	76.3	59.2	28.0	50.3
15°	202.4	198.3	192.0	184.2	172.8	102.2	96.0	119.4	152.6	114.7	119.9
17.5°	237.7	235.6	219.0	200.3	188.9	200.9	201.4	182.7	173.3	151.5	138.1
20°	329.6	327.5	318.1	270.4	213.8	253.8	252.8	243.4	194.6	223.7	240.8
22.5°	343.1	340.5	332.2	319.2	338.4	278.2	271.4	271.4	287.0	304.1	283.4
25°	451.5	448.9	385.6	335.8	362.8	331.1	332.2	367.5	317.6	333.7	318.7
27.5°	471.8	468.1	463.0	429.7	382.0	419.4	413.6	394.4	413.1	460.9	444.8
30°	550.7	510.7	493.6	474.4	451.0	444.3	441.7	476.4	489.9	486.8	491.5
32.5°	638.9	637.3	620.7	506.0	510.2	477.5	519.5	535.1	514.3	591.1	640.5
35°	767.6	714.7	682.5	606.2	530.9	552.2	537.7	553.8	624.9	632.1	679.4
37.5°	964.8	961.7	888.0	669.0	612.4	565.2	575.6	620.2	666.9	677.3	741.1
40°	1127.8	1112.7	1066.0	834.0	665.9	611.4	652.9	643.0	692.4	728.7	789.9
42.5°	1248.7	1262.7	1236.3	965.3	773.3	684.6	697.0	684.0	729.7	797.7	860.0
45°	1364.5	1358.8	1376.9	1098.7	876.6	778.5	777.5	745.8	798.2	874.5	956.5
47.5°	1458.9	1450.6	1469.3	1243.5	995.5	863.6	870.9	829.9	880.2	970.5	1099.8
50°	1564.3	1548.2	1560.6	1365.0	1150.6	986.6	976.8	945.1	973.7	1096.7	1274.7
52.5°	1690.9	1679.5	1657.2	1485.9	1310.5	1113.3	1100.8	1070.2	1101.3	1253.4	1468.3
55°	1804.6	1791.6	1773.4	1652.5	1443.4	1242.0	1242.5	1211.9	1272.6	1424.7	1693.0
57.5°	1922.9	1916.7	1926.0	1838.8	1633.3	1376.4	1379.5	1360.8	1469.8	1600.6	1931.2
60°	2021.0	2011.7	2063.6	2029.3	1802.0	1530.0	1517.6	1537.8	1671.2	1784.3	2172.6
62.5°	2058.4	2064.6	2162.7	2204.7	1965.5	1695.6	1700.3	1727.8	1857.5	2004.4	2405.1
65°	1882.9	1904.7	2178.8	2235.4	2147.6	1879.3	1901.6	1897.0	2048.5	2166.3	2601.2
67.5°	1692.5	1717.4	2015.3	2243.1	2288.8	2095.2	2106.6	2060.4	2213.0	2267.5	2747.6
70°	1557.5	1576.7	1821.7	2199.0	2375.5	2320.5	2325.7	2240.0	2332.4	2386.4	2742.4
72.5°	1324.0	1344.2	1570.5	2032.4	2429.5	2593.5	2593.5	2404.5	2428.9	2383.8	2421.7
75°	894.8	902.5	1087.8	1577.8	2289.8	2816.1	2843.1	2584.1	2395.7	2165.3	1806.1
76°	642.5	666.4	821.6	1295.4	2079.7	2790.7	2891.9	2620.5	2330.8	2020.5	1486.4
77.5°	340.5	362.3	484.8	829.4	1686.8	2595.0	2769.9	2508.9	2125.3	1734.5	1099.3
80°	133.4	131.8	166.6	295.3	854.3	1973.8	2119.6	1849.2	1437.6	1004.8	522.1
82.5°	73.2	80.4	105.9	156.2	370.6	1088.9	1197.3	975.7	733.9	463.5	305.2
85°	46.7	47.7	62.3	96.5	228.9	458.8	504.0	417.8	343.6	284.4	216.9
87.5°	28.0	29.1	32.7	44.6	113.1	134.9	147.4	173.3	197.2	195.7	187.4
90°	19.2	19.2	16.1	17.6	52.9	108.0	103.8	110.5	100.7	127.7	180.6
92.5°	18.7	18.7	15.6	16.1	45.2	119.9	120.4	119.9	106.4	130.3	190.0
95°	16.6	17.1	13.5	14.0	33.2	112.1	131.8	127.7	107.4	131.3	189.4
97.5°	14.0	14.5	10.4	11.9	22.3	75.8	98.1	100.2	67.0	66.4	85.6
100°	10.4	10.9	7.3	9.3	13.5	34.8	52.4	49.3	33.2	18.2	11.9
102.5°	9.9	10.4	6.2	7.3	8.3	11.9	19.2	14.5	12.5	10.4	10.4
105°	10.9	10.9	5.7	5.2	5.2	5.7	4.7	6.7	7.3	7.8	10.9
107.5°	9.3	9.9	4.2	4.2	3.6	3.6	3.1	3.1	4.2	6.7	11.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	7.3	7.3	3.6	3.6	2.6	3.1	3.1	2.6	3.6	5.2	9.3
112.5°	4.2	4.7	2.1	3.1	2.1	2.6	2.6	2.1	3.1	3.6	5.2
115°	4.2	4.2	2.1	1.6	1.6	1.6	2.1	2.1	2.6	3.6	5.7
117.5°	4.2	4.2	2.1	1.6	1.0	1.6	1.6	1.6	2.6	3.6	5.7
120°	4.2	4.2	2.1	1.0	1.0	1.0	1.0	1.6	2.6	3.6	5.7
122.5°	4.7	4.2	2.1	1.0	1.0	1.0	1.0	1.6	2.6	3.6	5.2
125°	4.7	4.2	2.1	1.0	1.0	1.0	1.0	1.6	2.1	3.1	4.7
127.5°	4.7	4.2	2.1	1.0	1.0	1.0	1.0	1.6	2.1	3.1	4.2
130°	4.2	4.2	2.1	1.0	1.0	1.0	1.0	1.6	2.1	3.1	4.2
132.5°	4.2	3.6	2.1	1.0	1.0	1.0	1.0	1.6	2.1	2.6	3.6
135°	3.6	3.1	2.1	1.0	1.6	1.0	1.6	1.6	2.1	2.6	3.1
137.5°	3.1	3.1	2.1	1.6	1.6	1.6	1.6	1.6	2.1	2.6	2.6
140°	3.6	3.1	2.1	2.1	1.6	1.6	1.6	1.6	2.1	2.6	2.6
142.5°	4.2	3.6	2.6	2.1	2.1	1.6	1.6	2.1	2.1	2.6	2.6
145°	4.2	4.2	3.1	2.6	1.6	1.6	1.6	2.1	2.6	2.6	3.1
147.5°	4.7	4.2	3.1	2.6	1.6	1.0	1.6	1.6	2.6	3.1	3.1
150°	4.2	4.2	2.6	2.1	1.0	0.5	1.0	1.6	2.6	3.1	3.1
152.5°	3.1	3.1	2.1	1.0	0.5	0.5	1.0	1.6	2.1	2.6	3.1
155°	2.1	2.1	1.0	0.5	0.0	0.5	0.5	1.0	1.6	2.1	2.6
157.5°	1.0	1.0	0.5	0.0	0.0	0.5	0.5	1.0	1.6	2.1	2.1
160°	0.5	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.1	2.6	2.6	2.1	2.1	1.6	1.6	1.6	1.6	2.1	2.6
5°	3.1	3.1	2.6	2.6	2.6	2.1	2.1	3.1	3.6	4.2	4.2
7.5°	3.1	3.1	3.1	2.6	3.1	4.2	16.6	47.7	52.4	55.5	56.6
10°	5.7	5.2	4.7	4.2	7.8	52.9	65.4	71.1	73.7	76.3	76.3
12.5°	54.5	54.5	22.3	12.5	53.5	71.1	74.7	78.9	82.5	86.2	86.7
15°	118.3	116.8	112.6	103.3	89.3	80.4	84.1	124.6	146.4	156.2	154.7
17.5°	135.5	133.4	130.8	149.0	155.2	124.0	144.8	160.9	165.6	170.8	170.2
20°	251.2	248.6	193.6	173.3	169.7	208.1	165.6	169.2	177.5	226.3	227.8
22.5°	281.3	278.2	259.0	264.2	198.3	225.8	218.5	228.9	255.4	263.1	264.2
25°	329.6	317.1	293.8	276.1	280.8	235.6	272.0	254.8	264.7	274.0	275.6
27.5°	456.2	448.9	407.4	309.3	286.5	294.8	283.4	277.1	331.1	350.8	352.4
30°	491.5	484.2	432.3	358.1	302.1	302.1	285.5	345.7	348.3	358.6	361.2
32.5°	668.0	653.4	549.6	363.8	313.5	288.6	323.3	340.5	382.0	413.1	418.3
35°	709.0	696.5	567.3	415.7	303.1	300.5	305.2	358.6	389.3	407.9	412.1
37.5°	751.5	737.5	565.2	396.0	321.3	286.5	296.9	335.3	379.4	427.7	433.9
40°	809.6	792.5	567.8	370.6	301.0	270.9	278.7	321.8	351.9	382.0	387.2
42.5°	887.5	853.2	572.5	347.7	277.7	264.2	265.7	290.6	304.7	317.1	317.1
45°	992.3	936.8	574.0	323.9	254.3	248.6	250.7	262.1	267.3	259.5	255.9
47.5°	1133.0	1040.1	593.2	302.6	234.6	231.5	233.0	236.7	234.1	213.8	210.2
50°	1297.0	1161.5	603.6	283.9	220.1	219.5	216.9	216.9	207.6	184.8	183.2
52.5°	1478.1	1306.3	612.4	261.1	209.7	212.3	212.3	201.4	187.4	169.2	167.6
55°	1708.0	1473.5	625.4	241.3	200.9	200.3	206.0	192.6	178.0	162.4	162.4
57.5°	1936.4	1650.4	641.0	224.2	191.0	192.0	200.3	189.4	181.7	175.4	174.9
60°	2164.8	1833.1	616.1	208.6	187.4	185.3	198.8	201.4	192.0	195.7	199.3
62.5°	2379.1	1949.9	515.9	195.1	180.6	183.7	212.3	228.4	225.2	221.6	222.7
65°	2480.3	1973.8	418.3	183.2	175.9	194.6	234.1	258.5	248.1	236.1	235.1
67.5°	2497.4	1912.0	307.8	175.9	173.3	213.8	251.2	265.2	249.6	245.0	240.8
70°	2377.0	1755.3	246.0	168.2	175.4	216.9	262.1	263.7	252.2	257.4	252.2
72.5°	2021.5	1462.0	215.4	160.9	175.9	209.2	262.1	264.2	251.2	266.2	263.7
75°	1447.5	1025.0	191.5	154.7	170.2	200.3	258.5	263.7	248.1	264.7	260.5
76°	1179.2	813.3	184.8	156.2	167.6	197.2	257.4	262.1	248.6	263.7	259.5
77.5°	779.0	531.5	173.3	155.2	163.0	195.7	254.8	260.0	248.1	260.5	256.4
80°	416.8	301.0	156.2	144.8	157.3	196.7	252.8	254.8	238.2	252.2	247.0
82.5°	274.6	224.2	134.9	131.3	151.5	198.3	251.7	248.6	229.9	252.2	238.2
85°	215.4	185.3	101.2	105.4	138.1	191.5	248.6	239.8	222.7	228.9	220.6
87.5°	182.7	152.6	60.7	75.3	120.9	163.0	220.6	198.3	188.4	194.6	191.0
90°	171.8	134.9	34.3	52.9	90.8	108.5	139.1	129.2	125.1	132.3	130.8
92.5°	173.3	131.8	33.7	50.3	97.1	116.8	143.8	132.3	119.9	119.9	118.3
95°	165.6	123.0	33.2	40.0	87.7	113.7	134.9	118.9	96.5	91.9	90.3
97.5°	72.1	59.7	31.1	30.6	50.3	78.4	98.1	85.1	63.8	49.8	49.8
100°	11.9	19.2	27.0	29.6	29.6	41.5	55.5	52.4	30.6	16.1	16.6
102.5°	12.5	10.9	18.7	24.4	19.2	17.1	25.4	31.7	20.2	6.2	6.7
105°	13.0	11.4	9.3	17.1	10.9	5.7	7.8	14.5	9.3	6.2	6.2
107.5°	14.0	11.9	5.7	6.2	4.7	4.7	4.2	3.6	4.7	6.2	6.7



REPORT NUMBER: P415688

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.9	9.9	5.2	4.7	4.2	4.7	3.1	3.1	3.6	6.2	6.7
112.5°	6.2	6.2	4.7	3.6	3.6	4.2	2.6	2.6	3.6	6.7	6.7
115°	6.2	6.2	4.2	3.1	2.6	3.1	2.6	2.1	3.6	6.7	7.3
117.5°	6.2	6.2	4.2	3.1	2.6	2.1	2.1	2.1	3.6	6.7	7.3
120°	6.2	5.7	3.6	2.6	2.6	1.6	1.6	1.6	3.1	6.7	7.3
122.5°	5.7	5.7	3.6	2.6	2.1	1.6	1.6	1.6	3.1	6.2	6.7
125°	5.2	5.2	3.6	2.6	2.1	1.6	1.0	1.6	3.1	5.7	6.2
127.5°	4.7	4.7	3.1	2.6	2.1	1.6	1.0	1.6	3.1	5.7	6.2
130°	4.2	4.2	3.1	2.1	2.1	1.0	1.0	1.0	3.1	5.2	5.7
132.5°	3.6	3.6	2.6	2.1	1.6	1.0	0.5	1.0	2.6	4.7	4.7
135°	3.1	3.1	2.6	2.1	1.6	1.0	0.5	1.0	2.1	3.6	4.2
137.5°	2.6	2.6	2.1	2.1	1.6	1.0	0.5	1.0	1.6	3.1	3.1
140°	2.6	2.6	2.1	2.1	1.6	1.0	0.5	1.0	1.6	2.6	3.1
142.5°	2.6	2.6	2.1	2.1	1.6	1.0	0.5	1.0	1.6	2.6	3.1
145°	3.1	2.6	2.6	2.1	1.6	1.0	0.5	1.0	2.1	3.1	3.1
147.5°	3.1	3.1	2.6	2.1	1.6	1.0	0.5	1.0	2.1	3.1	3.1
150°	3.1	3.1	2.6	2.1	1.6	0.5	0.0	0.5	1.6	2.6	3.1
152.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0	0.0	1.0	2.1	2.1
155°	2.6	2.1	2.1	1.6	1.0	0.5	0.0	0.0	0.5	1.0	1.0
157.5°	2.1	2.1	1.6	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5
160°	1.6	1.6	1.0	1.0	0.5	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)