

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: P415740

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415740
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-PA1-50-830-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5049 lumens
Efficiency: N/A
Efficacy: 93.5 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 (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

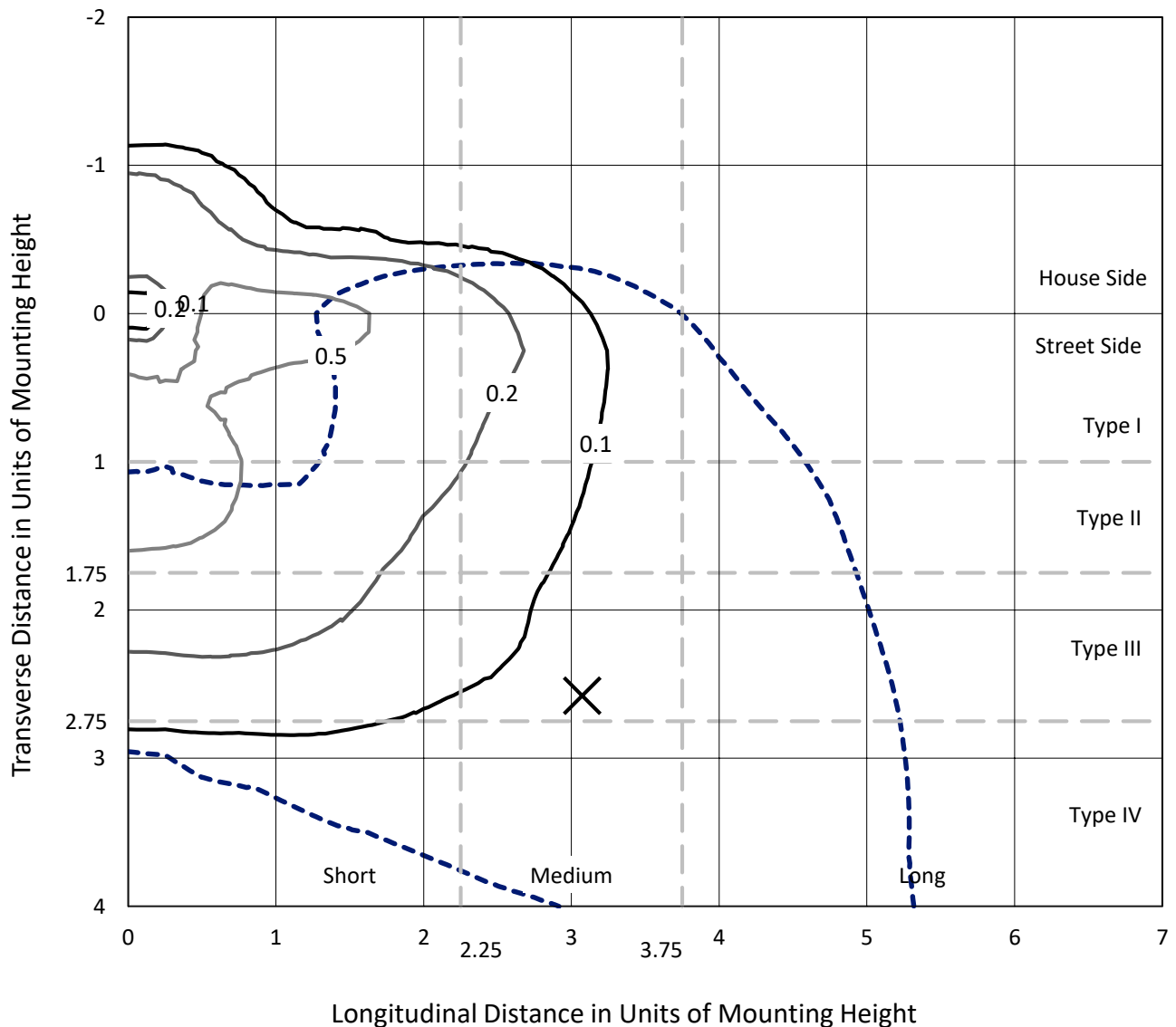


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Iso-Footcandle Lines of Horizontal Illumination

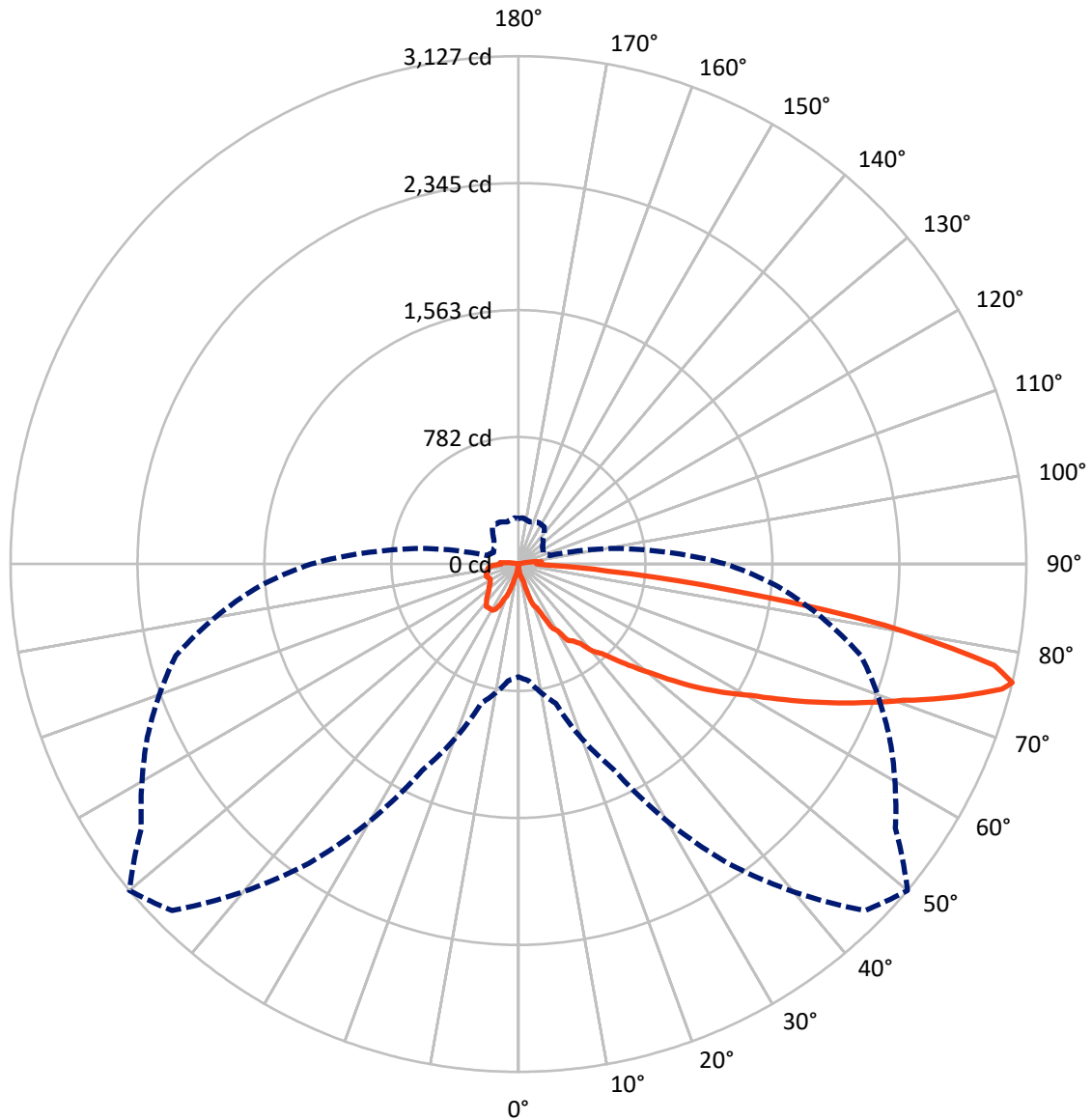
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	1102.0	62.1	1164.1
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	3835.1	49.8	3884.9
	% Fixture	76.0	1.0	76.9
Total	Lumens	4937.1	111.9	5049.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	42.1	0.8
20°-30°	164.7	3.3
30°-40°	354.5	7.0
40°-50°	577.6	11.4
50°-60°	929.9	18.4
60°-70°	1354.4	26.8
70°-80°	1208.4	23.9
80°-90°	302.7	6.0
90°-100°	88.6	1.8
100°-110°	13.1	0.3
110°-120°	3.8	0.1
120°-130°	2.6	0.1
130°-140°	1.7	0.0
140°-150°	1.4	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4937.1	97.8
0°-180°	5049.0	100.0



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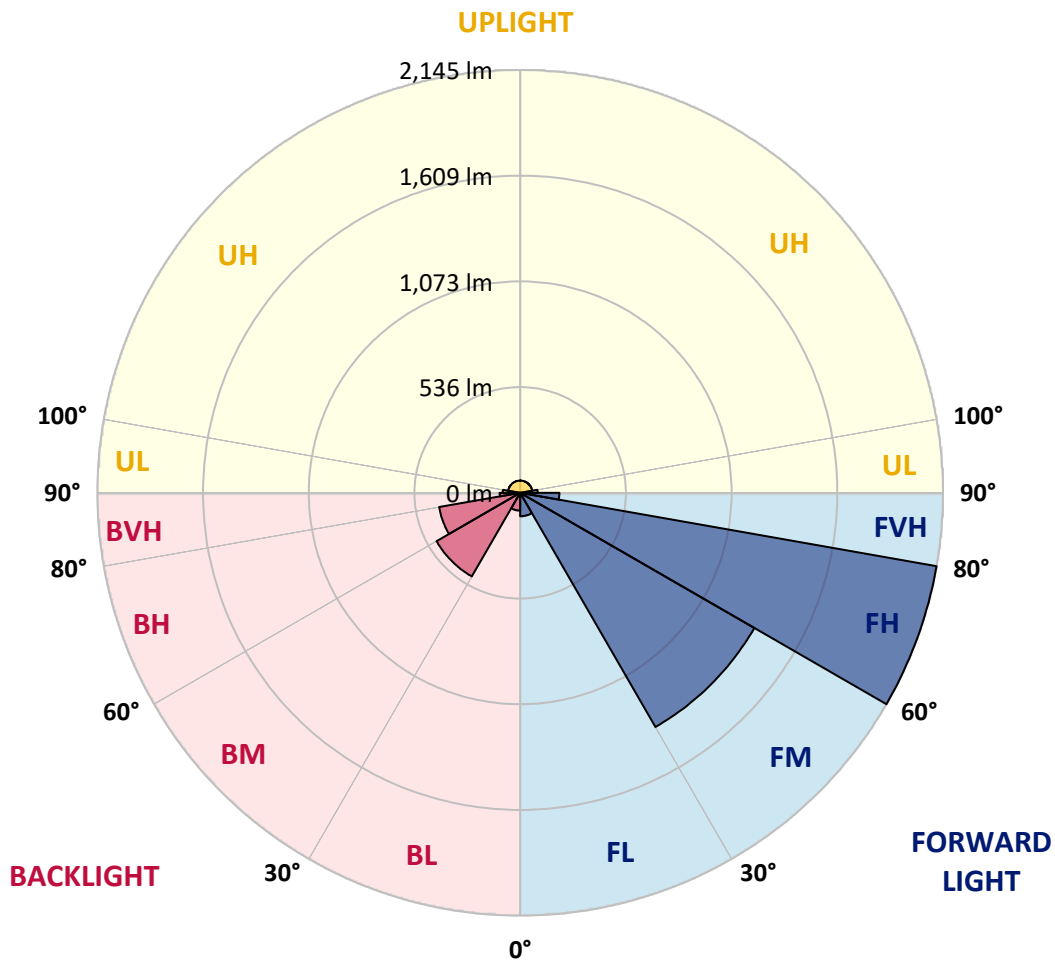
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.0	2.4			
FM	(30°-60°)	1372.0	27.2			
FH	(60°-80°)	2145.3	42.5			G2/5000
FVH	(80°-90°)	198.7	3.9			G2/225
BL	(0°-30°)	90.6	1.8	B0/110		
BM	(30°-60°)	490.0	9.7	B1/1000		
BH	(60°-80°)	417.5	8.3	B1/500		G1/500
BVH	(80°-90°)	103.9	2.1			G2/225
UL	(90°-100°)	88.6	1.8		U3/500	
UH	(100°-180°)	62.1	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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	7.3	5.6	5.1	4.5	4.5	3.9	3.9	3.4	3.4	3.4	3.4
5°	70.7	68.5	63.4	58.9	20.2	16.8	14.0	10.7	3.9	3.9	3.4
7.5°	84.7	83.0	79.7	77.4	74.1	69.0	63.4	29.7	11.8	4.5	3.9
10°	111.1	102.7	96.0	90.3	86.4	78.0	75.8	71.3	19.6	8.4	6.2
12.5°	198.6	194.1	187.4	127.4	104.9	89.8	86.4	82.5	64.0	30.3	54.4
15°	218.8	214.3	207.6	199.2	186.9	110.5	103.8	129.1	165.0	124.0	129.6
17.5°	257.0	254.8	236.8	216.6	204.2	217.2	217.7	197.5	187.4	163.8	149.3
20°	356.3	354.1	344.0	292.3	231.2	274.4	273.3	263.2	210.4	241.8	260.4
22.5°	370.9	368.1	359.1	345.1	365.9	300.8	293.5	293.5	310.3	328.8	306.4
25°	488.2	485.4	416.9	363.0	392.2	358.0	359.1	397.3	343.4	360.8	344.5
27.5°	510.1	506.1	500.5	464.6	413.0	453.4	447.2	426.5	446.7	498.3	480.9
30°	595.4	552.1	533.6	512.9	487.6	480.3	477.5	515.1	529.7	526.3	531.4
32.5°	690.7	689.1	671.1	547.1	551.6	516.2	561.7	578.5	556.1	639.1	692.4
35°	829.9	772.7	737.9	655.4	574.0	597.0	581.3	598.7	675.6	683.5	734.5
37.5°	1043.1	1039.8	960.1	723.3	662.1	611.1	622.3	670.5	721.0	732.3	801.3
40°	1219.3	1203.1	1152.6	901.7	719.9	661.0	705.9	695.2	748.5	787.8	854.0
42.5°	1350.1	1365.2	1336.6	1043.7	836.1	740.1	753.6	739.6	788.9	862.4	929.8
45°	1475.2	1469.0	1488.7	1187.9	947.7	841.7	840.6	806.3	863.0	945.5	1034.2
47.5°	1577.3	1568.3	1588.5	1344.5	1076.2	933.7	941.6	897.2	951.7	1049.3	1189.0
50°	1691.2	1673.8	1687.3	1475.8	1244.0	1066.7	1056.0	1021.8	1052.7	1185.7	1378.1
52.5°	1828.1	1815.8	1791.7	1606.5	1416.8	1203.6	1190.1	1157.0	1190.7	1355.1	1587.4
55°	1951.0	1937.0	1917.4	1786.6	1560.5	1342.8	1343.3	1310.2	1375.9	1540.3	1830.4
57.5°	2079.0	2072.2	2082.3	1988.1	1765.9	1488.1	1491.5	1471.3	1589.1	1730.5	2087.9
60°	2185.0	2174.9	2231.0	2194.0	1948.2	1654.2	1640.7	1662.6	1806.8	1929.1	2348.9
62.5°	2225.4	2232.2	2338.2	2383.7	2125.0	1833.2	1838.2	1868.0	2008.3	2167.1	2600.3
65°	2035.8	2059.3	2355.6	2416.8	2321.9	2031.8	2056.0	2050.9	2214.8	2342.1	2812.4
67.5°	1829.8	1856.8	2178.8	2425.2	2474.6	2265.3	2277.6	2227.7	2392.6	2451.6	2970.6
70°	1683.9	1704.7	1969.5	2377.5	2568.3	2508.8	2514.4	2421.8	2521.7	2580.1	2965.0
72.5°	1431.4	1453.3	1698.0	2197.4	2626.6	2803.9	2803.9	2599.7	2626.1	2577.2	2618.2
75°	967.4	975.8	1176.1	1705.8	2475.7	3044.7	3073.8	2793.8	2590.2	2341.0	1952.7
76°	694.7	720.5	888.3	1400.6	2248.4	3017.2	3126.6	2833.1	2520.0	2184.5	1607.1
77.5°	368.1	391.7	524.1	896.7	1823.7	2805.6	2994.7	2712.5	2297.8	1875.3	1188.5
80°	144.2	142.5	180.1	319.3	923.6	2134.0	2291.6	1999.3	1554.3	1086.3	564.5
82.5°	79.1	87.0	114.5	168.9	400.6	1177.2	1294.5	1054.9	793.4	501.1	329.9
85°	50.5	51.6	67.3	104.4	247.5	496.0	544.9	451.7	371.5	307.5	234.6
87.5°	30.3	31.4	35.4	48.3	122.3	145.9	159.4	187.4	213.2	211.5	202.6
90°	20.8	20.8	17.4	19.1	57.2	116.7	112.2	119.5	108.9	138.0	195.3
92.5°	20.2	20.2	16.8	17.4	48.8	129.6	130.2	129.6	115.0	140.8	205.4
95°	18.0	18.5	14.6	15.2	35.9	121.2	142.5	138.0	116.2	142.0	204.8
97.5°	15.2	15.7	11.2	12.9	24.1	81.9	106.1	108.3	72.4	71.8	92.6
100°	11.2	11.8	7.9	10.1	14.6	37.6	56.7	53.3	35.9	19.6	12.9
102.5°	10.7	11.2	6.7	7.9	9.0	12.9	20.8	15.7	13.5	11.2	11.2
105°	11.8	11.8	6.2	5.6	5.6	6.2	5.1	7.3	7.9	8.4	11.8
107.5°	10.1	10.7	4.5	4.5	3.9	3.9	3.4	3.4	4.5	7.3	12.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	7.9	7.9	3.9	3.9	2.8	3.4	3.4	2.8	3.9	5.6	10.1
112.5°	4.5	5.1	2.2	3.4	2.2	2.8	2.8	2.2	3.4	3.9	5.6
115°	4.5	4.5	2.2	1.7	1.7	1.7	2.2	2.2	2.8	3.9	6.2
117.5°	4.5	4.5	2.2	1.7	1.1	1.7	1.7	1.7	2.8	3.9	6.2
120°	4.5	4.5	2.2	1.1	1.1	1.1	1.1	1.7	2.8	3.9	6.2
122.5°	5.1	4.5	2.2	1.1	1.1	1.1	1.1	1.7	2.8	3.9	5.6
125°	5.1	4.5	2.2	1.1	1.1	1.1	1.1	1.7	2.2	3.4	5.1
127.5°	5.1	4.5	2.2	1.1	1.1	1.1	1.1	1.7	2.2	3.4	4.5
130°	4.5	4.5	2.2	1.1	1.1	1.1	1.1	1.7	2.2	3.4	4.5
132.5°	4.5	3.9	2.2	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.9
135°	3.9	3.4	2.2	1.1	1.7	1.1	1.7	1.7	2.2	2.8	3.4
137.5°	3.4	3.4	2.2	1.7	1.7	1.7	1.7	1.7	2.2	2.8	2.8
140°	3.9	3.4	2.2	2.2	1.7	1.7	1.7	1.7	2.2	2.8	2.8
142.5°	4.5	3.9	2.8	2.2	2.2	1.7	1.7	2.2	2.2	2.8	2.8
145°	4.5	4.5	3.4	2.8	1.7	1.7	1.7	2.2	2.8	2.8	3.4
147.5°	5.1	4.5	3.4	2.8	1.7	1.1	1.7	1.7	2.8	3.4	3.4
150°	4.5	4.5	2.8	2.2	1.1	0.6	1.1	1.7	2.8	3.4	3.4
152.5°	3.4	3.4	2.2	1.1	0.6	0.6	1.1	1.7	2.2	2.8	3.4
155°	2.2	2.2	1.1	0.6	0.0	0.6	0.6	1.1	1.7	2.2	2.8
157.5°	1.1	1.1	0.6	0.0	0.0	0.6	0.6	1.1	1.7	2.2	2.2
160°	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.1	1.1	1.7	1.7
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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	3.4	2.8	2.8	2.2	2.2	1.7	1.7	1.7	1.7	2.2	2.8
5°	3.4	3.4	2.8	2.8	2.8	2.2	2.2	3.4	3.9	4.5	4.5
7.5°	3.4	3.4	3.4	2.8	3.4	4.5	18.0	51.6	56.7	60.0	61.2
10°	6.2	5.6	5.1	4.5	8.4	57.2	70.7	76.9	79.7	82.5	82.5
12.5°	58.9	58.9	24.1	13.5	57.8	76.9	80.8	85.3	89.2	93.1	93.7
15°	127.9	126.3	121.8	111.7	96.5	87.0	90.9	134.7	158.2	168.9	167.2
17.5°	146.5	144.2	141.4	161.0	167.8	134.1	156.6	173.9	179.0	184.6	184.0
20°	271.6	268.8	209.3	187.4	183.5	225.0	179.0	182.9	191.9	244.7	246.3
22.5°	304.1	300.8	280.0	285.6	214.3	244.1	236.2	247.5	276.1	284.5	285.6
25°	356.3	342.8	317.6	298.5	303.6	254.8	294.0	275.5	286.2	296.3	298.0
27.5°	493.2	485.4	440.5	334.4	309.7	318.7	306.4	299.6	358.0	379.3	381.0
30°	531.4	523.5	467.4	387.2	326.6	326.6	308.6	373.7	376.5	387.7	390.5
32.5°	722.2	706.5	594.2	393.3	338.9	312.0	349.6	368.1	413.0	446.7	452.3
35°	766.5	753.0	613.3	449.5	327.7	324.9	329.9	387.7	420.8	441.0	445.5
37.5°	812.5	797.4	611.1	428.1	347.3	309.7	321.0	362.5	410.2	462.4	469.1
40°	875.4	856.8	613.9	400.6	325.5	292.9	301.3	347.9	380.4	413.0	418.6
42.5°	959.5	922.5	618.9	376.0	300.2	285.6	287.3	314.2	329.4	342.8	342.8
45°	1072.9	1012.8	620.6	350.1	275.0	268.8	271.0	283.4	289.0	280.6	276.6
47.5°	1224.9	1124.5	641.4	327.1	253.6	250.3	251.9	255.9	253.1	231.2	227.3
50°	1402.3	1255.8	652.6	306.9	237.9	237.4	234.6	234.6	224.4	199.8	198.1
52.5°	1598.1	1412.4	662.1	282.2	226.7	229.5	229.5	217.7	202.6	182.9	181.2
55°	1846.7	1593.0	676.2	260.9	217.2	216.6	222.8	208.2	192.5	175.6	175.6
57.5°	2093.6	1784.4	693.0	242.4	206.5	207.6	216.6	204.8	196.4	189.7	189.1
60°	2340.5	1981.9	666.1	225.6	202.6	200.3	214.9	217.7	207.6	211.5	215.5
62.5°	2572.2	2108.1	557.8	211.0	195.3	198.6	229.5	246.9	243.5	239.6	240.7
65°	2681.6	2134.0	452.3	198.1	190.2	210.4	253.1	279.4	268.2	255.3	254.2
67.5°	2700.1	2067.2	332.7	190.2	187.4	231.2	271.6	286.7	269.9	264.9	260.4
70°	2570.0	1897.7	266.0	181.8	189.7	234.6	283.4	285.1	272.7	278.3	272.7
72.5°	2185.6	1580.7	232.9	173.9	190.2	226.1	283.4	285.6	271.6	287.9	285.1
75°	1565.0	1108.2	207.1	167.2	184.0	216.6	279.4	285.1	268.2	286.2	281.7
76°	1274.9	879.3	199.8	168.9	181.2	213.2	278.3	283.4	268.8	285.1	280.6
77.5°	842.2	574.6	187.4	167.8	176.2	211.5	275.5	281.1	268.2	281.7	277.2
80°	450.6	325.5	168.9	156.6	170.0	212.7	273.3	275.5	257.6	272.7	267.1
82.5°	296.8	242.4	145.9	142.0	163.8	214.3	272.1	268.8	248.6	272.7	257.6
85°	232.9	200.3	109.4	113.9	149.3	207.1	268.8	259.2	240.7	247.5	238.5
87.5°	197.5	165.0	65.7	81.4	130.7	176.2	238.5	214.3	203.7	210.4	206.5
90°	185.7	145.9	37.0	57.2	98.2	117.3	150.4	139.7	135.2	143.1	141.4
92.5°	187.4	142.5	36.5	54.4	104.9	126.3	155.4	143.1	129.6	129.6	127.9
95°	179.0	133.0	35.9	43.2	94.8	122.9	145.9	128.5	104.4	99.3	97.6
97.5°	78.0	64.5	33.7	33.1	54.4	84.7	106.1	92.0	69.0	53.9	53.9
100°	12.9	20.8	29.2	32.0	32.0	44.9	60.0	56.7	33.1	17.4	18.0
102.5°	13.5	11.8	20.2	26.4	20.8	18.5	27.5	34.2	21.9	6.7	7.3
105°	14.0	12.3	10.1	18.5	11.8	6.2	8.4	15.7	10.1	6.7	6.7
107.5°	15.2	12.9	6.2	6.7	5.1	5.1	4.5	3.9	5.1	6.7	7.3



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.8	10.7	5.6	5.1	4.5	5.1	3.4	3.4	3.9	6.7	7.3
112.5°	6.7	6.7	5.1	3.9	3.9	4.5	2.8	2.8	3.9	7.3	7.3
115°	6.7	6.7	4.5	3.4	2.8	3.4	2.8	2.2	3.9	7.3	7.9
117.5°	6.7	6.7	4.5	3.4	2.8	2.2	2.2	2.2	3.9	7.3	7.9
120°	6.7	6.2	3.9	2.8	2.8	1.7	1.7	1.7	3.4	7.3	7.9
122.5°	6.2	6.2	3.9	2.8	2.2	1.7	1.7	1.7	3.4	6.7	7.3
125°	5.6	5.6	3.9	2.8	2.2	1.7	1.1	1.7	3.4	6.2	6.7
127.5°	5.1	5.1	3.4	2.8	2.2	1.7	1.1	1.7	3.4	6.2	6.7
130°	4.5	4.5	3.4	2.2	2.2	1.1	1.1	1.1	3.4	5.6	6.2
132.5°	3.9	3.9	2.8	2.2	1.7	1.1	0.6	1.1	2.8	5.1	5.1
135°	3.4	3.4	2.8	2.2	1.7	1.1	0.6	1.1	2.2	3.9	4.5
137.5°	2.8	2.8	2.2	2.2	1.7	1.1	0.6	1.1	1.7	3.4	3.4
140°	2.8	2.8	2.2	2.2	1.7	1.1	0.6	1.1	1.7	2.8	3.4
142.5°	2.8	2.8	2.2	2.2	1.7	1.1	0.6	1.1	1.7	2.8	3.4
145°	3.4	2.8	2.8	2.2	1.7	1.1	0.6	1.1	2.2	3.4	3.4
147.5°	3.4	3.4	2.8	2.2	1.7	1.1	0.6	1.1	2.2	3.4	3.4
150°	3.4	3.4	2.8	2.2	1.7	0.6	0.0	0.6	1.7	2.8	3.4
152.5°	3.4	2.8	2.2	1.7	1.1	0.6	0.0	0.0	1.1	2.2	2.2
155°	2.8	2.2	2.2	1.7	1.1	0.6	0.0	0.0	0.6	1.1	1.1
157.5°	2.2	2.2	1.7	1.1	0.6	0.6	0.0	0.0	0.0	0.6	0.6
160°	1.7	1.7	1.1	1.1	0.6	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)