

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: P415713

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4968 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - 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

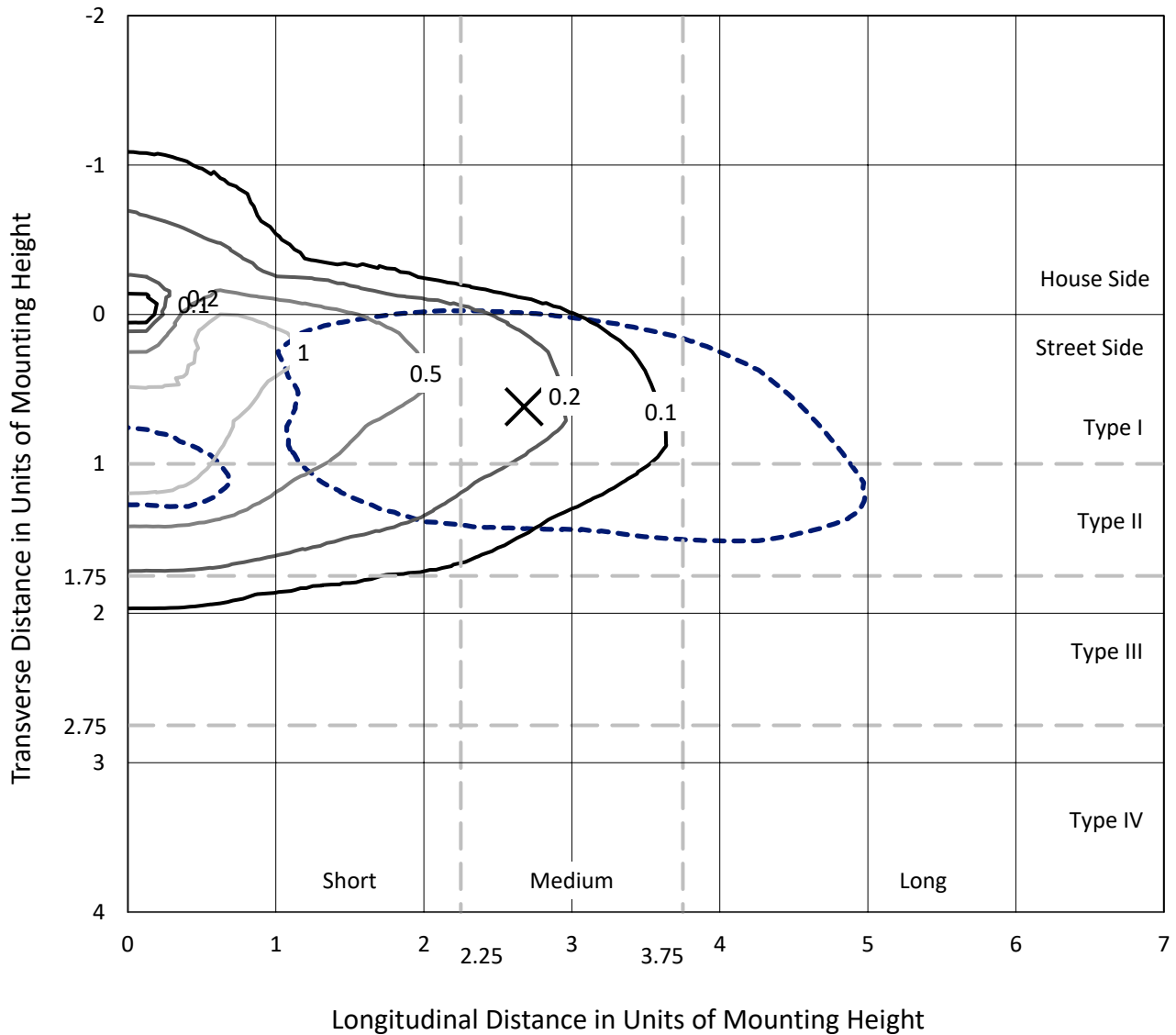


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Iso-Footcandle Lines of Horizontal Illumination

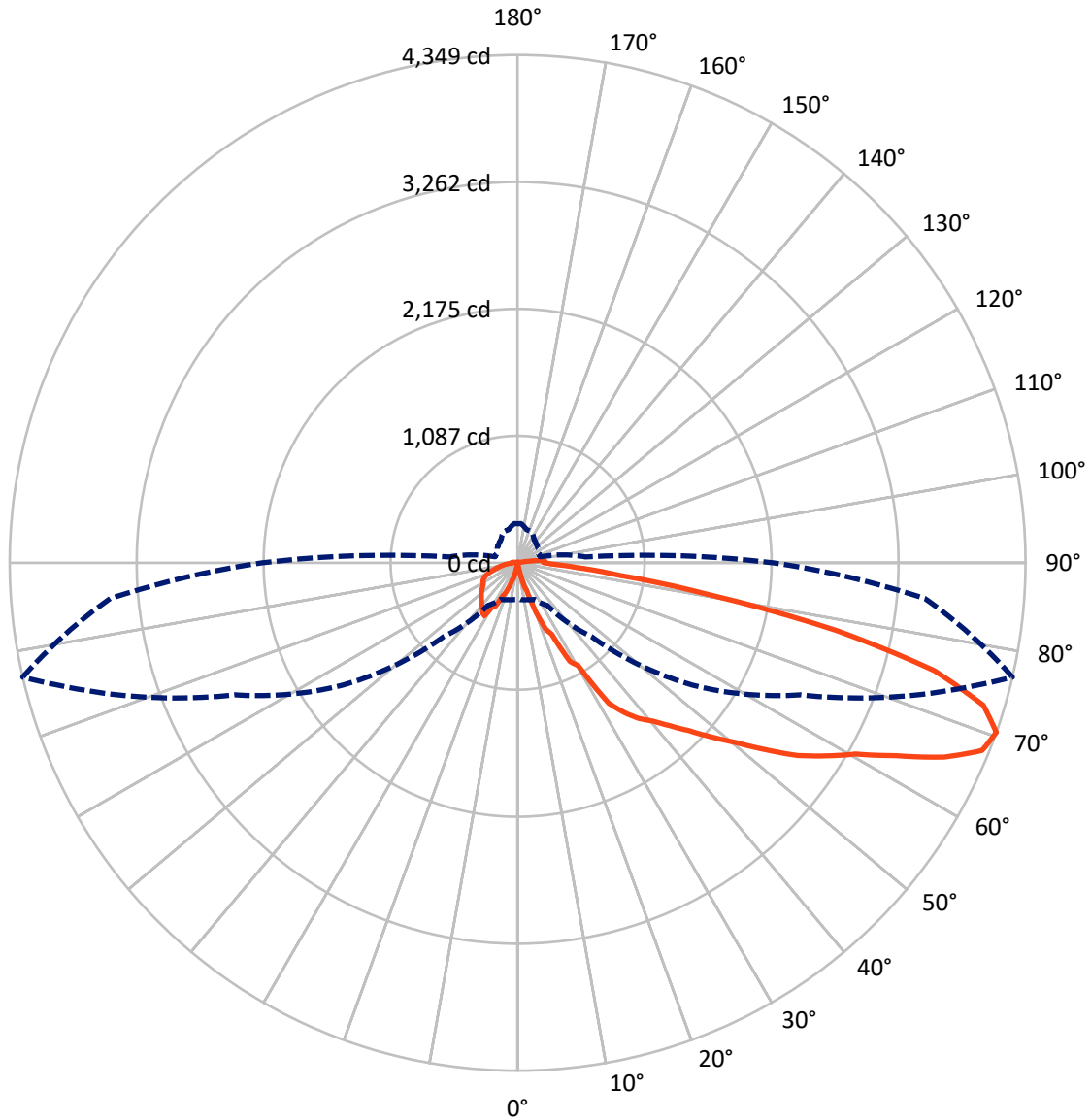
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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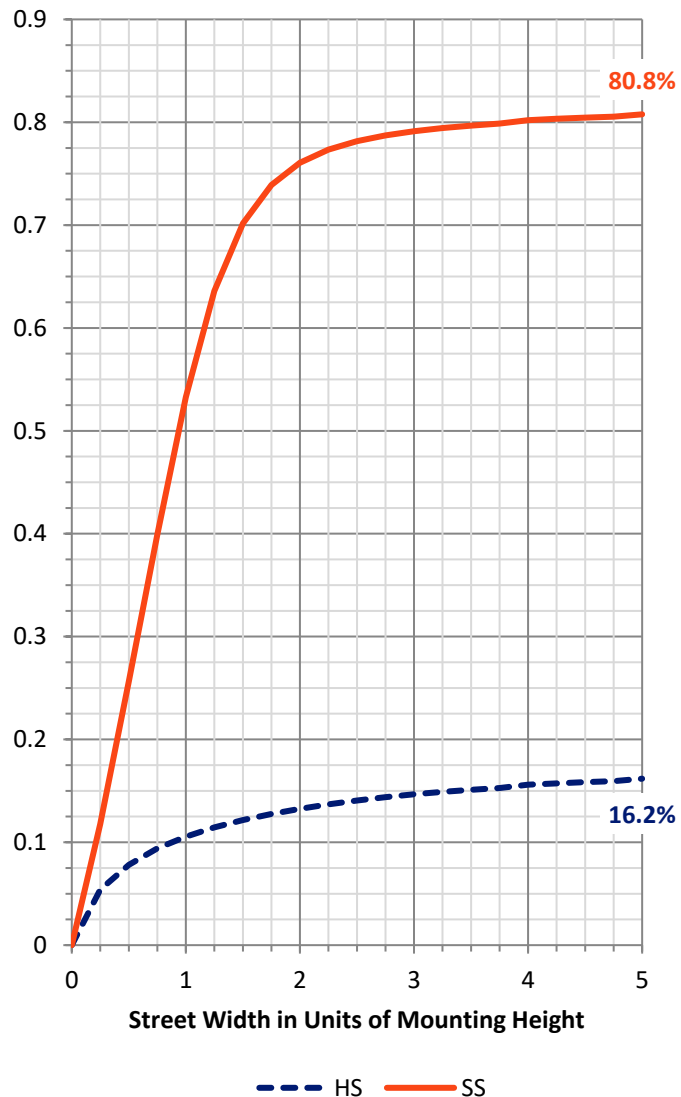
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.3	36.8	877.1
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	4045.0	45.9	4090.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	4885.3	82.7	4968.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	59.1	1.2
20°-30°	234.1	4.7
30°-40°	565.4	11.4
40°-50°	914.5	18.4
50°-60°	1093.8	22.0
60°-70°	1069.6	21.5
70°-80°	739.4	14.9
80°-90°	205.2	4.1
90°-100°	54.0	1.1
100°-110°	11.0	0.2
110°-120°	5.9	0.1
120°-130°	4.7	0.1
130°-140°	3.2	0.1
140°-150°	2.7	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4885.3	98.3
0°-180°	4968.0	100.0

Coefficient of Utilization



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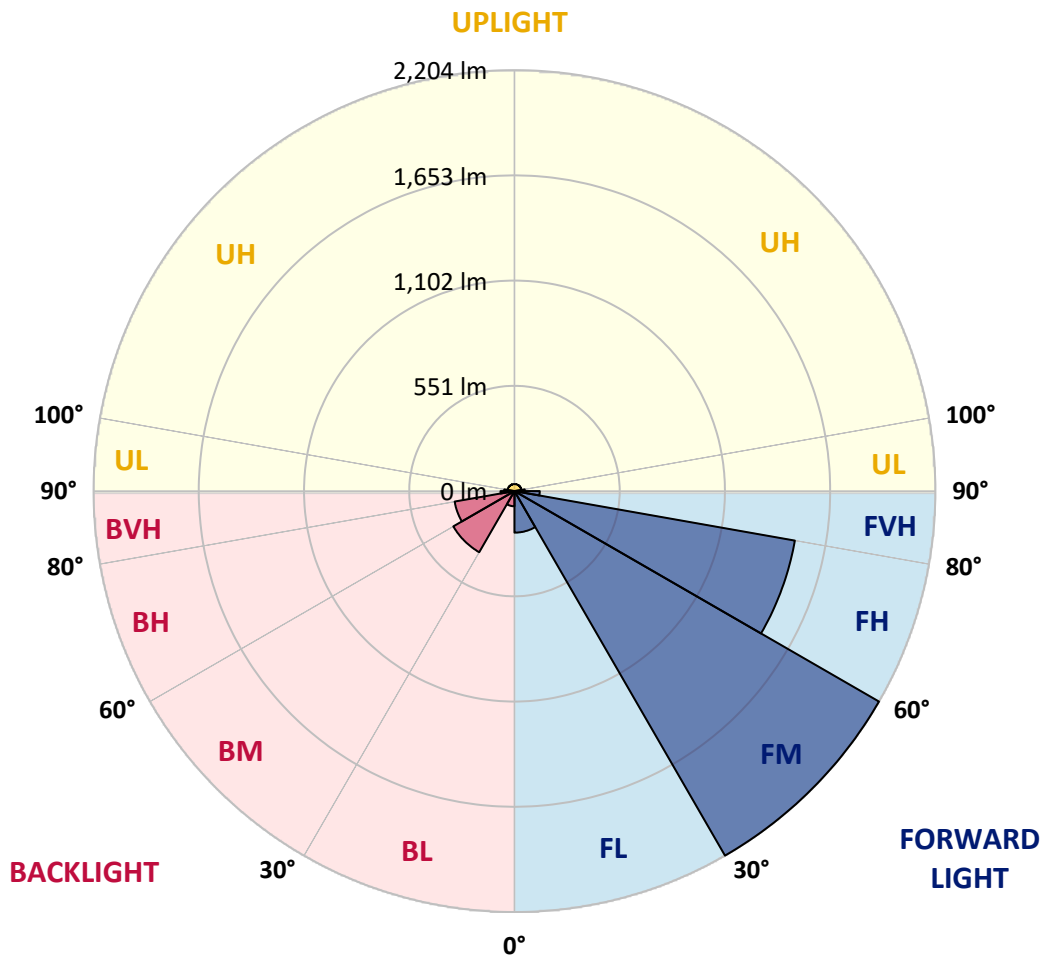
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.7	4.4			
FM (30°-60°)	2204.2	44.4			
FH (60°-80°)	1491.0	30.0			G1/1800
FVH (80°-90°)	132.2	2.7			G2/225
BL (0°-30°)	79.6	1.6	B0/110		
BM (30°-60°)	369.6	7.4	B1/1000		
BH (60°-80°)	318.1	6.4	B1/500		G1/500
BVH (80°-90°)	73.0	1.5			G1/100
UL (90°-100°)	54.0	1.1		U3/500	
UH (100°-180°)	36.8	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	6.2	5.6	5.6	6.2	7.3	6.7	5.0	3.9	3.4	3.4	3.4
5°	121.8	117.8	115.0	81.4	18.0	10.7	6.7	5.0	3.9	3.9	3.4
7.5°	145.3	143.1	142.0	138.0	133.5	124.6	22.4	7.3	4.5	4.5	3.9
10°	164.4	162.7	160.5	158.2	152.1	145.9	133.5	18.5	7.3	7.3	6.2
12.5°	335.0	329.9	325.4	231.2	171.7	165.0	153.2	104.9	79.7	76.9	92.6
15°	343.9	343.9	343.9	346.8	341.7	184.0	250.8	314.2	207.6	200.9	207.6
17.5°	366.4	363.0	357.4	359.1	365.8	406.2	374.2	349.6	276.6	245.8	239.0
20°	548.2	545.4	547.1	507.2	390.0	511.7	508.3	393.9	449.4	455.6	443.8
22.5°	585.2	584.7	583.0	580.7	666.6	543.1	584.7	619.4	627.9	615.5	510.6
25°	830.4	824.2	749.6	631.8	714.3	653.7	779.9	686.8	699.1	677.2	646.9
27.5°	948.8	935.9	923.0	887.6	767.0	873.6	829.9	905.6	1015.0	956.7	823.1
30°	1251.8	1259.1	1050.4	1038.6	948.8	926.4	1016.1	1064.4	1065.5	1022.9	924.1
32.5°	1541.3	1521.7	1472.9	1263.0	1130.0	1037.5	1178.3	1133.4	1394.3	1434.7	1252.9
35°	1825.2	1787.1	1644.0	1501.5	1318.6	1278.7	1262.5	1419.0	1517.7	1575.5	1355.6
37.5°	2229.8	2202.3	2065.4	1692.8	1520.0	1376.4	1480.2	1510.5	1667.6	1692.2	1495.9
40°	2378.5	2359.9	2246.0	1953.7	1677.7	1536.3	1577.8	1620.4	1816.2	1782.0	1601.4
42.5°	2485.1	2478.3	2387.4	2090.1	1883.0	1695.1	1690.6	1712.4	1968.9	1906.0	1706.8
45°	2567.0	2557.4	2503.6	2177.6	1980.1	1793.2	1812.3	1825.8	2103.0	2048.0	1827.5
47.5°	2551.3	2555.2	2562.5	2286.4	2037.9	1889.2	1936.9	1923.4	2212.4	2225.3	1962.7
50°	2430.6	2438.5	2492.4	2330.2	2071.0	1967.7	2044.6	2032.3	2365.0	2418.9	2118.7
52.5°	2072.1	2085.0	2284.8	2262.3	2100.2	2029.5	2155.1	2158.0	2543.4	2657.9	2317.9
55°	1517.2	1566.0	1809.0	2037.3	2068.2	2049.1	2229.2	2317.3	2748.8	2913.7	2495.7
57.5°	1220.4	1210.3	1378.0	1710.8	1909.9	2025.0	2307.2	2459.3	2936.2	3119.1	2673.6
60°	947.1	950.5	1074.5	1312.9	1632.8	1965.5	2386.9	2587.2	3166.8	3325.6	2891.3
62.5°	705.3	712.0	801.8	944.3	1316.3	1799.4	2411.6	2747.1	3487.2	3637.5	3154.4
65°	512.3	523.5	572.3	659.8	951.0	1550.3	2336.4	2866.6	3842.3	4013.5	3435.6
67.5°	384.9	391.1	419.7	473.0	679.5	1230.5	2150.7	2859.3	4020.8	4290.1	3556.2
70°	313.1	315.9	326.6	345.6	446.1	892.1	1824.7	2675.3	4058.9	4349.0	3500.1
72.5°	266.0	264.8	265.4	268.2	308.0	609.9	1409.5	2330.8	3913.0	4170.0	3247.0
75°	227.2	225.6	225.6	222.8	237.9	428.1	970.7	1881.3	3525.3	3684.7	2735.3
77.5°	193.6	190.8	190.2	184.6	191.3	318.7	643.0	1401.0	2789.2	2792.0	1939.1
80°	165.0	159.9	157.7	153.7	161.6	243.0	419.7	914.0	1706.3	1678.8	1076.2
82.5°	121.8	121.8	125.1	126.2	139.2	180.1	296.3	543.7	931.4	881.5	623.9
85°	70.1	76.3	90.3	92.0	106.6	119.5	222.8	322.1	521.3	502.7	319.8
87.5°	25.8	24.7	37.6	39.8	44.9	44.9	121.2	176.7	273.3	284.5	251.9
90°	21.3	21.3	14.6	13.5	17.4	29.2	81.9	124.0	205.4	220.5	237.9
92.5°	22.4	22.4	14.6	12.9	16.3	25.8	69.0	117.3	215.5	236.2	245.8
95°	21.3	21.9	12.9	11.8	15.1	21.9	51.6	100.4	207.0	226.7	240.1
97.5°	18.5	19.1	10.7	10.1	13.5	15.7	28.1	49.9	103.2	107.2	111.1
100°	15.1	15.1	7.9	8.4	10.7	10.7	14.6	26.4	25.2	20.8	18.0
102.5°	12.9	14.0	7.3	6.7	7.9	6.7	6.7	10.1	15.1	12.9	17.4
105°	10.7	11.8	6.2	5.6	6.2	5.6	4.5	7.3	11.2	12.9	18.5
107.5°	7.3	7.9	4.5	5.0	5.0	5.0	3.4	5.6	10.7	12.3	19.1
110°	5.0	5.0	3.4	4.5	4.5	5.0	3.4	5.6	8.4	9.5	15.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.4	3.4	2.8	3.4	3.9	3.9	3.4	5.0	7.3	7.9	10.7
115°	2.8	2.8	2.2	2.8	3.4	3.4	2.8	4.5	7.3	8.4	11.2
117.5°	3.4	2.8	2.2	2.8	3.4	2.8	2.8	3.9	7.3	8.4	11.2
120°	3.4	3.4	2.8	2.8	2.8	2.8	2.8	3.9	7.3	8.4	11.2
122.5°	3.9	3.4	2.8	2.8	2.8	2.8	2.8	3.4	6.7	7.9	10.7
125°	3.9	3.9	2.8	2.8	3.4	2.8	2.8	3.4	6.7	7.3	10.1
127.5°	4.5	3.9	3.4	2.8	3.4	2.8	2.8	3.4	6.2	6.7	9.0
130°	4.5	4.5	3.4	2.8	3.4	2.8	2.8	2.8	5.0	5.6	7.9
132.5°	4.5	4.5	3.9	3.4	3.9	3.4	2.8	2.8	3.9	4.5	6.2
135°	5.0	4.5	4.5	3.9	4.5	3.9	2.8	2.8	2.8	3.4	4.5
137.5°	5.0	5.0	5.0	4.5	5.0	3.9	2.8	2.8	2.8	2.8	3.4
140°	6.2	6.2	5.6	5.0	5.6	4.5	3.4	2.8	2.8	2.8	3.4
142.5°	7.3	7.3	6.7	6.2	5.6	4.5	3.9	3.4	3.4	3.4	3.4
145°	8.4	7.9	7.9	6.7	5.6	4.5	3.9	3.9	3.9	3.9	3.9
147.5°	8.4	8.4	7.9	6.2	5.0	3.4	3.4	4.5	4.5	4.5	4.5
150°	7.9	7.9	6.7	5.6	3.9	2.8	2.8	3.9	4.5	4.5	4.5
152.5°	6.2	5.6	5.0	3.4	2.8	1.7	2.2	2.8	3.4	3.4	3.9
155°	3.9	3.4	2.8	2.2	2.2	1.7	1.7	2.2	2.2	2.2	2.8
157.5°	1.7	1.7	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.6	0.6	0.6	0.6	1.7	1.7	1.7	1.1	1.1	1.1	1.1
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.4	3.4	3.4	3.4	3.4	2.8	3.4	3.9	4.5	4.5	4.5
5°	3.4	3.4	3.4	3.9	3.9	3.4	3.9	5.0	5.6	5.6	5.6
7.5°	3.9	3.4	3.9	4.5	4.5	4.5	19.6	56.7	62.8	64.0	65.1
10°	5.6	5.6	5.6	6.2	6.7	58.9	69.6	72.9	75.2	76.9	77.4
12.5°	85.3	74.6	46.6	12.3	59.5	72.9	76.9	82.5	85.3	88.7	87.5
15°	191.3	169.4	127.4	108.9	106.6	81.4	85.3	142.0	157.7	160.5	159.9
17.5°	216.6	186.3	142.0	151.5	157.7	122.3	143.6	158.8	161.6	164.4	163.8
20°	402.9	320.9	192.5	166.6	165.0	206.5	153.2	158.2	163.8	193.0	196.4
22.5°	447.2	369.2	251.9	244.1	199.2	209.8	199.7	202.6	219.9	219.9	218.8
25°	560.0	446.6	284.5	249.1	253.1	208.7	234.5	202.6	205.9	205.9	206.5
27.5°	728.3	574.0	377.6	277.7	250.2	252.5	222.8	205.4	235.1	238.5	240.1
30°	779.4	595.9	373.7	310.3	261.5	245.2	208.2	230.0	221.6	221.6	219.9
32.5°	1089.1	813.0	465.1	303.5	268.2	227.8	230.6	216.6	212.7	230.0	230.0
35°	1150.2	837.1	448.9	341.7	257.5	237.3	219.4	222.8	215.5	214.3	212.7
37.5°	1220.4	854.0	412.4	320.9	272.1	227.8	226.7	218.3	208.7	222.2	224.4
40°	1287.1	870.3	383.2	296.3	251.4	226.7	222.2	217.7	197.5	197.5	196.9
42.5°	1362.3	880.9	356.9	276.6	231.2	227.2	214.9	200.9	187.4	191.3	190.2
45°	1440.3	887.6	329.9	254.7	213.2	235.1	215.5	209.3	198.6	200.3	198.6
47.5°	1536.3	898.9	306.4	233.4	202.0	215.5	203.7	200.9	207.0	201.4	204.8
50°	1638.4	905.0	284.5	214.9	190.8	209.3	211.0	202.6	207.0	197.5	196.9
52.5°	1760.7	910.6	260.9	202.6	189.1	208.2	221.1	212.1	204.2	191.9	190.8
55°	1868.4	892.7	240.7	194.7	200.3	205.9	229.5	218.8	202.6	188.5	189.1
57.5°	1985.7	869.7	224.4	191.3	198.1	202.0	241.3	228.4	209.8	210.4	211.0
60°	2106.9	847.8	214.3	190.8	195.3	203.7	243.0	241.3	219.4	224.4	228.4
62.5°	2251.7	830.4	212.7	194.7	205.4	212.7	244.6	262.0	243.0	245.2	246.3
65°	2365.0	779.9	211.0	196.9	209.3	214.3	245.2	276.6	268.2	281.1	280.0
67.5°	2330.2	686.8	208.2	199.2	212.1	223.3	244.6	287.3	286.2	315.9	313.1
70°	2188.2	583.5	199.2	196.4	213.2	227.8	245.2	290.1	295.1	337.2	334.4
72.5°	1949.2	470.8	182.9	188.5	213.8	233.4	252.5	290.6	296.3	355.7	347.3
75°	1631.1	380.4	158.8	170.6	220.5	236.8	254.2	285.0	285.0	341.1	330.5
77.5°	1173.8	292.9	136.9	154.9	218.3	234.5	249.1	272.1	268.2	295.1	285.0
80°	684.0	216.0	116.7	152.1	204.8	230.0	235.1	240.1	221.6	227.8	221.6
82.5°	410.7	159.9	101.0	136.3	180.1	207.0	211.0	202.6	177.9	177.3	168.9
85°	246.3	109.4	74.1	105.5	142.0	172.8	177.3	153.7	130.7	144.2	129.1
87.5°	181.8	69.0	51.1	65.6	86.4	80.8	105.5	99.3	84.7	81.4	80.2
90°	163.8	52.7	42.1	53.3	58.4	49.9	53.9	53.9	43.8	43.2	41.0
92.5°	162.2	49.4	44.9	52.2	47.1	39.8	43.8	43.2	34.8	33.1	31.4
95°	151.5	44.3	44.9	47.1	41.5	32.5	35.3	33.1	24.7	23.0	21.3
97.5°	71.3	30.9	42.6	41.0	34.2	25.2	29.2	25.2	17.4	15.1	15.1
100°	16.8	26.4	36.5	37.0	27.5	19.1	20.2	16.3	11.2	9.5	9.5
102.5°	16.8	11.8	22.4	29.2	16.8	7.9	11.2	10.7	8.4	8.4	9.0
105°	16.8	11.2	11.2	19.1	10.1	5.0	5.0	6.7	7.3	9.5	10.7
107.5°	17.4	11.8	9.0	9.0	7.3	5.0	4.5	5.0	7.3	11.2	11.8
110°	14.6	10.7	8.4	7.9	7.3	5.0	3.9	5.0	7.3	12.3	13.5



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.7	9.5	7.3	7.3	6.2	5.0	3.9	4.5	7.9	13.5	14.6
115°	10.7	9.0	6.7	6.2	5.0	4.5	3.9	4.5	8.4	14.6	15.7
117.5°	11.2	9.0	6.2	5.6	4.5	3.4	3.4	4.5	8.4	15.1	16.3
120°	11.2	9.0	6.2	5.6	4.5	3.4	3.4	5.0	9.0	14.6	15.7
122.5°	10.7	9.0	6.2	5.6	4.5	2.8	3.4	4.5	8.4	14.0	15.1
125°	9.5	8.4	6.2	5.0	4.5	2.8	3.4	4.5	8.4	13.5	14.0
127.5°	9.0	7.9	5.6	5.0	3.9	2.8	3.4	4.5	7.9	12.3	12.9
130°	7.9	7.3	5.0	4.5	3.9	2.8	3.4	4.5	7.9	11.2	11.8
132.5°	6.2	5.6	4.5	3.9	3.9	2.8	3.4	3.9	6.2	9.5	10.1
135°	4.5	4.5	3.9	3.9	3.9	2.8	3.4	3.4	5.0	7.3	7.9
137.5°	3.4	3.4	3.4	3.9	3.4	2.8	2.8	3.4	4.5	5.6	6.2
140°	3.4	3.4	3.4	3.9	3.4	2.8	2.8	3.4	3.9	4.5	5.0
142.5°	3.4	3.4	3.4	3.9	3.4	2.2	2.8	3.4	3.9	4.5	4.5
145°	3.9	3.9	3.9	3.9	3.4	2.2	2.2	3.4	3.9	4.5	4.5
147.5°	4.5	4.5	3.9	3.9	3.4	1.7	1.7	3.4	3.9	4.5	4.5
150°	4.5	4.5	3.9	3.9	2.8	1.7	1.7	2.8	3.9	3.9	3.9
152.5°	3.4	3.4	3.4	3.4	2.8	1.1	1.1	2.2	3.4	3.4	3.4
155°	2.8	2.8	2.8	2.8	2.2	1.1	0.6	1.7	2.8	2.8	2.8
157.5°	1.7	2.2	2.2	2.8	2.2	1.1	0.6	1.1	2.2	2.2	2.2
160°	1.1	1.7	1.7	2.2	2.2	1.1	0.6	1.1	1.7	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

(END OF REPORT)