

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: P415297

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415297
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-PA1-40-830-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA 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: 3852 lumens
Efficiency: N/A
Efficacy: 96.3 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 - U2 - G2

Input Watts (W): 40
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

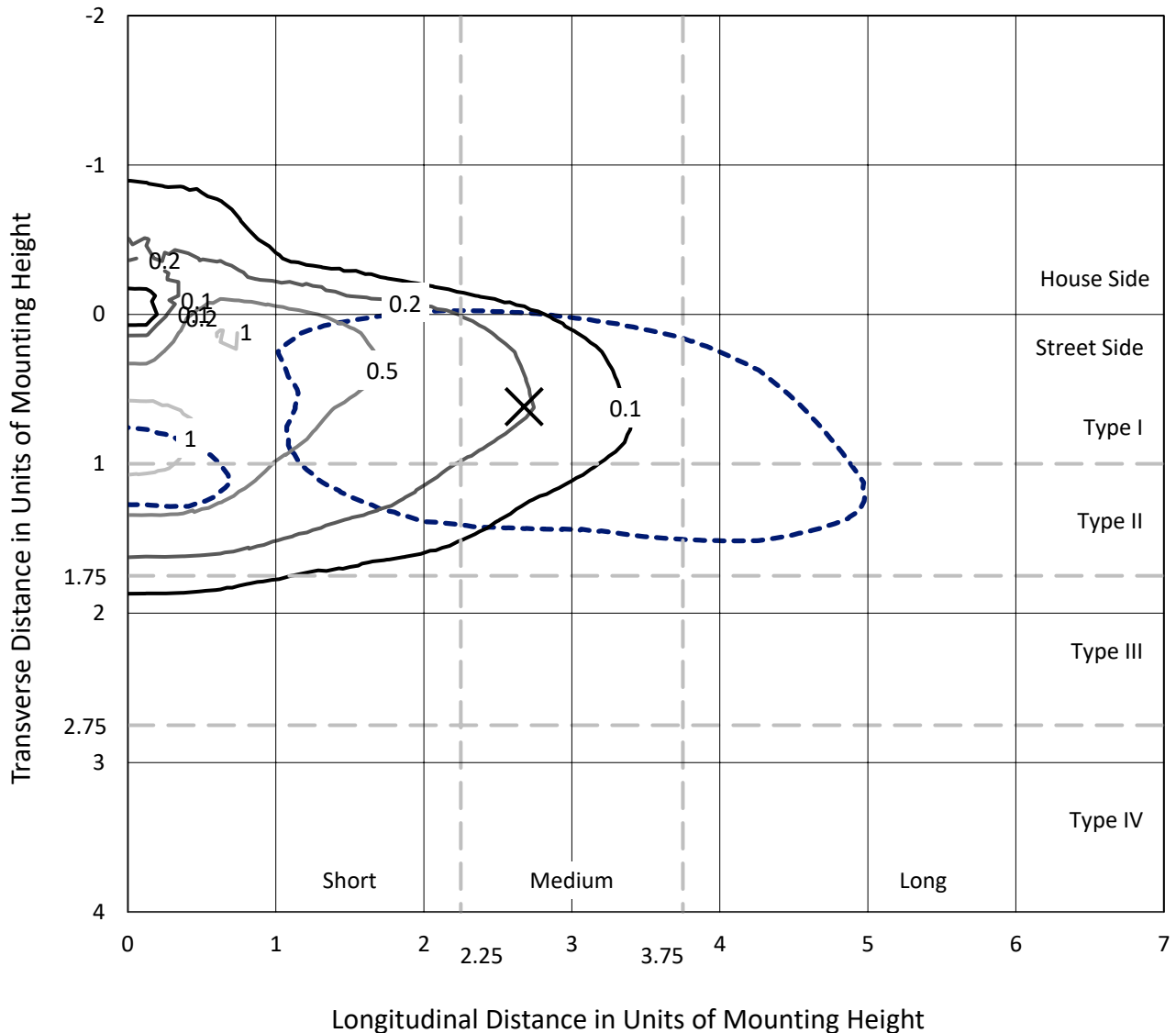


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

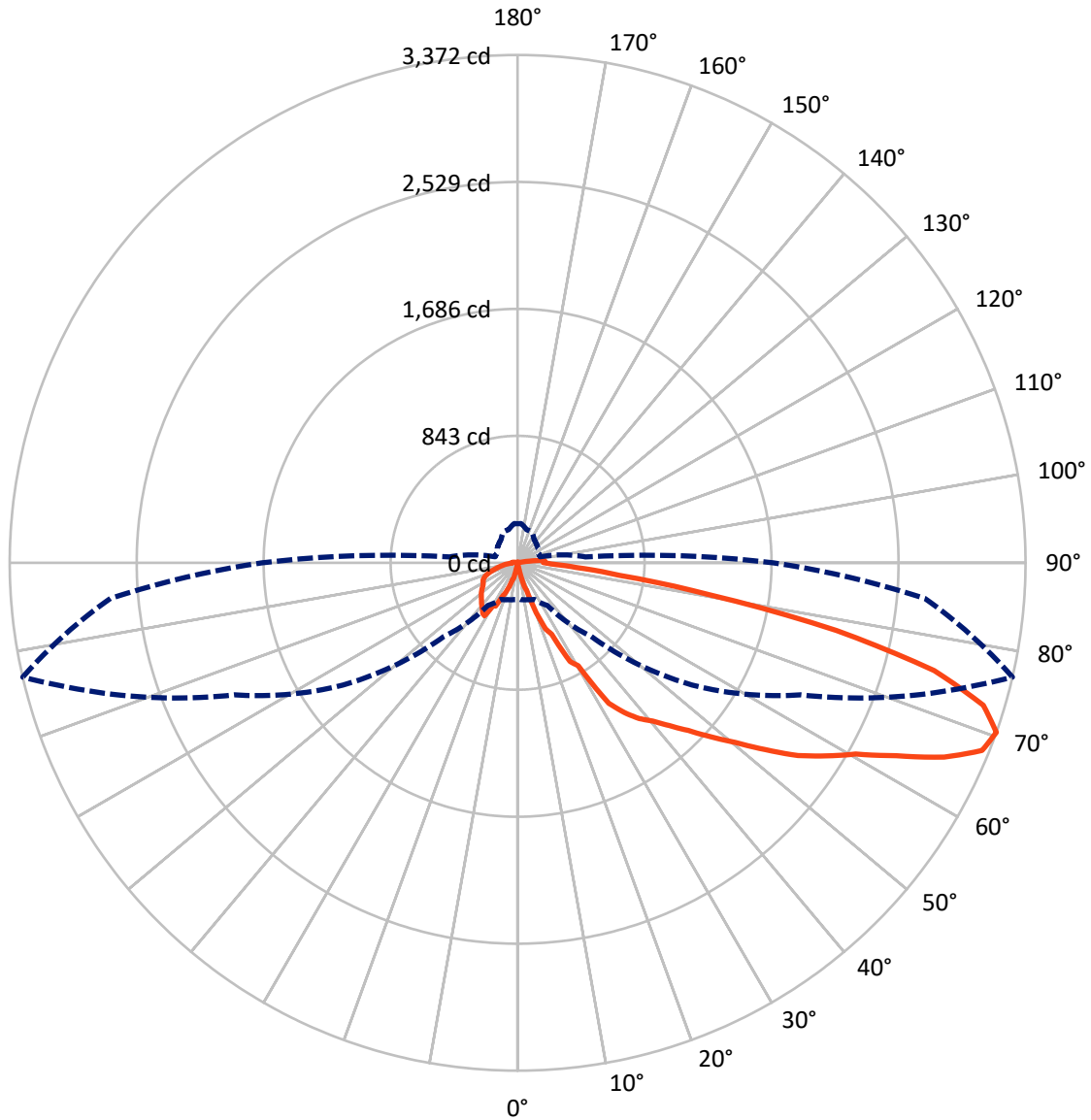


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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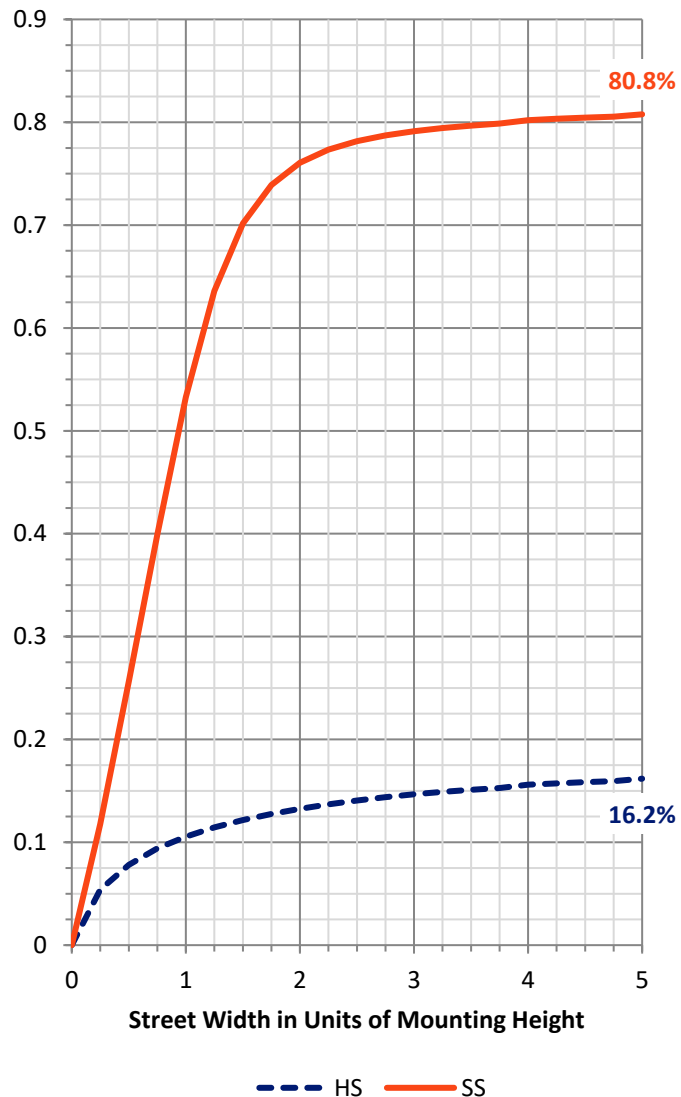
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.5	28.6	680.1
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	3136.3	35.6	3171.9
	% Fixture	81.4	0.9	82.3
Total	Lumens	3787.8	64.2	3852.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	45.8	1.2
20°-30°	181.5	4.7
30°-40°	438.4	11.4
40°-50°	709.1	18.4
50°-60°	848.1	22.0
60°-70°	829.4	21.5
70°-80°	573.3	14.9
80°-90°	159.1	4.1
90°-100°	41.9	1.1
100°-110°	8.6	0.2
110°-120°	4.6	0.1
120°-130°	3.7	0.1
130°-140°	2.5	0.1
140°-150°	2.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3787.8	98.3
0°-180°	3852.0	100.0

Coefficient of Utilization



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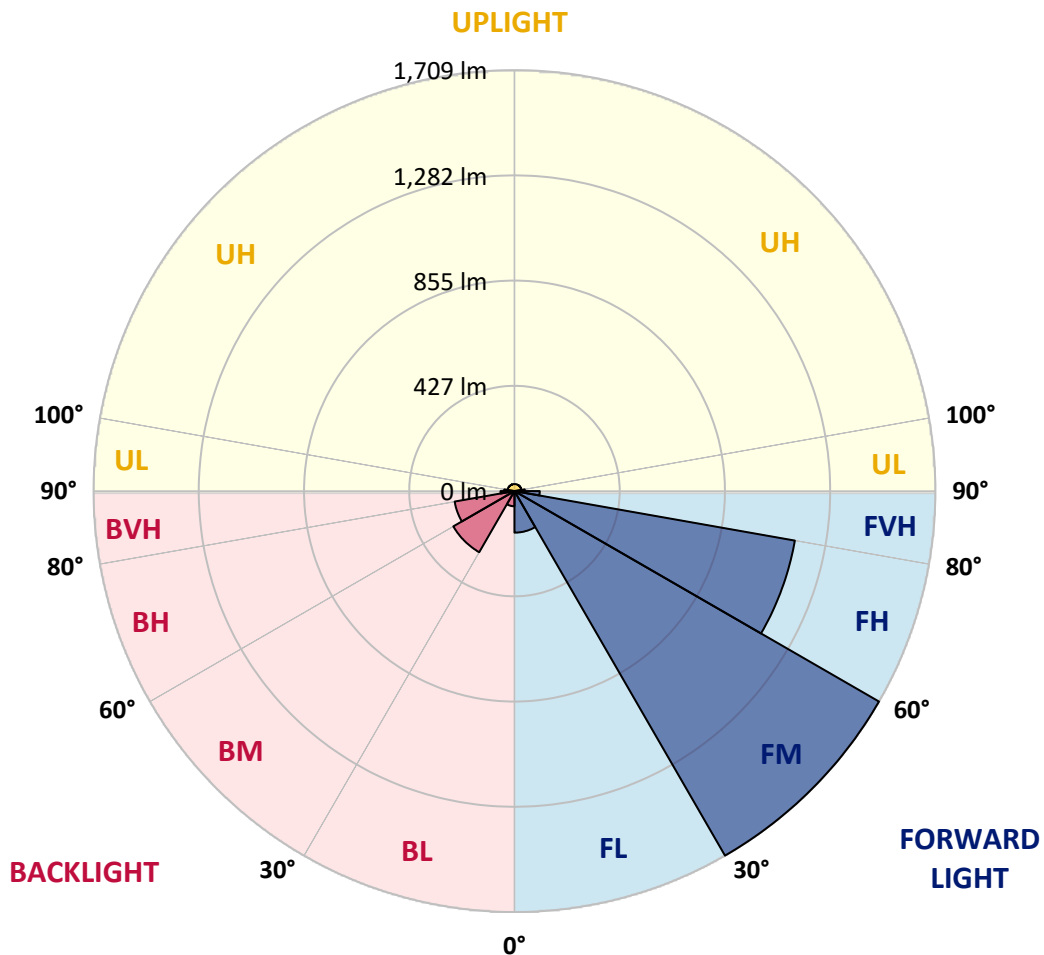
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.8	4.4			
FM (30°-60°)	1709.0	44.4			
FH (60°-80°)	1156.0	30.0			G1/1800
FVH (80°-90°)	102.5	2.7			G2/225
BL (0°-30°)	61.7	1.6	B0/110		
BM (30°-60°)	286.6	7.4	B1/1000		
BH (60°-80°)	246.6	6.4	B1/500		G1/500
BVH (80°-90°)	56.6	1.5			G1/100
UL (90°-100°)	41.9	1.1		U2/50	
UH (100°-180°)	28.6	0.7		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.8	4.4	4.4	4.8	5.7	5.2	3.9	3.0	2.6	2.6	2.6
5°	94.4	91.4	89.2	63.1	13.9	8.3	5.2	3.9	3.0	3.0	2.6
7.5°	112.7	110.9	110.1	107.0	103.5	96.6	17.4	5.7	3.5	3.5	3.0
10°	127.5	126.2	124.4	122.7	117.9	113.1	103.5	14.4	5.7	5.7	4.8
12.5°	259.7	255.8	252.3	179.2	133.1	127.9	118.8	81.4	61.8	59.6	71.8
15°	266.7	266.7	266.7	268.9	264.9	142.7	194.5	243.6	161.0	155.7	161.0
17.5°	284.1	281.5	277.1	278.4	283.7	315.0	290.2	271.0	214.5	190.6	185.3
20°	425.0	422.9	424.2	393.3	302.4	396.8	394.2	305.4	348.5	353.3	344.1
22.5°	453.8	453.3	452.0	450.3	516.8	421.1	453.3	480.3	486.8	477.2	395.9
25°	643.9	639.1	581.2	489.9	553.8	506.8	604.7	532.5	542.1	525.1	501.6
27.5°	735.7	725.7	715.7	688.2	594.7	677.4	643.4	702.2	787.0	741.8	638.2
30°	970.6	976.2	814.4	805.3	735.7	718.3	787.9	825.3	826.2	793.1	716.5
32.5°	1195.1	1179.8	1142.0	979.3	876.2	804.4	913.6	878.8	1081.1	1112.4	971.5
35°	1415.2	1385.6	1274.7	1164.2	1022.4	991.5	978.9	1100.2	1176.8	1221.6	1051.1
37.5°	1728.9	1707.6	1601.4	1312.5	1178.5	1067.2	1147.7	1171.1	1293.0	1312.1	1159.8
40°	1844.2	1829.8	1741.5	1514.8	1300.8	1191.2	1223.4	1256.4	1408.2	1381.7	1241.6
42.5°	1926.8	1921.6	1851.1	1620.6	1460.0	1314.3	1310.8	1327.8	1526.6	1477.9	1323.4
45°	1990.3	1982.9	1941.2	1688.4	1535.3	1390.4	1405.2	1415.6	1630.6	1587.9	1417.0
47.5°	1978.2	1981.2	1986.9	1772.8	1580.1	1464.8	1501.8	1491.3	1715.4	1725.4	1521.8
50°	1884.6	1890.7	1932.5	1806.8	1605.8	1525.7	1585.3	1575.7	1833.7	1875.5	1642.7
52.5°	1606.6	1616.6	1771.5	1754.1	1628.4	1573.6	1671.0	1673.2	1972.1	2060.8	1797.2
55°	1176.4	1214.2	1402.6	1579.7	1603.6	1588.8	1728.4	1796.7	2131.3	2259.2	1935.1
57.5°	946.2	938.4	1068.5	1326.5	1480.9	1570.1	1788.9	1906.8	2276.6	2418.4	2073.0
60°	734.4	737.0	833.1	1018.0	1266.0	1524.0	1850.7	2006.0	2455.4	2578.5	2241.8
62.5°	546.9	552.1	621.7	732.2	1020.6	1395.2	1869.8	2130.0	2703.8	2820.4	2445.8
65°	397.2	405.9	443.7	511.6	737.4	1202.0	1811.5	2222.7	2979.2	3111.9	2663.8
67.5°	298.4	303.2	325.4	366.7	526.8	954.1	1667.5	2217.0	3117.6	3326.4	2757.3
70°	242.8	244.9	253.2	268.0	345.9	691.7	1414.8	2074.3	3147.1	3372.1	2713.8
72.5°	206.2	205.3	205.8	208.0	238.8	472.9	1092.8	1807.2	3034.0	3233.3	2517.6
75°	176.2	174.9	174.9	172.7	184.5	331.9	752.6	1458.7	2733.4	2857.0	2120.9
77.5°	150.1	147.9	147.5	143.1	148.4	247.1	498.6	1086.3	2162.6	2164.8	1503.5
80°	127.9	124.0	122.2	119.2	125.3	188.4	325.4	708.7	1323.0	1301.7	834.4
82.5°	94.4	94.4	97.0	97.9	107.9	139.7	229.7	421.6	722.2	683.5	483.8
85°	54.4	59.2	70.0	71.3	82.7	92.7	172.7	249.7	404.2	389.8	248.0
87.5°	20.0	19.1	29.1	30.9	34.8	34.8	94.0	137.0	211.9	220.6	195.3
90°	16.5	16.5	11.3	10.4	13.5	22.6	63.5	96.1	159.2	171.0	184.5
92.5°	17.4	17.4	11.3	10.0	12.6	20.0	53.5	90.9	167.1	183.2	190.6
95°	16.5	17.0	10.0	9.1	11.7	17.0	40.0	77.9	160.5	175.8	186.2
97.5°	14.4	14.8	8.3	7.8	10.4	12.2	21.8	38.7	80.0	83.1	86.1
100°	11.7	11.7	6.1	6.5	8.3	8.3	11.3	20.4	19.6	16.1	13.9
102.5°	10.0	10.9	5.7	5.2	6.1	5.2	5.2	7.8	11.7	10.0	13.5
105°	8.3	9.1	4.8	4.4	4.8	4.4	3.5	5.7	8.7	10.0	14.4
107.5°	5.7	6.1	3.5	3.9	3.9	3.9	2.6	4.4	8.3	9.6	14.8
110°	3.9	3.9	2.6	3.5	3.5	3.9	2.6	4.4	6.5	7.4	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	2.6	2.6	2.2	2.6	3.0	3.0	2.6	3.9	5.7	6.1	8.3
115°	2.2	2.2	1.7	2.2	2.6	2.6	2.2	3.5	5.7	6.5	8.7
117.5°	2.6	2.2	1.7	2.2	2.6	2.2	2.2	3.0	5.7	6.5	8.7
120°	2.6	2.6	2.2	2.2	2.2	2.2	2.2	3.0	5.7	6.5	8.7
122.5°	3.0	2.6	2.2	2.2	2.2	2.2	2.2	2.6	5.2	6.1	8.3
125°	3.0	3.0	2.2	2.2	2.6	2.2	2.2	2.6	5.2	5.7	7.8
127.5°	3.5	3.0	2.6	2.2	2.6	2.2	2.2	2.6	4.8	5.2	7.0
130°	3.5	3.5	2.6	2.2	2.6	2.2	2.2	2.2	3.9	4.4	6.1
132.5°	3.5	3.5	3.0	2.6	3.0	2.6	2.2	2.2	3.0	3.5	4.8
135°	3.9	3.5	3.5	3.0	3.5	3.0	2.2	2.2	2.2	2.6	3.5
137.5°	3.9	3.9	3.9	3.5	3.9	3.0	2.2	2.2	2.2	2.2	2.6
140°	4.8	4.8	4.4	3.9	4.4	3.5	2.6	2.2	2.2	2.2	2.6
142.5°	5.7	5.7	5.2	4.8	4.4	3.5	3.0	2.6	2.6	2.6	2.6
145°	6.5	6.1	6.1	5.2	4.4	3.5	3.0	3.0	3.0	3.0	3.0
147.5°	6.5	6.5	6.1	4.8	3.9	2.6	2.6	3.5	3.5	3.5	3.5
150°	6.1	6.1	5.2	4.4	3.0	2.2	2.2	3.0	3.5	3.5	3.5
152.5°	4.8	4.4	3.9	2.6	2.2	1.3	1.7	2.2	2.6	2.6	3.0
155°	3.0	2.6	2.2	1.7	1.7	1.3	1.3	1.7	1.7	1.7	2.2
157.5°	1.3	1.3	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.4	0.4	1.3	1.3	1.3	0.9	0.9	0.9	0.9
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.6	2.6	2.6	2.6	2.6	2.2	2.6	3.0	3.5	3.5	3.5
5°	2.6	2.6	2.6	3.0	3.0	2.6	3.0	3.9	4.4	4.4	4.4
7.5°	3.0	2.6	3.0	3.5	3.5	3.5	15.2	43.9	48.7	49.6	50.5
10°	4.4	4.4	4.4	4.8	5.2	45.7	53.9	56.6	58.3	59.6	60.0
12.5°	66.1	57.9	36.1	9.6	46.1	56.6	59.6	64.0	66.1	68.7	67.9
15°	148.4	131.4	98.8	84.4	82.7	63.1	66.1	110.1	122.2	124.4	124.0
17.5°	167.9	144.4	110.1	117.5	122.2	94.8	111.4	123.1	125.3	127.5	127.0
20°	312.4	248.8	149.2	129.2	127.9	160.1	118.8	122.7	127.0	149.7	152.3
22.5°	346.7	286.3	195.3	189.2	154.4	162.7	154.9	157.1	170.5	170.5	169.7
25°	434.2	346.3	220.6	193.2	196.2	161.8	181.8	157.1	159.7	159.7	160.1
27.5°	564.7	445.1	292.8	215.3	194.0	195.8	172.7	159.2	182.3	184.9	186.2
30°	604.3	462.0	289.7	240.6	202.7	190.1	161.4	178.4	171.8	171.8	170.5
32.5°	844.4	630.4	360.7	235.4	208.0	176.6	178.8	167.9	164.9	178.4	178.4
35°	891.8	649.1	348.0	264.9	199.7	184.0	170.1	172.7	167.1	166.2	164.9
37.5°	946.2	662.1	319.8	248.8	211.0	176.6	175.8	169.2	161.8	172.3	174.0
40°	998.0	674.8	297.1	229.7	194.9	175.8	172.3	168.8	153.1	153.1	152.7
42.5°	1056.3	683.0	276.7	214.5	179.2	176.2	166.6	155.7	145.3	148.4	147.5
45°	1116.8	688.2	255.8	197.5	165.3	182.3	167.1	162.3	154.0	155.3	154.0
47.5°	1191.2	696.9	237.5	181.0	156.6	167.1	157.9	155.7	160.5	156.2	158.8
50°	1270.3	701.7	220.6	166.6	147.9	162.3	163.6	157.1	160.5	153.1	152.7
52.5°	1365.2	706.1	202.3	157.1	146.6	161.4	171.4	164.4	158.4	148.8	147.9
55°	1448.7	692.2	186.6	151.0	155.3	159.7	177.9	169.7	157.1	146.2	146.6
57.5°	1539.6	674.3	174.0	148.4	153.6	156.6	187.1	177.1	162.7	163.1	163.6
60°	1633.6	657.4	166.2	147.9	151.4	157.9	188.4	187.1	170.1	174.0	177.1
62.5°	1745.8	643.9	164.9	151.0	159.2	164.9	189.7	203.2	188.4	190.1	191.0
65°	1833.7	604.7	163.6	152.7	162.3	166.2	190.1	214.5	208.0	218.0	217.1
67.5°	1806.8	532.5	161.4	154.4	164.4	173.1	189.7	222.7	221.9	244.9	242.8
70°	1696.7	452.4	154.4	152.3	165.3	176.6	190.1	224.9	228.8	261.5	259.3
72.5°	1511.4	365.0	141.8	146.2	165.8	181.0	195.8	225.4	229.7	275.8	269.3
75°	1264.7	295.0	123.1	132.3	171.0	183.6	197.1	221.0	221.0	264.5	256.2
77.5°	910.1	227.1	106.2	120.1	169.2	181.8	193.2	211.0	208.0	228.8	221.0
80°	530.3	167.5	90.5	117.9	158.8	178.4	182.3	186.2	171.8	176.6	171.8
82.5°	318.5	124.0	78.3	105.7	139.7	160.5	163.6	157.1	137.9	137.5	130.9
85°	191.0	84.8	57.4	81.8	110.1	134.0	137.5	119.2	101.4	111.8	100.1
87.5°	141.0	53.5	39.6	50.9	67.0	62.6	81.8	77.0	65.7	63.1	62.2
90°	127.0	40.9	32.6	41.3	45.2	38.7	41.8	41.8	33.9	33.5	31.8
92.5°	125.7	38.3	34.8	40.5	36.5	30.9	33.9	33.5	27.0	25.7	24.4
95°	117.5	34.4	34.8	36.5	32.2	25.2	27.4	25.7	19.1	17.8	16.5
97.5°	55.3	23.9	33.1	31.8	26.5	19.6	22.6	19.6	13.5	11.7	11.7
100°	13.1	20.4	28.3	28.7	21.3	14.8	15.7	12.6	8.7	7.4	7.4
102.5°	13.1	9.1	17.4	22.6	13.1	6.1	8.7	8.3	6.5	6.5	7.0
105°	13.1	8.7	8.7	14.8	7.8	3.9	3.9	5.2	5.7	7.4	8.3
107.5°	13.5	9.1	7.0	7.0	5.7	3.9	3.5	3.9	5.7	8.7	9.1
110°	11.3	8.3	6.5	6.1	5.7	3.9	3.0	3.9	5.7	9.6	10.4



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	7.4	5.7	5.7	4.8	3.9	3.0	3.5	6.1	10.4	11.3
115°	8.3	7.0	5.2	4.8	3.9	3.5	3.0	3.5	6.5	11.3	12.2
117.5°	8.7	7.0	4.8	4.4	3.5	2.6	2.6	3.5	6.5	11.7	12.6
120°	8.7	7.0	4.8	4.4	3.5	2.6	2.6	3.9	7.0	11.3	12.2
122.5°	8.3	7.0	4.8	4.4	3.5	2.2	2.6	3.5	6.5	10.9	11.7
125°	7.4	6.5	4.8	3.9	3.5	2.2	2.6	3.5	6.5	10.4	10.9
127.5°	7.0	6.1	4.4	3.9	3.0	2.2	2.6	3.5	6.1	9.6	10.0
130°	6.1	5.7	3.9	3.5	3.0	2.2	2.6	3.5	6.1	8.7	9.1
132.5°	4.8	4.4	3.5	3.0	3.0	2.2	2.6	3.0	4.8	7.4	7.8
135°	3.5	3.5	3.0	3.0	3.0	2.2	2.6	2.6	3.9	5.7	6.1
137.5°	2.6	2.6	2.6	3.0	2.6	2.2	2.2	2.6	3.5	4.4	4.8
140°	2.6	2.6	2.6	3.0	2.6	2.2	2.2	2.6	3.0	3.5	3.9
142.5°	2.6	2.6	2.6	3.0	2.6	1.7	2.2	2.6	3.0	3.5	3.5
145°	3.0	3.0	3.0	3.0	2.6	1.7	1.7	2.6	3.0	3.5	3.5
147.5°	3.5	3.5	3.0	3.0	2.6	1.3	1.3	2.6	3.0	3.5	3.5
150°	3.5	3.5	3.0	3.0	2.2	1.3	1.3	2.2	3.0	3.0	3.0
152.5°	2.6	2.6	2.6	2.6	2.2	0.9	0.9	1.7	2.6	2.6	2.6
155°	2.2	2.2	2.2	2.2	1.7	0.9	0.4	1.3	2.2	2.2	2.2
157.5°	1.3	1.7	1.7	2.2	1.7	0.9	0.4	0.9	1.7	1.7	1.7
160°	0.9	1.3	1.3	1.7	1.7	0.9	0.4	0.9	1.3	1.3	1.3
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)