

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: P414889

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2913 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

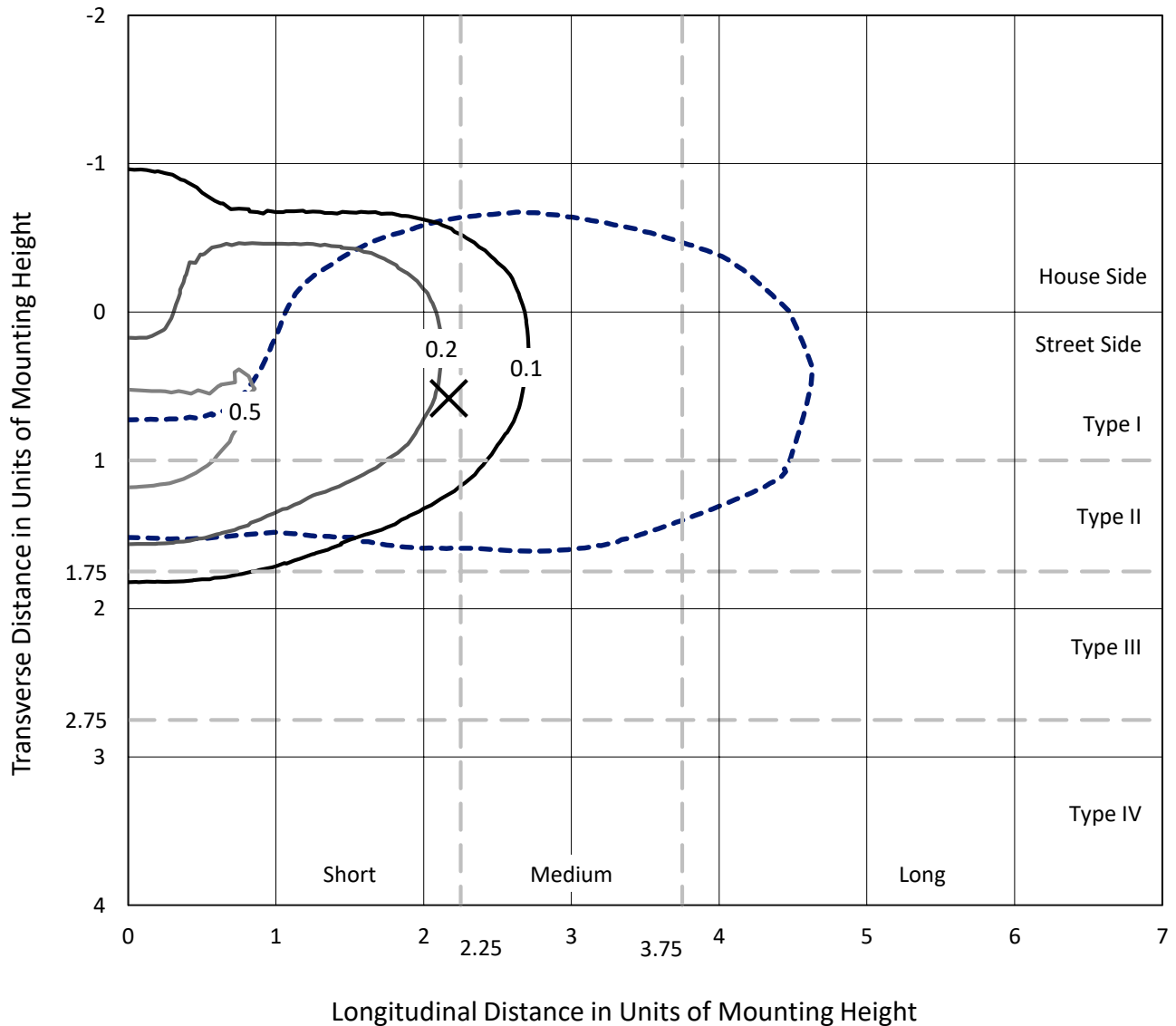
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

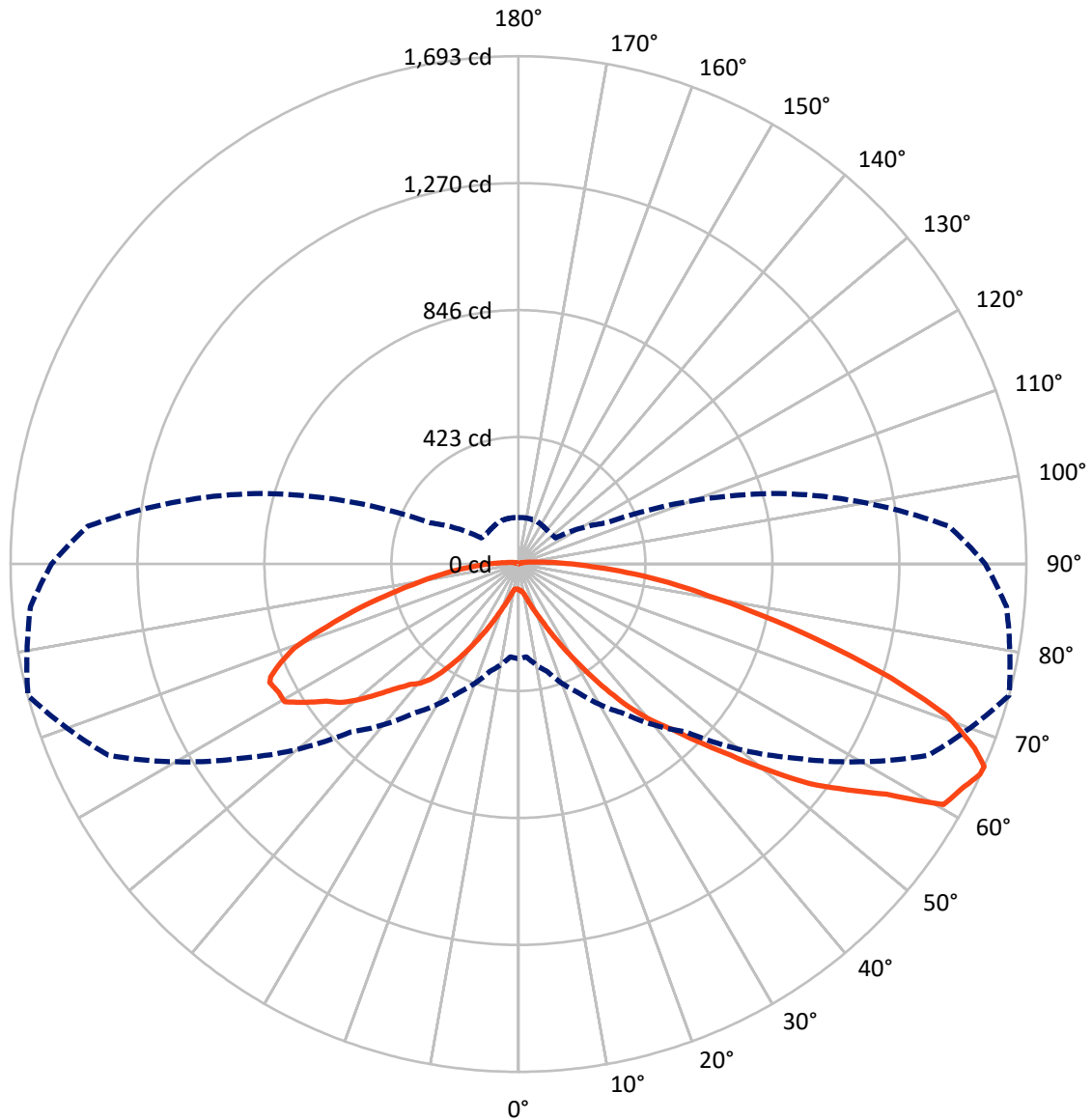
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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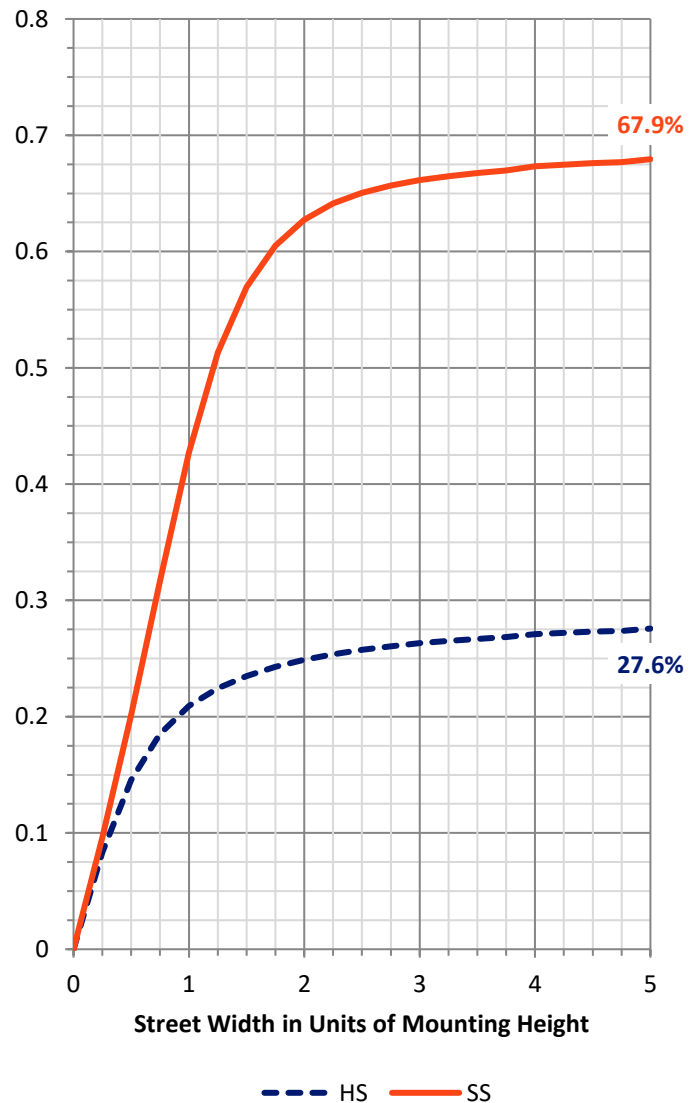
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	827.3	40.4	867.7
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	2005.3	39.9	2045.2
	% Fixture	68.8	1.4	70.2
Total	Lumens	2832.7	80.3	2913.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.3
10°-20°	36.6	1.3
20°-30°	111.0	3.8
30°-40°	274.6	9.4
40°-50°	495.9	17.0
50°-60°	670.0	23.0
60°-70°	672.6	23.1
70°-80°	406.2	13.9
80°-90°	157.0	5.4
90°-100°	46.6	1.6
100°-110°	16.8	0.6
110°-120°	8.2	0.3
120°-130°	4.8	0.2
130°-140°	2.9	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2832.7	97.2
0°-180°	2913.0	100.0



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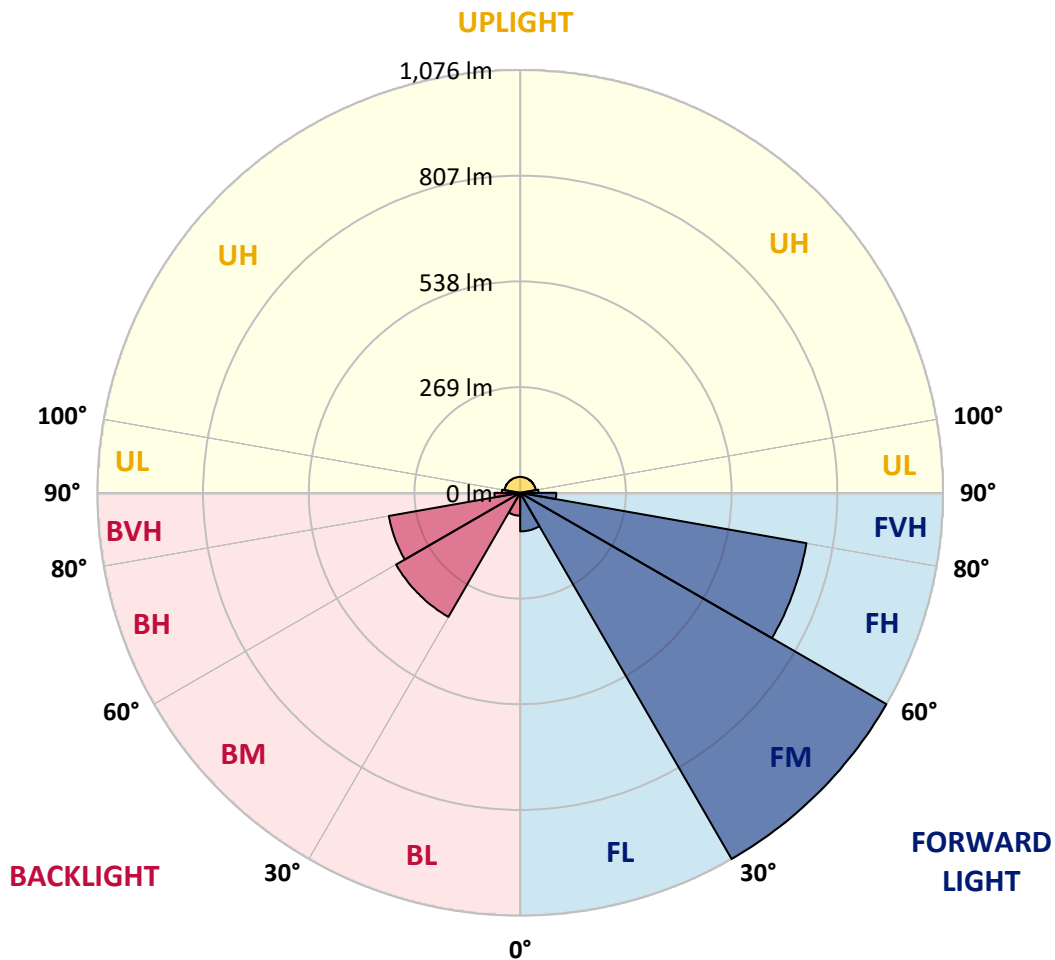
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.1	3.4			
FM	(30°-60°)	1075.8	36.9			
FH	(60°-80°)	739.6	25.4			G1/1800
FVH	(80°-90°)	91.7	3.1			G1/100
BL	(0°-30°)	58.2	2.0	B0/110		
BM	(30°-60°)	364.7	12.5	B1/1000		
BH	(60°-80°)	339.2	11.6	B1/500		G1/500
BVH	(80°-90°)	65.3	2.2			G1/100
UL	(90°-100°)	46.6	1.6		U2/50	
UH	(100°-180°)	40.4	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	94.7	94.1	93.4	92.7	92.0	91.4	90.0	88.4	87.0	87.0	85.7
5°	103.5	102.8	101.8	100.4	99.1	97.8	95.1	92.4	89.7	89.7	87.3
7.5°	114.2	113.9	112.5	110.9	107.8	104.8	101.5	97.4	93.7	93.4	90.4
10°	128.0	127.3	125.3	123.0	119.6	115.6	110.9	105.8	100.4	100.1	96.4
12.5°	147.1	145.8	142.4	138.7	132.4	128.3	123.0	118.2	114.2	113.2	108.2
15°	172.0	170.3	166.6	160.2	151.8	144.5	141.4	136.4	132.0	130.7	126.0
17.5°	203.9	202.2	195.8	185.8	177.0	169.6	162.9	157.9	154.2	153.9	147.1
20°	247.6	243.6	233.1	219.0	207.6	198.5	189.1	183.4	179.7	178.4	174.3
22.5°	301.3	300.3	285.5	267.1	248.3	231.8	221.4	215.0	212.3	212.6	210.3
25°	369.9	366.8	352.7	325.9	297.6	276.8	262.4	258.3	258.0	255.6	254.6
27.5°	443.1	439.1	420.6	394.7	357.4	329.2	313.1	308.7	309.7	307.0	309.1
30°	532.8	530.8	503.9	466.3	426.0	389.0	372.2	368.5	370.9	374.2	372.2
32.5°	643.6	646.7	610.1	559.3	502.9	460.2	441.8	440.4	443.8	443.1	442.1
35°	778.7	784.1	733.3	671.9	594.3	543.5	520.4	518.7	525.4	524.7	525.4
37.5°	923.1	925.5	884.2	786.8	696.4	626.2	607.0	605.0	611.4	607.7	604.0
40°	1037.0	1048.1	999.7	916.1	798.2	726.6	703.4	692.4	686.6	682.6	655.7
42.5°	1144.9	1138.1	1103.9	1010.8	902.7	824.7	793.8	773.0	754.5	751.8	722.3
45°	1215.4	1207.0	1174.4	1088.4	987.0	922.5	893.9	868.7	847.9	838.5	802.9
47.5°	1219.4	1215.4	1207.7	1143.2	1054.5	998.4	989.0	975.5	952.7	953.0	907.4
50°	1158.0	1151.6	1174.1	1149.6	1088.1	1058.5	1094.1	1108.9	1079.7	1076.7	1029.3
52.5°	1049.1	1045.8	1086.7	1110.9	1089.1	1100.5	1185.2	1238.9	1216.1	1204.0	1142.8
55°	938.9	943.0	978.6	1017.5	1053.5	1112.6	1265.8	1373.0	1327.9	1319.9	1243.6
57.5°	788.8	802.2	855.3	916.4	972.9	1095.8	1308.1	1457.9	1446.5	1443.5	1378.3
60°	624.2	622.8	701.4	790.5	883.2	1040.4	1310.5	1564.8	1628.3	1613.8	1521.8
62.5°	484.8	488.1	544.5	656.1	780.4	956.1	1278.2	1612.5	1654.8	1638.3	1558.1
65°	351.1	356.4	425.3	515.3	655.7	842.2	1186.5	1547.6	1690.8	1680.7	1635.3
66°	315.4	310.7	371.2	473.3	606.7	791.8	1128.7	1508.3	1692.8	1687.1	1633.0
67.5°	253.6	259.7	306.4	395.4	527.8	711.5	1024.3	1445.5	1640.4	1632.6	1596.4
70°	187.8	193.5	225.4	296.6	400.4	567.4	846.9	1248.7	1516.7	1522.4	1518.4
72.5°	139.1	145.1	167.0	218.4	296.3	421.9	671.2	1052.5	1297.0	1310.5	1301.1
75°	108.2	110.5	128.7	164.6	216.7	297.3	496.5	815.6	1055.8	1080.7	1089.4
77.5°	87.0	89.0	103.8	127.0	162.3	217.0	348.0	608.0	835.8	853.3	869.7
80°	70.2	71.6	83.6	102.1	124.3	155.2	234.8	441.8	641.3	651.4	675.6
82.5°	56.4	57.4	66.2	82.0	99.4	117.9	167.0	308.4	503.6	513.0	543.5
85°	44.3	45.0	52.7	65.2	80.0	93.4	120.6	218.0	362.8	371.5	408.5
87.5°	34.9	35.6	41.7	50.7	64.5	73.9	89.0	146.8	244.9	257.3	299.3
90°	27.5	27.9	32.2	39.3	50.1	60.1	69.9	102.5	163.3	170.3	193.8
92.5°	20.8	21.2	24.5	29.9	39.0	47.7	53.4	70.9	104.5	107.5	124.3
95°	15.5	15.8	18.5	21.8	29.2	37.3	41.3	49.7	65.8	69.9	74.2
97.5°	12.1	12.4	14.1	16.1	21.5	29.2	32.9	36.6	45.0	46.4	49.7
100°	10.4	10.4	11.4	12.8	16.1	22.8	25.9	28.9	33.9	33.9	35.9
102.5°	8.7	8.7	9.4	10.1	13.1	18.1	20.8	22.8	25.5	25.9	27.5
105°	7.7	7.7	8.1	8.7	11.1	14.8	17.1	18.1	19.8	19.8	20.5
107.5°	6.7	6.7	7.1	7.4	9.7	12.4	13.8	14.1	14.8	14.8	15.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	6.4	6.4	6.4	6.7	8.4	10.7	11.4	11.1	11.4	11.4	12.4
112.5°	6.0	5.7	5.7	6.0	7.7	9.4	9.4	9.1	9.1	9.1	10.1
115°	5.7	5.7	5.4	5.7	7.1	8.1	8.1	7.4	7.4	7.4	8.4
117.5°	5.7	5.7	5.4	5.4	6.4	7.4	7.1	6.4	6.0	6.4	7.4
120°	5.7	5.7	5.0	5.0	6.0	6.4	6.4	5.4	5.4	5.4	6.4
122.5°	5.7	5.7	5.0	5.0	5.7	6.0	5.7	4.7	4.7	4.7	5.7
125°	6.0	5.7	5.0	5.0	5.4	5.4	5.0	4.4	4.0	4.0	5.0
127.5°	6.0	6.0	5.4	5.0	5.0	5.0	4.7	4.0	3.7	3.7	4.7
130°	6.7	6.4	5.7	5.0	4.7	4.4	4.0	3.7	3.7	3.7	4.4
132.5°	6.7	6.7	5.7	4.7	4.4	4.0	3.7	3.0	3.4	3.4	4.0
135°	6.4	6.0	5.0	4.4	4.0	3.4	3.0	2.7	3.0	3.0	3.7
137.5°	5.7	5.4	4.7	3.7	3.4	2.7	2.4	2.0	2.4	2.4	3.0
140°	4.7	4.7	3.7	3.0	2.7	2.4	2.0	1.3	1.7	2.0	2.4
142.5°	4.0	3.7	3.0	2.4	2.0	1.7	1.3	1.0	1.3	1.3	1.7
145°	3.4	3.0	2.4	1.7	1.3	1.0	0.7	0.7	0.7	0.7	1.0
147.5°	2.7	2.4	1.7	1.0	0.7	0.7	0.3	0.3	0.7	0.7	0.7
150°	2.0	2.0	1.3	0.7	0.3	0.3	0.0	0.3	0.3	0.3	0.3
152.5°	1.7	1.7	1.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	85.3	84.7	84.0	83.3	82.6	82.3	81.3	80.6	80.6	80.6	80.3
5°	86.3	85.0	83.3	82.0	80.3	78.9	77.9	76.9	76.3	76.3	76.3
7.5°	88.7	87.3	84.3	81.6	79.3	77.3	75.9	74.9	74.6	74.2	74.2
10°	94.1	91.7	87.7	83.6	80.3	77.6	76.3	75.6	75.2	75.2	75.2
12.5°	106.2	102.8	96.7	90.0	84.3	80.3	78.9	78.9	81.0	82.0	82.0
15°	122.3	119.3	112.2	102.8	93.7	87.0	86.0	88.4	91.0	92.4	92.0
17.5°	144.5	140.4	131.0	118.6	106.5	99.8	96.7	99.1	102.5	104.1	104.1
20°	170.7	166.6	153.9	137.1	122.3	114.9	110.2	110.2	114.6	115.9	116.6
22.5°	206.6	200.6	182.4	159.2	140.1	128.7	123.0	121.9	127.0	129.3	128.7
25°	246.9	242.2	221.0	186.4	161.6	143.1	135.4	135.4	141.8	147.1	147.5
27.5°	303.3	291.6	262.0	219.7	182.4	156.5	148.1	149.8	156.5	161.9	161.9
30°	362.5	354.1	310.7	255.0	202.6	169.0	156.9	159.6	165.6	171.7	171.7
32.5°	434.0	419.9	366.5	289.9	221.0	177.0	161.6	165.3	172.3	178.4	178.4
35°	503.9	492.5	422.6	326.5	237.2	180.4	163.6	168.0	176.0	183.4	184.1
37.5°	585.2	560.3	477.4	359.4	248.9	181.1	162.9	170.7	181.4	189.8	190.1
40°	633.9	604.0	514.3	384.0	254.3	178.7	162.9	172.7	181.7	184.8	184.4
42.5°	691.7	654.1	540.2	387.0	247.6	174.0	162.6	170.3	174.3	174.3	174.0
45°	769.3	727.0	581.2	388.7	233.8	168.3	159.9	164.9	163.9	160.9	159.9
47.5°	864.4	813.0	633.2	394.7	220.4	162.6	156.9	158.2	153.5	146.8	146.5
50°	977.9	917.4	694.4	401.1	208.6	157.9	154.2	152.8	148.1	142.4	141.8
52.5°	1084.4	1011.5	749.8	405.5	198.9	154.9	152.2	151.8	147.1	139.7	139.1
55°	1180.8	1093.5	787.1	397.1	190.1	153.5	152.2	152.5	146.5	139.1	138.1
57.5°	1320.2	1224.5	846.2	384.6	179.7	153.2	153.2	153.5	146.1	139.1	138.1
60°	1441.5	1335.0	904.3	383.6	169.6	152.8	153.5	153.2	147.8	143.4	142.4
62.5°	1483.1	1381.7	907.0	359.4	163.3	151.2	152.2	153.9	152.8	150.8	149.8
65°	1561.8	1450.9	918.4	332.2	154.2	148.1	150.5	154.9	155.5	154.2	153.2
66°	1556.0	1441.2	907.4	323.8	151.2	146.5	149.5	154.2	155.5	155.2	154.5
67.5°	1527.8	1416.0	870.7	300.0	146.8	143.4	147.8	152.5	155.5	156.5	155.9
70°	1451.6	1340.0	797.8	264.0	138.4	136.4	142.4	148.5	153.5	155.2	154.9
72.5°	1236.9	1130.8	667.5	225.4	126.6	126.3	133.4	140.8	146.8	148.5	147.8
75°	1038.4	933.9	548.2	185.8	114.6	114.9	121.6	128.7	133.4	133.4	133.7
77.5°	832.4	744.1	434.4	154.2	102.1	102.1	106.8	112.5	115.6	114.2	112.2
80°	640.3	581.8	339.3	129.0	89.7	89.0	91.4	95.7	98.1	95.1	92.7
82.5°	517.0	466.6	268.4	107.5	77.6	76.9	77.9	81.0	82.3	78.9	77.9
85°	392.4	347.0	201.9	88.4	67.2	65.5	67.2	67.9	69.5	66.5	64.5
87.5°	277.5	245.9	146.5	73.6	57.4	56.4	56.1	56.8	57.8	55.8	54.8
90°	186.4	163.6	105.8	61.5	49.0	47.4	46.7	46.7	47.4	44.0	43.0
92.5°	119.6	105.8	73.6	49.0	41.0	39.0	37.6	38.0	37.6	34.3	33.6
95°	74.6	67.5	53.1	38.6	32.9	31.2	29.9	29.6	29.2	26.9	26.2
97.5°	48.7	46.4	39.6	30.6	26.2	24.9	24.2	23.9	23.9	22.2	21.2
100°	36.3	35.3	31.2	25.5	21.5	20.5	19.8	19.8	20.5	19.1	18.5
102.5°	28.2	28.6	25.5	21.5	18.1	17.5	16.8	16.8	17.5	16.8	16.5
105°	21.5	21.5	20.8	17.8	15.5	15.1	14.4	14.4	15.1	15.1	15.1
107.5°	16.8	17.5	16.8	14.8	13.4	13.1	12.4	12.4	13.1	13.4	13.8



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.4	14.1	13.8	12.8	11.8	11.4	10.7	10.4	11.1	12.1	12.1
112.5°	10.7	11.4	11.4	10.7	10.1	10.1	9.4	9.1	9.7	10.7	10.7
115°	9.1	9.7	9.7	9.4	9.1	8.7	8.1	7.7	8.4	9.4	9.7
117.5°	7.7	8.4	8.4	8.4	8.1	7.7	7.1	6.7	7.1	8.1	8.4
120°	7.1	7.4	7.4	7.4	7.1	7.1	6.4	6.0	6.4	7.4	7.4
122.5°	6.0	6.4	6.7	6.7	6.4	6.4	5.7	5.0	5.4	6.4	6.7
125°	5.4	5.7	6.0	6.0	5.7	5.7	5.0	4.7	5.0	5.7	6.0
127.5°	5.0	5.4	5.4	5.4	5.4	5.0	4.4	4.0	4.4	5.4	5.4
130°	4.7	5.0	5.0	5.0	4.7	4.4	4.0	3.7	4.0	5.0	5.0
132.5°	4.4	4.7	4.7	4.4	4.4	4.0	3.4	3.0	3.7	4.4	4.4
135°	3.7	4.0	4.0	4.0	3.7	3.4	3.0	2.7	3.4	3.7	3.7
137.5°	3.0	3.4	3.4	3.4	3.0	2.7	2.4	2.4	2.7	3.4	3.4
140°	2.4	2.7	2.7	2.7	2.4	2.4	2.0	1.7	2.4	2.7	2.7
142.5°	1.7	2.0	2.0	2.0	1.7	1.7	1.3	1.3	2.0	2.4	2.4
145°	1.0	1.3	1.3	1.3	1.3	1.0	1.0	1.0	1.3	1.7	1.7
147.5°	0.7	1.0	1.0	1.0	1.0	0.7	0.3	0.7	1.0	1.3	1.3
150°	0.3	0.7	0.7	0.7	0.7	0.3	0.0	0.3	0.7	1.0	1.0
152.5°	0.3	0.3	0.7	0.7	0.3	0.3	0.0	0.0	0.3	0.3	0.3
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.0
157.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)