

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: P415311

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3759 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 - U3 - 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

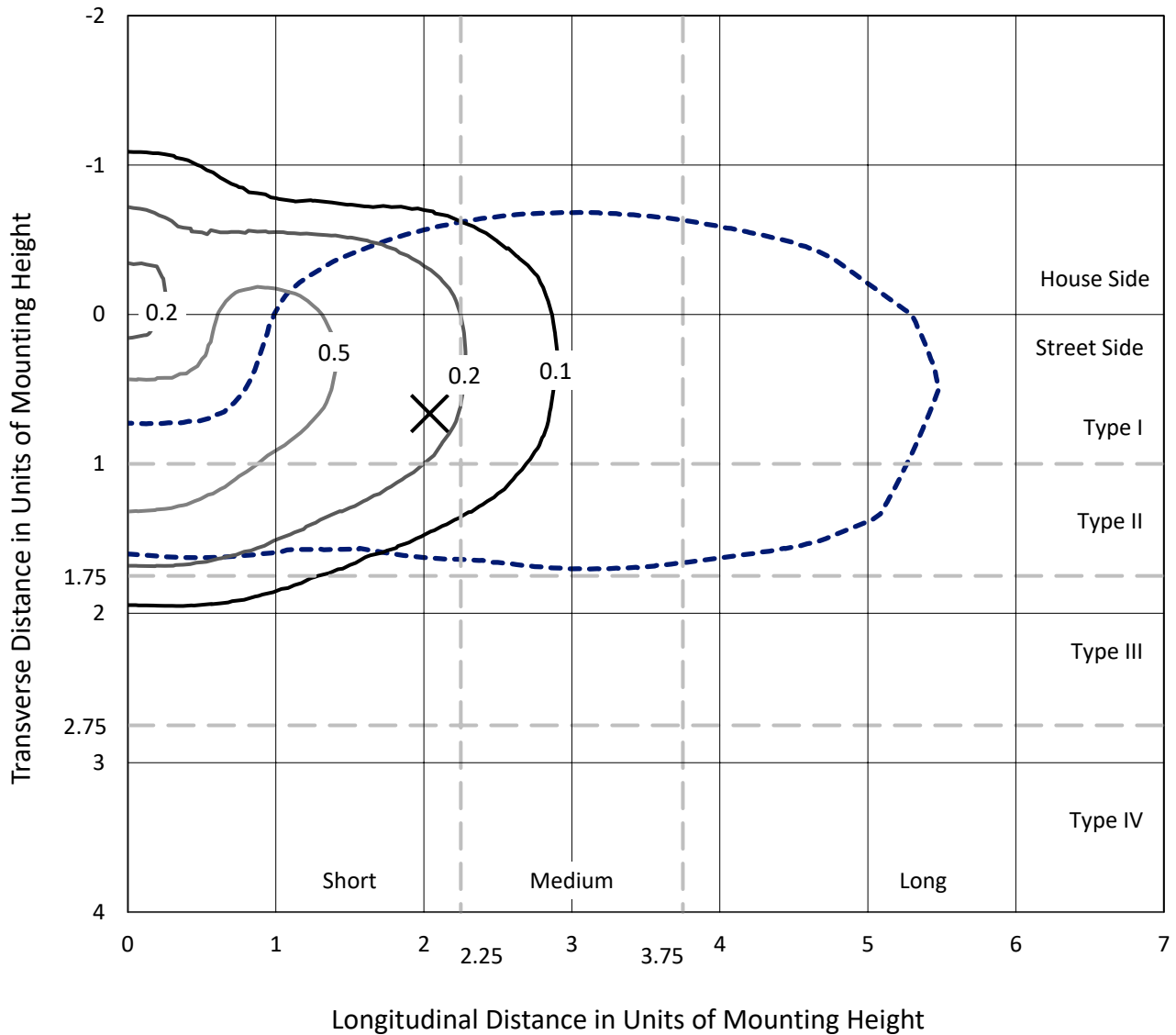


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

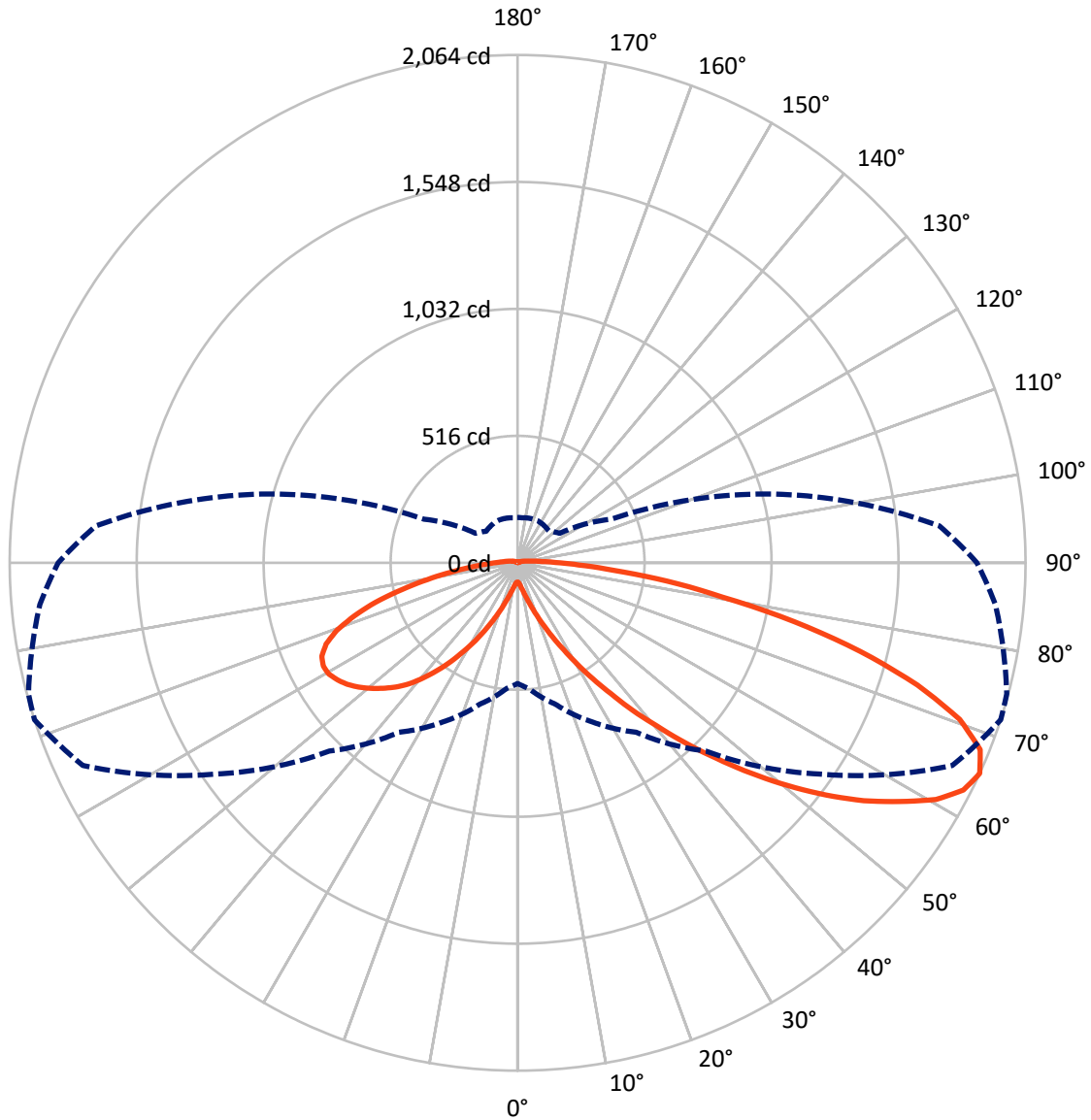


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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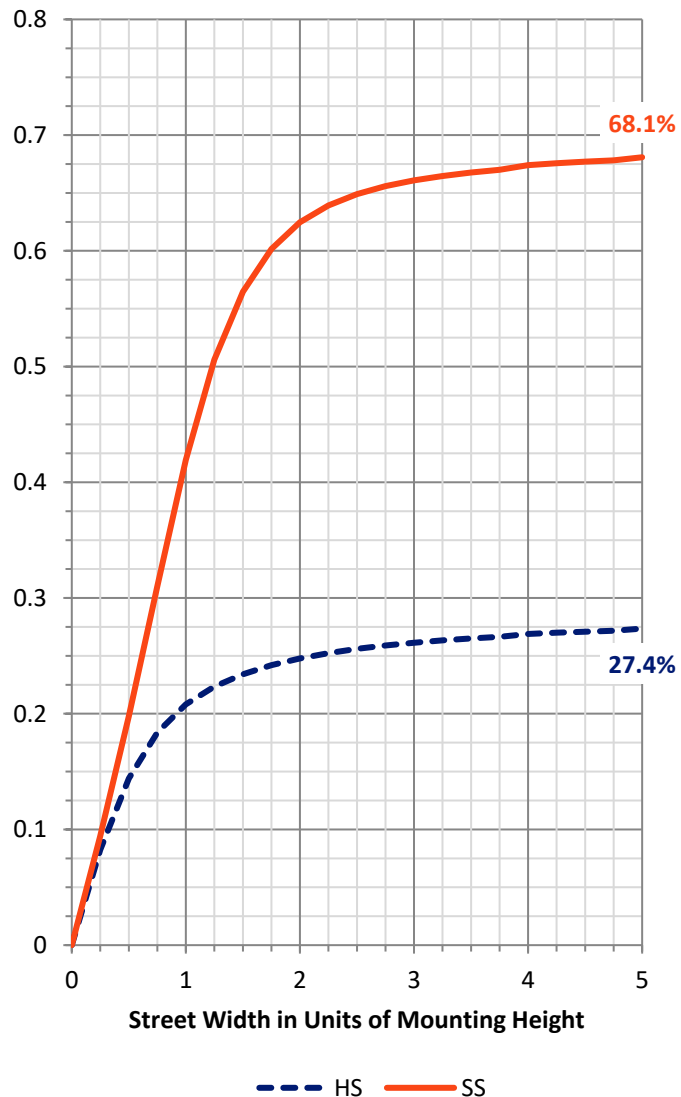
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.8	53.3	1113.2
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2593.9	52.0	2645.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	3653.7	105.3	3759.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.2
10°-20°	45.5	1.2
20°-30°	144.0	3.8
30°-40°	345.2	9.2
40°-50°	637.3	17.0
50°-60°	868.4	23.1
60°-70°	846.7	22.5
70°-80°	552.9	14.7
80°-90°	204.8	5.4
90°-100°	56.9	1.5
100°-110°	23.9	0.6
110°-120°	12.0	0.3
120°-130°	6.8	0.2
130°-140°	3.8	0.1
140°-150°	1.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3653.7	97.2
0°-180°	3759.0	100.0

Coefficient of Utilization



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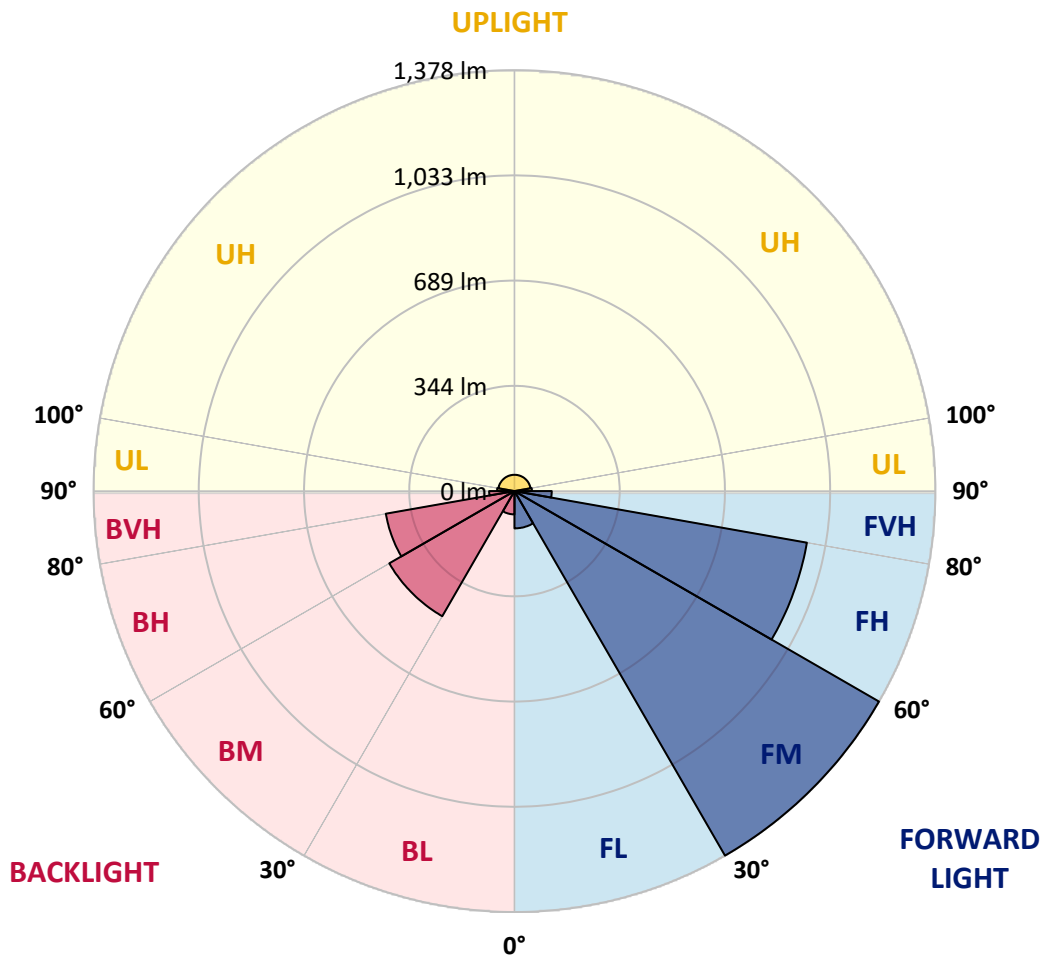
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.1	3.2			
FM (30°-60°)	1377.8	36.7			
FH (60°-80°)	972.0	25.9			G1/1800
FVH (80°-90°)	121.9	3.2			G2/225
BL (0°-30°)	76.3	2.0	B0/110		
BM (30°-60°)	473.0	12.6	B1/1000		
BH (60°-80°)	427.6	11.4	B1/500		G1/500
BVH (80°-90°)	82.9	2.2			G1/100
UL (90°-100°)	56.9	1.5		U3/500	
UH (100°-180°)	53.3	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	86.6	86.1	85.3	84.8	84.8	84.0	83.1	81.8	80.9	80.5	79.6
5°	97.9	97.0	96.2	95.3	94.4	93.1	90.9	89.6	87.9	87.4	85.7
7.5°	114.0	113.1	110.5	109.6	108.3	106.6	104.0	101.4	99.6	98.3	95.7
10°	135.3	134.4	132.7	130.5	127.9	124.4	120.1	117.5	113.1	114.0	110.1
12.5°	164.5	162.3	160.1	156.6	151.4	147.5	141.4	138.8	134.0	134.0	129.2
15°	199.7	199.3	194.9	187.5	182.7	174.5	169.2	163.6	160.5	160.5	156.6
17.5°	245.4	242.3	238.9	228.8	218.0	208.0	201.0	197.1	193.6	192.7	187.5
20°	301.9	297.6	292.4	274.5	261.5	249.3	239.3	236.2	233.6	233.2	228.8
22.5°	373.7	364.6	355.0	337.6	316.7	295.4	288.5	281.5	281.9	282.8	272.8
25°	453.3	450.7	433.8	409.0	381.6	358.1	338.9	336.3	338.9	337.2	333.3
27.5°	555.6	546.9	525.6	493.8	450.3	422.9	402.4	400.7	401.1	403.3	396.8
30°	674.8	670.4	643.5	590.4	534.3	497.7	475.5	472.5	477.7	478.1	468.1
32.5°	815.3	806.6	765.3	706.1	629.5	583.0	557.8	556.9	562.5	563.8	556.0
35°	957.6	953.2	912.3	827.5	743.5	673.1	647.4	649.1	653.0	660.9	651.7
37.5°	1121.6	1109.9	1057.2	967.6	861.4	777.0	749.6	755.7	761.8	761.8	749.2
40°	1276.5	1272.1	1216.9	1104.2	977.2	898.9	868.8	872.3	871.9	872.3	855.8
42.5°	1420.1	1405.3	1356.5	1236.9	1105.9	1026.3	990.2	995.9	1001.1	1005.0	963.2
45°	1517.1	1504.5	1461.4	1343.5	1227.8	1152.5	1129.0	1129.0	1135.1	1133.4	1092.0
47.5°	1551.5	1549.7	1517.5	1427.9	1321.7	1263.4	1264.7	1269.5	1278.7	1270.4	1211.2
50°	1535.4	1528.4	1522.7	1472.7	1399.6	1371.8	1397.9	1422.2	1423.1	1408.3	1333.1
52.5°	1434.4	1435.3	1464.0	1454.9	1421.4	1449.7	1529.3	1572.3	1568.4	1554.1	1463.6
55°	1280.8	1287.8	1337.8	1376.1	1396.6	1474.9	1626.7	1715.9	1707.2	1687.2	1595.4
57.5°	1076.4	1099.0	1166.0	1249.5	1322.6	1451.4	1679.8	1840.3	1831.2	1831.2	1726.8
60°	858.8	877.1	975.9	1077.7	1193.0	1372.2	1685.0	1931.7	1953.9	1940.0	1819.9
62.5°	666.1	673.9	776.2	904.5	1028.1	1239.1	1625.0	1975.2	2033.9	2022.2	1903.4
65°	490.3	512.5	595.2	712.6	840.6	1082.0	1496.6	1949.5	2064.4	2058.3	1949.5
67.5°	364.6	374.6	443.8	552.5	679.1	886.7	1309.6	1837.3	2027.9	2033.1	1942.6
70°	273.2	275.8	329.8	419.4	527.3	699.6	1091.6	1658.0	1906.5	1930.0	1880.4
72.5°	206.7	211.4	256.3	326.7	406.8	538.6	862.7	1414.4	1699.4	1757.7	1739.0
75°	161.8	167.5	198.4	252.8	314.6	407.7	653.0	1126.4	1439.6	1514.9	1535.8
77.5°	127.9	134.0	160.1	201.9	245.4	314.6	479.9	842.7	1149.9	1225.2	1286.1
80°	100.5	104.9	127.9	158.8	193.2	232.3	336.3	612.6	844.5	938.4	994.1
82.5°	76.6	81.4	99.2	125.3	151.4	177.5	240.2	416.8	612.6	655.2	750.1
85°	55.7	60.0	74.8	96.2	116.6	137.5	175.8	278.0	390.3	441.2	489.0
87.5°	40.9	42.6	55.7	71.4	89.6	104.0	126.6	177.5	248.0	273.2	313.2
90°	28.7	30.5	40.9	52.6	67.9	81.4	93.1	117.5	154.4	177.1	184.5
92.5°	21.3	22.6	30.5	39.6	52.2	63.1	70.5	83.1	100.5	110.1	116.2
95°	16.1	17.4	23.9	31.3	40.5	49.6	55.3	60.0	70.0	72.7	77.9
97.5°	13.1	13.9	19.6	25.7	32.6	40.9	43.9	46.6	50.0	52.6	54.8
100°	11.3	11.7	16.5	21.8	27.8	33.1	35.7	37.0	39.2	40.0	40.9
102.5°	10.0	10.0	14.4	18.7	23.9	27.8	30.0	30.0	30.5	30.9	30.5
105°	8.7	9.1	12.6	16.5	20.4	23.9	25.7	24.8	24.4	23.9	22.6
107.5°	8.3	8.3	11.3	14.8	18.3	20.9	22.2	20.4	19.6	18.7	17.4
110°	7.4	7.8	10.0	13.1	16.1	18.3	19.1	17.4	15.7	14.8	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.0	7.4	9.1	11.7	14.4	16.5	16.5	14.8	12.6	11.7	10.9
115°	7.0	7.0	8.3	10.4	13.1	14.8	14.8	12.6	10.4	9.6	9.1
117.5°	7.0	7.0	7.8	9.6	11.7	13.1	13.1	10.9	8.7	7.8	7.8
120°	6.5	6.5	7.4	8.7	10.9	11.7	11.3	9.6	7.4	7.0	7.0
122.5°	6.5	6.5	7.0	8.3	10.0	10.9	10.4	8.3	6.5	5.7	6.1
125°	7.0	6.5	7.0	7.8	9.1	9.6	9.1	7.0	5.7	5.2	5.7
127.5°	7.0	7.0	6.5	7.4	8.3	8.7	8.3	6.1	4.8	4.8	5.2
130°	7.0	7.0	6.5	7.0	7.4	7.8	7.0	5.2	4.4	4.4	4.8
132.5°	7.0	7.0	6.5	6.5	7.0	7.0	6.1	4.4	3.9	3.9	4.4
135°	7.0	7.0	6.1	6.1	6.1	6.1	5.2	3.9	3.5	3.5	3.9
137.5°	6.5	6.5	6.1	5.7	5.7	5.2	4.4	3.0	2.6	3.0	3.5
140°	6.1	6.1	5.7	4.8	4.8	4.4	3.5	2.6	2.2	2.6	2.6
142.5°	5.7	5.7	5.2	4.4	3.9	3.5	3.0	1.7	1.7	1.7	2.2
145°	5.2	5.2	4.8	3.5	3.0	2.6	2.2	1.3	1.3	1.3	1.7
147.5°	4.4	4.4	3.9	3.0	2.2	2.2	1.3	0.9	1.3	1.3	1.3
150°	3.5	3.5	3.0	2.2	1.7	1.3	0.4	0.9	0.9	0.9	1.3
152.5°	3.0	3.0	2.2	1.7	0.9	0.4	0.4	0.4	0.9	0.9	0.9
155°	2.2	2.2	1.7	0.9	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	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°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	78.7	78.7	78.3	77.9	77.4	77.0	76.1	75.7	75.7	75.3	75.3
5°	84.8	84.4	83.1	81.8	80.1	79.2	77.9	77.0	76.6	76.1	76.1
7.5°	94.4	93.5	90.9	88.8	86.6	84.8	82.7	81.4	80.9	79.6	80.1
10°	107.9	106.6	103.5	99.6	95.7	93.1	90.1	88.3	87.4	86.6	85.7
12.5°	127.5	124.9	119.6	114.4	108.8	103.5	100.5	99.2	100.1	99.6	100.1
15°	154.4	149.7	141.8	134.0	124.0	117.5	116.6	116.2	116.2	116.6	117.5
17.5°	184.9	179.7	169.7	155.3	143.6	137.0	133.1	132.7	134.9	135.3	134.9
20°	224.9	219.7	204.0	184.5	167.5	157.1	151.8	151.8	154.9	155.8	157.5
22.5°	268.0	265.0	243.6	216.7	194.0	177.1	169.7	170.5	174.9	176.2	177.1
25°	328.0	315.9	289.8	252.8	220.1	197.5	187.5	187.9	192.7	196.2	197.5
27.5°	394.2	380.3	342.0	293.7	246.2	214.5	203.2	203.6	209.3	213.6	214.5
30°	465.1	451.2	401.1	334.1	270.6	229.7	214.5	214.9	221.5	226.2	227.1
32.5°	540.8	529.5	459.4	377.6	291.9	240.2	221.9	222.3	228.0	232.3	233.2
35°	636.5	610.8	528.6	416.4	309.8	246.7	225.4	224.9	230.6	234.9	235.8
37.5°	730.9	703.5	594.3	452.5	320.2	248.4	224.5	224.5	228.8	232.3	232.8
40°	833.6	787.9	663.5	480.8	324.1	245.8	221.9	221.5	224.9	226.7	227.1
42.5°	944.1	888.0	731.4	503.4	322.4	240.2	217.1	217.5	218.8	218.8	218.4
45°	1043.7	986.7	789.7	518.2	316.3	232.8	211.4	211.9	212.3	208.8	208.8
47.5°	1160.8	1091.6	844.5	521.6	304.1	225.4	207.1	208.0	205.8	201.0	200.1
50°	1271.7	1194.7	899.7	520.3	291.5	217.5	202.7	203.6	199.7	193.2	191.9
52.5°	1395.3	1296.5	951.9	513.8	276.3	210.6	199.7	200.6	196.2	188.4	187.1
55°	1517.1	1404.4	999.8	502.5	263.2	203.2	196.7	198.8	193.2	185.3	184.9
57.5°	1633.3	1511.4	1039.4	486.0	249.3	198.0	194.5	197.1	191.9	184.0	183.6
60°	1736.8	1602.4	1071.1	469.9	234.1	192.7	192.3	195.8	191.0	184.5	184.0
62.5°	1809.5	1684.2	1085.5	448.1	221.9	187.1	189.7	193.2	189.7	184.5	184.5
65°	1867.3	1720.7	1079.8	419.4	208.8	181.0	186.2	189.7	187.5	184.0	184.5
67.5°	1856.4	1719.8	1042.9	385.0	196.7	174.5	180.1	184.9	183.2	181.9	181.4
70°	1789.4	1638.5	971.9	347.6	184.0	166.2	172.7	177.5	177.1	176.6	176.6
72.5°	1651.5	1497.5	865.8	304.5	171.0	157.5	163.2	167.5	168.4	167.9	166.6
75°	1471.4	1303.5	742.7	264.1	157.5	147.1	153.1	155.8	157.1	156.2	156.2
77.5°	1207.3	1086.8	590.4	223.2	143.1	135.3	139.7	141.8	143.6	141.4	140.1
80°	959.3	826.6	454.2	182.3	127.5	122.3	124.4	125.3	127.0	124.9	122.3
82.5°	673.5	589.1	329.3	148.8	111.8	107.5	108.8	108.3	109.2	106.2	102.7
85°	449.9	395.9	226.7	119.6	95.7	91.8	91.8	90.5	89.6	86.6	84.0
87.5°	282.4	250.6	155.8	94.4	80.5	77.4	75.7	73.1	72.2	70.0	67.0
90°	174.0	160.1	108.8	75.7	67.0	64.4	62.6	58.7	58.3	54.8	52.6
92.5°	114.0	104.4	80.5	61.3	56.1	53.5	51.3	47.9	47.4	44.8	43.5
95°	75.3	73.1	61.3	51.3	47.4	45.2	43.1	40.0	39.2	36.5	34.8
97.5°	55.3	55.3	50.5	43.5	40.5	38.3	37.0	34.4	32.6	30.0	29.1
100°	41.8	42.2	40.5	37.4	34.8	32.6	31.3	29.1	27.8	25.2	24.8
102.5°	32.2	33.1	33.5	31.8	30.0	28.3	27.0	25.2	23.5	20.9	20.4
105°	24.8	25.7	27.4	27.0	26.1	24.8	23.5	21.8	19.6	17.4	17.4
107.5°	19.1	20.0	22.6	23.1	22.6	21.3	20.4	18.7	17.0	14.8	14.8
110°	14.8	16.1	18.7	19.6	19.6	18.7	17.8	16.1	13.9	12.6	12.6



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CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.2	13.5	15.7	17.0	17.0	16.5	15.2	13.5	11.7	10.9	10.9
115°	10.0	11.3	13.5	14.8	14.8	14.4	13.5	11.7	10.0	9.6	9.6
117.5°	8.7	9.6	11.3	12.6	13.1	12.6	11.7	10.0	8.7	8.7	8.7
120°	7.8	8.7	10.0	10.9	11.3	10.9	10.0	8.7	7.4	7.8	7.8
122.5°	7.0	7.4	8.7	10.0	10.0	10.0	9.1	7.4	6.5	7.0	7.0
125°	6.1	7.0	7.8	8.7	9.1	8.7	7.8	6.5	5.7	6.1	6.5
127.5°	5.7	6.1	7.0	7.8	7.8	7.8	7.0	5.7	5.2	5.7	5.7
130°	5.2	5.7	6.1	7.0	7.0	7.0	6.1	4.8	4.8	5.2	5.2
132.5°	4.8	5.2	5.7	6.1	6.1	6.1	5.2	4.4	3.9	4.8	4.8
135°	4.4	4.4	4.8	5.2	5.2	5.2	4.4	3.5	3.5	4.4	4.4
137.5°	3.5	3.9	4.4	4.4	4.4	4.4	3.5	3.0	3.0	3.5	3.5
140°	3.0	3.0	3.5	3.5	3.5	3.5	3.0	2.2	2.6	3.0	3.0
142.5°	2.6	2.6	3.0	3.0	3.0	2.6	2.2	1.7	2.2	2.6	2.6
145°	1.7	2.2	2.2	2.2	2.2	1.7	1.3	1.3	1.7	2.2	2.2
147.5°	1.7	1.7	1.7	1.7	1.7	1.3	0.9	0.9	1.3	1.7	1.7
150°	1.3	1.3	1.7	1.7	1.3	0.9	0.4	0.4	0.9	1.3	1.3
152.5°	0.9	0.9	1.3	1.3	0.9	0.4	0.0	0.0	0.4	0.4	0.4
155°	0.9	0.9	0.9	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.4	0.4	0.4	0.4	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)