

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: P414757

Luminaire Tested: **LXF.LXT-PA1-30-750-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3640 lumens
Efficiency: N/A
Efficacy: 117.4 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 - G3

Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

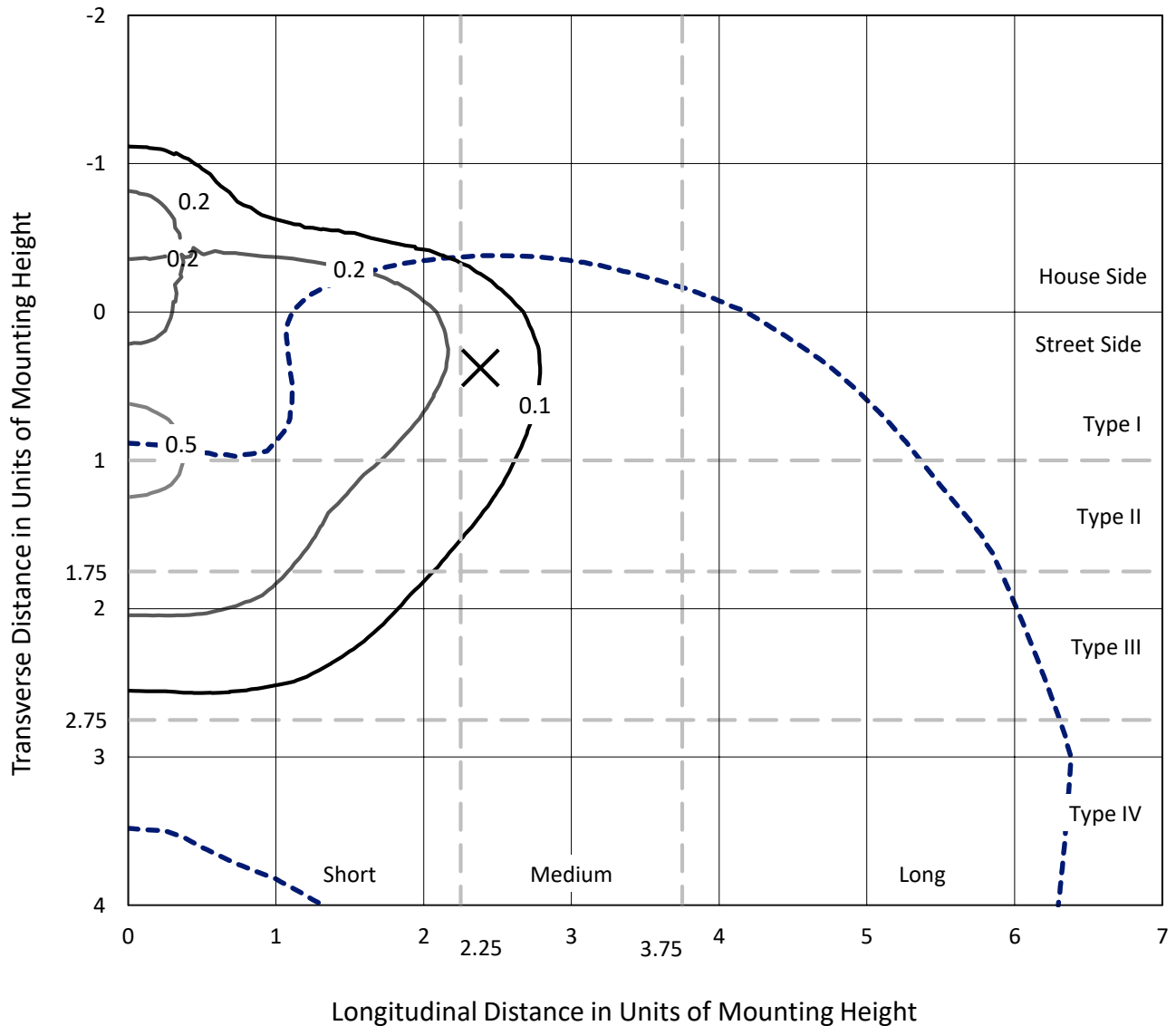


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

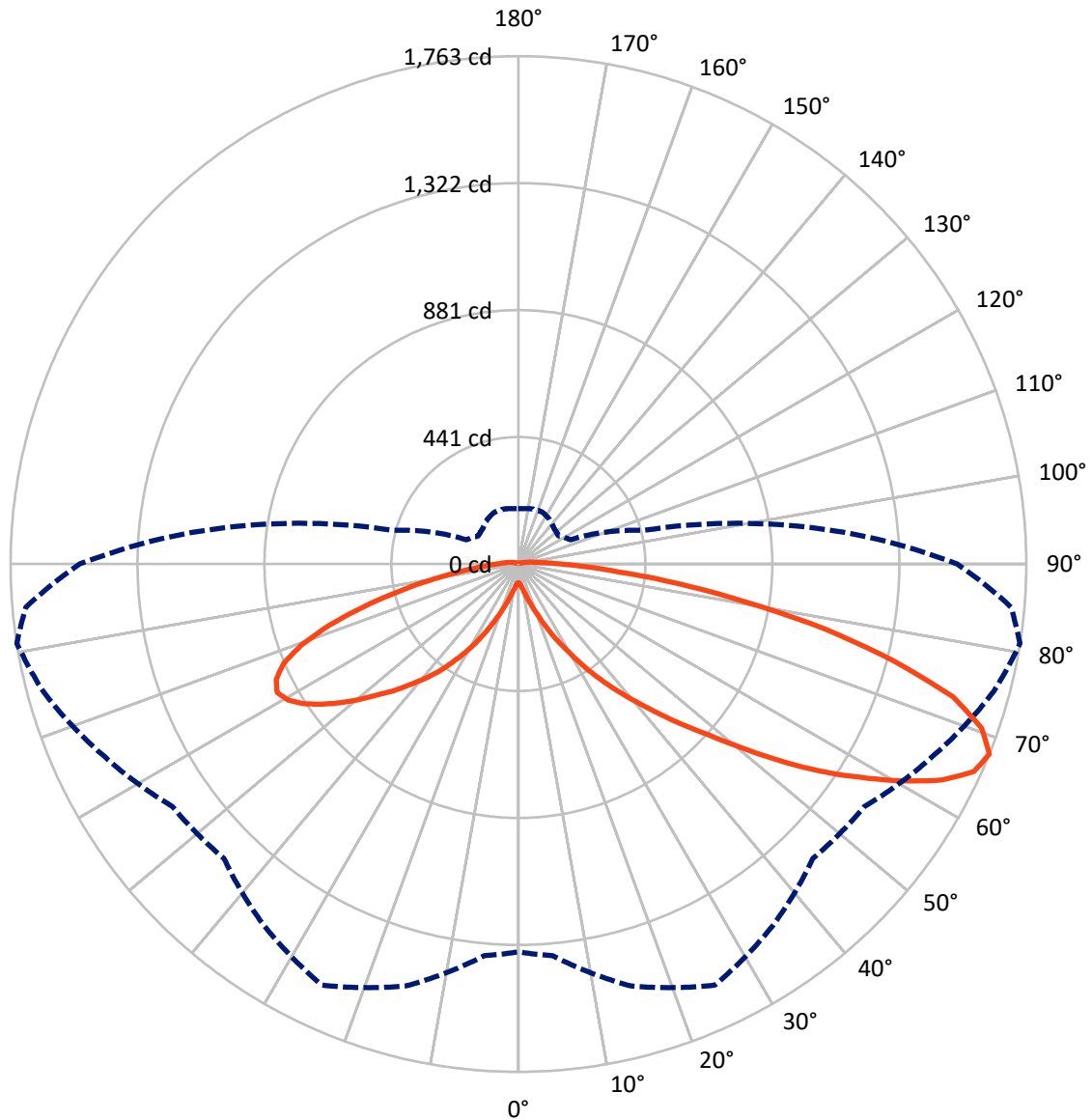


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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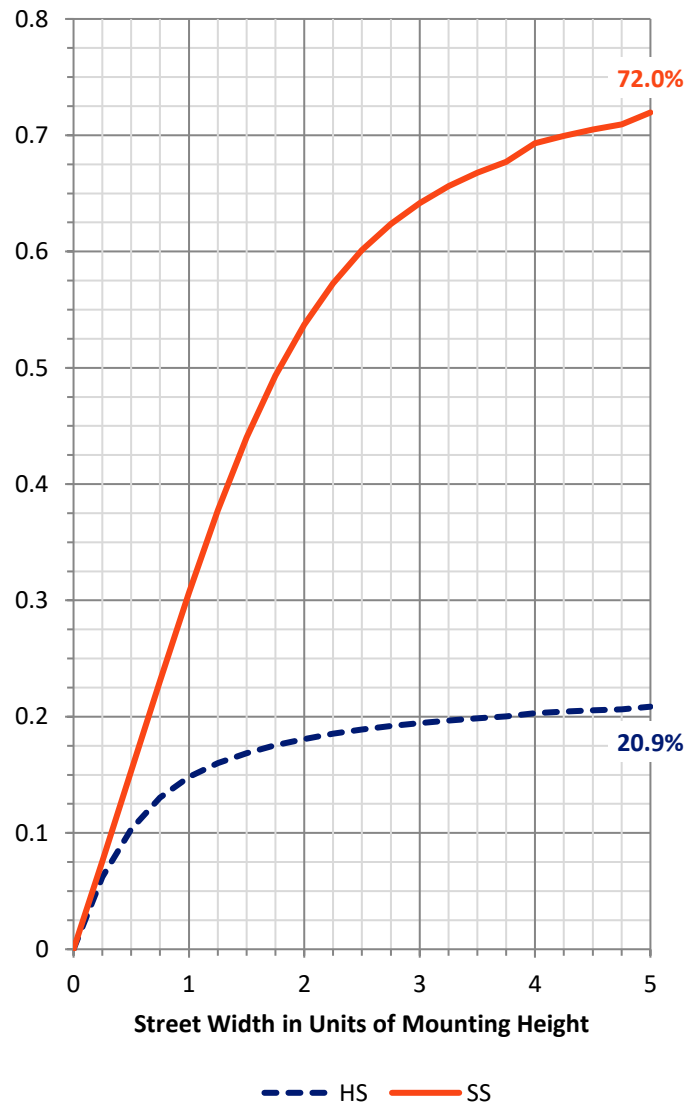
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	796.8	56.7	853.5
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	2715.3	71.3	2786.6
	% Fixture	74.6	2.0	76.6
Total	Lumens	3512.1	127.9	3640.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.2
10°-20°	37.6	1.0
20°-30°	112.1	3.1
30°-40°	243.3	6.7
40°-50°	426.7	11.7
50°-60°	676.2	18.6
60°-70°	912.5	25.1
70°-80°	782.9	21.5
80°-90°	313.2	8.6
90°-100°	76.2	2.1
100°-110°	26.8	0.7
110°-120°	12.3	0.3
120°-130°	6.6	0.2
130°-140°	3.7	0.1
140°-150°	1.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3512.1	96.5
0°-180°	3640.0	100.0



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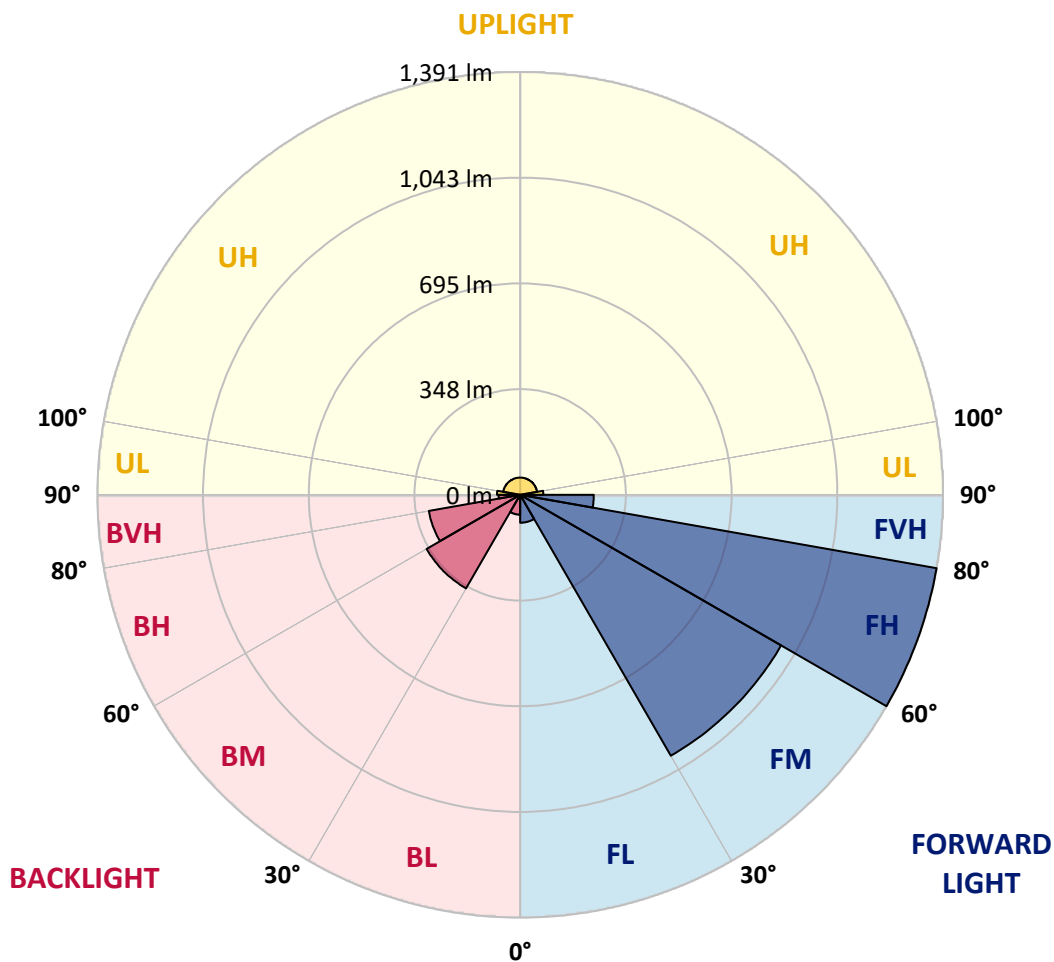
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.8	2.5			
FM (30°-60°)	990.8	27.2			
FH (60°-80°)	1390.6	38.2			G1/1800
FVH (80°-90°)	242.1	6.7			G3/500
BL (0°-30°)	65.4	1.8	B0/110		
BM (30°-60°)	355.5	9.8	B1/1000		
BH (60°-80°)	304.9	8.4	B1/500		G1/500
BVH (80°-90°)	71.1	2.0			G1/100
UL (90°-100°)	76.2	2.1		U3/500	
UH (100°-180°)	56.7	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	71.4	71.0	71.0	71.4	71.4	71.4	70.2	68.9	67.6	67.2	66.8
5°	81.2	80.3	80.3	80.3	79.9	78.6	76.9	75.2	73.6	72.7	71.9
7.5°	93.9	93.4	93.0	91.7	91.3	89.2	86.7	84.1	81.6	80.7	79.9
10°	111.2	110.8	108.6	108.2	106.1	104.0	100.2	96.4	93.0	91.7	90.5
12.5°	133.2	133.2	130.2	126.8	124.3	120.1	116.7	112.0	109.5	107.8	106.1
15°	161.9	160.2	156.4	152.6	145.8	140.8	135.7	133.2	131.5	129.4	126.8
17.5°	193.6	191.5	188.1	180.5	171.6	164.5	159.8	157.3	156.4	155.1	152.2
20°	231.7	229.1	224.5	212.6	202.9	193.2	187.7	186.4	187.3	185.2	182.2
22.5°	276.9	275.2	265.5	250.7	237.2	223.6	218.6	219.4	221.1	224.1	222.4
25°	328.5	324.3	315.0	293.8	271.4	258.3	253.2	257.0	264.6	268.9	265.5
27.5°	388.5	386.0	367.4	339.9	310.7	293.0	289.2	300.2	313.3	316.6	316.6
30°	451.9	453.6	426.6	394.0	357.2	332.7	328.1	343.7	366.1	368.2	373.7
32.5°	532.2	529.3	501.0	447.7	404.2	372.4	369.5	391.5	419.8	430.8	430.8
35°	616.4	613.4	578.7	515.8	455.3	414.3	416.4	439.7	478.1	492.1	494.2
37.5°	713.2	703.5	665.8	587.6	511.1	462.9	459.1	494.2	539.4	559.3	559.3
40°	819.7	814.2	761.8	669.2	568.2	513.2	510.3	550.8	605.8	627.8	632.0
42.5°	923.3	916.1	867.5	748.3	634.1	566.5	566.9	611.3	674.3	704.7	710.2
45°	1032.8	1026.0	972.8	845.5	705.6	632.4	627.4	682.7	758.0	791.8	798.2
47.5°	1130.0	1125.4	1079.3	942.3	794.4	703.0	696.3	760.1	847.2	884.8	903.8
50°	1235.7	1229.8	1186.7	1045.5	882.7	778.3	777.9	846.3	955.4	1001.1	1016.7
52.5°	1321.5	1314.8	1284.7	1149.0	970.2	866.2	859.0	943.2	1067.4	1133.0	1140.6
55°	1400.6	1398.0	1387.9	1260.2	1076.7	952.5	957.1	1056.9	1195.1	1269.1	1280.5
57.5°	1457.6	1461.0	1465.7	1371.8	1181.2	1048.8	1057.3	1171.0	1327.9	1396.8	1412.4
60°	1496.5	1508.4	1539.2	1469.1	1287.7	1154.1	1168.5	1283.9	1455.5	1529.1	1541.8
62.5°	1499.5	1512.2	1584.1	1560.0	1390.0	1261.9	1278.4	1400.2	1569.7	1651.3	1652.5
65°	1443.3	1460.6	1575.6	1609.0	1480.1	1365.1	1379.9	1503.7	1665.2	1737.5	1711.3
67.5°	1346.5	1364.6	1516.8	1613.2	1535.9	1445.4	1466.5	1584.1	1708.3	1762.9	1716.4
70°	1206.1	1223.9	1384.1	1549.4	1546.0	1492.7	1520.6	1617.0	1700.3	1705.8	1640.3
72.5°	1021.8	1020.1	1193.0	1409.9	1489.8	1488.9	1533.3	1592.1	1608.6	1577.7	1480.5
75°	782.5	804.5	962.2	1208.2	1361.7	1421.7	1466.5	1488.9	1441.6	1346.0	1240.8
77.5°	560.6	578.7	722.1	952.5	1171.4	1282.2	1331.7	1321.1	1203.6	1091.5	970.6
80°	371.2	381.7	501.4	711.1	944.4	1072.9	1132.6	1092.0	942.7	799.4	695.0
82.5°	222.8	240.1	315.4	499.7	700.5	848.0	884.4	816.8	673.0	556.3	479.8
85°	134.9	138.7	196.2	319.6	489.1	610.0	644.7	572.0	442.6	347.5	288.3
87.5°	75.7	82.4	121.3	208.0	328.9	423.6	435.9	376.7	277.7	215.6	180.5
90°	44.4	49.0	74.4	128.9	209.7	273.9	277.3	227.9	164.5	129.8	115.4
92.5°	28.3	31.7	49.5	82.9	134.9	178.0	173.3	140.8	105.3	86.7	74.8
95°	20.3	22.0	34.7	57.1	90.5	112.0	110.3	88.4	70.6	60.5	55.0
97.5°	15.2	16.9	27.1	41.9	60.9	75.2	73.6	58.8	49.0	44.4	42.3
100°	12.7	13.5	22.0	33.0	45.2	54.1	53.3	43.5	36.8	33.4	32.6
102.5°	11.0	11.8	18.2	26.6	35.9	41.9	40.2	33.8	27.9	24.9	24.1
105°	9.7	10.1	15.6	22.8	29.6	33.0	32.6	27.1	21.6	18.6	18.2
107.5°	8.9	9.3	13.5	19.4	24.9	27.9	27.1	22.0	16.5	14.4	14.0
110°	8.0	8.5	11.8	16.9	21.1	23.7	22.4	18.2	13.1	11.0	11.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	7.6	7.6	10.6	14.4	18.2	20.3	19.0	14.8	10.1	8.9	9.3
115°	7.2	7.2	9.3	12.7	16.1	17.8	16.1	12.3	8.5	7.6	7.6
117.5°	6.8	6.8	8.5	11.4	14.4	15.6	14.0	10.6	7.2	6.3	6.8
120°	6.3	6.8	8.0	10.1	12.7	13.5	12.3	8.9	5.9	5.9	6.3
122.5°	6.3	6.3	7.6	9.3	11.4	11.8	10.6	7.6	5.5	5.5	5.5
125°	6.3	6.3	7.2	8.5	10.1	10.6	8.9	6.3	5.1	5.1	5.1
127.5°	6.3	6.3	6.8	8.0	8.9	9.3	8.0	5.9	4.7	4.7	5.1
130°	5.9	6.3	6.3	7.2	8.0	8.0	6.8	5.1	4.2	4.2	4.7
132.5°	5.9	5.9	6.3	6.8	7.2	7.2	5.9	4.7	3.8	4.2	4.2
135°	5.9	5.9	5.9	6.3	6.8	6.3	5.1	3.8	3.4	3.8	3.8
137.5°	5.5	5.5	5.5	5.9	5.9	5.5	4.7	3.4	3.4	3.4	3.4
140°	5.1	5.1	5.1	5.1	5.5	5.1	3.8	3.0	3.0	3.0	3.0
142.5°	4.7	4.7	4.7	4.7	4.7	4.2	3.4	2.5	2.5	2.5	2.5
145°	4.2	4.2	4.2	4.2	3.8	3.4	2.5	2.1	2.1	2.5	2.5
147.5°	3.4	3.4	3.4	3.4	3.4	3.0	2.1	1.7	2.1	2.1	2.1
150°	3.0	3.0	3.0	3.0	2.5	2.5	1.7	1.7	1.7	2.1	2.1
152.5°	2.1	2.1	2.1	2.5	2.1	1.7	1.3	1.3	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.7	1.3	0.8	1.3	1.7	1.7	1.7
157.5°	0.8	1.3	1.3	1.3	1.3	1.3	0.8	1.3	1.3	1.3	1.3
160°	0.4	0.4	0.8	0.8	1.3	1.3	0.8	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
2.5°	66.8	66.4	65.9	65.5	65.1	65.1	64.7	64.3	63.8	63.4	63.4
5°	71.4	70.6	69.3	68.5	67.6	67.6	66.8	66.4	65.5	65.1	65.1
7.5°	78.6	78.2	75.7	74.4	73.1	72.7	71.9	71.0	70.2	70.2	70.2
10°	89.2	87.9	85.8	82.4	81.2	80.3	79.1	78.2	78.2	78.6	78.6
12.5°	105.3	101.9	98.9	94.3	91.7	90.0	89.2	89.6	91.7	92.6	91.7
15°	123.9	123.0	115.8	109.1	104.0	100.6	102.7	105.3	108.2	109.1	110.3
17.5°	149.7	146.7	137.0	127.2	117.9	116.3	118.8	123.0	126.4	128.9	131.1
20°	180.5	175.4	163.6	146.7	136.1	133.6	135.3	141.2	147.5	152.6	153.0
22.5°	219.4	211.8	190.7	169.5	153.9	149.7	151.8	161.1	170.4	176.7	176.3
25°	261.7	252.4	224.1	193.6	172.1	164.5	168.3	180.5	193.6	201.2	202.1
27.5°	309.0	299.7	260.4	216.9	188.5	177.1	183.5	197.4	215.2	224.5	226.2
30°	364.8	352.2	296.8	241.8	203.8	189.0	194.9	213.1	232.5	245.6	247.3
32.5°	422.8	402.9	333.1	262.1	214.3	196.6	203.3	224.5	246.9	261.3	263.8
35°	482.8	458.3	369.9	279.4	221.9	201.2	208.0	231.7	255.3	271.0	273.1
37.5°	550.4	517.9	403.3	292.5	226.2	202.5	209.3	232.9	257.0	272.3	274.4
40°	618.5	574.9	431.2	300.6	226.6	201.2	206.7	229.6	252.4	265.5	267.6
42.5°	691.6	635.0	459.1	302.7	224.5	197.8	202.5	222.8	242.2	252.4	253.7
45°	773.6	704.3	482.8	301.0	218.6	192.8	196.2	213.5	228.7	233.4	235.5
47.5°	860.3	772.8	501.0	295.9	212.6	187.3	189.4	203.8	213.5	213.9	214.3
50°	966.0	856.1	523.4	288.7	204.6	182.2	183.5	194.9	199.5	197.4	196.6
52.5°	1081.8	945.3	537.7	277.3	197.4	177.6	178.8	187.7	189.4	184.7	185.2
55°	1207.8	1028.6	550.0	266.3	189.8	174.6	177.1	184.3	184.3	178.4	178.0
57.5°	1325.3	1113.5	555.5	252.4	183.5	172.5	176.7	183.9	183.1	177.6	177.1
60°	1439.0	1182.9	548.7	238.9	179.2	171.6	179.2	186.9	186.0	181.4	180.9
62.5°	1517.7	1226.4	531.8	225.3	175.4	172.9	182.2	191.1	191.1	186.0	186.0
65°	1551.5	1221.3	497.2	211.8	172.5	173.8	186.4	195.7	194.9	190.7	189.8
67.5°	1523.2	1175.2	450.7	198.7	169.9	174.6	188.5	198.3	197.4	192.8	191.9
70°	1432.3	1078.4	394.4	186.9	166.6	173.3	189.4	197.8	196.6	192.4	190.7
72.5°	1251.3	927.9	335.7	175.4	161.5	170.4	186.9	194.5	193.2	189.8	187.7
75°	1030.7	748.3	277.3	162.8	155.1	164.9	181.4	188.1	186.4	183.5	181.4
77.5°	788.0	565.2	229.1	150.9	147.5	157.7	173.8	178.8	177.1	174.6	173.3
80°	557.6	402.5	184.3	137.8	136.5	146.7	160.2	165.7	164.9	162.3	160.2
82.5°	366.9	267.6	147.1	123.0	123.9	134.4	144.6	147.5	147.1	145.0	142.5
85°	226.2	176.3	115.8	106.1	109.9	118.4	126.8	127.2	126.0	125.6	121.8
87.5°	144.2	120.5	90.9	90.0	95.5	102.7	106.5	104.8	105.7	105.7	102.7
90°	93.9	84.6	72.7	75.2	81.2	86.7	88.4	83.7	86.2	85.0	83.7
92.5°	68.1	63.0	59.2	62.6	68.5	73.6	72.7	67.6	68.9	68.9	68.5
95°	51.6	49.0	49.5	52.8	57.5	60.9	59.2	55.0	55.4	54.5	53.3
97.5°	40.6	40.2	41.9	44.4	48.6	50.7	49.0	45.2	44.8	43.5	43.1
100°	32.1	32.6	35.1	38.0	40.6	42.3	41.0	37.2	35.5	33.4	33.0
102.5°	24.9	25.8	29.2	31.7	34.2	35.5	34.2	31.3	28.3	26.2	25.8
105°	19.4	20.3	24.1	26.6	28.7	29.6	28.7	25.4	22.4	19.9	19.9
107.5°	15.2	16.1	19.9	22.8	24.1	24.9	23.7	21.1	17.8	15.6	15.6
110°	12.3	13.1	16.5	19.0	20.3	21.1	19.9	16.9	14.4	12.7	12.7



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	11.0	13.5	16.1	17.3	17.8	16.5	14.4	11.4	10.6	10.6
115°	8.5	9.3	11.4	13.5	14.8	14.8	14.0	11.8	9.3	8.9	8.9
117.5°	7.2	8.0	9.7	11.8	12.7	12.7	11.8	9.7	8.0	7.6	7.6
120°	6.8	7.2	8.5	10.1	11.0	11.0	10.1	8.5	6.8	6.8	6.8
122.5°	5.9	6.3	7.6	8.9	9.7	9.7	8.9	7.2	5.9	6.3	6.3
125°	5.5	5.9	6.8	7.6	8.5	8.5	7.6	6.3	5.5	5.5	5.5
127.5°	5.1	5.5	5.9	6.8	7.2	7.2	6.8	5.5	5.1	5.1	5.1
130°	4.7	5.1	5.5	5.9	6.3	6.3	5.5	4.7	4.7	4.7	4.7
132.5°	4.7	4.7	4.7	5.1	5.5	5.5	5.1	4.2	4.2	4.2	4.2
135°	4.2	4.2	4.2	4.2	4.7	4.7	4.2	3.8	3.8	3.8	3.8
137.5°	3.8	3.8	3.8	3.8	4.2	4.2	3.8	3.4	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.0	3.4	3.4	3.0	3.0	3.0	3.0	3.0
142.5°	2.5	3.0	2.5	2.5	2.5	2.5	2.5	2.1	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.1	2.1	2.1	2.1	1.7	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	1.7	1.3	1.7	1.3	1.7	1.7	1.7	1.7
150°	2.1	2.1	1.7	1.7	1.3	0.8	0.8	1.3	1.3	1.3	1.3
152.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.4	0.8	0.8	0.8	0.8
155°	1.7	1.7	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	1.3	1.3	1.3	0.8	0.8	0.4	0.0	0.4	0.0	0.0	0.0
160°	1.3	1.3	1.3	0.8	0.4	0.4	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)