

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: P414721

Luminaire Tested: **LXF.LXT-PA1-30-750-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596 lumens
Efficiency: N/A
Efficacy: 116.0 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 - G2

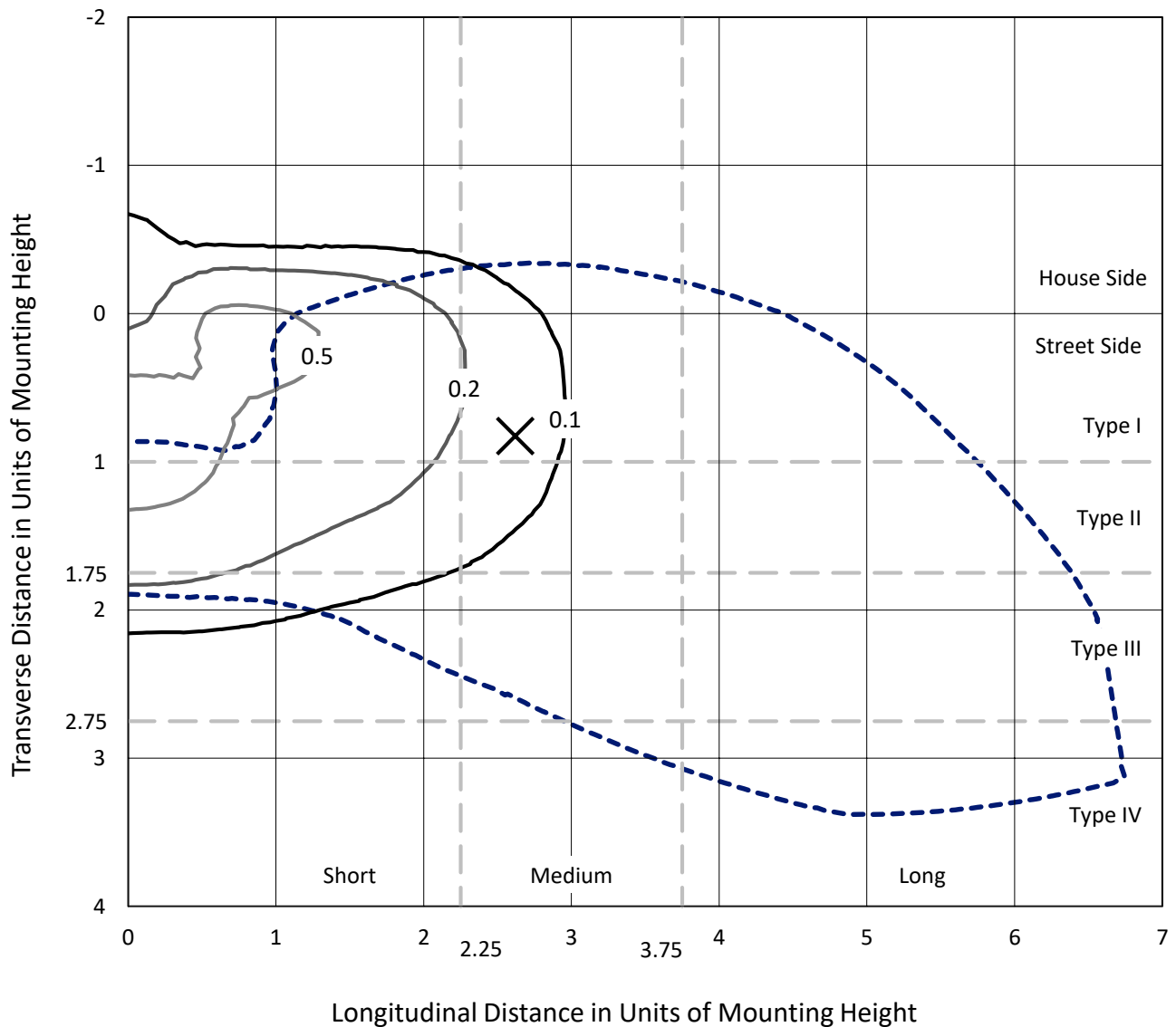
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

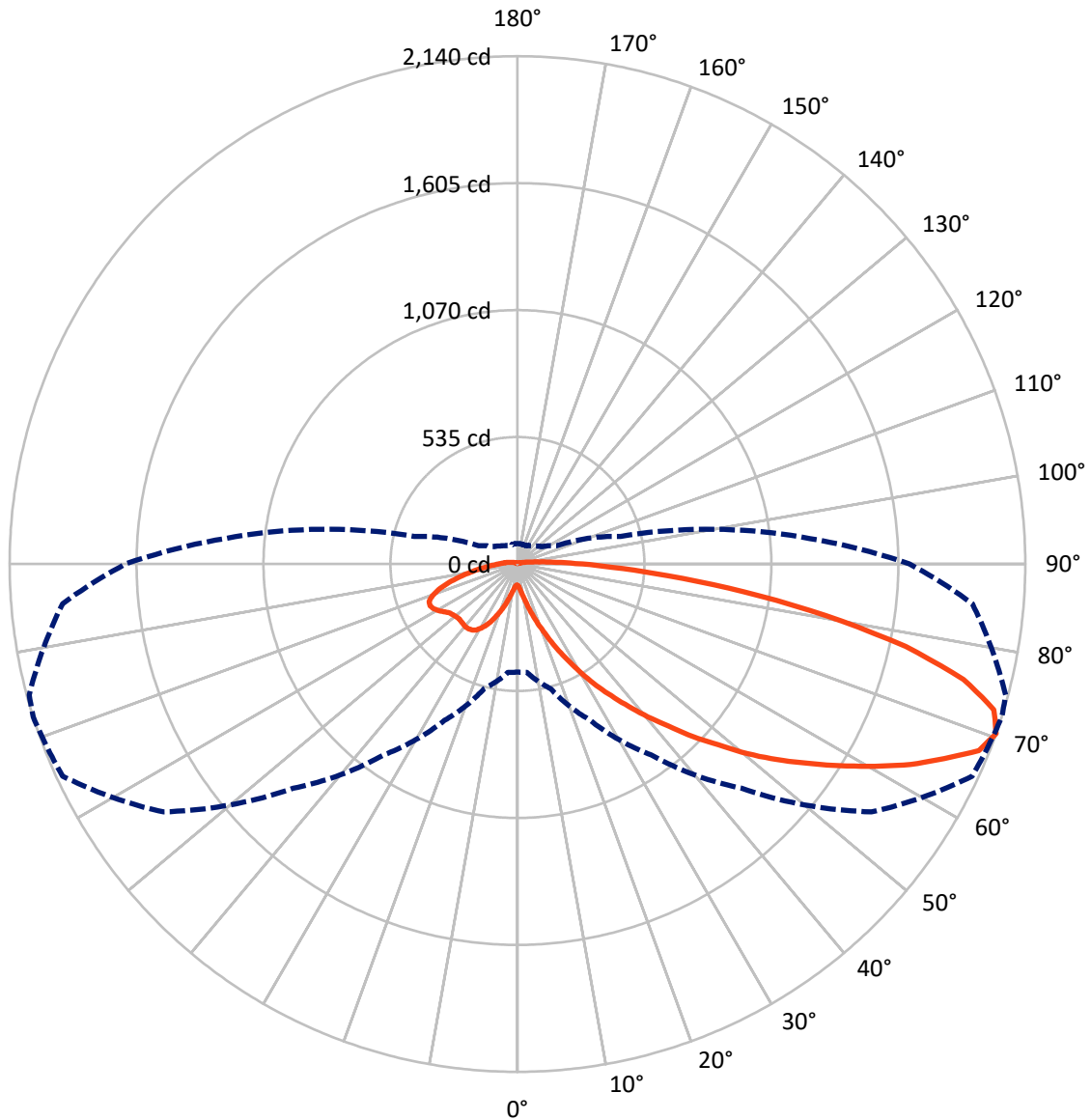
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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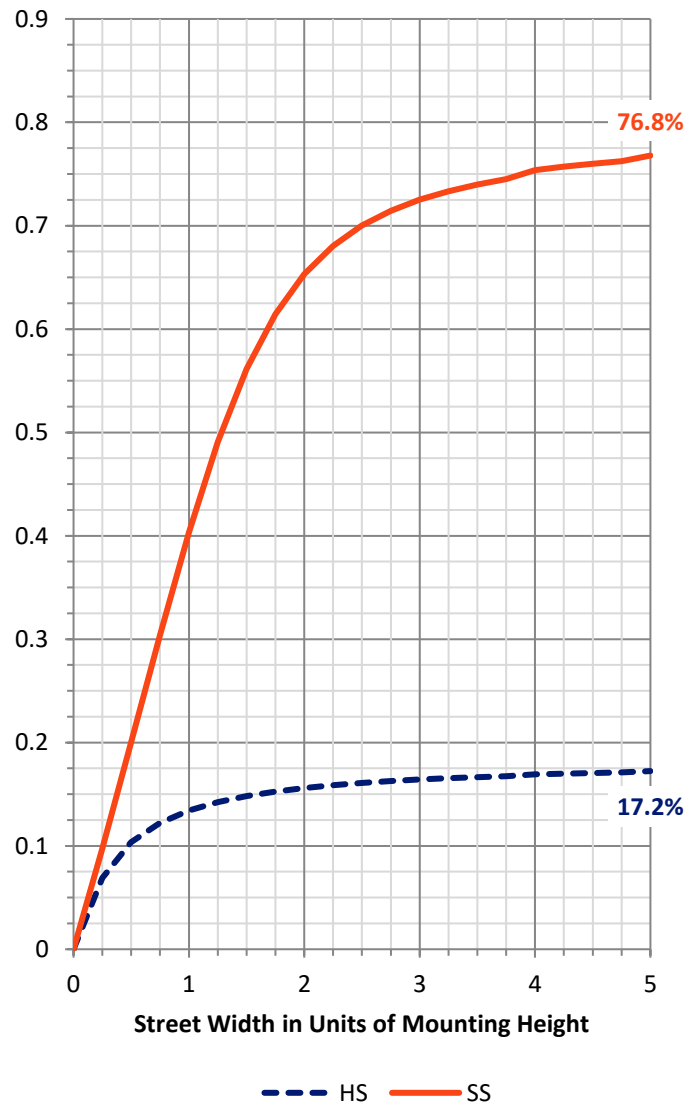
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	646.5	58.6	705.1
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	2823.2	67.7	2890.9
	% Fixture	78.5	1.9	80.4
Total	Lumens	3469.6	126.3	3596.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	48.7	1.4
20°-30°	135.9	3.8
30°-40°	281.6	7.8
40°-50°	486.5	13.5
50°-60°	718.4	20.0
60°-70°	848.0	23.6
70°-80°	673.0	18.7
80°-90°	267.5	7.4
90°-100°	70.7	2.0
100°-110°	27.3	0.8
110°-120°	13.3	0.4
120°-130°	7.5	0.2
130°-140°	4.4	0.1
140°-150°	2.1	0.1
150°-160°	0.7	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3469.6	96.5
0°-180°	3596.0	100.0



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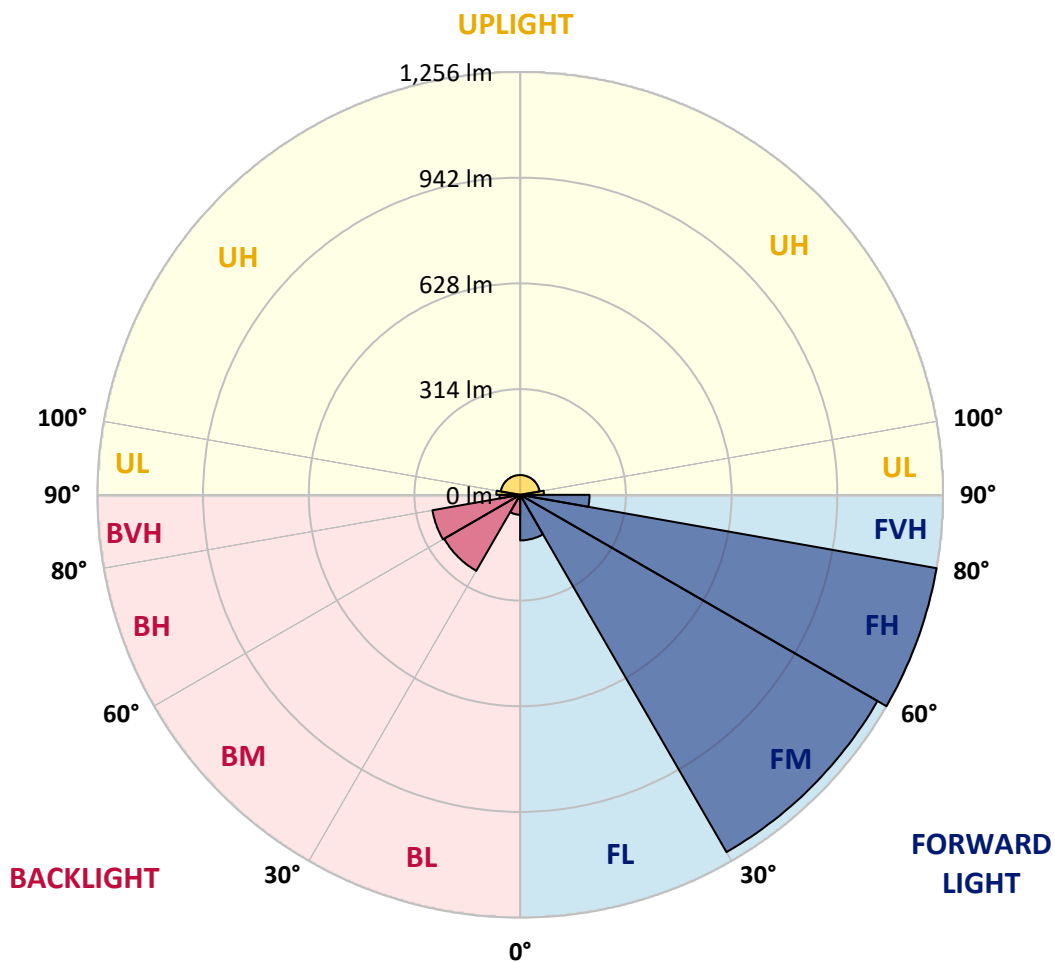
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.3	3.8			
FM	(30°-60°)	1225.7	34.1			
FH	(60°-80°)	1256.1	34.9			G1/1800
FVH	(80°-90°)	206.0	5.7			G2/225
BL	(0°-30°)	59.3	1.6	B0/110		
BM	(30°-60°)	260.9	7.3	B1/1000		
BH	(60°-80°)	264.8	7.4	B1/500		G1/500
BVH	(80°-90°)	61.5	1.7			G1/100
UL	(90°-100°)	70.7	2.0		U3/500	
UH	(100°-180°)	58.6	1.6		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	101.1	101.5	101.1	101.1	100.2	99.8	97.2	95.6	94.3	93.4	92.2
5°	117.1	118.0	117.5	117.5	115.4	114.2	111.2	107.8	105.3	104.9	101.1
7.5°	138.7	138.3	136.6	136.1	135.3	133.2	129.0	123.9	121.3	120.5	115.0
10°	165.3	163.2	164.1	161.1	159.4	156.0	152.2	148.4	143.3	143.3	135.7
12.5°	192.0	196.6	195.3	191.1	187.7	182.2	177.6	176.3	170.4	171.2	164.1
15°	235.5	235.1	231.3	228.3	221.6	214.8	210.6	207.6	205.9	204.6	196.6
17.5°	281.6	279.1	276.1	267.2	257.5	251.6	247.8	244.8	246.9	246.5	236.8
20°	334.9	331.9	327.7	311.6	298.9	289.6	287.5	290.9	292.2	295.6	285.8
22.5°	394.1	392.8	382.7	364.5	342.9	330.6	328.5	336.6	346.3	348.0	341.2
25°	465.1	463.4	449.5	423.2	394.9	376.3	376.3	389.0	405.1	408.9	405.5
27.5°	541.2	537.0	518.8	486.7	447.8	423.7	420.7	443.5	465.9	476.9	472.7
30°	628.7	627.9	597.9	558.5	512.0	473.6	472.3	505.7	537.4	542.5	543.3
32.5°	718.8	726.0	691.3	632.5	576.3	531.1	528.9	566.6	610.6	619.4	619.4
35°	822.8	823.2	780.5	722.2	645.2	593.6	587.7	632.5	681.6	693.8	700.6
37.5°	927.7	925.1	886.7	806.3	720.1	657.9	652.4	705.3	761.1	780.9	779.7
40°	1030.8	1038.0	989.4	900.6	796.6	733.6	720.1	782.2	846.5	868.9	860.0
42.5°	1142.0	1140.3	1096.8	997.9	882.0	806.7	798.7	863.0	934.4	959.8	951.8
45°	1239.3	1238.4	1191.1	1092.1	963.6	891.3	880.3	948.4	1038.0	1061.7	1045.2
47.5°	1328.9	1326.8	1277.8	1177.1	1035.1	972.1	972.9	1042.7	1137.8	1176.7	1151.3
50°	1398.3	1391.1	1360.2	1251.5	1112.4	1057.0	1073.1	1155.1	1256.6	1291.7	1264.2
52.5°	1435.5	1424.5	1400.4	1303.6	1185.6	1141.2	1172.1	1269.3	1369.5	1402.9	1372.9
55°	1417.7	1417.7	1404.2	1335.3	1237.6	1218.1	1280.3	1378.4	1482.8	1519.6	1493.0
57.5°	1346.3	1357.3	1363.6	1326.8	1273.5	1294.3	1392.8	1502.7	1602.9	1643.5	1608.4
60°	1221.1	1224.1	1270.6	1281.1	1287.9	1358.9	1509.5	1640.5	1730.6	1762.7	1723.0
62.5°	1043.9	1057.9	1114.6	1192.8	1266.8	1412.6	1632.1	1779.2	1860.4	1882.0	1824.0
65°	846.9	843.5	948.4	1065.5	1208.4	1428.3	1731.0	1913.7	1976.7	2005.4	1904.8
67.5°	642.3	640.1	737.0	908.6	1109.5	1411.8	1811.4	2027.8	2097.2	2098.0	1955.5
70°	455.4	458.8	544.6	726.8	981.8	1336.5	1821.1	2114.9	2140.3	2130.2	1924.7
72.5°	309.1	311.6	393.2	556.9	812.7	1214.8	1739.9	2105.6	2099.7	2071.4	1797.8
75°	199.1	216.1	276.5	423.2	657.9	1039.3	1582.2	1972.5	1941.6	1894.7	1577.5
77.5°	137.4	145.9	192.4	308.2	514.1	858.3	1358.5	1704.8	1672.7	1615.2	1271.8
80°	93.0	96.8	132.3	230.4	404.6	674.8	1106.9	1372.5	1317.1	1257.9	953.9
82.5°	62.2	69.3	95.1	165.3	306.1	520.9	841.8	1048.2	960.2	909.1	670.2
85°	41.4	45.2	67.7	120.1	221.6	379.3	605.9	712.0	634.7	589.4	428.3
87.5°	27.9	31.3	48.2	85.8	164.1	275.7	405.9	460.0	397.9	369.5	259.2
90°	18.6	20.7	35.5	61.7	115.9	192.4	274.0	284.1	244.0	226.6	158.6
92.5°	13.1	15.2	26.6	45.7	81.2	133.6	175.9	172.1	143.8	135.3	102.3
95°	10.1	11.8	20.7	35.1	59.2	91.8	114.6	104.9	90.9	87.9	70.6
97.5°	8.9	9.7	17.3	28.3	44.8	65.1	74.4	71.0	61.3	59.6	51.6
100°	8.0	8.9	15.2	24.5	35.9	47.8	53.3	49.5	44.4	43.1	38.1
102.5°	7.6	8.0	13.5	21.1	29.6	37.6	41.0	36.8	33.0	32.6	29.2
105°	7.2	7.6	11.8	18.2	24.9	30.9	32.1	28.8	25.8	24.5	22.0
107.5°	6.8	6.8	10.6	16.1	21.6	25.8	26.6	23.3	19.9	19.0	17.3
110°	6.3	6.8	9.7	14.4	19.0	22.4	22.4	19.0	15.6	14.8	14.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	6.3	6.3	8.9	12.7	16.9	19.4	19.0	15.6	12.7	11.4	11.4
115°	5.9	6.3	8.5	11.8	15.2	16.9	16.1	13.1	10.1	9.3	9.7
117.5°	5.9	6.3	7.6	10.6	13.5	14.8	14.0	11.0	8.5	8.0	8.9
120°	5.9	6.3	7.6	9.7	11.8	13.1	12.3	9.3	7.6	7.2	8.0
122.5°	6.3	6.3	7.2	8.9	11.0	11.8	10.6	8.0	6.8	6.3	7.2
125°	6.3	6.3	7.2	8.5	10.1	10.6	9.3	7.2	5.9	5.9	6.8
127.5°	6.3	6.3	7.2	8.0	9.3	9.3	8.5	6.3	5.5	5.5	6.3
130°	6.3	6.3	6.8	7.6	8.5	8.5	7.2	5.5	5.1	5.1	5.9
132.5°	6.8	6.8	6.8	7.2	7.6	7.6	6.3	5.1	4.7	4.7	5.9
135°	6.3	6.3	6.3	6.8	6.8	6.8	5.5	4.7	4.2	4.7	5.5
137.5°	5.9	5.9	6.3	6.3	6.3	5.9	4.7	3.8	3.8	4.2	5.1
140°	5.9	5.5	5.9	5.9	5.5	5.1	4.2	3.4	3.4	3.8	4.2
142.5°	5.1	5.1	5.1	5.1	4.7	4.2	3.4	3.0	3.4	3.4	3.8
145°	4.7	4.7	4.7	4.2	4.2	3.4	2.5	2.5	2.5	3.0	3.4
147.5°	3.8	3.8	3.8	3.8	3.4	3.0	1.7	2.1	2.1	2.1	2.5
150°	3.0	3.0	3.4	3.0	2.5	2.1	1.3	1.7	2.1	2.1	2.1
152.5°	2.5	2.5	2.5	2.5	2.1	1.3	1.3	1.7	1.7	1.7	2.1
155°	1.7	1.7	1.7	1.7	1.3	0.8	1.3	1.3	1.7	1.7	1.7
157.5°	0.8	0.8	1.3	1.3	0.8	0.8	0.8	1.3	1.3	1.3	1.3
160°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
162.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
165°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
167.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
170°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
172.5°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
175°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
177.5°	0.0	0.4	0.8	0.8	1.3	0.8	0.8	0.8	0.8	0.8	1.3
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2.5°	91.3	90.5	88.8	87.1	85.8	84.6	83.7	82.4	81.6	81.6	81.6
5°	98.5	97.7	93.4	89.2	85.4	82.0	79.5	76.5	75.3	74.0	74.4
7.5°	112.9	109.9	103.2	96.0	89.6	82.9	77.8	73.6	71.0	69.3	69.3
10°	132.3	127.7	117.5	106.6	96.0	86.3	78.6	72.7	68.5	66.8	66.8
12.5°	157.3	152.6	137.0	120.5	104.4	90.5	80.8	73.1	68.5	66.4	66.4
15°	190.7	182.7	161.5	137.8	114.6	95.6	82.9	76.5	73.6	72.3	72.3
17.5°	230.4	218.6	191.1	155.6	124.7	100.6	88.4	82.4	79.9	79.5	79.5
20°	276.9	262.1	220.7	173.4	132.8	107.0	93.0	87.9	87.1	87.5	87.5
22.5°	329.8	308.2	251.2	189.4	140.4	110.8	96.4	92.2	93.0	95.1	94.7
25°	385.6	362.8	284.6	203.8	145.5	112.5	98.5	96.0	99.4	101.9	101.9
27.5°	450.7	415.2	315.0	213.9	146.7	111.2	98.9	97.7	102.3	106.1	107.0
30°	517.1	471.4	341.2	220.3	144.2	108.2	97.2	98.1	103.6	108.7	109.1
32.5°	584.3	524.7	362.8	221.6	140.0	104.4	95.6	97.2	103.2	108.7	109.5
35°	651.1	574.6	377.2	216.9	133.2	100.6	92.6	95.6	101.5	107.8	108.7
37.5°	716.7	622.0	386.0	209.3	126.4	97.2	90.5	93.4	99.4	106.6	107.4
40°	788.1	672.7	391.1	200.4	119.7	94.3	89.2	92.2	98.1	104.9	106.1
42.5°	853.7	719.2	391.5	189.4	114.6	93.0	88.4	90.9	96.4	103.6	104.9
45°	939.1	767.0	391.5	180.1	111.2	92.6	88.4	90.5	95.6	103.2	104.9
47.5°	1019.8	822.0	392.4	172.1	109.5	93.4	89.2	90.1	94.3	103.2	104.9
50°	1113.7	874.8	399.1	166.2	109.1	95.1	90.5	89.6	93.0	102.3	104.4
52.5°	1207.2	944.6	407.6	161.9	109.9	96.8	91.3	89.6	91.8	100.2	102.7
55°	1309.5	1011.0	416.9	162.4	111.6	98.5	92.6	89.2	90.1	96.8	99.4
57.5°	1411.8	1088.8	437.2	164.9	113.7	100.6	93.9	89.2	87.9	93.0	95.1
60°	1501.4	1157.3	458.3	170.4	116.7	102.7	94.7	88.8	86.3	89.2	90.9
62.5°	1596.1	1232.1	475.2	175.0	120.1	104.4	94.7	88.4	85.0	87.1	87.9
65°	1657.9	1276.5	484.1	181.0	123.5	105.7	95.1	87.5	84.6	85.8	86.7
67.5°	1689.6	1283.7	478.2	183.1	126.4	106.6	94.7	86.7	85.0	85.8	86.7
70°	1652.0	1235.9	449.9	181.8	127.3	106.6	93.9	85.8	85.0	86.3	86.7
72.5°	1515.8	1120.9	408.0	175.5	126.0	104.9	92.6	84.6	84.6	86.7	86.7
75°	1305.2	955.6	353.1	165.7	122.6	102.3	90.1	82.4	83.3	86.3	86.3
77.5°	1045.2	756.0	290.9	151.8	116.3	98.1	86.7	79.5	81.6	85.0	84.6
80°	778.0	563.2	234.2	136.1	107.8	92.2	82.0	76.1	79.1	82.0	81.2
82.5°	518.4	395.3	185.2	119.7	98.9	86.3	77.0	71.5	75.3	78.2	77.0
85°	336.6	263.4	143.3	103.2	89.6	79.5	70.6	66.4	70.2	72.7	71.5
87.5°	209.7	176.7	109.1	87.9	79.9	71.9	65.1	60.5	64.3	66.8	65.1
90°	138.7	118.4	85.8	76.1	71.0	64.7	58.3	55.0	58.8	59.6	58.3
92.5°	91.3	83.7	69.8	65.1	62.6	57.5	52.9	49.9	52.9	53.3	52.4
95°	65.5	63.4	57.5	56.7	55.4	51.2	47.4	44.8	46.5	46.9	45.2
97.5°	49.9	49.5	49.0	49.0	48.2	45.2	41.9	39.7	40.6	40.2	38.9
100°	38.9	39.7	41.0	41.9	41.4	39.3	36.8	35.1	35.5	33.8	32.6
102.5°	30.4	32.1	34.2	35.5	35.5	33.8	32.6	30.9	29.6	27.5	27.1
105°	24.1	25.4	28.3	30.4	30.4	29.6	28.3	26.2	24.9	22.4	22.4
107.5°	19.0	20.7	24.1	25.8	26.2	25.4	24.5	22.8	20.7	18.2	18.2
110°	15.2	16.5	20.3	22.0	22.4	22.0	21.1	19.0	16.9	15.2	15.2



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CATALOG NUMBER: LXF.LXT-PA1-30-750-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.7	14.0	16.9	18.6	19.4	19.0	18.2	16.1	14.0	12.7	12.7
115°	11.0	12.3	14.4	16.1	16.5	16.5	15.2	14.0	11.4	11.0	11.0
117.5°	9.7	10.6	12.7	14.0	14.8	14.4	13.1	11.8	10.1	9.7	9.7
120°	8.9	9.7	11.4	12.7	12.7	12.3	11.4	10.1	8.9	8.5	8.9
122.5°	8.0	8.9	10.1	11.0	11.0	11.0	10.1	8.9	7.6	7.6	8.0
125°	7.6	8.0	9.3	9.7	10.1	9.7	8.9	7.6	6.8	7.2	7.2
127.5°	7.2	7.6	8.5	8.9	8.9	8.5	7.6	6.8	5.9	6.3	6.8
130°	6.8	7.2	7.6	8.0	8.0	7.6	6.8	5.9	5.5	5.9	5.9
132.5°	5.9	6.3	6.8	7.2	6.8	6.8	5.9	5.1	5.1	5.5	5.5
135°	5.5	5.9	5.9	6.3	5.9	5.9	5.1	4.7	4.7	5.1	5.1
137.5°	5.1	5.5	5.5	5.5	5.1	5.1	4.7	4.2	4.2	4.2	4.7
140°	4.7	4.7	4.7	4.7	4.2	4.2	3.8	3.4	3.8	3.8	3.8
142.5°	4.2	4.2	4.2	3.8	3.8	3.4	3.0	3.0	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.0	3.0	2.5	2.5	2.5	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.5	2.1	2.1	2.1	2.1	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.1	1.7	1.7	1.3	1.7	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	2.1	1.7	0.8	1.3	1.7	1.7	1.7	1.7
155°	1.7	1.7	2.1	1.7	1.3	0.4	0.8	1.3	1.3	1.3	1.3
157.5°	1.7	1.7	1.7	1.3	0.8	0.4	0.8	0.8	1.3	0.8	1.3
160°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.8	0.8	0.8
162.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.8	0.4	0.4	0.4
165°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)