

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: P415160

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4656 lumens
Efficiency: N/A
Efficacy: 116.4 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

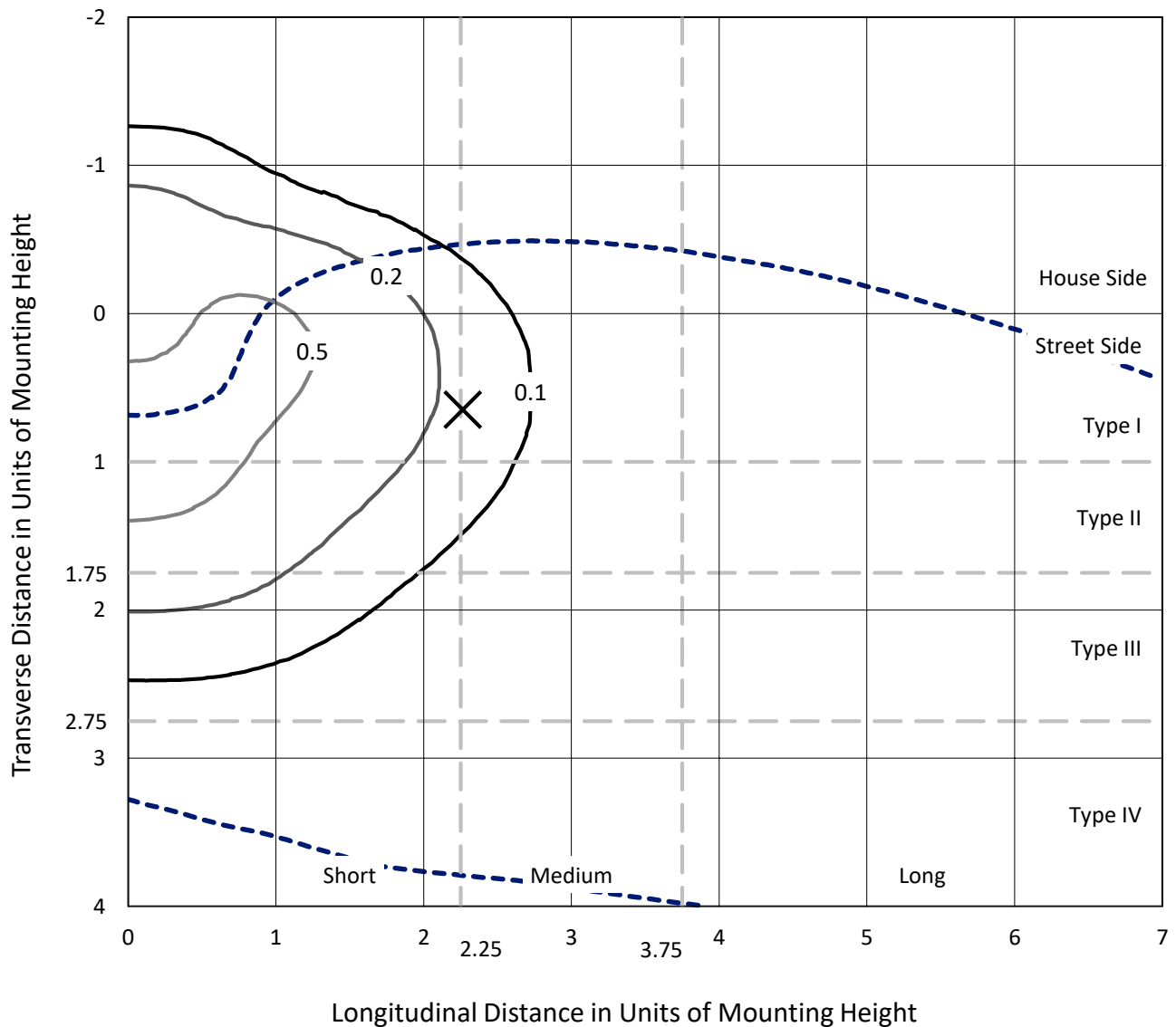
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

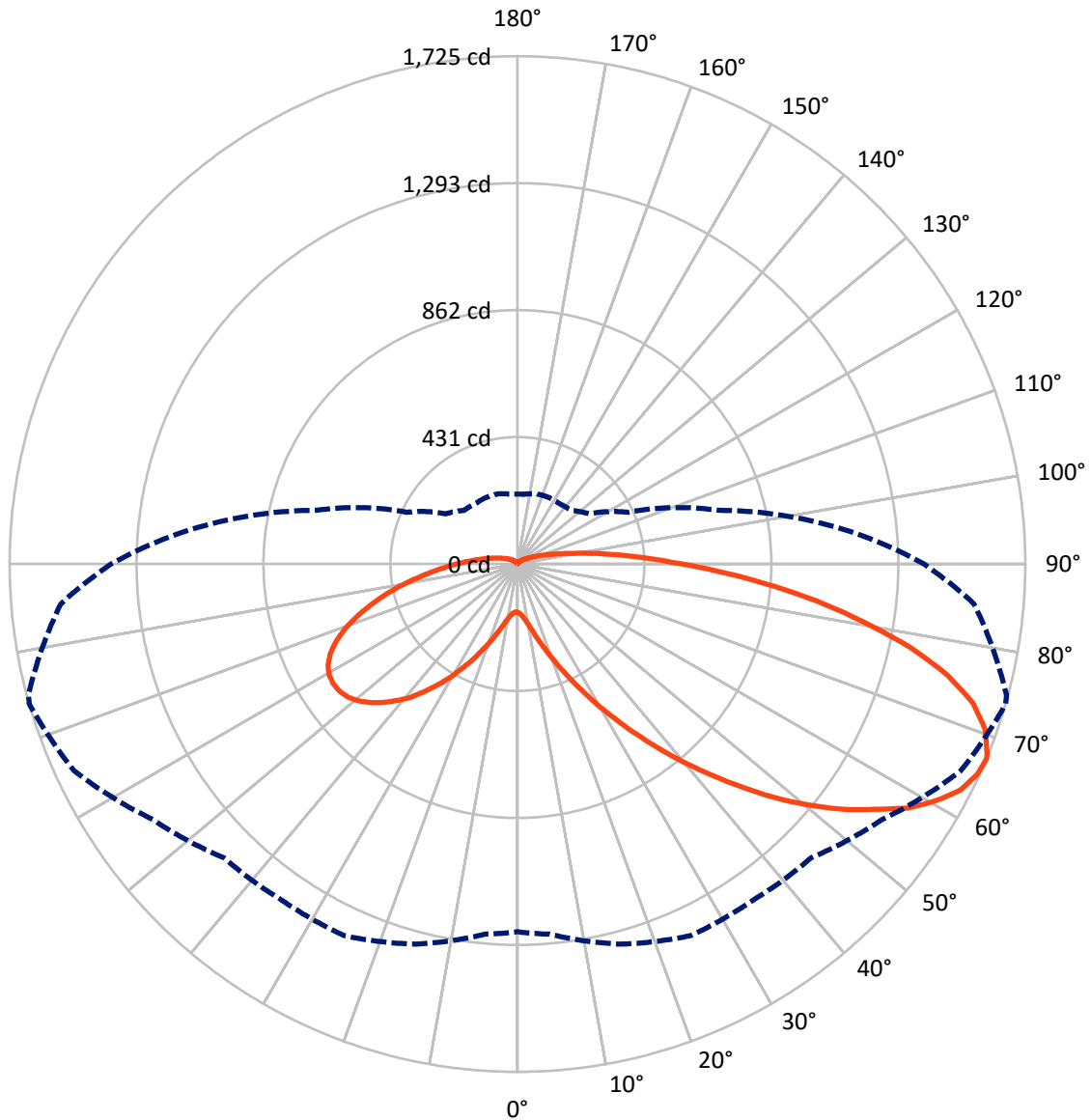
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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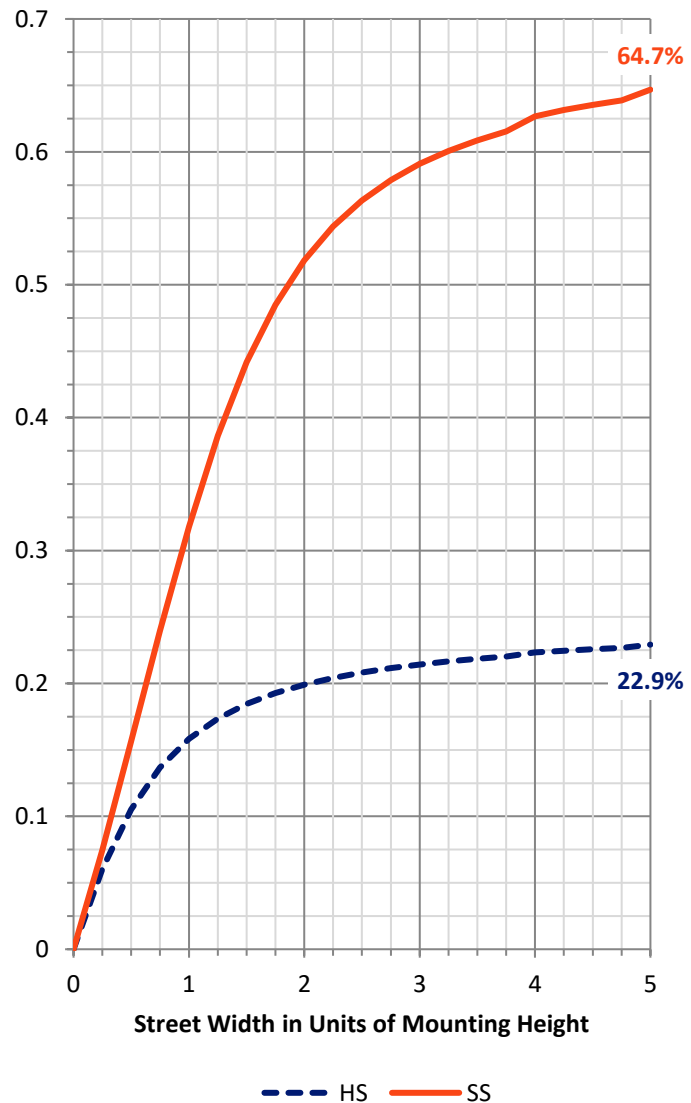
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1122.4	138.8	1261.1
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	3153.2	241.7	3394.8
	% Fixture	67.7	5.2	72.9
Total	Lumens	4275.5	380.5	4656.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.4
10°-20°	71.5	1.5
20°-30°	180.9	3.9
30°-40°	362.9	7.8
40°-50°	609.2	13.1
50°-60°	854.6	18.4
60°-70°	955.2	20.5
70°-80°	779.3	16.7
80°-90°	444.8	9.6
90°-100°	203.3	4.4
100°-110°	93.0	2.0
110°-120°	45.9	1.0
120°-130°	23.3	0.5
130°-140°	10.8	0.2
140°-150°	3.6	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4275.5	91.8
0°-180°	4656.0	100.0

Coefficient of Utilization



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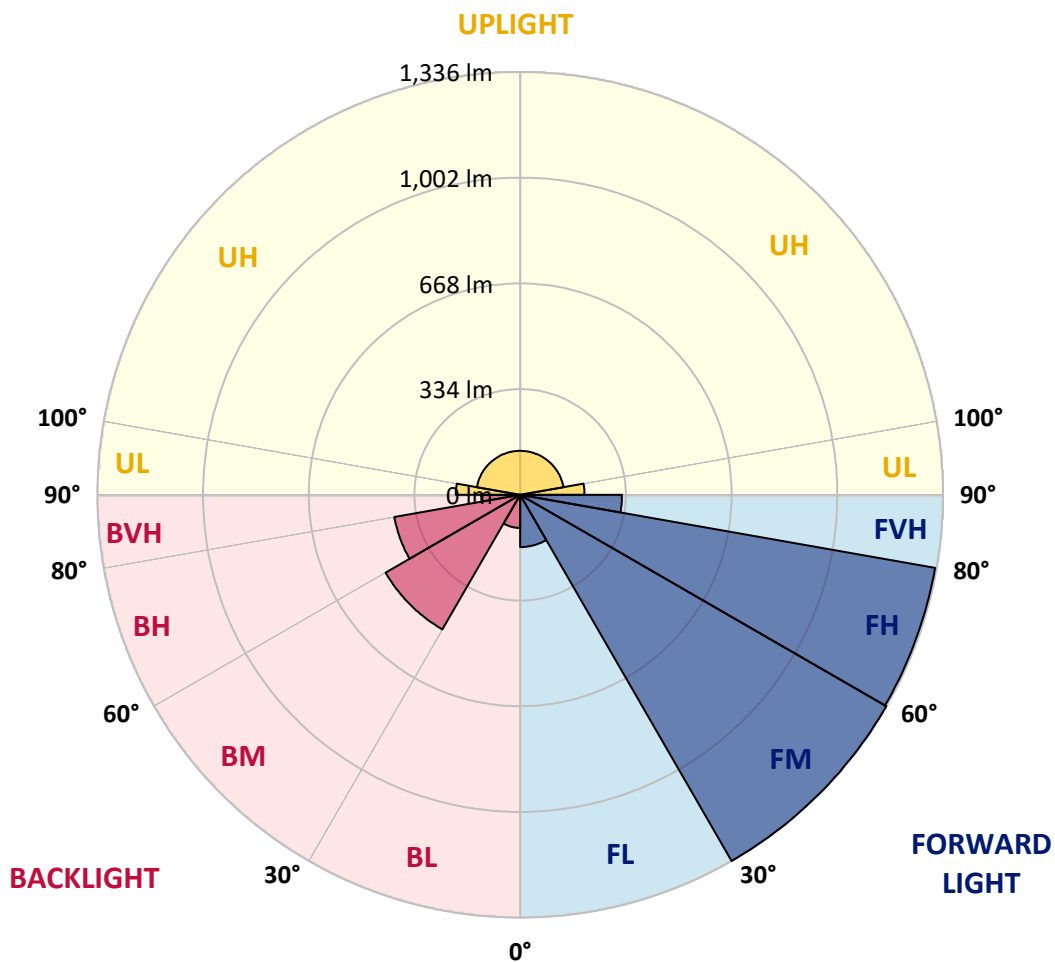
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.0	3.5			
FM	(30°-60°)	1335.7	28.7			
FH	(60°-80°)	1330.9	28.6			G1/1800
FVH	(80°-90°)	321.6	6.9			G3/500
BL	(0°-30°)	104.6	2.2	B0/110		
BM	(30°-60°)	491.0	10.5	B1/1000		
BH	(60°-80°)	403.6	8.7	B1/500		G1/500
BVH	(80°-90°)	123.2	2.6			G2/225
UL	(90°-100°)	203.3	4.4		U3/500	
UH	(100°-180°)	138.8	3.0		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°	74°	75°	85°
0°	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2
2.5°	178.5	177.4	177.4	176.3	175.7	173.6	171.9	169.7	168.6	168.1	166.4
5°	194.9	193.3	193.3	192.2	190.0	187.2	183.4	181.2	177.4	177.9	173.0
7.5°	214.6	214.1	213.0	210.8	208.0	204.8	200.9	196.0	191.6	191.6	185.6
10°	240.9	237.6	237.6	234.9	232.1	227.2	221.7	216.3	210.2	209.7	201.5
12.5°	272.6	272.1	268.8	265.0	260.6	255.7	246.9	241.4	235.4	234.9	226.1
15°	309.9	308.2	303.9	302.2	295.6	286.9	279.8	274.3	268.3	266.1	254.6
17.5°	353.7	351.5	349.8	341.6	336.2	329.0	320.8	313.7	303.3	302.2	289.6
20°	405.1	400.2	395.3	388.7	380.0	373.4	364.6	358.1	346.0	346.0	329.0
22.5°	459.3	458.2	453.9	442.9	430.9	424.3	416.1	402.9	393.1	390.4	371.7
25°	525.0	523.9	515.2	503.7	491.1	481.2	468.1	453.9	445.6	445.1	424.3
27.5°	599.5	601.1	585.8	571.0	554.1	538.2	523.9	516.8	505.9	504.2	480.1
30°	689.3	682.2	666.3	644.9	621.4	601.1	586.4	579.2	572.1	571.6	542.6
32.5°	780.7	772.5	758.8	729.2	696.4	665.2	658.1	652.1	643.8	639.5	610.4
35°	882.0	875.4	855.7	816.8	773.0	739.1	724.3	725.4	721.6	719.4	684.4
37.5°	993.7	982.2	955.4	917.6	853.0	816.3	799.3	808.6	806.4	802.1	765.4
40°	1098.8	1097.2	1068.7	1010.1	945.0	892.9	881.4	897.3	894.6	889.1	848.6
42.5°	1220.3	1208.3	1176.5	1110.8	1032.0	974.5	961.9	985.5	988.8	989.8	935.6
45°	1324.4	1318.9	1288.8	1213.2	1122.3	1059.9	1049.5	1074.7	1085.7	1086.8	1027.1
47.5°	1425.6	1423.5	1392.8	1314.5	1210.5	1144.2	1130.5	1166.7	1189.7	1184.7	1114.1
50°	1501.7	1505.6	1480.9	1406.5	1298.1	1219.2	1222.5	1266.9	1288.2	1285.5	1207.2
52.5°	1566.9	1561.4	1551.0	1480.4	1367.6	1295.3	1299.2	1352.3	1384.0	1382.4	1295.3
55°	1591.0	1589.3	1590.4	1532.9	1424.5	1357.8	1369.3	1444.3	1470.5	1467.3	1367.1
57.5°	1586.1	1585.0	1601.9	1564.2	1470.5	1407.0	1433.3	1519.8	1563.1	1558.7	1442.6
60°	1548.8	1543.9	1580.6	1566.9	1489.1	1437.7	1483.7	1586.1	1632.6	1631.5	1504.5
62.5°	1465.1	1472.7	1523.6	1536.2	1483.7	1453.6	1513.8	1637.5	1689.5	1685.7	1548.8
65°	1348.4	1367.6	1428.9	1472.7	1446.4	1439.3	1524.7	1660.5	1718.0	1717.4	1564.7
67°	1248.8	1261.9	1336.4	1392.2	1393.9	1410.3	1512.1	1661.1	1724.6	1719.6	1557.0
67.5°	1213.8	1231.3	1306.8	1374.7	1381.8	1402.1	1507.2	1660.0	1720.2	1717.4	1553.2
70°	1055.0	1075.3	1157.9	1243.3	1287.1	1330.9	1462.3	1629.3	1685.1	1679.1	1508.9
72.5°	894.0	922.5	1000.8	1102.1	1166.1	1238.4	1384.6	1552.7	1618.4	1605.8	1422.4
75°	739.6	758.8	834.9	944.4	1027.6	1125.6	1278.4	1449.2	1508.3	1497.9	1312.3
77.5°	589.6	607.2	680.5	790.6	884.7	994.8	1154.1	1319.4	1365.4	1359.4	1172.7
80°	465.4	478.0	548.6	646.6	743.5	861.2	1012.3	1160.1	1190.2	1194.6	1018.9
82.5°	358.1	374.5	435.8	522.3	613.7	726.0	857.4	988.2	1021.6	1010.7	861.2
85°	273.7	287.4	342.2	415.5	507.0	601.7	718.8	826.1	840.9	828.3	698.0
87.5°	214.1	224.5	267.2	338.3	411.2	492.2	585.8	667.9	675.6	673.4	559.0
90°	165.9	175.2	210.8	267.2	334.0	403.5	476.9	534.3	530.5	533.8	440.7
92.5°	130.3	135.2	167.5	217.4	273.2	329.0	384.9	423.2	422.7	413.3	343.8
95°	105.7	108.4	136.3	177.9	222.8	267.2	308.8	333.4	332.3	322.5	268.3
97.5°	85.4	87.0	111.1	146.2	184.0	218.4	248.6	266.1	257.3	253.5	210.2
100°	70.1	71.2	92.0	122.1	153.3	182.9	204.2	211.3	199.3	197.1	165.3
102.5°	59.7	60.2	77.7	103.5	128.1	150.6	166.4	169.7	155.5	156.6	130.3
105°	50.9	51.5	65.2	88.1	108.9	125.9	137.4	135.8	124.3	122.6	104.0
107.5°	44.3	44.9	55.8	75.6	93.6	107.9	113.9	110.0	99.6	97.5	83.8



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	38.9	39.4	48.2	64.6	80.5	92.5	95.8	89.8	80.5	78.3	69.0
112.5°	35.0	35.0	42.2	55.8	70.1	79.9	81.0	75.0	64.6	63.5	57.5
115°	31.8	31.8	37.2	48.2	60.8	68.4	68.4	61.3	53.1	52.6	48.2
117.5°	29.0	29.0	32.8	42.2	52.6	59.1	58.0	51.5	44.3	43.8	41.6
120°	26.8	26.8	29.6	36.7	45.4	50.4	49.3	42.7	37.2	36.7	35.6
122.5°	24.6	25.2	26.8	32.3	39.4	43.3	42.2	36.7	31.8	31.2	31.2
125°	23.0	23.0	24.1	27.9	33.9	37.2	35.6	30.1	26.8	26.8	26.8
127.5°	21.4	21.4	21.9	24.6	29.0	31.2	29.6	25.2	23.5	23.0	23.5
130°	19.7	19.7	20.3	21.4	24.6	25.7	24.1	21.4	19.7	19.7	20.3
132.5°	18.1	18.1	18.1	18.6	20.3	21.4	19.7	17.5	17.0	17.0	17.5
135°	16.4	17.0	16.4	16.4	17.0	17.0	15.3	14.2	14.2	14.8	15.3
137.5°	14.8	14.8	14.2	13.7	13.7	13.1	12.0	11.5	12.0	12.0	12.6
140°	13.1	13.1	12.6	11.5	10.4	9.9	9.3	8.8	9.9	9.9	10.4
142.5°	11.5	11.5	10.4	9.3	7.7	6.6	6.0	6.6	7.7	7.7	8.2
145°	9.3	9.3	8.8	7.7	5.5	4.4	3.8	4.9	5.5	5.5	6.0
147.5°	7.7	7.1	6.6	5.5	3.8	2.7	2.2	3.3	3.8	3.8	4.4
150°	5.5	5.5	4.9	3.8	2.2	1.1	1.1	1.6	2.2	2.2	2.7
152.5°	3.8	3.8	3.3	2.2	1.1	0.0	0.5	1.1	1.1	1.1	1.6
155°	2.2	2.2	2.2	1.6	0.5	0.0	0.0	0.5	0.5	0.5	1.1
157.5°	1.1	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	1.1	0.5	0.5	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°	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2	164.2
2.5°	165.3	164.2	163.1	161.5	160.4	159.3	158.2	157.7	157.7	157.1	157.7
5°	171.4	169.7	166.4	163.7	160.4	158.2	156.0	154.9	153.8	153.3	153.3
7.5°	182.3	180.1	174.6	169.7	164.8	161.0	158.2	155.5	154.4	153.8	153.8
10°	198.2	194.9	186.7	179.6	172.5	167.5	162.6	159.9	158.2	157.1	157.1
12.5°	220.6	215.2	204.8	192.7	183.4	176.8	170.8	168.1	167.5	167.5	167.5
15°	250.7	243.1	227.2	213.0	199.3	187.8	183.4	183.4	182.9	182.3	182.9
17.5°	282.0	273.2	253.5	235.4	218.4	206.9	199.8	198.2	197.6	197.1	197.6
20°	319.2	308.2	285.2	260.6	239.2	228.3	218.4	214.1	213.5	214.1	213.0
22.5°	361.3	349.3	315.3	285.8	262.2	246.9	235.4	229.4	230.5	230.5	229.9
25°	412.3	393.6	353.7	313.7	285.2	263.9	250.7	244.7	245.3	246.4	247.5
27.5°	463.7	442.4	391.4	342.7	305.5	280.9	265.5	259.0	258.4	261.7	261.1
30°	523.9	496.6	433.1	372.3	324.1	292.9	277.0	271.6	271.0	273.7	274.3
32.5°	588.5	554.6	476.3	401.9	340.5	303.3	285.2	281.4	280.3	283.0	283.6
35°	659.2	615.9	518.5	427.6	354.2	310.4	291.8	287.4	285.8	288.5	289.6
37.5°	727.6	677.2	561.7	450.6	365.2	314.8	294.5	291.3	289.1	290.7	291.3
40°	799.9	746.2	605.5	471.4	371.7	317.0	295.6	292.4	290.2	290.2	290.2
42.5°	879.3	809.7	641.1	486.2	375.6	316.4	294.5	290.7	288.0	285.8	285.8
45°	960.8	878.2	677.8	498.2	376.1	313.7	291.8	288.5	284.1	279.8	279.2
47.5°	1040.2	940.0	710.1	504.8	374.5	309.9	288.0	283.6	279.8	273.2	273.2
50°	1117.4	1001.9	736.9	508.1	369.5	305.5	284.1	279.8	274.8	266.1	265.0
52.5°	1188.0	1058.3	757.2	507.0	362.4	299.5	279.2	275.4	269.4	259.0	259.0
55°	1257.6	1110.3	769.8	499.9	353.7	292.9	274.8	271.0	264.4	253.5	252.4
57.5°	1314.5	1147.5	774.7	488.9	343.8	285.8	270.5	266.6	260.6	248.6	248.6
60°	1362.7	1178.7	771.4	474.7	332.9	279.2	265.0	262.8	257.3	245.8	245.8
62.5°	1390.6	1191.3	758.8	456.6	320.3	272.1	260.1	259.0	254.0	243.1	243.1
65°	1396.6	1183.1	733.1	434.2	307.7	263.9	254.6	254.0	250.7	240.3	239.2
67°	1380.2	1161.8	704.6	415.0	296.7	257.3	249.7	249.7	246.9	237.6	237.1
67.5°	1374.2	1153.5	696.9	410.1	294.5	256.2	248.6	249.1	246.4	237.1	235.4
70°	1321.6	1098.2	649.9	382.1	279.2	246.4	241.4	242.0	239.8	232.7	231.0
72.5°	1240.0	1018.9	594.6	355.3	263.9	236.5	231.6	233.8	231.6	226.1	222.8
75°	1130.0	922.0	537.1	324.7	248.6	224.5	221.2	222.3	221.7	216.3	213.5
77.5°	1000.2	815.2	475.8	296.2	231.6	212.4	209.1	210.8	209.7	204.8	201.5
80°	859.5	702.4	416.6	267.7	214.1	198.7	195.5	196.0	195.5	190.5	186.1
82.5°	721.6	591.8	356.4	239.8	197.1	184.0	180.1	179.6	178.5	173.0	169.7
85°	595.7	486.2	304.4	213.0	179.6	167.5	164.2	162.1	160.4	154.4	152.2
87.5°	474.7	397.5	257.3	190.0	162.1	152.2	147.8	144.0	141.3	135.8	133.6
90°	378.9	320.3	219.5	166.4	146.2	137.4	131.4	126.5	123.2	117.2	113.9
92.5°	300.6	255.1	184.5	146.2	130.8	123.2	117.7	111.7	107.3	99.6	98.0
95°	238.2	205.3	155.5	128.1	116.1	109.5	104.6	98.0	92.0	84.3	82.7
97.5°	188.3	167.5	130.8	112.2	102.4	96.9	92.0	85.4	78.8	71.2	70.1
100°	150.6	134.7	112.2	98.0	91.4	86.0	81.0	75.0	66.8	59.1	59.1
102.5°	121.0	110.6	94.2	86.0	80.5	76.1	71.7	65.7	56.9	48.7	48.7
105°	98.0	91.4	81.0	75.0	71.2	67.9	63.5	56.4	47.6	41.1	41.1
107.5°	80.5	75.6	69.5	65.2	63.0	59.7	55.8	48.7	40.5	34.5	34.5



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CATALOG NUMBER: LXF.LXT-PA1-40-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	66.8	63.5	59.1	57.5	55.8	53.1	48.7	42.2	33.9	29.6	29.6
112.5°	55.8	54.2	50.9	50.4	49.3	47.1	42.7	36.1	28.5	25.7	25.7
115°	47.6	46.5	44.3	44.3	43.3	41.6	37.2	31.2	24.6	21.9	22.4
117.5°	40.5	40.0	38.9	38.9	38.3	36.7	32.3	26.8	20.8	19.7	19.7
120°	35.6	35.0	34.5	33.9	33.9	31.8	27.9	22.4	18.1	17.5	17.5
122.5°	30.7	30.7	30.1	30.1	29.6	27.4	24.1	19.2	15.9	15.3	15.3
125°	26.8	26.8	26.3	26.3	25.7	24.1	20.8	16.4	13.7	13.7	13.7
127.5°	23.5	23.5	23.0	23.0	22.4	20.3	17.5	13.7	12.0	12.0	12.6
130°	20.8	20.8	20.3	19.7	19.2	17.5	14.2	11.5	10.4	10.9	10.9
132.5°	18.1	17.5	17.5	17.0	15.9	14.2	12.0	9.9	9.3	9.9	9.9
135°	15.3	15.3	14.8	14.2	13.1	12.0	9.9	8.2	8.2	8.8	8.8
137.5°	13.1	13.1	12.6	11.5	10.9	9.3	7.7	6.6	7.1	7.7	7.7
140°	10.4	10.9	10.4	9.3	8.2	7.1	6.0	5.5	6.0	6.6	7.1
142.5°	8.8	8.8	8.2	7.1	6.0	4.9	4.4	4.4	5.5	6.0	6.0
145°	6.6	6.6	6.0	5.5	3.8	3.3	2.7	3.8	4.4	4.9	4.9
147.5°	4.4	4.4	4.4	3.3	2.2	1.6	1.6	2.7	3.8	3.8	3.8
150°	2.7	2.7	2.7	2.2	1.1	0.5	1.1	2.2	2.7	3.3	3.3
152.5°	1.6	1.6	1.6	1.1	0.5	0.0	0.5	1.6	2.2	2.2	2.2
155°	1.1	1.1	1.1	0.5	0.5	0.0	0.5	1.1	1.6	1.6	1.6
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.5	0.5
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)