

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: P695038

Luminaire Tested: **LXF.LXT-PA16-40-727-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3549 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

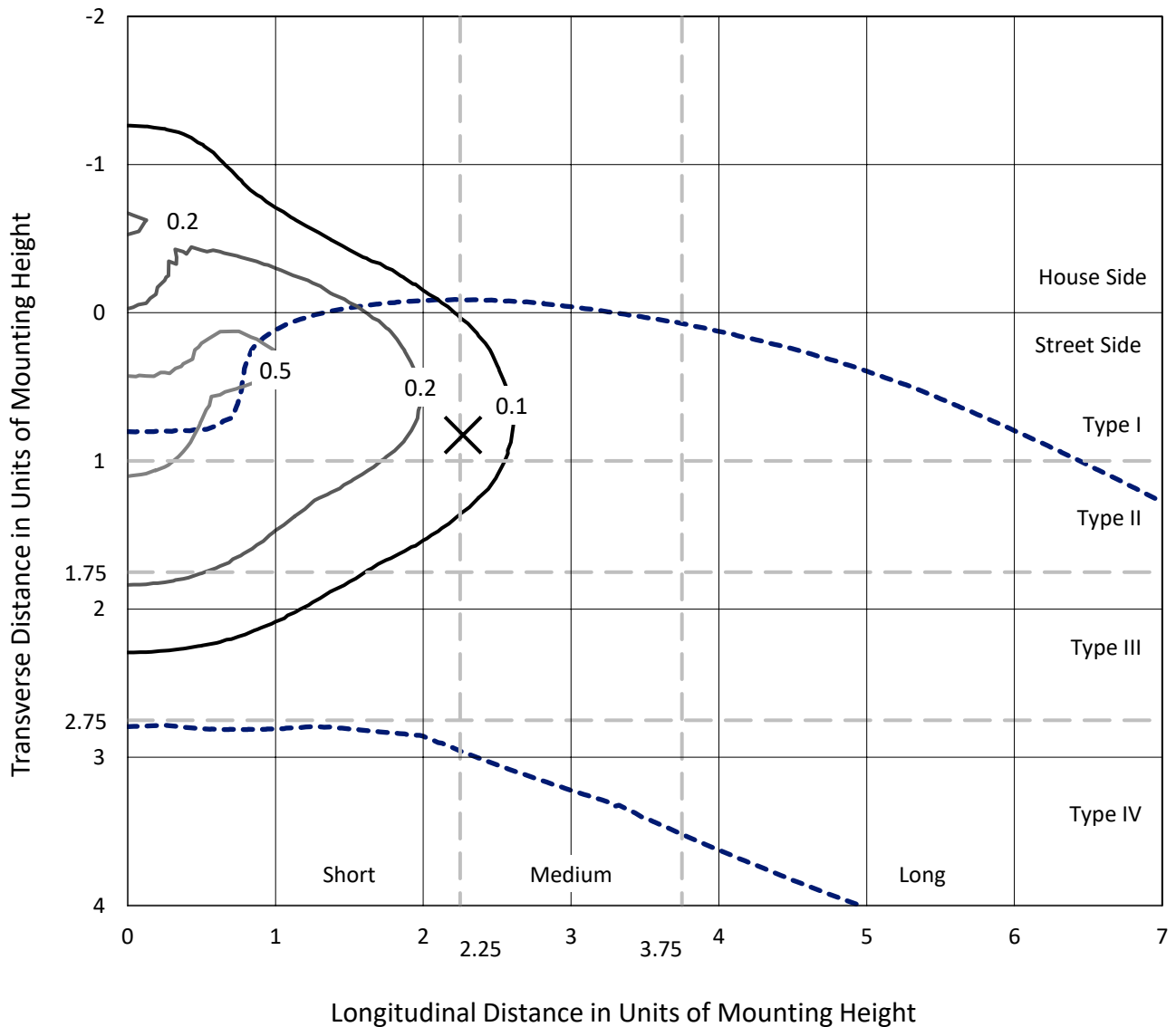
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

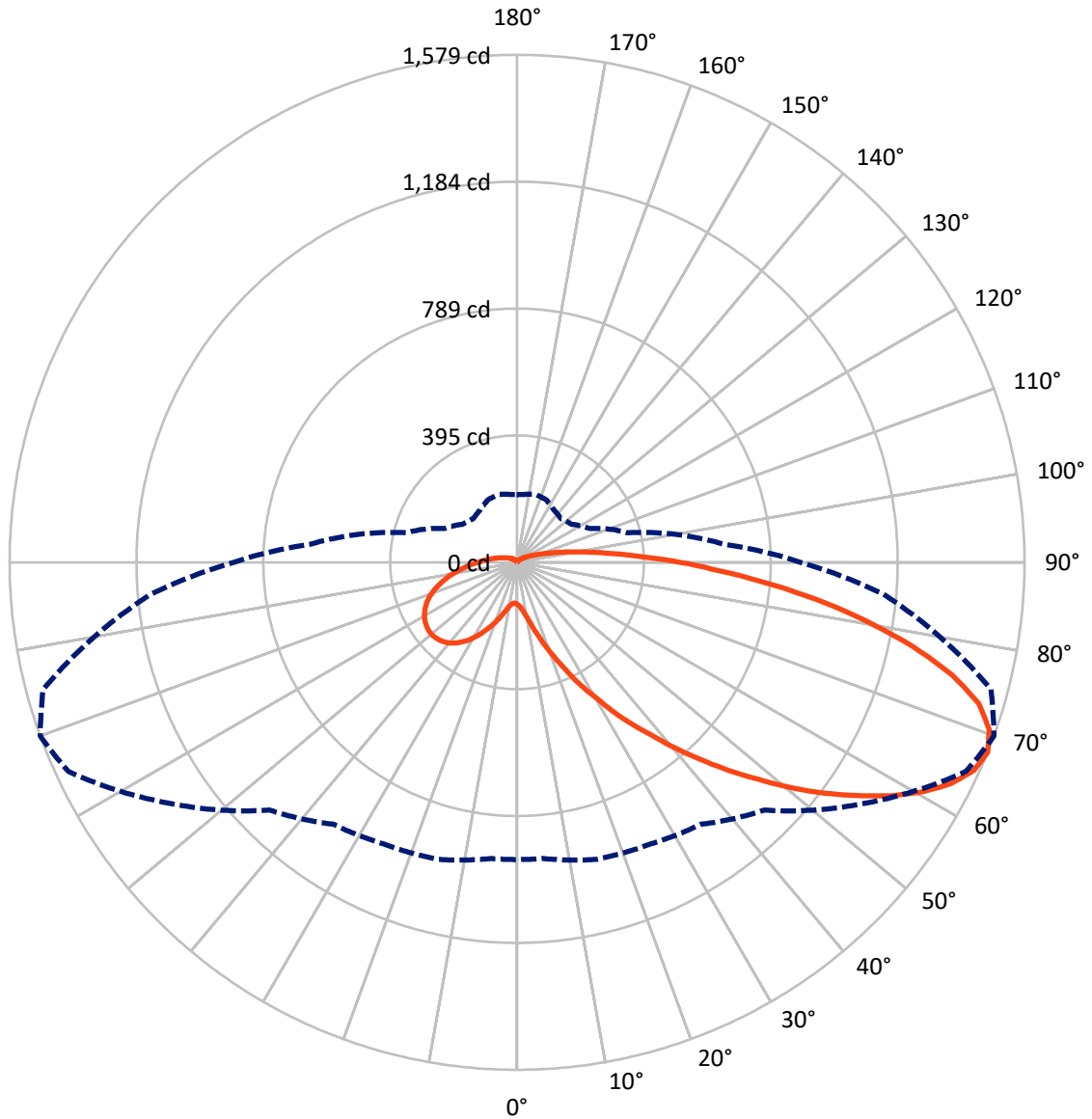
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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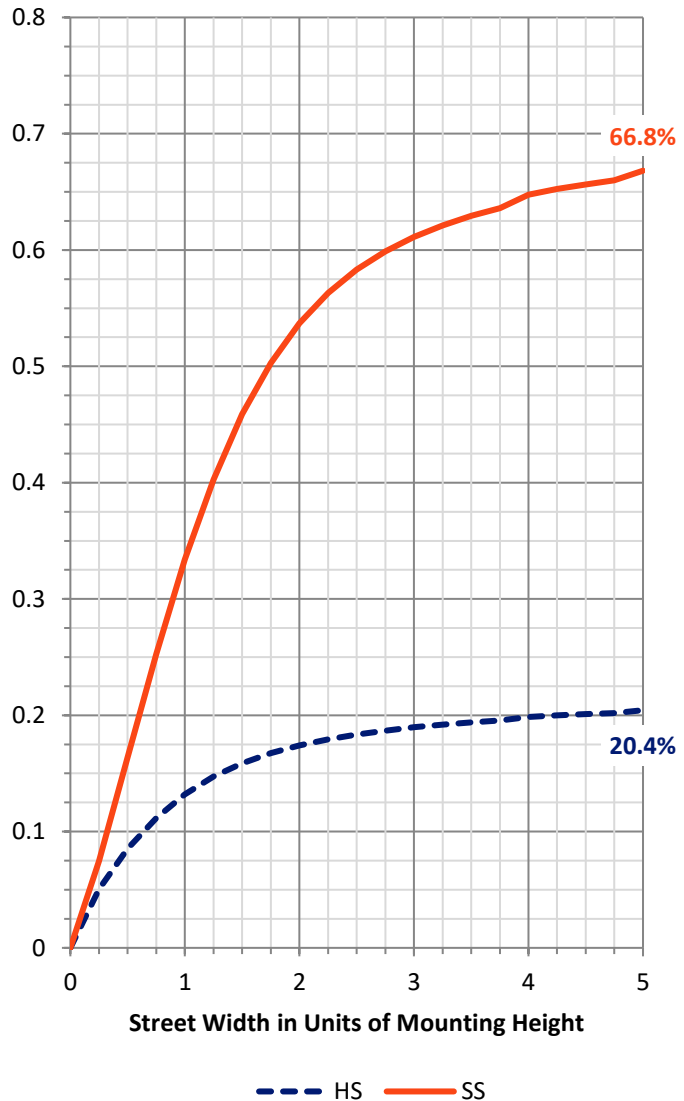
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	765.1	104.2	869.3
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	2484.7	195.0	2679.7
	% Fixture	70.0	5.5	75.5
Total	Lumens	3249.8	299.2	3549.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.4
10°-20°	56.2	1.6
20°-30°	141.6	4.0
30°-40°	277.3	7.8
40°-50°	451.5	12.7
50°-60°	632.6	17.8
60°-70°	725.7	20.4
70°-80°	604.0	17.0
80°-90°	347.3	9.8
90°-100°	159.3	4.5
100°-110°	72.9	2.1
110°-120°	35.9	1.0
120°-130°	18.5	0.5
130°-140°	9.0	0.3
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3249.8	91.6
0°-180°	3549.0	100.0

Coefficient of Utilization

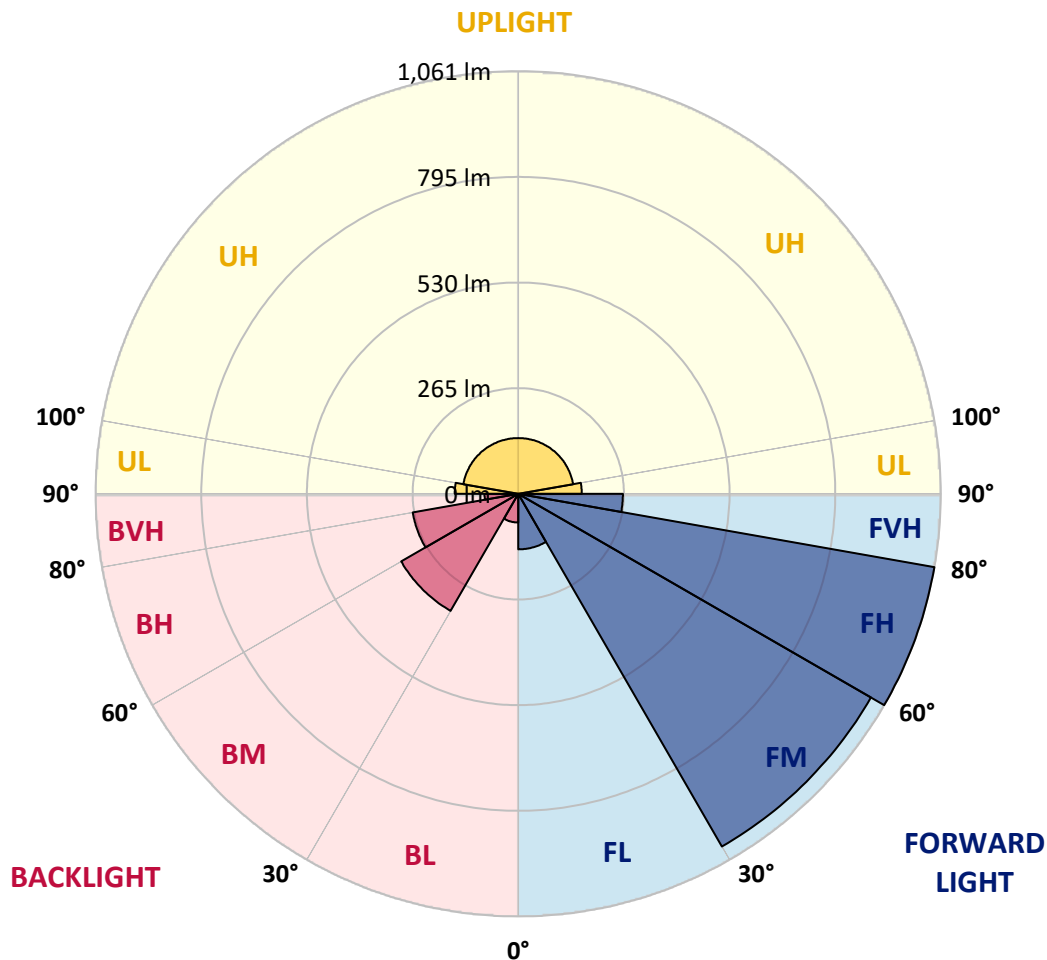


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.4	3.9			
FM (30°-60°)	1022.1	28.8			
FH (60°-80°)	1060.6	29.9			G1/1800
FVH (80°-90°)	262.6	7.4			G3/500
BL (0°-30°)	72.0	2.0	B0/110		
BM (30°-60°)	339.3	9.6	B1/1000		
BH (60°-80°)	269.0	7.6	B1/500		G1/500
BVH (80°-90°)	84.7	2.4			G1/100
UL (90°-100°)	159.3	4.5		U3/500	
UH (100°-180°)	139.9	3.9		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°	70°	75°	85°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	142.9	142.9	142.9	141.5	141.5	138.8	138.8	136.0	136.0	134.6	131.9
5°	160.7	160.7	159.4	159.4	156.6	153.9	151.1	147.0	144.3	142.9	138.8
7.5°	181.3	181.3	180.0	177.2	175.9	171.7	166.2	160.7	158.0	155.2	148.4
10°	206.1	206.1	203.3	202.0	199.2	193.7	188.2	180.0	175.9	171.7	162.1
12.5°	234.9	232.2	232.2	228.1	223.9	219.8	212.9	203.3	199.2	193.7	181.3
15°	265.1	265.1	265.1	261.0	255.5	248.7	243.2	233.6	230.8	222.6	208.8
17.5°	300.9	303.6	299.5	294.0	291.3	284.4	277.5	270.6	263.8	255.5	237.7
20°	344.8	343.5	339.3	333.8	329.7	322.8	318.7	306.4	300.9	292.6	266.5
22.5°	387.4	388.8	384.7	376.4	370.9	366.8	359.9	350.3	342.1	332.5	303.6
25°	443.7	442.4	432.8	420.4	414.9	409.4	405.3	395.7	390.2	381.9	344.8
27.5°	500.1	494.6	487.7	476.7	463.0	453.4	450.6	446.5	442.4	428.6	387.4
30°	559.1	553.7	545.4	527.6	508.3	497.3	497.3	502.8	493.2	482.2	435.5
32.5°	622.3	615.5	604.5	582.5	556.4	544.0	549.5	559.1	557.8	541.3	483.6
35°	685.5	684.2	667.7	640.2	607.2	592.1	600.4	619.6	619.6	607.2	535.8
37.5°	747.4	748.7	733.6	699.3	656.7	640.2	652.6	684.2	684.2	674.5	586.6
40°	825.7	822.9	795.4	755.6	708.9	688.3	713.0	754.2	761.1	743.2	643.0
42.5°	893.0	887.5	865.5	816.1	759.7	735.0	769.3	825.7	839.4	818.8	700.7
45°	961.7	954.8	928.7	873.8	810.6	781.7	829.8	905.4	923.2	904.0	761.1
47.5°	1026.2	1019.4	996.0	930.1	864.1	838.0	891.6	986.4	1008.4	991.9	820.2
50°	1085.3	1084.0	1055.1	986.4	910.8	886.1	956.2	1071.6	1100.4	1075.7	880.6
52.5°	1136.2	1130.7	1103.2	1037.2	957.6	938.3	1022.1	1160.9	1192.5	1167.8	941.1
55°	1167.8	1165.0	1140.3	1075.7	1000.1	986.4	1088.1	1241.9	1280.4	1258.4	997.4
57.5°	1182.9	1178.7	1158.1	1100.4	1031.7	1030.4	1148.5	1325.7	1369.7	1340.9	1055.1
60°	1167.8	1165.0	1151.3	1107.3	1052.4	1064.7	1211.7	1402.7	1449.4	1417.8	1100.4
62.5°	1116.9	1116.9	1115.5	1089.4	1056.5	1093.6	1261.2	1468.6	1515.3	1476.9	1133.4
65°	1037.2	1041.4	1049.6	1044.1	1038.6	1103.2	1294.1	1518.1	1560.7	1515.3	1151.3
67.5°	924.6	924.6	956.2	968.5	994.7	1089.4	1309.3	1540.1	1578.5	1526.3	1144.4
70°	799.6	799.6	835.3	871.0	928.7	1053.7	1292.8	1527.7	1557.9	1500.2	1114.2
72.5°	669.1	670.4	713.0	762.5	842.2	991.9	1248.8	1474.1	1501.6	1432.9	1053.7
75°	541.3	552.3	588.0	652.6	744.6	909.5	1166.4	1380.7	1397.2	1331.2	968.5
77.5°	428.6	442.4	485.0	548.2	644.3	805.1	1055.1	1255.7	1258.4	1195.2	865.5
80°	339.3	349.0	392.9	452.0	545.4	699.3	923.2	1100.4	1097.7	1035.9	741.9
82.5°	267.9	274.8	309.1	366.8	456.1	599.0	792.7	923.2	932.8	872.4	622.3
85°	206.1	214.3	245.9	296.7	376.4	498.7	655.3	757.0	761.1	707.5	512.4
87.5°	158.0	166.2	195.1	243.2	310.5	409.4	534.4	614.1	607.2	564.6	405.3
90°	122.3	126.4	155.2	195.1	254.2	338.0	430.0	482.2	482.2	441.0	324.2
92.5°	97.5	98.9	125.0	160.7	210.2	274.8	346.2	379.2	369.6	346.2	255.5
95°	76.9	79.7	100.3	131.9	173.1	225.3	273.4	296.7	288.5	266.5	200.6
97.5°	61.8	64.6	82.4	109.9	144.3	184.1	219.8	230.8	226.7	211.6	159.4
100°	50.8	52.2	67.3	93.4	120.9	152.5	175.9	182.7	174.5	164.9	125.0
102.5°	42.6	44.0	57.7	78.3	103.0	125.0	142.9	145.6	138.8	127.8	100.3
105°	35.7	37.1	48.1	67.3	86.6	105.8	116.8	115.4	108.5	100.3	81.1
107.5°	31.6	31.6	41.2	57.7	75.6	87.9	96.2	93.4	86.6	78.3	65.9
110°	27.5	27.5	34.3	49.5	64.6	75.6	79.7	75.6	68.7	63.2	53.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	24.7	24.7	30.2	42.6	55.0	64.6	65.9	60.4	56.3	52.2	44.0
115°	22.0	23.4	26.1	35.7	46.7	55.0	55.0	50.8	46.7	42.6	38.5
117.5°	20.6	20.6	23.4	31.6	41.2	46.7	46.7	42.6	38.5	35.7	33.0
120°	19.2	19.2	22.0	27.5	35.7	39.8	39.8	35.7	33.0	30.2	28.9
122.5°	17.9	17.9	19.2	23.4	30.2	34.3	34.3	30.2	27.5	26.1	24.7
125°	16.5	16.5	17.9	20.6	26.1	28.9	28.9	24.7	23.4	22.0	22.0
127.5°	15.1	15.1	16.5	17.9	22.0	24.7	23.4	20.6	19.2	19.2	19.2
130°	13.7	13.7	15.1	16.5	19.2	20.6	19.2	17.9	16.5	16.5	16.5
132.5°	13.7	13.7	13.7	13.7	15.1	16.5	16.5	15.1	13.7	15.1	15.1
135°	12.4	12.4	12.4	12.4	12.4	13.7	12.4	12.4	12.4	12.4	12.4
137.5°	11.0	11.0	11.0	11.0	11.0	11.0	9.6	9.6	9.6	11.0	11.0
140°	9.6	9.6	9.6	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.6
142.5°	8.2	8.2	8.2	6.9	6.9	5.5	5.5	5.5	6.9	6.9	8.2
145°	6.9	6.9	6.9	5.5	4.1	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	5.5	5.5	5.5	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	4.1	4.1	4.1	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	131.9	130.5	129.1	126.4	125.0	125.0	125.0	123.6	123.6	122.3	122.3
5°	136.0	134.6	129.1	125.0	122.3	119.5	116.8	115.4	114.0	112.7	112.7
7.5°	144.3	141.5	134.6	127.8	122.3	116.8	112.7	109.9	108.5	107.2	107.2
10°	156.6	152.5	141.5	131.9	123.6	116.8	111.3	108.5	105.8	104.4	104.4
12.5°	174.5	169.0	153.9	140.1	129.1	119.5	114.0	109.9	107.2	105.8	105.8
15°	199.2	189.6	170.4	152.5	137.4	125.0	118.1	115.4	114.0	114.0	114.0
17.5°	225.3	211.6	189.6	166.2	148.4	134.6	127.8	125.0	123.6	123.6	123.6
20°	254.2	239.0	208.8	181.3	159.4	147.0	138.8	136.0	134.6	134.6	134.6
22.5°	285.8	269.3	229.4	195.1	173.1	159.4	151.1	147.0	148.4	148.4	148.4
25°	321.5	298.1	251.4	211.6	185.5	171.7	163.5	159.4	162.1	163.5	163.5
27.5°	361.3	329.7	272.0	226.7	199.2	182.7	175.9	173.1	177.2	178.6	180.0
30°	399.8	364.1	292.6	243.2	210.2	193.7	186.8	188.2	191.0	193.7	196.5
32.5°	442.4	395.7	314.6	256.9	221.2	202.0	197.8	202.0	207.4	210.2	211.6
35°	483.6	428.6	331.1	269.3	229.4	210.2	207.4	214.3	221.2	226.7	226.7
37.5°	524.8	458.9	349.0	278.9	236.3	215.7	215.7	225.3	233.6	240.4	240.4
40°	567.4	491.8	364.1	287.1	241.8	221.2	222.6	234.9	245.9	250.0	251.4
42.5°	611.4	519.3	376.4	292.6	244.5	225.3	228.1	243.2	254.2	258.3	259.7
45°	653.9	548.2	386.0	295.4	247.3	226.7	230.8	248.7	259.7	263.8	263.8
47.5°	693.8	572.9	392.9	296.7	247.3	226.7	233.6	251.4	263.8	265.1	265.1
50°	736.4	597.6	398.4	296.7	245.9	226.7	233.6	252.8	263.8	263.8	263.8
52.5°	777.6	619.6	401.2	294.0	243.2	225.3	232.2	251.4	262.4	259.7	259.7
55°	816.1	637.5	399.8	289.9	239.0	221.2	229.4	248.7	258.3	254.2	254.2
57.5°	847.7	652.6	397.0	284.4	234.9	217.1	225.3	244.5	252.8	247.3	245.9
60°	875.1	662.2	391.5	277.5	228.1	211.6	221.2	239.0	245.9	239.0	237.7
62.5°	890.2	666.3	383.3	267.9	222.6	206.1	214.3	232.2	237.7	229.4	229.4
65°	895.7	660.8	370.9	258.3	214.3	200.6	207.4	223.9	228.1	221.2	219.8
67.5°	882.0	645.7	355.8	248.7	206.1	192.3	199.2	214.3	218.4	211.6	210.2
70°	853.1	616.8	336.6	234.9	196.5	184.1	189.6	202.0	207.4	202.0	200.6
72.5°	799.6	581.1	314.6	221.2	185.5	174.5	180.0	191.0	196.5	191.0	189.6
75°	736.4	534.4	289.9	206.1	174.5	164.9	169.0	177.2	182.7	180.0	177.2
77.5°	652.6	478.1	263.8	191.0	163.5	153.9	156.6	164.9	169.0	166.2	166.2
80°	564.6	416.3	237.7	174.5	152.5	144.3	144.3	151.1	155.2	153.9	151.1
82.5°	479.5	355.8	210.2	158.0	138.8	131.9	133.3	136.0	141.5	138.8	137.4
85°	394.3	302.2	184.1	142.9	126.4	120.9	120.9	122.3	126.4	125.0	123.6
87.5°	322.8	248.7	160.7	126.4	114.0	109.9	107.2	109.9	109.9	109.9	107.2
90°	262.4	206.1	138.8	112.7	104.4	98.9	96.2	96.2	96.2	94.8	93.4
92.5°	208.8	170.4	120.9	100.3	93.4	89.3	86.6	85.2	83.8	81.1	81.1
95°	171.7	140.1	104.4	87.9	83.8	79.7	76.9	75.6	72.8	70.1	68.7
97.5°	136.0	116.8	89.3	78.3	74.2	71.4	68.7	65.9	61.8	59.1	57.7
100°	108.5	94.8	76.9	68.7	65.9	63.2	60.4	57.7	53.6	49.5	48.1
102.5°	89.3	79.7	65.9	61.8	59.1	56.3	55.0	50.8	45.3	41.2	41.2
105°	72.8	65.9	57.7	53.6	52.2	50.8	48.1	44.0	38.5	34.3	34.3
107.5°	60.4	56.3	49.5	48.1	46.7	45.3	42.6	38.5	33.0	28.9	28.9
110°	50.8	46.7	42.6	41.2	41.2	39.8	38.5	33.0	28.9	24.7	24.7

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CATALOG NUMBER: LXF.LXT-PA16-40-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	42.6	39.8	38.5	37.1	37.1	35.7	34.3	28.9	24.7	22.0	22.0
115°	35.7	34.3	33.0	33.0	33.0	31.6	30.2	26.1	20.6	19.2	19.2
117.5°	31.6	30.2	28.9	28.9	28.9	28.9	26.1	22.0	17.9	16.5	16.5
120°	27.5	27.5	26.1	26.1	26.1	24.7	23.4	19.2	15.1	15.1	15.1
122.5°	24.7	23.4	23.4	23.4	23.4	22.0	19.2	16.5	13.7	13.7	13.7
125°	22.0	20.6	20.6	20.6	20.6	19.2	16.5	13.7	12.4	12.4	12.4
127.5°	19.2	19.2	17.9	17.9	17.9	16.5	15.1	12.4	11.0	11.0	11.0
130°	16.5	16.5	16.5	16.5	15.1	13.7	12.4	11.0	9.6	9.6	9.6
132.5°	15.1	15.1	13.7	13.7	13.7	12.4	11.0	9.6	8.2	9.6	9.6
135°	12.4	12.4	12.4	12.4	11.0	9.6	9.6	8.2	8.2	8.2	8.2
137.5°	11.0	11.0	11.0	9.6	9.6	8.2	8.2	6.9	6.9	6.9	8.2
140°	9.6	9.6	8.2	8.2	6.9	6.9	6.9	5.5	6.9	6.9	6.9
142.5°	8.2	8.2	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	5.5	5.5	5.5
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)