

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: P414877

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414877
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-PA1-30-830-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 2857 lumens
Efficiency: N/A
Efficacy: 92.2 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

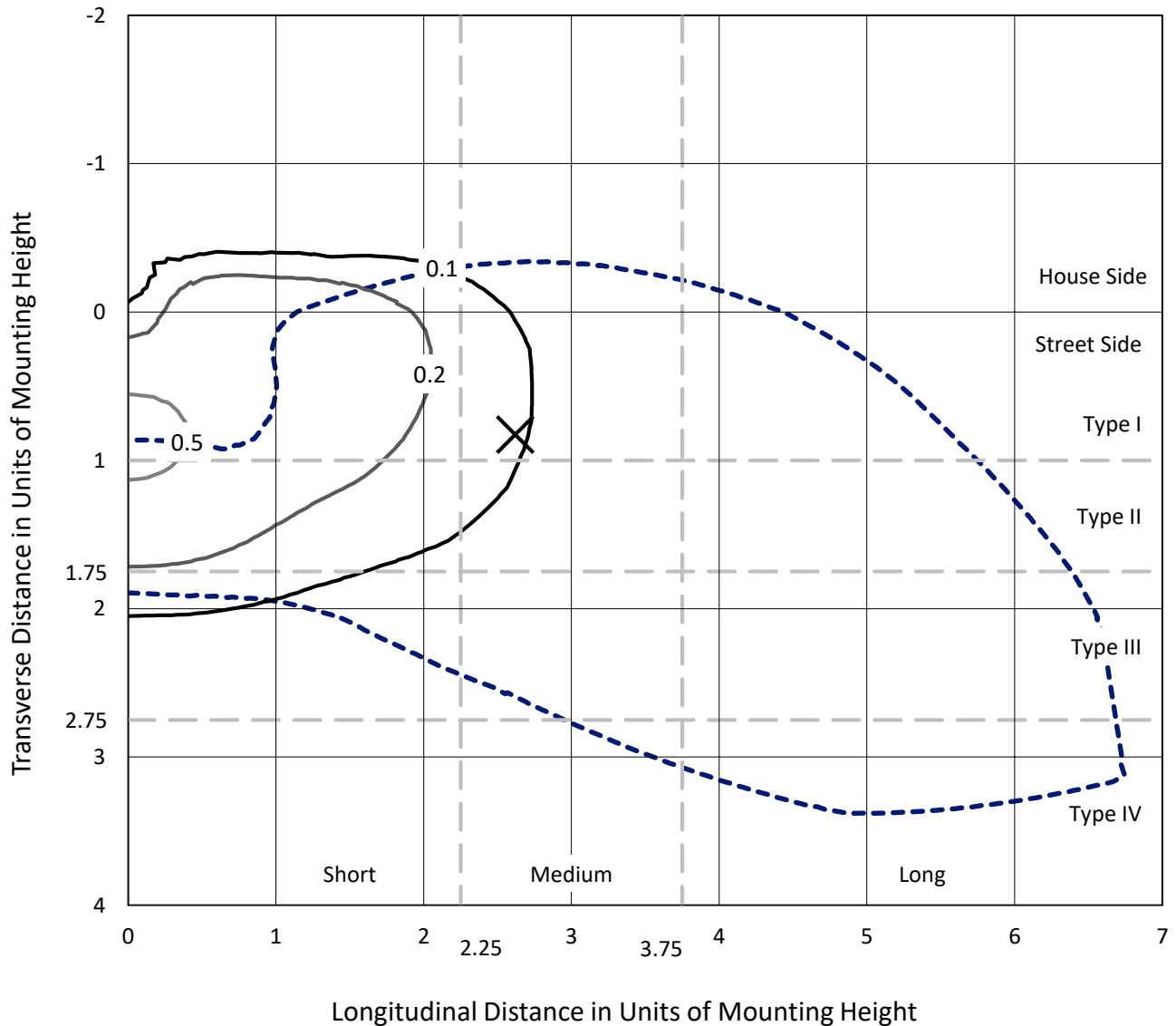
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

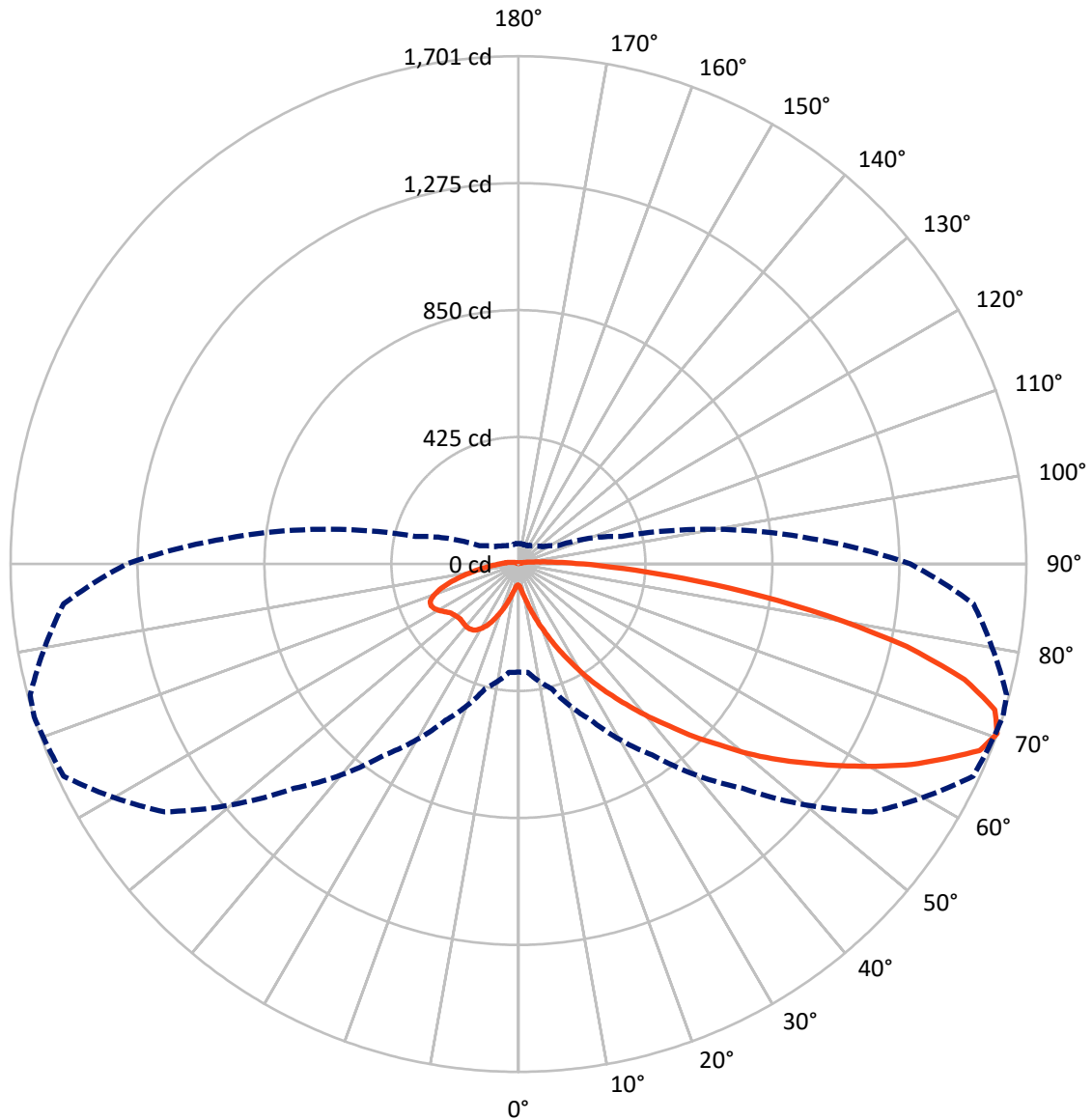


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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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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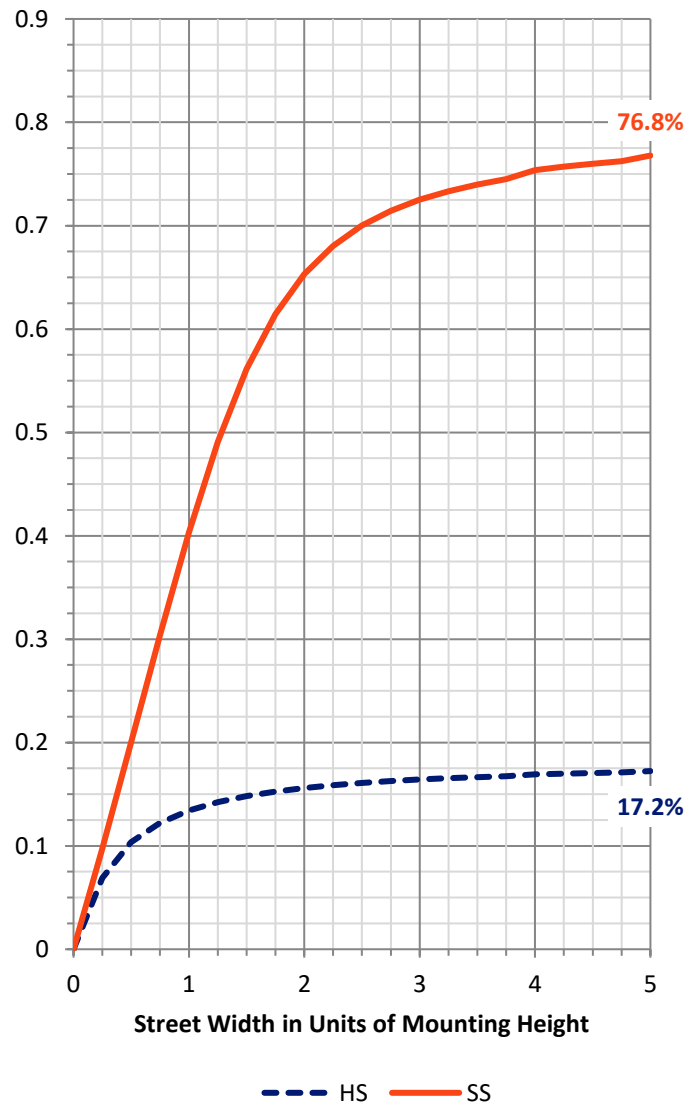
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	513.6	46.6	560.2
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	2243.0	53.8	2296.8
	% Fixture	78.5	1.9	80.4
Total	Lumens	2756.6	100.4	2857.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	38.7	1.4
20°-30°	107.9	3.8
30°-40°	223.8	7.8
40°-50°	386.5	13.5
50°-60°	570.8	20.0
60°-70°	673.7	23.6
70°-80°	534.7	18.7
80°-90°	212.6	7.4
90°-100°	56.2	2.0
100°-110°	21.7	0.8
110°-120°	10.6	0.4
120°-130°	6.0	0.2
130°-140°	3.5	0.1
140°-150°	1.7	0.1
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2756.6	96.5
0°-180°	2857.0	100.0

Coefficient of Utilization



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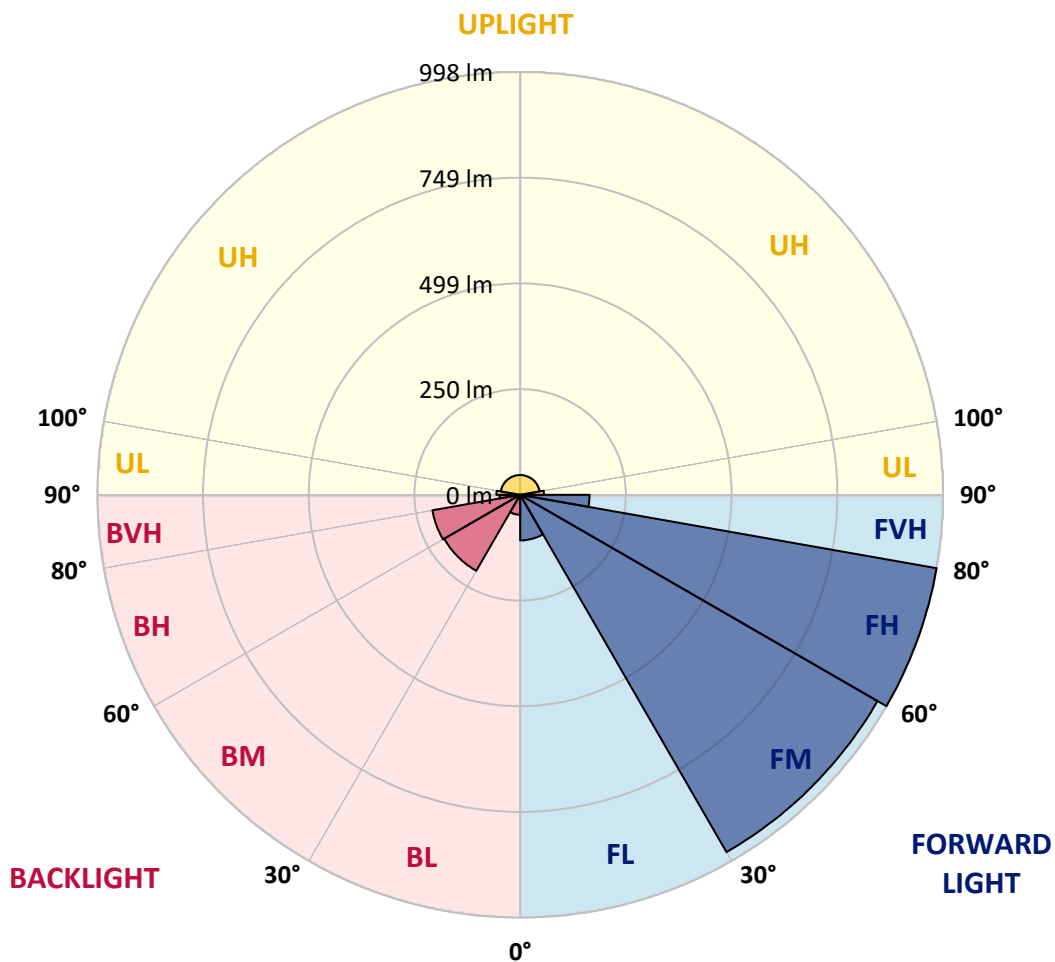
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.5	3.8			
FM (30°-60°)	973.8	34.1			
FH (60°-80°)	998.0	34.9			G1/1800
FVH (80°-90°)	163.7	5.7			G2/225
BL (0°-30°)	47.1	1.6	B0/110		
BM (30°-60°)	207.2	7.3	B0/220		
BH (60°-80°)	210.4	7.4	B1/500		G1/500
BVH (80°-90°)	48.9	1.7			G1/100
UL (90°-100°)	56.2	2.0		U3/500	
UH (100°-180°)	46.6	1.6		U2/50	

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°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	80.3	80.6	80.3	80.3	79.6	79.3	77.3	75.9	74.9	74.2	73.2
5°	93.1	93.7	93.4	93.4	91.7	90.7	88.3	85.7	83.6	83.3	80.3
7.5°	110.2	109.8	108.5	108.2	107.5	105.8	102.5	98.4	96.4	95.7	91.4
10°	131.3	129.7	130.3	128.0	126.6	124.0	120.9	117.9	113.9	113.9	107.8
12.5°	152.5	156.2	155.2	151.8	149.2	144.8	141.1	140.1	135.4	136.1	130.3
15°	187.1	186.8	183.8	181.4	176.0	170.7	167.3	164.9	163.6	162.6	156.2
17.5°	223.7	221.7	219.4	212.3	204.6	199.9	196.9	194.5	196.2	195.8	188.1
20°	266.1	263.7	260.3	247.6	237.5	230.1	228.4	231.1	232.1	234.8	227.1
22.5°	313.1	312.1	304.0	289.6	272.4	262.7	261.0	267.4	275.1	276.5	271.1
25°	369.5	368.2	357.1	336.3	313.8	299.0	299.0	309.1	321.8	324.8	322.2
27.5°	430.0	426.6	412.2	386.7	355.7	336.6	334.2	352.4	370.2	378.9	375.6
30°	499.5	498.9	475.0	443.8	406.8	376.2	375.2	401.8	427.0	431.0	431.7
32.5°	571.1	576.8	549.2	502.5	457.9	421.9	420.2	450.1	485.1	492.1	492.1
35°	653.7	654.1	620.1	573.8	512.6	471.6	466.9	502.5	541.5	551.3	556.6
37.5°	737.0	735.0	704.4	640.6	572.1	522.7	518.3	560.3	604.7	620.5	619.5
40°	819.0	824.7	786.1	715.5	632.9	582.8	572.1	621.5	672.5	690.3	683.3
42.5°	907.3	906.0	871.4	792.8	700.7	641.0	634.6	685.6	742.4	762.6	756.2
45°	984.6	983.9	946.3	867.7	765.6	708.1	699.4	753.5	824.7	843.5	830.4
47.5°	1055.8	1054.1	1015.2	935.2	822.4	772.3	773.0	828.4	904.0	934.9	914.7
50°	1110.9	1105.2	1080.7	994.3	883.8	839.8	852.6	917.8	998.4	1026.3	1004.4
52.5°	1140.5	1131.7	1112.6	1035.7	941.9	906.7	931.2	1008.5	1088.1	1114.6	1090.8
55°	1126.4	1126.4	1115.6	1060.9	983.3	967.8	1017.2	1095.1	1178.1	1207.3	1186.2
57.5°	1069.6	1078.3	1083.4	1054.1	1011.8	1028.3	1106.5	1193.9	1273.5	1305.8	1277.9
60°	970.2	972.5	1009.5	1017.9	1023.2	1079.7	1199.3	1303.4	1375.0	1400.5	1368.9
62.5°	829.4	840.5	885.5	947.7	1006.4	1122.3	1296.7	1413.6	1478.1	1495.2	1449.2
65°	672.9	670.2	753.5	846.5	960.1	1134.8	1375.3	1520.4	1570.5	1593.3	1513.4
67.5°	510.3	508.6	585.5	721.9	881.5	1121.7	1439.1	1611.1	1666.2	1666.9	1553.7
70°	361.8	364.5	432.7	577.5	780.0	1061.9	1446.8	1680.3	1700.5	1692.4	1529.1
72.5°	245.6	247.6	312.4	442.4	645.7	965.1	1382.3	1672.9	1668.2	1645.7	1428.4
75°	158.2	171.7	219.7	336.3	522.7	825.7	1257.0	1567.1	1542.6	1505.3	1253.3
77.5°	109.2	115.9	152.8	244.9	408.5	681.9	1079.3	1354.5	1328.9	1283.2	1010.5
80°	73.9	76.9	105.1	183.1	321.5	536.1	879.5	1090.4	1046.4	999.4	757.9
82.5°	49.4	55.1	75.6	131.3	243.2	413.9	668.8	832.8	762.9	722.2	532.4
85°	32.9	35.9	53.7	95.4	176.0	301.3	481.4	565.7	504.2	468.3	340.3
87.5°	22.2	24.9	38.3	68.2	130.3	219.0	322.5	365.5	316.1	293.6	205.9
90°	14.8	16.5	28.2	49.0	92.0	152.8	217.7	225.7	193.8	180.1	126.0
92.5°	10.4	12.1	21.2	36.3	64.5	106.2	139.7	136.7	114.2	107.5	81.3
95°	8.1	9.4	16.5	27.9	47.0	72.9	91.0	83.3	72.2	69.9	56.1
97.5°	7.1	7.7	13.8	22.5	35.6	51.7	59.1	56.4	48.7	47.4	41.0
100°	6.4	7.1	12.1	19.5	28.6	38.0	42.3	39.3	35.3	34.3	30.2
102.5°	6.0	6.4	10.7	16.8	23.5	29.9	32.6	29.2	26.2	25.9	23.2
105°	5.7	6.0	9.4	14.4	19.8	24.5	25.5	22.8	20.5	19.5	17.5
107.5°	5.4	5.4	8.4	12.8	17.1	20.5	21.2	18.5	15.8	15.1	13.8
110°	5.0	5.4	7.7	11.4	15.1	17.8	17.8	15.1	12.4	11.8	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.0	5.0	7.1	10.1	13.4	15.5	15.1	12.4	10.1	9.1	9.1
115°	4.7	5.0	6.7	9.4	12.1	13.4	12.8	10.4	8.1	7.4	7.7
117.5°	4.7	5.0	6.0	8.4	10.7	11.8	11.1	8.7	6.7	6.4	7.1
120°	4.7	5.0	6.0	7.7	9.4	10.4	9.7	7.4	6.0	5.7	6.4
122.5°	5.0	5.0	5.7	7.1	8.7	9.4	8.4	6.4	5.4	5.0	5.7
125°	5.0	5.0	5.7	6.7	8.1	8.4	7.4	5.7	4.7	4.7	5.4
127.5°	5.0	5.0	5.7	6.4	7.4	7.4	6.7	5.0	4.4	4.4	5.0
130°	5.0	5.0	5.4	6.0	6.7	6.7	5.7	4.4	4.0	4.0	4.7
132.5°	5.4	5.4	5.4	5.7	6.0	6.0	5.0	4.0	3.7	3.7	4.7
135°	5.0	5.0	5.0	5.4	5.4	5.4	4.4	3.7	3.4	3.7	4.4
137.5°	4.7	4.7	5.0	5.0	5.0	4.7	3.7	3.0	3.0	3.4	4.0
140°	4.7	4.4	4.7	4.7	4.4	4.0	3.4	2.7	2.7	3.0	3.4
142.5°	4.0	4.0	4.0	4.0	3.7	3.4	2.7	2.4	2.7	2.7	3.0
145°	3.7	3.7	3.7	3.4	3.4	2.7	2.0	2.0	2.0	2.4	2.7
147.5°	3.0	3.0	3.0	3.0	2.7	2.4	1.3	1.7	1.7	1.7	2.0
150°	2.4	2.4	2.7	2.4	2.0	1.7	1.0	1.3	1.7	1.7	1.7
152.5°	2.0	2.0	2.0	2.0	1.7	1.0	1.0	1.3	1.3	1.3	1.7
155°	1.3	1.3	1.3	1.3	1.0	0.7	1.0	1.0	1.3	1.3	1.3
157.5°	0.7	0.7	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.0
160°	0.0	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
162.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
165°	0.0	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
167.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
170°	0.0	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
172.5°	0.0	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
175°	0.0	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
177.5°	0.0	0.3	0.7	0.7	1.0	0.7	0.7	0.7	0.7	0.7	1.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	72.6	71.9	70.5	69.2	68.2	67.2	66.5	65.5	64.8	64.8	64.8
5°	78.3	77.6	74.2	70.9	67.9	65.2	63.2	60.8	59.8	58.8	59.1
7.5°	89.7	87.3	82.0	76.3	71.2	65.8	61.8	58.5	56.4	55.1	55.1
10°	105.1	101.5	93.4	84.7	76.3	68.5	62.5	57.8	54.4	53.1	53.1
12.5°	125.0	121.3	108.8	95.7	83.0	71.9	64.2	58.1	54.4	52.7	52.7
15°	151.5	145.1	128.3	109.5	91.0	75.9	65.8	60.8	58.5	57.4	57.4
17.5°	183.1	173.7	151.8	123.6	99.1	80.0	70.2	65.5	63.5	63.2	63.2
20°	220.0	208.3	175.4	137.7	105.5	85.0	73.9	69.9	69.2	69.5	69.5
22.5°	262.0	244.9	199.5	150.5	111.5	88.0	76.6	73.2	73.9	75.6	75.2
25°	306.4	288.2	226.1	161.9	115.6	89.4	78.3	76.3	78.9	81.0	81.0
27.5°	358.1	329.9	250.3	170.0	116.6	88.3	78.6	77.6	81.3	84.3	85.0
30°	410.8	374.6	271.1	175.0	114.6	86.0	77.3	77.9	82.3	86.3	86.7
32.5°	464.3	416.9	288.2	176.0	111.2	83.0	75.9	77.3	82.0	86.3	87.0
35°	517.3	456.5	299.6	172.3	105.8	80.0	73.6	75.9	80.6	85.7	86.3
37.5°	569.4	494.1	306.7	166.3	100.4	77.3	71.9	74.2	78.9	84.7	85.3
40°	626.2	534.5	310.7	159.2	95.1	74.9	70.9	73.2	77.9	83.3	84.3
42.5°	678.2	571.4	311.1	150.5	91.0	73.9	70.2	72.2	76.6	82.3	83.3
45°	746.1	609.4	311.1	143.1	88.3	73.6	70.2	71.9	75.9	82.0	83.3
47.5°	810.3	653.0	311.7	136.7	87.0	74.2	70.9	71.6	74.9	82.0	83.3
50°	884.8	695.0	317.1	132.0	86.7	75.6	71.9	71.2	73.9	81.3	83.0
52.5°	959.1	750.5	323.8	128.7	87.3	76.9	72.6	71.2	72.9	79.6	81.6
55°	1040.4	803.2	331.2	129.0	88.7	78.3	73.6	70.9	71.6	76.9	78.9
57.5°	1121.7	865.0	347.3	131.0	90.4	80.0	74.6	70.9	69.9	73.9	75.6
60°	1192.9	919.4	364.1	135.4	92.7	81.6	75.2	70.5	68.5	70.9	72.2
62.5°	1268.1	978.9	377.6	139.1	95.4	83.0	75.2	70.2	67.5	69.2	69.9
65°	1317.2	1014.2	384.6	143.8	98.1	84.0	75.6	69.5	67.2	68.2	68.9
67.5°	1342.4	1019.9	379.9	145.5	100.4	84.7	75.2	68.9	67.5	68.2	68.9
70°	1312.5	981.9	357.4	144.4	101.1	84.7	74.6	68.2	67.5	68.5	68.9
72.5°	1204.3	890.5	324.2	139.4	100.1	83.3	73.6	67.2	67.2	68.9	68.9
75°	1037.0	759.2	280.5	131.7	97.4	81.3	71.6	65.5	66.2	68.5	68.5
77.5°	830.4	600.6	231.1	120.6	92.4	77.9	68.9	63.2	64.8	67.5	67.2
80°	618.1	447.5	186.1	108.2	85.7	73.2	65.2	60.5	62.8	65.2	64.5
82.5°	411.8	314.1	147.1	95.1	78.6	68.5	61.1	56.8	59.8	62.1	61.1
85°	267.4	209.3	113.9	82.0	71.2	63.2	56.1	52.7	55.8	57.8	56.8
87.5°	166.6	140.4	86.7	69.9	63.5	57.1	51.7	48.0	51.1	53.1	51.7
90°	110.2	94.1	68.2	60.5	56.4	51.4	46.4	43.7	46.7	47.4	46.4
92.5°	72.6	66.5	55.4	51.7	49.7	45.7	42.0	39.6	42.0	42.3	41.7
95°	52.1	50.4	45.7	45.0	44.0	40.6	37.6	35.6	37.0	37.3	35.9
97.5°	39.6	39.3	39.0	39.0	38.3	35.9	33.3	31.6	32.2	31.9	30.9
100°	30.9	31.6	32.6	33.3	32.9	31.2	29.2	27.9	28.2	26.9	25.9
102.5°	24.2	25.5	27.2	28.2	28.2	26.9	25.9	24.5	23.5	21.8	21.5
105°	19.1	20.2	22.5	24.2	24.2	23.5	22.5	20.8	19.8	17.8	17.8
107.5°	15.1	16.5	19.1	20.5	20.8	20.2	19.5	18.1	16.5	14.4	14.4
110°	12.1	13.1	16.1	17.5	17.8	17.5	16.8	15.1	13.4	12.1	12.1



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	11.1	13.4	14.8	15.5	15.1	14.4	12.8	11.1	10.1	10.1
115°	8.7	9.7	11.4	12.8	13.1	13.1	12.1	11.1	9.1	8.7	8.7
117.5°	7.7	8.4	10.1	11.1	11.8	11.4	10.4	9.4	8.1	7.7	7.7
120°	7.1	7.7	9.1	10.1	10.1	9.7	9.1	8.1	7.1	6.7	7.1
122.5°	6.4	7.1	8.1	8.7	8.7	8.7	8.1	7.1	6.0	6.0	6.4
125°	6.0	6.4	7.4	7.7	8.1	7.7	7.1	6.0	5.4	5.7	5.7
127.5°	5.7	6.0	6.7	7.1	7.1	6.7	6.0	5.4	4.7	5.0	5.4
130°	5.4	5.7	6.0	6.4	6.4	6.0	5.4	4.7	4.4	4.7	4.7
132.5°	4.7	5.0	5.4	5.7	5.4	5.4	4.7	4.0	4.0	4.4	4.4
135°	4.4	4.7	4.7	5.0	4.7	4.7	4.0	3.7	3.7	4.0	4.0
137.5°	4.0	4.4	4.4	4.4	4.0	4.0	3.7	3.4	3.4	3.4	3.7
140°	3.7	3.7	3.7	3.7	3.4	3.4	3.0	2.7	3.0	3.0	3.0
142.5°	3.4	3.4	3.4	3.0	3.0	2.7	2.4	2.4	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.4	2.4	2.0	2.0	2.0	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.0	1.7	1.7	1.7	1.7	2.0	2.0	2.0
150°	2.0	2.0	2.0	1.7	1.3	1.3	1.0	1.3	1.7	1.7	1.7
152.5°	1.7	1.7	1.7	1.7	1.3	0.7	1.0	1.3	1.3	1.3	1.3
155°	1.3	1.3	1.7	1.3	1.0	0.3	0.7	1.0	1.0	1.0	1.0
157.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.7	0.7	1.0	0.7	1.0
160°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.7	0.7	0.7
162.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.7	0.3	0.3	0.3
165°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
170°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
175°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	1.0	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)