

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: P414617

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414617
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-PA1-30-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 3275 lumens
Efficiency: N/A
Efficacy: 105.6 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

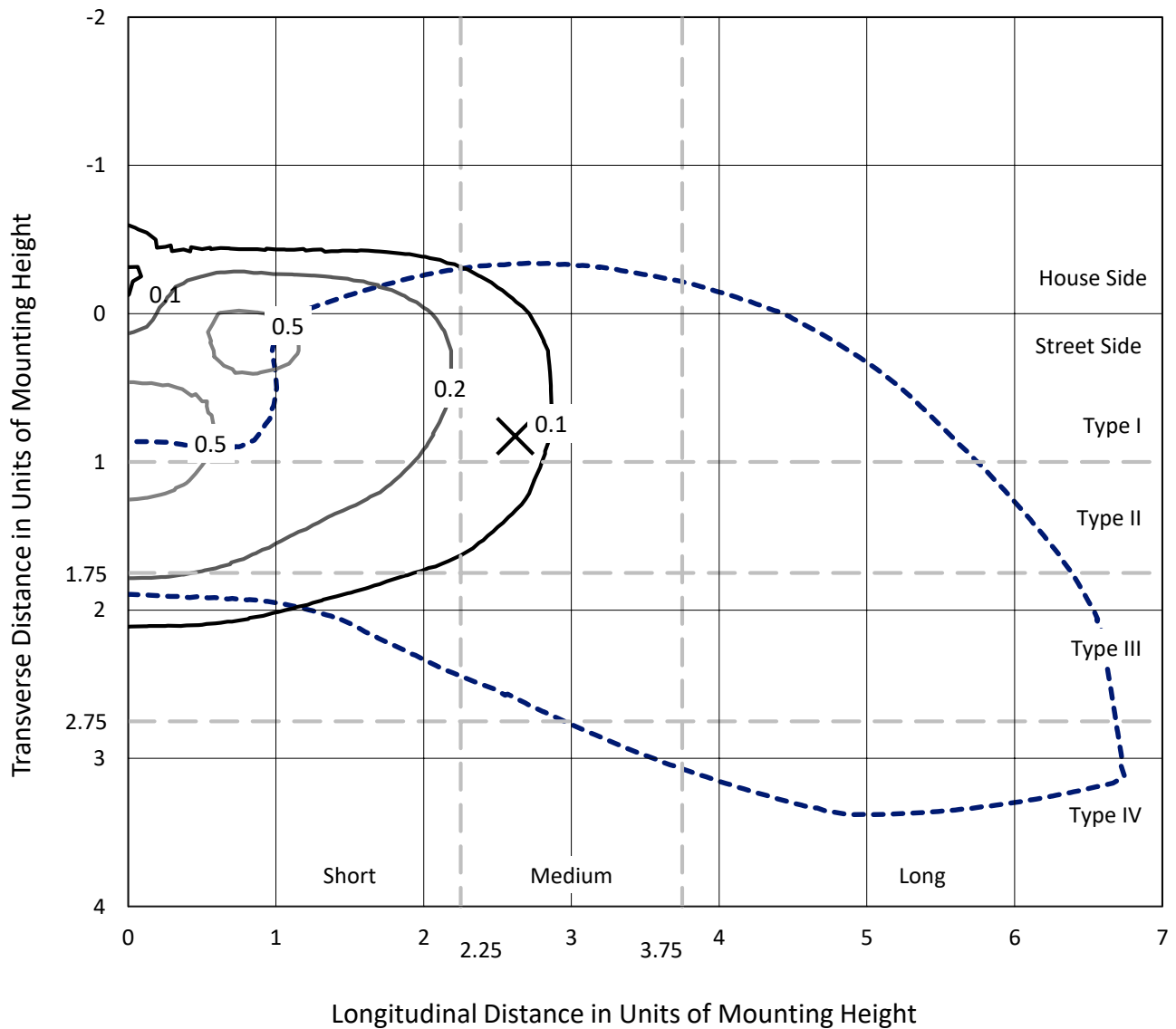
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

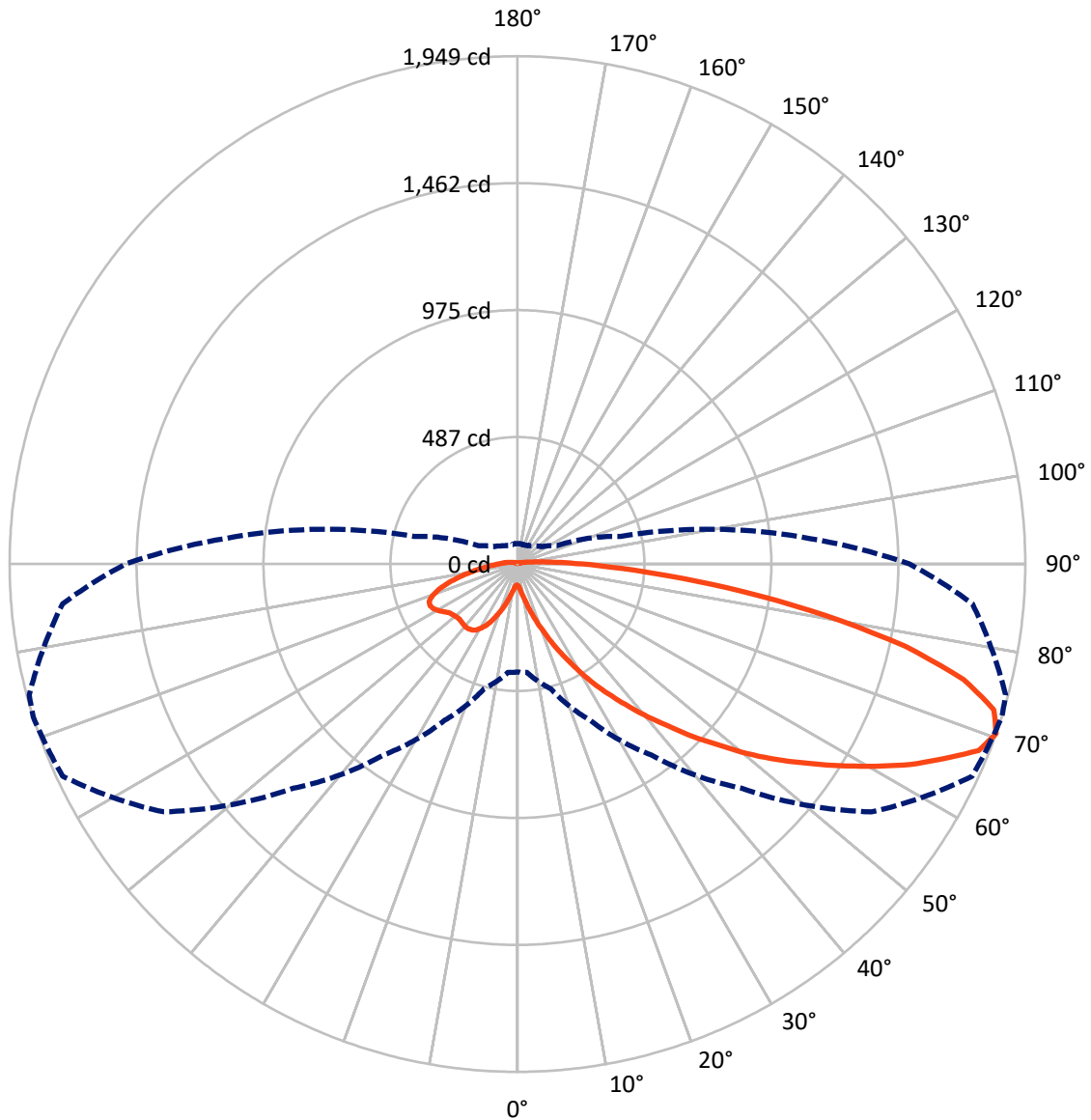
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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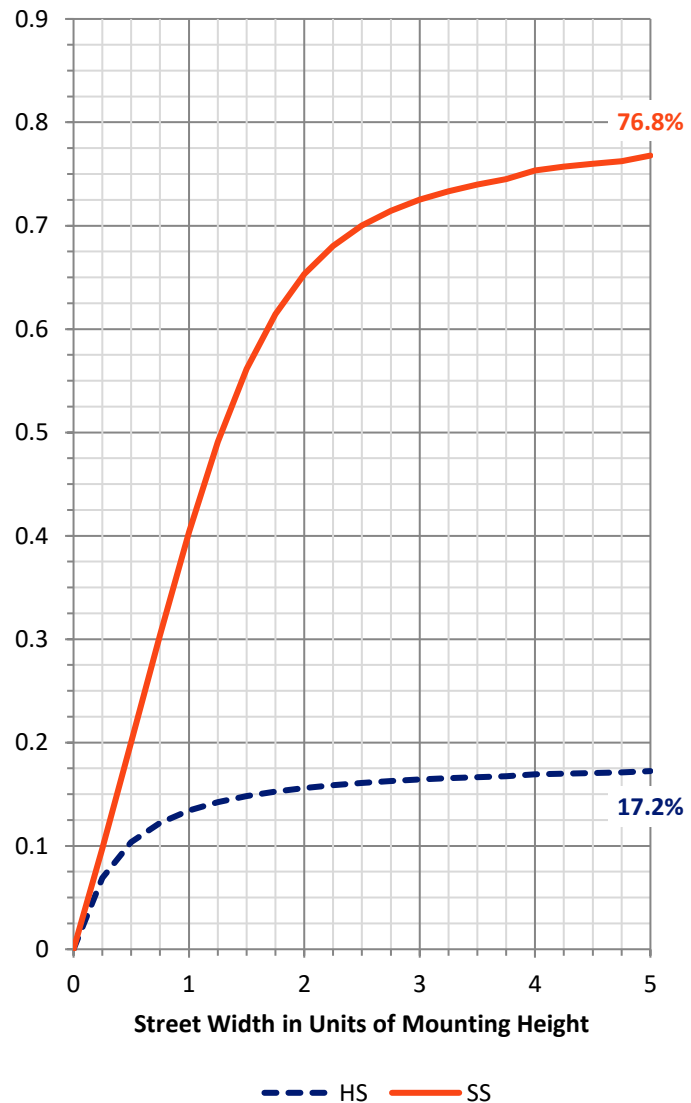
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.7	53.4	642.2
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	2571.2	61.7	2632.9
	% Fixture	78.5	1.9	80.4
Total	Lumens	3159.9	115.1	3275.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.3
10°-20°	44.3	1.4
20°-30°	123.7	3.8
30°-40°	256.5	7.8
40°-50°	443.0	13.5
50°-60°	654.3	20.0
60°-70°	772.3	23.6
70°-80°	612.9	18.7
80°-90°	243.7	7.4
90°-100°	64.4	2.0
100°-110°	24.9	0.8
110°-120°	12.1	0.4
120°-130°	6.9	0.2
130°-140°	4.0	0.1
140°-150°	1.9	0.1
150°-160°	0.6	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	3159.9	96.5
0°-180°	3275.0	100.0



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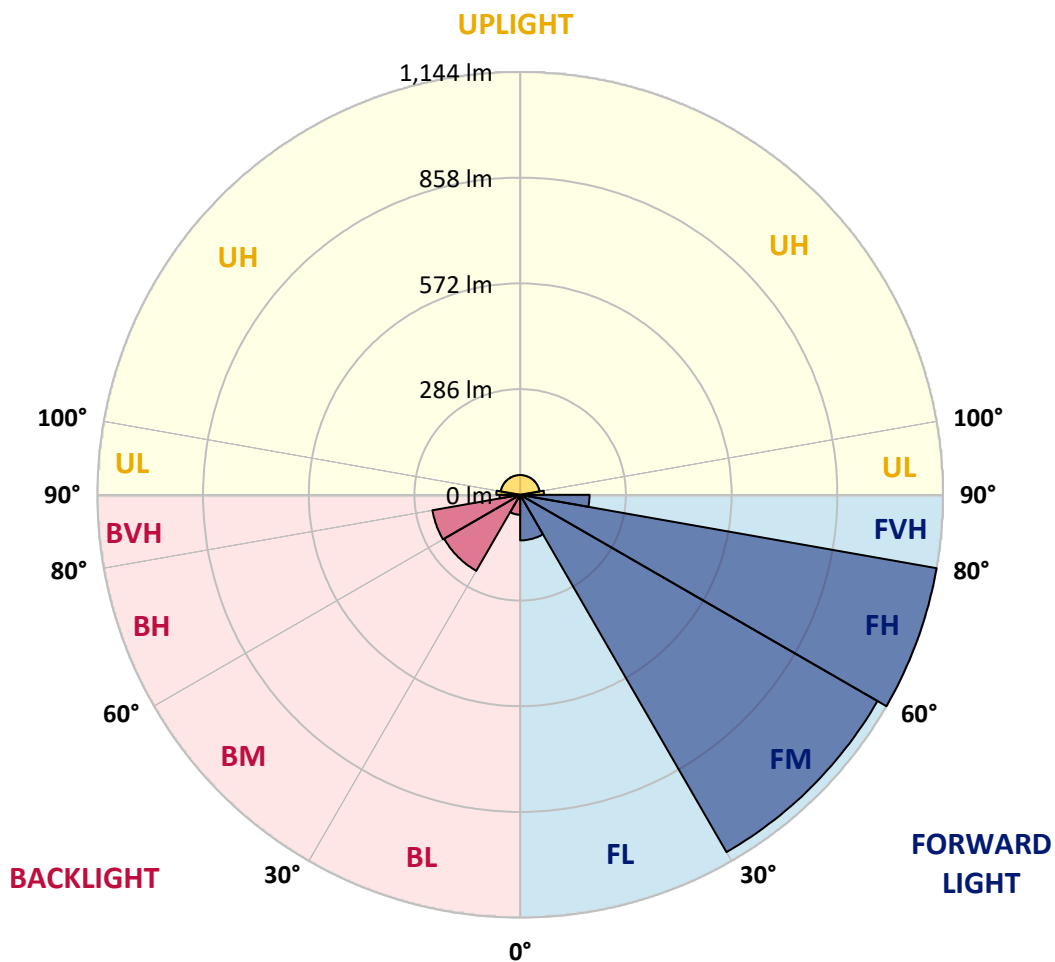
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.3	3.8			
FM (30°-60°)	1116.3	34.1			
FH (60°-80°)	1144.0	34.9			G1/1800
FVH (80°-90°)	187.6	5.7			G2/225
BL (0°-30°)	54.0	1.6	B0/110		
BM (30°-60°)	237.6	7.3	B1/1000		
BH (60°-80°)	241.1	7.4	B1/500		G1/500
BVH (80°-90°)	56.0	1.7			G1/100
UL (90°-100°)	64.4	2.0		U3/500	
UH (100°-180°)	53.4	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°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	92.0	92.4	92.0	92.0	91.3	90.9	88.6	87.0	85.9	85.1	83.9
5°	106.7	107.4	107.1	107.1	105.1	104.0	101.3	98.2	95.9	95.5	92.0
7.5°	126.3	125.9	124.4	124.0	123.2	121.3	117.4	112.8	110.5	109.7	104.7
10°	150.6	148.6	149.4	146.7	145.2	142.1	138.6	135.2	130.5	130.5	123.6
12.5°	174.8	179.1	177.9	174.1	171.0	166.0	161.7	160.6	155.2	156.0	149.4
15°	214.5	214.1	210.6	207.9	201.8	195.6	191.8	189.1	187.5	186.4	179.1
17.5°	256.5	254.2	251.5	243.4	234.5	229.1	225.7	223.0	224.9	224.5	215.6
20°	305.0	302.3	298.4	283.8	272.2	263.8	261.9	264.9	266.1	269.2	260.3
22.5°	358.9	357.7	348.5	331.9	312.3	301.1	299.2	306.5	315.4	316.9	310.8
25°	423.6	422.0	409.3	385.5	359.7	342.7	342.7	354.3	368.9	372.4	369.3
27.5°	492.9	489.0	472.5	443.2	407.8	385.8	383.2	403.9	424.4	434.4	430.5
30°	572.6	571.8	544.5	508.7	466.3	431.3	430.1	460.6	489.4	494.1	494.8
32.5°	654.6	661.2	629.6	576.1	524.9	483.7	481.7	516.0	556.1	564.1	564.1
35°	749.4	749.7	710.9	657.7	587.6	540.6	535.3	576.1	620.7	631.9	638.1
37.5°	844.9	842.5	807.5	734.3	655.8	599.2	594.2	642.3	693.1	711.2	710.1
40°	938.8	945.4	901.1	820.2	725.5	668.1	655.8	712.4	770.9	791.3	783.2
42.5°	1040.1	1038.6	998.9	908.8	803.3	734.7	727.4	785.9	851.0	874.1	866.8
45°	1128.7	1127.9	1084.8	994.7	877.6	811.7	801.7	863.7	945.4	966.9	951.9
47.5°	1210.3	1208.4	1163.7	1072.1	942.7	885.3	886.1	949.6	1036.2	1071.7	1048.6
50°	1273.4	1266.9	1238.8	1139.8	1013.1	962.7	977.3	1052.0	1144.4	1176.4	1151.4
52.5°	1307.3	1297.3	1275.4	1187.2	1079.8	1039.3	1067.4	1156.0	1247.3	1277.7	1250.3
55°	1291.2	1291.2	1278.8	1216.1	1127.1	1109.4	1166.0	1255.3	1350.5	1384.0	1359.7
57.5°	1226.1	1236.1	1241.9	1208.4	1159.9	1178.7	1268.4	1368.6	1459.8	1496.8	1464.8
60°	1112.1	1114.8	1157.2	1166.8	1172.9	1237.6	1374.7	1494.1	1576.1	1605.4	1569.2
62.5°	950.8	963.5	1015.1	1086.3	1153.7	1286.5	1486.4	1620.4	1694.3	1714.0	1661.2
65°	771.3	768.2	863.7	970.4	1100.5	1300.8	1576.5	1742.9	1800.2	1826.4	1734.8
67.5°	584.9	583.0	671.2	827.5	1010.4	1285.8	1649.7	1846.8	1910.0	1910.7	1781.0
70°	414.7	417.8	496.0	661.9	894.1	1217.2	1658.5	1926.2	1949.3	1940.0	1752.9
72.5°	281.5	283.8	358.1	507.1	740.1	1106.3	1584.6	1917.7	1912.3	1886.5	1637.3
75°	181.4	196.8	251.8	385.5	599.2	946.5	1441.0	1796.4	1768.3	1725.5	1436.7
77.5°	125.1	132.9	175.2	280.7	468.3	781.7	1237.3	1552.6	1523.4	1471.0	1158.3
80°	84.7	88.2	120.5	209.9	368.5	614.6	1008.1	1250.0	1199.5	1145.6	868.7
82.5°	56.6	63.2	86.6	150.6	278.8	474.4	766.7	954.6	874.5	827.9	610.3
85°	37.7	41.2	61.6	109.4	201.8	345.4	551.8	648.5	578.0	536.8	390.1
87.5°	25.4	28.5	43.9	78.2	149.4	251.1	369.7	419.0	362.4	336.6	236.1
90°	16.9	18.9	32.3	56.2	105.5	175.2	249.5	258.8	222.2	206.4	144.4
92.5°	11.9	13.9	24.3	41.6	73.9	121.7	160.2	156.7	130.9	123.2	93.2
95°	9.2	10.8	18.9	32.0	53.9	83.6	104.4	95.5	82.8	80.1	64.3
97.5°	8.1	8.9	15.8	25.8	40.8	59.3	67.8	64.7	55.8	54.3	47.0
100°	7.3	8.1	13.9	22.3	32.7	43.5	48.5	45.1	40.4	39.3	34.7
102.5°	6.9	7.3	12.3	19.3	27.0	34.3	37.4	33.5	30.0	29.7	26.6
105°	6.5	6.9	10.8	16.6	22.7	28.1	29.3	26.2	23.5	22.3	20.0
107.5°	6.2	6.2	9.6	14.6	19.6	23.5	24.3	21.2	18.1	17.3	15.8
110°	5.8	6.2	8.9	13.1	17.3	20.4	20.4	17.3	14.2	13.5	12.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.8	5.8	8.1	11.6	15.4	17.7	17.3	14.2	11.6	10.4	10.4
115°	5.4	5.8	7.7	10.8	13.9	15.4	14.6	11.9	9.2	8.5	8.9
117.5°	5.4	5.8	6.9	9.6	12.3	13.5	12.7	10.0	7.7	7.3	8.1
120°	5.4	5.8	6.9	8.9	10.8	11.9	11.2	8.5	6.9	6.5	7.3
122.5°	5.8	5.8	6.5	8.1	10.0	10.8	9.6	7.3	6.2	5.8	6.5
125°	5.8	5.8	6.5	7.7	9.2	9.6	8.5	6.5	5.4	5.4	6.2
127.5°	5.8	5.8	6.5	7.3	8.5	8.5	7.7	5.8	5.0	5.0	5.8
130°	5.8	5.8	6.2	6.9	7.7	7.7	6.5	5.0	4.6	4.6	5.4
132.5°	6.2	6.2	6.2	6.5	6.9	6.9	5.8	4.6	4.2	4.2	5.4
135°	5.8	5.8	5.8	6.2	6.2	6.2	5.0	4.2	3.9	4.2	5.0
137.5°	5.4	5.4	5.8	5.8	5.8	5.4	4.2	3.5	3.5	3.9	4.6
140°	5.4	5.0	5.4	5.4	5.0	4.6	3.9	3.1	3.1	3.5	3.9
142.5°	4.6	4.6	4.6	4.6	4.2	3.9	3.1	2.7	3.1	3.1	3.5
145°	4.2	4.2	4.2	3.9	3.9	3.1	2.3	2.3	2.3	2.7	3.1
147.5°	3.5	3.5	3.5	3.5	3.1	2.7	1.5	1.9	1.9	1.9	2.3
150°	2.7	2.7	3.1	2.7	2.3	1.9	1.2	1.5	1.9	1.9	1.9
152.5°	2.3	2.3	2.3	2.3	1.9	1.2	1.2	1.5	1.5	1.5	1.9
155°	1.5	1.5	1.5	1.5	1.2	0.8	1.2	1.2	1.5	1.5	1.5
157.5°	0.8	0.8	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
160°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
162.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
165°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
167.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
170°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
172.5°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
175°	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
177.5°	0.0	0.4	0.8	0.8	1.2	0.8	0.8	0.8	0.8	0.8	1.2
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°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2.5°	83.2	82.4	80.9	79.3	78.2	77.0	76.2	75.1	74.3	74.3	74.3
5°	89.7	89.0	85.1	81.3	77.8	74.7	72.4	69.7	68.5	67.4	67.8
7.5°	102.8	100.1	94.0	87.4	81.6	75.5	70.9	67.0	64.7	63.2	63.2
10°	120.5	116.3	107.1	97.0	87.4	78.6	71.6	66.2	62.4	60.8	60.8
12.5°	143.2	139.0	124.8	109.7	95.1	82.4	73.5	66.6	62.4	60.5	60.5
15°	173.7	166.4	147.1	125.5	104.4	87.0	75.5	69.7	67.0	65.8	65.8
17.5°	209.9	199.1	174.1	141.7	113.6	91.6	80.5	75.1	72.8	72.4	72.4
20°	252.2	238.7	201.0	157.9	120.9	97.4	84.7	80.1	79.3	79.7	79.7
22.5°	300.4	280.7	228.7	172.5	127.8	100.9	87.8	83.9	84.7	86.6	86.3
25°	351.2	330.4	259.2	185.6	132.5	102.4	89.7	87.4	90.5	92.8	92.8
27.5°	410.5	378.1	286.9	194.8	133.6	101.3	90.1	89.0	93.2	96.7	97.4
30°	470.9	429.4	310.8	200.6	131.3	98.6	88.6	89.3	94.3	99.0	99.3
32.5°	532.2	477.9	330.4	201.8	127.5	95.1	87.0	88.6	94.0	99.0	99.7
35°	593.0	523.3	343.5	197.5	121.3	91.6	84.3	87.0	92.4	98.2	99.0
37.5°	652.7	566.4	351.6	190.6	115.1	88.6	82.4	85.1	90.5	97.0	97.8
40°	717.8	612.7	356.2	182.5	109.0	85.9	81.3	83.9	89.3	95.5	96.7
42.5°	777.5	655.0	356.6	172.5	104.4	84.7	80.5	82.8	87.8	94.3	95.5
45°	855.3	698.5	356.6	164.0	101.3	84.3	80.5	82.4	87.0	94.0	95.5
47.5°	928.8	748.6	357.4	156.7	99.7	85.1	81.3	82.0	85.9	94.0	95.5
50°	1014.3	796.7	363.5	151.3	99.3	86.6	82.4	81.6	84.7	93.2	95.1
52.5°	1099.4	860.3	371.2	147.5	100.1	88.2	83.2	81.6	83.6	91.3	93.6
55°	1192.6	920.7	379.7	147.9	101.7	89.7	84.3	81.3	82.0	88.2	90.5
57.5°	1285.8	991.6	398.2	150.2	103.6	91.6	85.5	81.3	80.1	84.7	86.6
60°	1367.4	1054.0	417.4	155.2	106.3	93.6	86.3	80.9	78.6	81.3	82.8
62.5°	1453.7	1122.1	432.8	159.4	109.4	95.1	86.3	80.5	77.4	79.3	80.1
65°	1509.9	1162.5	440.9	164.8	112.4	96.3	86.6	79.7	77.0	78.2	78.9
67.5°	1538.8	1169.1	435.5	166.7	115.1	97.0	86.3	78.9	77.4	78.2	78.9
70°	1504.5	1125.6	409.7	165.6	115.9	97.0	85.5	78.2	77.4	78.6	78.9
72.5°	1380.5	1020.8	371.6	159.8	114.8	95.5	84.3	77.0	77.0	78.9	78.9
75°	1188.7	870.3	321.5	150.9	111.7	93.2	82.0	75.1	75.9	78.6	78.6
77.5°	951.9	688.5	264.9	138.2	105.9	89.3	78.9	72.4	74.3	77.4	77.0
80°	708.5	512.9	213.3	124.0	98.2	83.9	74.7	69.3	72.0	74.7	73.9
82.5°	472.1	360.0	168.7	109.0	90.1	78.6	70.1	65.1	68.5	71.2	70.1
85°	306.5	239.9	130.5	94.0	81.6	72.4	64.3	60.5	63.9	66.2	65.1
87.5°	191.0	161.0	99.3	80.1	72.8	65.5	59.3	55.1	58.5	60.8	59.3
90°	126.3	107.8	78.2	69.3	64.7	58.9	53.1	50.1	53.5	54.3	53.1
92.5°	83.2	76.2	63.5	59.3	57.0	52.4	48.1	45.4	48.1	48.5	47.7
95°	59.7	57.8	52.4	51.6	50.4	46.6	43.1	40.8	42.4	42.7	41.2
97.5°	45.4	45.1	44.7	44.7	43.9	41.2	38.1	36.2	37.0	36.6	35.4
100°	35.4	36.2	37.4	38.1	37.7	35.8	33.5	32.0	32.3	30.8	29.7
102.5°	27.7	29.3	31.2	32.3	32.3	30.8	29.7	28.1	27.0	25.0	24.6
105°	21.9	23.1	25.8	27.7	27.7	27.0	25.8	23.9	22.7	20.4	20.4
107.5°	17.3	18.9	21.9	23.5	23.9	23.1	22.3	20.8	18.9	16.6	16.6
110°	13.9	15.0	18.5	20.0	20.4	20.0	19.3	17.3	15.4	13.9	13.9



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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.6	12.7	15.4	16.9	17.7	17.3	16.6	14.6	12.7	11.6	11.6
115°	10.0	11.2	13.1	14.6	15.0	15.0	13.9	12.7	10.4	10.0	10.0
117.5°	8.9	9.6	11.6	12.7	13.5	13.1	11.9	10.8	9.2	8.9	8.9
120°	8.1	8.9	10.4	11.6	11.6	11.2	10.4	9.2	8.1	7.7	8.1
122.5°	7.3	8.1	9.2	10.0	10.0	10.0	9.2	8.1	6.9	6.9	7.3
125°	6.9	7.3	8.5	8.9	9.2	8.9	8.1	6.9	6.2	6.5	6.5
127.5°	6.5	6.9	7.7	8.1	8.1	7.7	6.9	6.2	5.4	5.8	6.2
130°	6.2	6.5	6.9	7.3	7.3	6.9	6.2	5.4	5.0	5.4	5.4
132.5°	5.4	5.8	6.2	6.5	6.2	6.2	5.4	4.6	4.6	5.0	5.0
135°	5.0	5.4	5.4	5.8	5.4	5.4	4.6	4.2	4.2	4.6	4.6
137.5°	4.6	5.0	5.0	5.0	4.6	4.6	4.2	3.9	3.9	3.9	4.2
140°	4.2	4.2	4.2	4.2	3.9	3.9	3.5	3.1	3.5	3.5	3.5
142.5°	3.9	3.9	3.9	3.5	3.5	3.1	2.7	2.7	3.1	3.1	3.1
145°	3.1	3.1	3.1	2.7	2.7	2.3	2.3	2.3	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.3	1.9	1.9	1.9	1.9	2.3	2.3	2.3
150°	2.3	2.3	2.3	1.9	1.5	1.5	1.2	1.5	1.9	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.5	0.8	1.2	1.5	1.5	1.5	1.5
155°	1.5	1.5	1.9	1.5	1.2	0.4	0.8	1.2	1.2	1.2	1.2
157.5°	1.5	1.5	1.5	1.2	0.8	0.4	0.8	0.8	1.2	0.8	1.2
160°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.8	0.8	0.8
162.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.8	0.4	0.4	0.4
165°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	1.2	1.2	1.2	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	1.2	1.2	1.2	1.2	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)