

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: P415029

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 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: 4147 lumens
Efficiency: N/A
Efficacy: 103.7 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

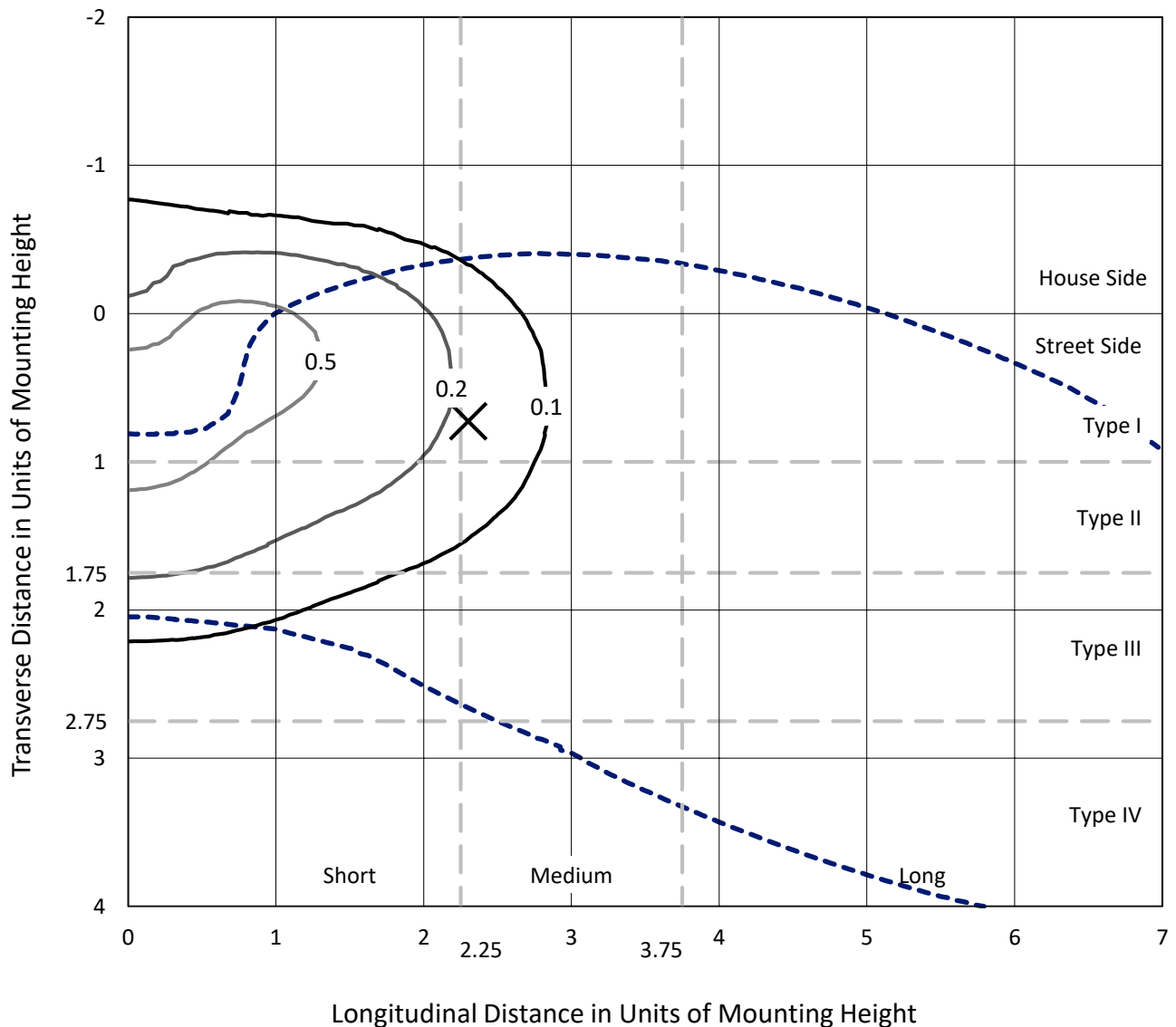
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

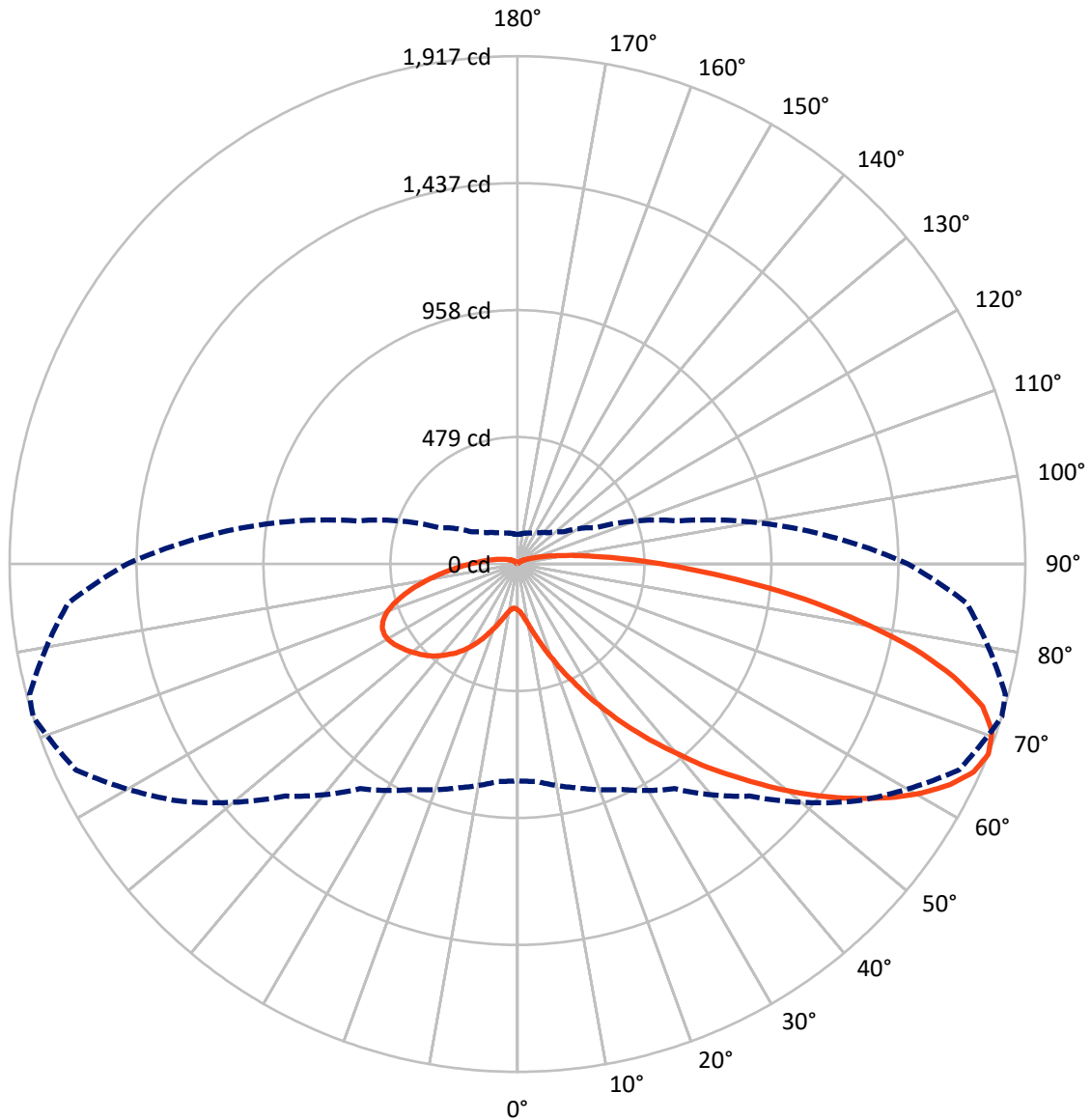
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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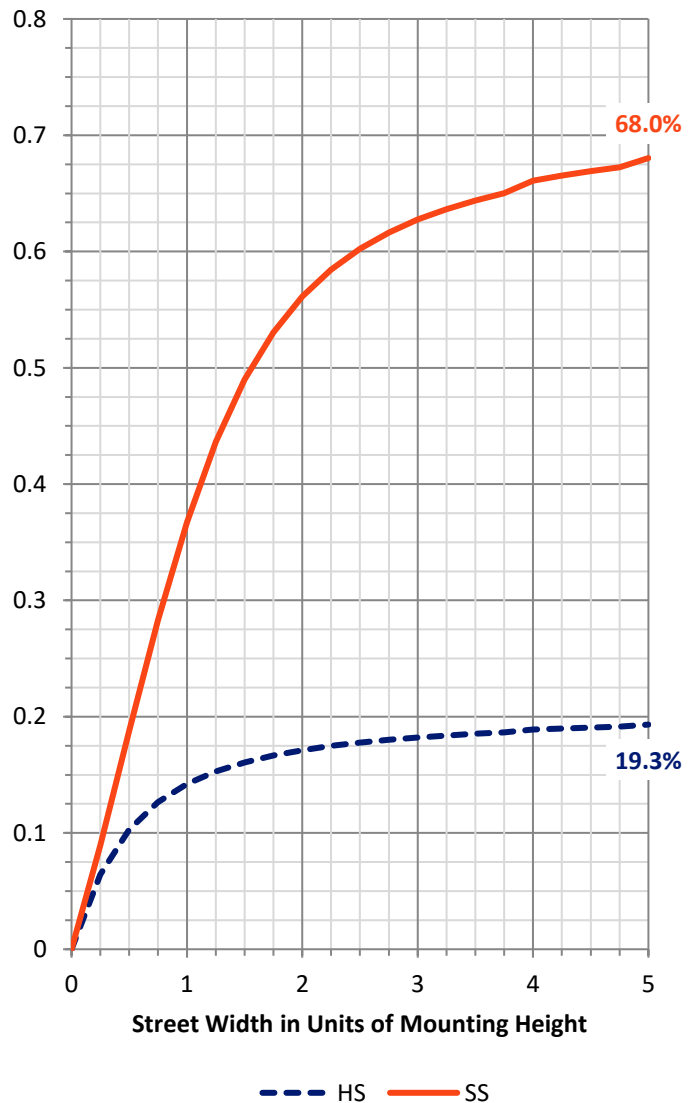
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.1	119.8	961.9
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2952.9	232.2	3185.1
	% Fixture	71.2	5.6	76.8
Total	Lumens	3795.0	352.0	4147.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.4
10°-20°	70.8	1.7
20°-30°	170.8	4.1
30°-40°	325.7	7.9
40°-50°	524.2	12.6
50°-60°	725.3	17.5
60°-70°	833.3	20.1
70°-80°	715.3	17.2
80°-90°	411.8	9.9
90°-100°	186.1	4.5
100°-110°	85.5	2.1
110°-120°	43.0	1.0
120°-130°	22.3	0.5
130°-140°	10.6	0.3
140°-150°	3.6	0.1
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3795.0	91.5
0°-180°	4147.0	100.0



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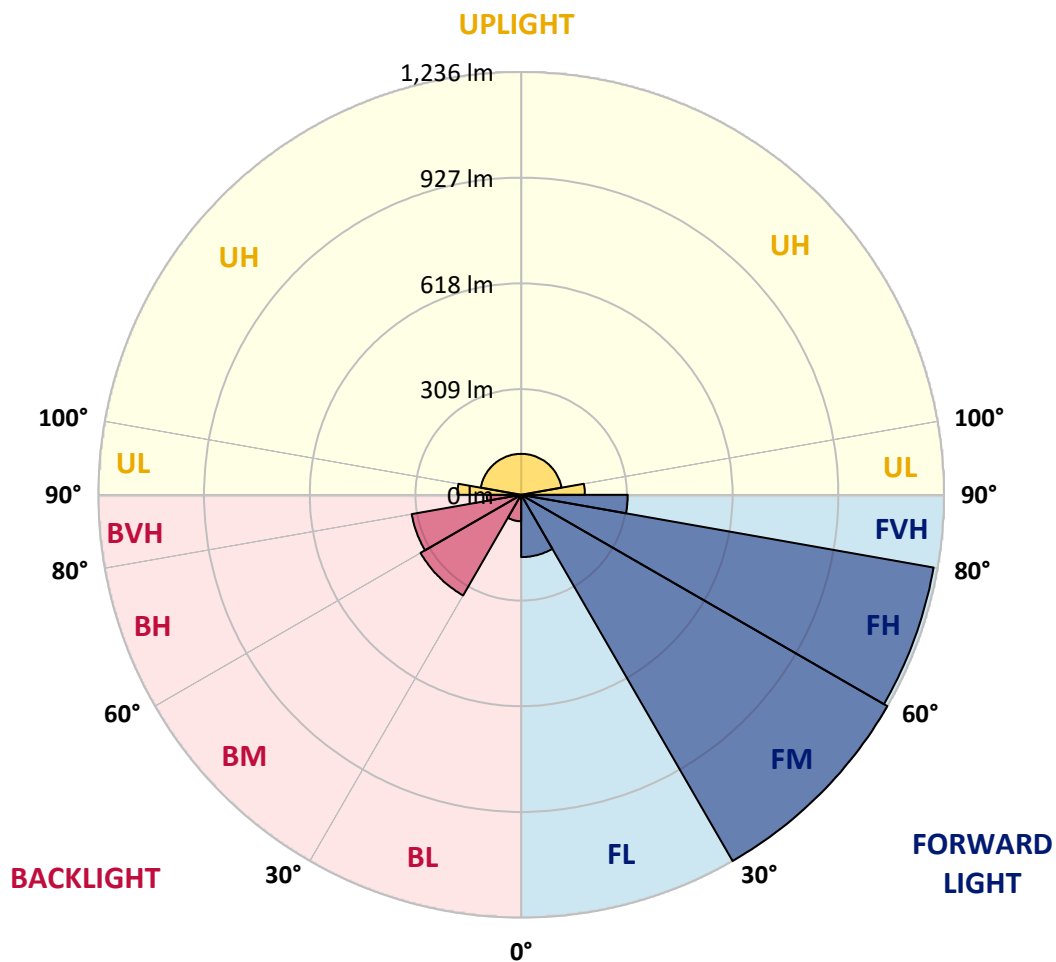
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.1	4.4			
FM (30°-60°)	1235.6	29.8			
FH (60°-80°)	1223.9	29.5			G1/1800
FVH (80°-90°)	311.3	7.5			G3/500
BL (0°-30°)	77.3	1.9	B0/110		
BM (30°-60°)	339.5	8.2	B1/1000		
BH (60°-80°)	324.7	7.8	B1/500		G1/500
BVH (80°-90°)	100.5	2.4			G2/225
UL (90°-100°)	186.1	4.5		U3/500	
UH (100°-180°)	119.8	2.9		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°	72.5°	75°	85°
0°	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0
2.5°	193.9	193.4	193.9	192.4	190.9	188.0	186.0	182.0	180.0	179.0	175.0
5°	221.4	220.9	220.4	218.4	213.4	209.9	203.9	196.9	192.4	190.4	184.0
7.5°	251.3	250.3	249.3	244.8	241.3	235.3	226.3	217.4	209.9	208.4	196.4
10°	285.2	284.2	282.2	278.7	272.2	263.7	255.8	242.8	233.3	228.8	215.9
12.5°	320.1	322.1	319.6	312.6	305.1	297.1	285.7	273.2	263.2	259.7	239.8
15°	362.5	363.9	361.5	353.5	345.5	333.5	324.6	311.6	298.1	296.1	274.2
17.5°	409.3	408.8	403.8	396.4	389.4	379.9	366.9	355.0	340.0	336.5	309.6
20°	460.2	458.2	453.7	441.2	434.7	423.8	415.8	399.3	384.9	379.9	353.0
22.5°	511.0	510.0	506.0	494.6	486.6	477.1	465.2	450.2	440.2	430.3	400.3
25°	574.8	568.9	563.9	543.4	536.0	527.0	516.5	504.0	494.6	489.1	454.7
27.5°	638.7	634.2	622.7	607.7	593.3	578.8	574.3	563.4	560.4	555.9	517.0
30°	702.0	700.0	687.5	668.6	647.6	633.7	631.2	632.2	627.7	622.2	580.8
32.5°	773.8	769.3	755.3	729.9	708.0	691.5	691.5	698.5	702.5	697.0	653.1
35°	844.1	840.1	822.6	791.2	766.8	746.8	754.8	771.3	780.7	780.7	726.4
37.5°	918.3	909.4	891.4	858.5	825.6	811.2	820.1	848.5	862.5	862.5	807.7
40°	983.2	982.7	958.2	918.8	886.4	865.0	892.4	930.3	948.8	947.3	889.4
42.5°	1048.0	1047.5	1024.0	980.7	939.8	928.8	963.2	1016.6	1046.5	1046.5	972.2
45°	1106.3	1102.3	1082.4	1034.5	996.6	991.6	1042.5	1110.3	1141.2	1146.2	1061.9
47.5°	1149.2	1145.7	1128.2	1081.9	1046.0	1055.0	1116.3	1202.5	1244.4	1243.9	1153.7
50°	1178.1	1174.6	1159.6	1119.8	1088.9	1111.3	1196.5	1300.2	1352.6	1356.6	1244.4
52.5°	1186.6	1184.6	1176.6	1143.7	1123.8	1162.1	1271.8	1400.0	1459.3	1462.8	1343.6
55°	1172.1	1172.1	1171.6	1151.7	1143.7	1207.5	1349.6	1497.2	1561.5	1568.0	1441.3
57.5°	1138.2	1139.7	1148.7	1142.2	1154.2	1243.9	1415.4	1584.9	1662.7	1666.7	1528.6
60°	1086.9	1083.9	1103.8	1115.8	1148.2	1266.8	1473.7	1673.2	1754.4	1755.9	1605.4
62.5°	1009.1	1010.6	1039.5	1070.9	1126.7	1276.3	1525.1	1750.4	1832.7	1836.2	1665.2
65°	917.3	920.8	960.2	1013.1	1089.9	1266.3	1554.5	1809.8	1892.0	1887.5	1699.6
67.5°	818.1	823.1	874.5	938.8	1035.0	1238.4	1559.5	1838.2	1916.5	1906.5	1702.6
70°	709.5	722.4	773.8	857.5	964.2	1185.1	1530.6	1833.2	1900.0	1890.5	1658.2
72.5°	610.7	620.2	676.5	763.8	884.9	1107.8	1469.3	1775.9	1835.7	1816.8	1565.5
75°	512.5	527.0	580.3	673.6	799.2	1012.1	1365.1	1665.2	1702.1	1681.6	1427.4
77.5°	428.8	441.7	494.6	584.3	705.0	911.9	1228.5	1497.2	1527.6	1506.6	1252.9
80°	349.5	363.9	415.3	503.5	616.7	794.2	1071.9	1300.7	1312.2	1279.3	1060.4
82.5°	292.2	299.6	347.5	425.3	529.5	685.0	911.4	1091.3	1091.8	1052.5	861.5
85°	238.8	243.3	287.2	357.5	446.7	578.8	748.3	879.0	869.0	847.6	664.1
87.5°	193.4	197.9	237.3	300.6	375.9	483.1	610.7	692.0	668.6	651.6	515.5
90°	158.5	163.5	195.9	250.8	315.6	398.8	486.1	535.0	514.0	501.1	397.4
92.5°	129.6	134.6	163.0	209.9	267.2	326.6	386.4	409.3	394.9	379.9	299.6
95°	109.7	110.7	136.1	175.5	220.9	263.7	302.6	316.1	296.1	290.7	231.8
97.5°	90.2	93.2	113.2	148.1	184.5	219.9	239.8	246.8	228.8	216.9	177.5
100°	76.8	78.3	95.7	123.6	153.6	179.0	194.4	190.9	175.0	168.0	134.6
102.5°	65.8	67.3	81.3	107.2	130.6	149.1	156.5	151.1	136.1	131.6	105.7
105°	57.8	58.3	69.8	90.7	110.7	126.1	129.1	120.7	106.2	100.2	83.3
107.5°	51.4	51.9	60.8	78.8	95.7	106.2	107.2	97.7	83.8	79.3	66.8
110°	45.9	46.9	53.3	68.3	82.8	90.7	89.7	79.8	66.8	62.8	54.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	41.4	42.4	47.4	59.8	71.8	78.8	76.3	64.3	53.3	50.9	45.4
115°	37.9	38.9	42.9	52.8	63.3	68.3	64.3	53.3	43.9	40.9	37.9
117.5°	35.4	35.9	38.9	46.9	54.8	58.8	54.3	44.4	35.9	33.9	32.4
120°	32.9	33.4	35.9	41.4	48.4	50.4	45.9	36.4	29.9	28.9	28.4
122.5°	30.9	30.9	32.9	36.9	41.9	43.4	38.9	30.4	25.4	24.4	24.9
125°	28.9	28.9	29.9	32.9	36.4	37.4	32.4	25.4	21.4	20.9	21.9
127.5°	26.9	26.9	27.4	29.4	31.4	31.4	26.9	20.9	18.4	17.9	19.4
130°	24.9	24.9	24.9	25.9	26.9	26.4	21.9	17.4	16.0	16.0	17.0
132.5°	22.9	22.9	22.9	22.9	22.4	21.4	17.9	14.0	14.0	14.0	15.0
135°	20.4	20.4	20.4	19.9	18.9	17.4	14.0	11.5	11.5	12.0	13.0
137.5°	18.4	18.4	17.9	17.0	15.5	13.5	11.0	9.0	10.0	10.0	11.0
140°	16.0	16.0	15.5	14.0	12.0	10.0	8.0	7.5	8.0	8.5	9.5
142.5°	13.5	13.5	13.0	11.5	9.5	7.0	5.5	5.5	6.5	6.5	7.5
145°	11.0	11.0	10.5	9.0	6.5	4.5	3.5	4.0	5.0	5.0	5.5
147.5°	8.5	8.5	8.0	6.5	4.5	3.0	2.0	3.0	3.5	3.5	4.0
150°	6.0	6.0	5.5	4.5	3.0	1.5	1.0	1.5	2.0	2.5	2.5
152.5°	4.0	4.0	3.5	3.0	1.5	0.5	1.0	1.5	1.5	1.5	2.0
155°	2.5	2.0	2.0	1.5	0.5	0.0	0.5	1.0	1.0	1.0	1.5
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	1.0	1.0
160°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
162.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
165°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
167.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
170°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
172.5°	0.0	0.5	0.5	1.0	0.5	0.0	0.5	0.5	0.5	0.5	0.5
175°	0.0	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.0	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0	173.0
2.5°	174.0	172.0	169.0	166.0	163.0	161.0	159.0	158.0	156.5	155.1	155.1
5°	180.0	176.0	169.0	162.0	155.6	150.1	144.6	141.6	139.6	137.6	138.1
7.5°	190.9	185.0	173.5	162.0	151.6	142.6	135.1	129.1	125.1	122.6	123.1
10°	206.4	199.9	182.5	166.0	151.1	138.1	127.6	119.2	114.2	111.7	111.7
12.5°	230.8	219.9	196.9	173.5	153.6	136.1	122.6	112.7	105.7	102.7	102.2
15°	260.2	244.8	216.9	188.0	159.5	136.1	118.7	111.7	107.2	105.2	104.7
17.5°	295.1	278.2	239.8	201.4	167.5	139.1	124.1	115.7	110.7	108.7	108.2
20°	333.0	313.1	264.7	218.4	175.5	148.1	129.6	119.2	113.7	111.7	111.7
22.5°	379.4	353.0	291.7	233.3	185.5	155.6	135.1	122.1	117.2	115.2	114.7
25°	427.3	397.4	323.6	249.3	196.4	161.5	139.1	125.1	120.2	118.2	118.7
27.5°	483.6	445.2	355.0	265.2	205.9	165.0	141.1	127.6	122.6	121.1	121.6
30°	542.4	494.1	382.9	281.7	212.4	167.5	142.6	129.6	124.1	123.1	123.1
32.5°	604.8	549.9	411.8	296.1	216.4	168.0	142.6	130.6	125.1	124.6	125.1
35°	668.6	603.8	439.7	307.6	218.4	167.5	142.1	131.6	125.1	125.1	125.1
37.5°	739.4	656.6	463.2	315.6	218.9	166.0	141.6	131.1	125.1	125.1	125.6
40°	812.2	712.9	489.1	322.1	218.4	165.0	141.1	131.1	125.1	125.1	125.6
42.5°	884.4	765.3	513.5	326.1	217.4	164.0	140.6	131.1	125.1	124.1	124.6
45°	962.7	826.1	536.9	328.6	216.4	163.5	140.6	130.6	125.1	123.1	123.6
47.5°	1035.5	882.5	555.9	331.5	215.9	163.5	141.1	130.6	124.6	122.6	122.6
50°	1117.8	940.8	575.3	332.5	214.9	163.5	141.1	130.6	124.1	121.1	121.6
52.5°	1199.0	999.6	594.3	334.5	214.9	164.0	141.6	130.6	123.6	119.7	119.7
55°	1276.8	1052.0	611.2	336.0	214.9	165.0	143.1	130.6	123.1	118.2	118.2
57.5°	1348.1	1105.8	628.2	336.5	214.9	166.0	143.1	131.1	122.6	116.7	116.7
60°	1411.4	1152.2	640.2	337.0	214.4	167.0	144.1	130.6	122.1	115.2	115.2
62.5°	1456.3	1187.6	646.1	335.5	214.4	167.0	144.6	130.6	121.6	114.7	114.2
65°	1481.7	1200.0	642.6	331.0	213.4	167.0	144.1	130.1	120.7	113.7	113.2
67.5°	1473.2	1186.6	627.7	324.1	210.9	166.5	144.1	129.1	120.7	113.2	112.2
70°	1427.4	1146.2	599.3	313.6	207.4	164.5	142.1	127.6	119.7	112.7	111.7
72.5°	1337.6	1064.9	557.9	297.1	201.4	161.5	139.6	125.1	117.7	111.2	109.7
75°	1213.0	968.2	507.5	280.2	193.9	157.5	136.6	122.6	115.2	109.2	107.7
77.5°	1053.0	839.1	451.7	258.3	184.5	152.1	132.6	118.7	111.7	106.2	104.2
80°	886.9	707.0	391.4	235.3	174.5	145.1	126.6	113.7	107.2	102.2	99.7
82.5°	717.9	580.8	335.0	213.4	163.0	137.1	120.7	108.2	102.2	96.7	94.2
85°	566.4	459.2	280.7	190.4	151.1	129.1	113.7	101.7	96.2	90.2	87.7
87.5°	440.7	364.4	234.8	169.5	138.1	120.2	106.2	95.2	88.7	83.3	81.3
90°	343.5	287.2	196.4	149.6	126.6	111.2	98.2	88.2	81.8	76.3	73.8
92.5°	261.7	227.3	164.5	132.1	115.2	102.2	90.7	81.3	74.8	68.8	66.3
95°	204.9	180.5	139.1	116.2	103.7	92.7	83.3	74.3	67.3	60.8	59.3
97.5°	159.0	144.6	117.2	101.7	93.7	83.8	75.3	67.3	60.3	53.8	52.3
100°	125.6	115.2	99.2	90.2	83.3	75.3	67.8	60.8	53.3	46.4	45.9
102.5°	99.2	94.7	84.3	79.3	73.8	67.8	61.3	53.8	46.4	39.9	39.4
105°	81.3	77.3	72.3	69.3	65.8	60.3	54.3	47.9	40.4	34.4	34.4
107.5°	65.8	63.8	61.3	60.8	58.3	53.8	48.9	42.4	34.9	29.9	29.9
110°	53.8	53.3	53.3	53.3	51.9	48.4	43.4	36.9	29.4	25.9	25.9



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CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	45.4	45.4	45.9	46.9	45.9	42.4	37.9	31.9	25.4	22.4	22.4
115°	38.4	38.9	40.4	40.9	40.4	37.9	33.4	27.4	21.4	19.4	19.9
117.5°	33.4	33.4	35.4	36.4	35.9	33.4	28.9	23.4	18.4	17.4	17.4
120°	28.9	29.9	31.4	31.9	31.4	28.9	25.4	19.9	16.0	15.5	15.5
122.5°	25.4	25.9	27.4	28.4	27.4	25.4	21.4	17.0	13.5	13.5	14.0
125°	22.4	22.9	23.9	24.9	23.9	21.4	18.4	14.0	12.0	12.0	12.0
127.5°	19.9	20.4	21.4	21.4	20.4	18.4	15.5	12.0	10.0	10.5	10.5
130°	17.4	17.9	18.4	18.4	17.9	16.0	13.0	10.0	9.0	9.5	9.5
132.5°	15.5	16.0	16.0	16.0	15.0	13.5	11.0	8.5	8.0	8.5	8.5
135°	13.5	13.5	14.0	13.5	12.5	11.0	8.5	7.0	7.0	7.5	7.5
137.5°	11.5	12.0	12.0	11.0	10.0	8.5	7.0	6.0	6.0	6.5	6.5
140°	9.5	10.0	9.5	9.0	8.0	7.0	5.5	4.5	5.0	5.5	5.5
142.5°	8.0	8.0	8.0	7.0	6.0	5.0	4.0	4.0	4.5	4.5	5.0
145°	6.0	6.0	6.0	5.5	4.5	3.5	3.0	3.0	3.5	4.0	4.0
147.5°	4.5	4.5	4.5	4.0	3.0	2.5	2.0	2.5	3.0	3.5	3.0
150°	3.0	3.0	3.0	2.5	2.0	1.5	1.5	2.0	2.5	2.5	2.5
152.5°	2.0	2.0	2.0	2.0	1.5	0.5	1.0	1.5	2.0	2.0	2.0
155°	1.5	1.5	1.5	1.5	1.0	0.0	0.5	1.0	1.5	1.5	1.5
157.5°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.5	1.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.0
165°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
167.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
170°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
172.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
175°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)