

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: P415428

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5313 lumens
Efficiency: N/A
Efficacy: 98.4 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 - G2

Input Watts (W): 54
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

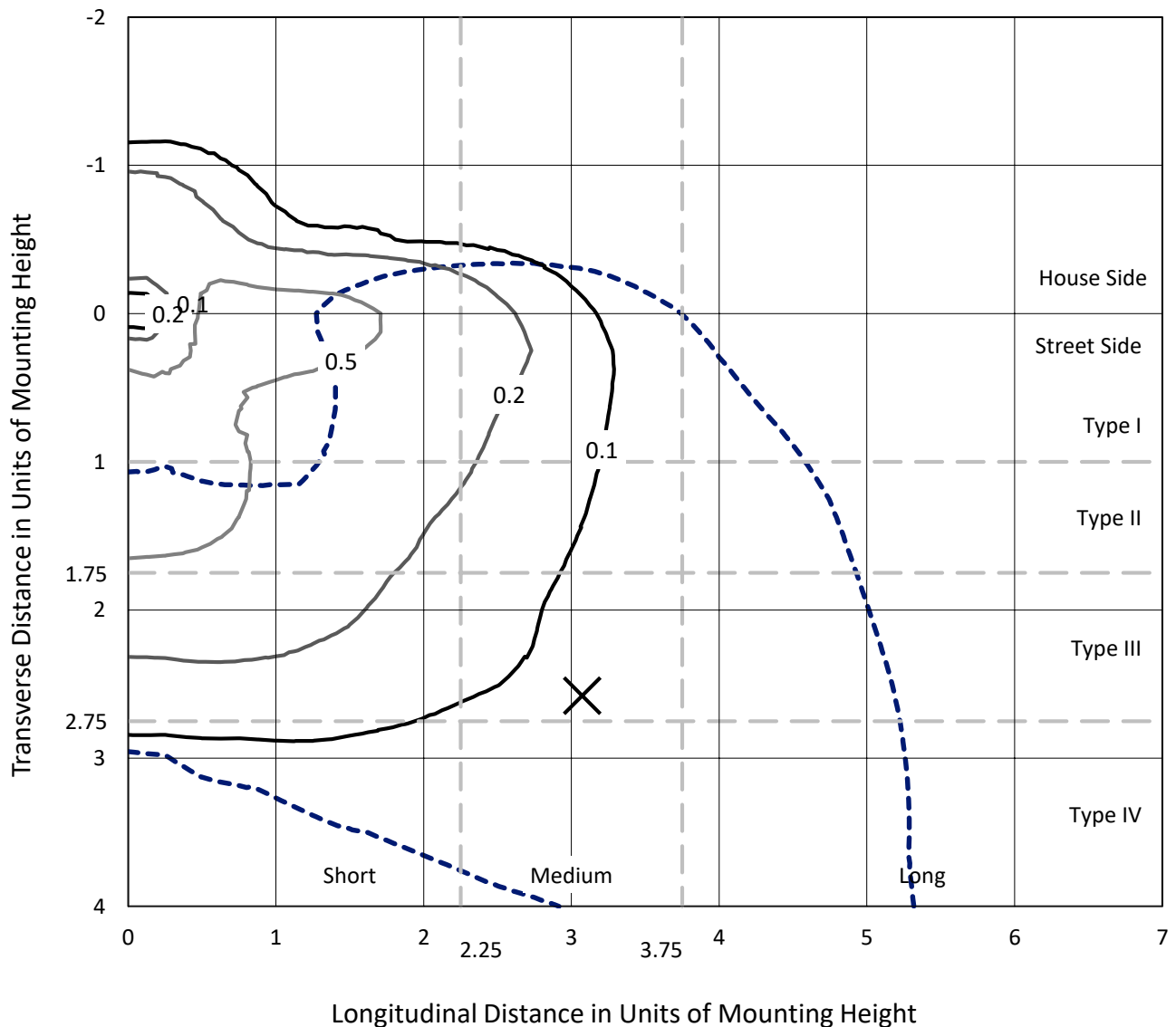


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Iso-Footcandle Lines of Horizontal Illumination

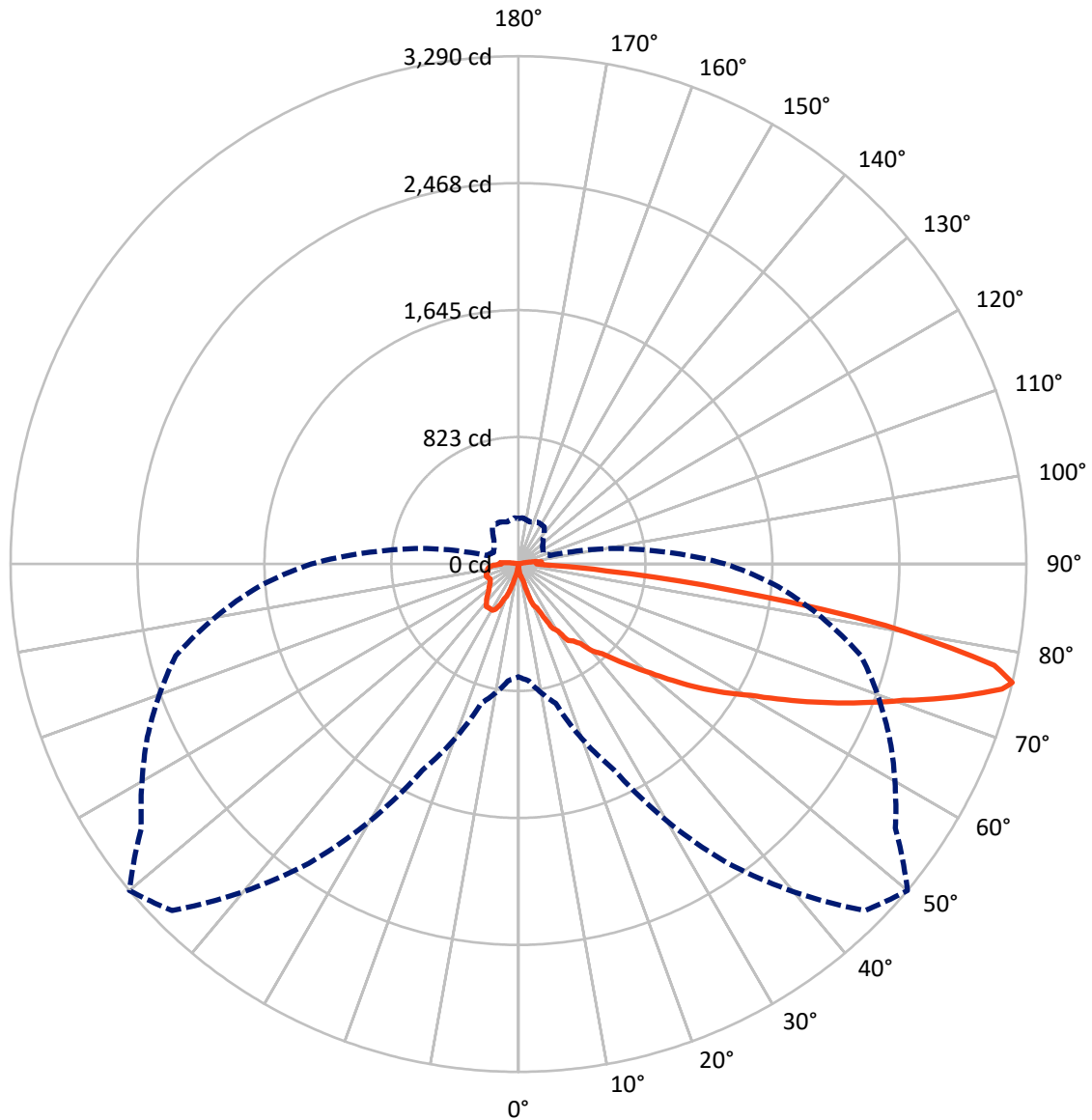
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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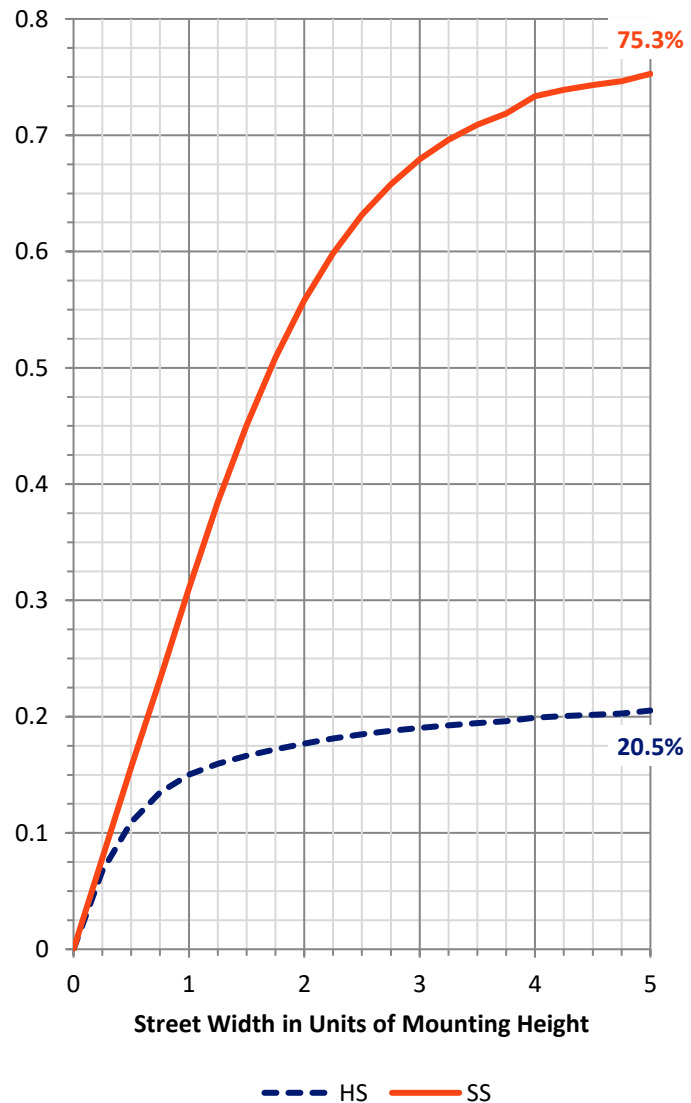
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.6	65.4	1224.9
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4035.6	52.5	4088.1
	% Fixture	76.0	1.0	76.9
Total	Lumens	5195.2	117.8	5313.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	44.3	0.8
20°-30°	173.3	3.3
30°-40°	373.1	7.0
40°-50°	607.8	11.4
50°-60°	978.5	18.4
60°-70°	1425.3	26.8
70°-80°	1271.5	23.9
80°-90°	318.5	6.0
90°-100°	93.3	1.8
100°-110°	13.8	0.3
110°-120°	4.0	0.1
120°-130°	2.7	0.1
130°-140°	1.8	0.0
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5195.2	97.8
0°-180°	5313.0	100.0



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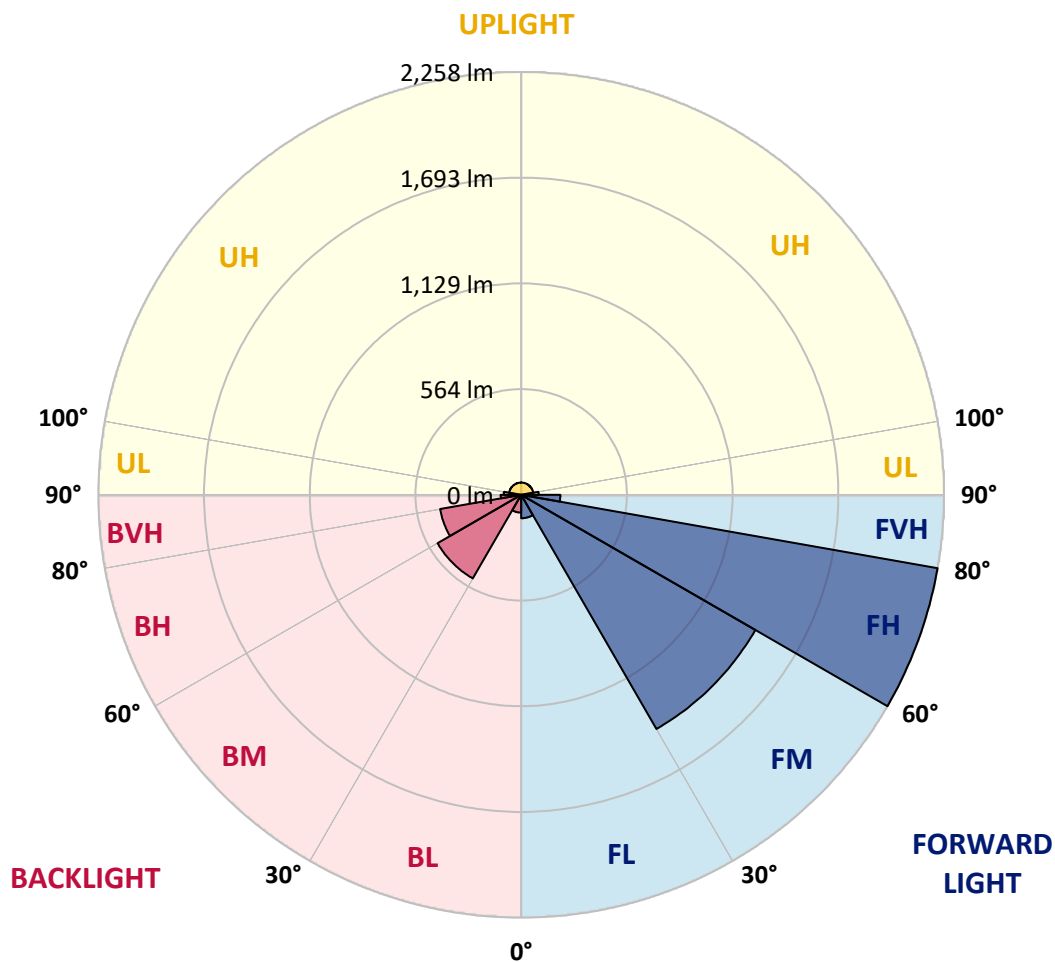
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.3	2.4			
FM	(30°-60°)	1443.7	27.2			
FH	(60°-80°)	2257.5	42.5			G2/5000
FVH	(80°-90°)	209.1	3.9			G2/225
BL	(0°-30°)	95.3	1.8	B0/110		
BM	(30°-60°)	515.6	9.7	B1/1000		
BH	(60°-80°)	439.3	8.3	B1/500		G1/500
BVH	(80°-90°)	109.4	2.1			G2/225
UL	(90°-100°)	93.3	1.8		U3/500	
UH	(100°-180°)	65.4	1.2		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	7.7	5.9	5.3	4.7	4.7	4.1	4.1	3.5	3.5	3.5	3.5
5°	74.4	72.0	66.7	62.0	21.3	17.7	14.8	11.2	4.1	4.1	3.5
7.5°	89.2	87.4	83.8	81.5	77.9	72.6	66.7	31.3	12.4	4.7	4.1
10°	116.9	108.1	101.0	95.1	90.9	82.1	79.7	75.0	20.7	8.9	6.5
12.5°	209.0	204.3	197.2	134.0	110.4	94.5	90.9	86.8	67.3	31.9	57.3
15°	230.3	225.6	218.5	209.6	196.6	116.3	109.2	135.8	173.6	130.5	136.4
17.5°	270.4	268.1	249.2	227.9	214.9	228.5	229.1	207.8	197.2	172.4	157.1
20°	374.9	372.6	362.0	307.6	243.3	288.7	287.6	276.9	221.4	254.5	274.0
22.5°	390.3	387.3	377.9	363.1	385.0	316.5	308.8	308.8	326.5	346.0	322.4
25°	513.7	510.8	438.7	382.0	412.7	376.7	377.9	418.0	361.4	379.7	362.5
27.5°	536.7	532.6	526.7	488.9	434.6	477.1	470.6	448.8	470.0	524.3	506.0
30°	626.5	581.0	561.5	539.7	513.1	505.4	502.5	542.0	557.4	553.9	559.2
32.5°	726.9	725.1	706.2	575.7	580.4	543.2	591.1	608.8	585.2	672.5	728.6
35°	873.3	813.1	776.5	689.7	604.0	628.3	611.7	630.0	710.9	719.2	772.9
37.5°	1097.7	1094.1	1010.3	761.1	696.7	643.0	654.8	705.6	758.7	770.6	843.2
40°	1283.1	1266.0	1212.8	948.9	757.6	695.6	742.8	731.6	787.7	829.0	898.7
42.5°	1420.7	1436.6	1406.5	1098.3	879.8	778.8	793.0	778.2	830.2	907.5	978.4
45°	1552.3	1545.8	1566.5	1250.0	997.3	885.7	884.5	848.5	908.1	994.9	1088.2
47.5°	1659.8	1650.3	1671.6	1414.8	1132.5	982.5	990.8	944.2	1001.4	1104.2	1251.2
50°	1779.7	1761.4	1775.5	1552.9	1309.1	1122.5	1111.3	1075.2	1107.7	1247.7	1450.2
52.5°	1923.7	1910.7	1885.4	1690.5	1490.9	1266.5	1252.4	1217.5	1253.0	1426.0	1670.4
55°	2053.0	2038.3	2017.6	1880.0	1642.1	1413.0	1413.6	1378.7	1447.8	1620.8	1926.1
57.5°	2187.7	2180.6	2191.2	2092.0	1858.2	1565.9	1569.5	1548.2	1672.2	1821.0	2197.1
60°	2299.3	2288.6	2347.7	2308.7	2050.1	1740.7	1726.5	1749.5	1901.3	2030.0	2471.7
62.5°	2341.8	2348.9	2460.5	2508.3	2236.1	1929.0	1934.4	1965.7	2113.3	2280.4	2736.2
65°	2142.2	2167.0	2478.8	2543.1	2443.3	2138.1	2163.5	2158.1	2330.6	2464.6	2959.4
67.5°	1925.5	1953.8	2292.8	2552.0	2603.9	2383.7	2396.7	2344.1	2517.7	2579.7	3125.9
70°	1772.0	1793.8	2072.5	2501.8	2702.6	2640.0	2645.9	2548.4	2653.5	2715.0	3120.0
72.5°	1506.3	1529.3	1786.7	2312.3	2764.0	2950.6	2950.6	2735.6	2763.4	2712.0	2755.1
75°	1018.0	1026.8	1237.6	1795.0	2605.1	3203.9	3234.6	2939.9	2725.6	2463.4	2054.8
76°	731.0	758.2	934.7	1473.8	2366.0	3174.9	3290.1	2981.3	2651.8	2298.7	1691.1
77.5°	387.3	412.1	551.5	943.6	1919.0	2952.3	3151.3	2854.3	2418.0	1973.3	1250.6
80°	151.7	150.0	189.5	336.0	971.9	2245.5	2411.5	2103.8	1635.6	1143.1	594.0
82.5°	83.3	91.5	120.5	177.7	421.6	1238.8	1362.2	1110.1	834.9	527.3	347.2
85°	53.1	54.3	70.9	109.8	260.4	522.0	573.3	475.3	390.9	323.6	246.8
87.5°	31.9	33.1	37.2	50.8	128.7	153.5	167.7	197.2	224.4	222.6	213.2
90°	21.8	21.8	18.3	20.1	60.2	122.8	118.1	125.8	114.6	145.3	205.5
92.5°	21.3	21.3	17.7	18.3	51.4	136.4	137.0	136.4	121.0	148.2	216.1
95°	18.9	19.5	15.4	15.9	37.8	127.5	150.0	145.3	122.2	149.4	215.5
97.5°	15.9	16.5	11.8	13.6	25.4	86.2	111.6	114.0	76.2	75.6	97.4
100°	11.8	12.4	8.3	10.6	15.4	39.6	59.6	56.1	37.8	20.7	13.6
102.5°	11.2	11.8	7.1	8.3	9.4	13.6	21.8	16.5	14.2	11.8	11.8
105°	12.4	12.4	6.5	5.9	5.9	6.5	5.3	7.7	8.3	8.9	12.4
107.5°	10.6	11.2	4.7	4.7	4.1	4.1	3.5	3.5	4.7	7.7	13.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	8.3	8.3	4.1	4.1	3.0	3.5	3.5	3.0	4.1	5.9	10.6
112.5°	4.7	5.3	2.4	3.5	2.4	3.0	3.0	2.4	3.5	4.1	5.9
115°	4.7	4.7	2.4	1.8	1.8	1.8	2.4	2.4	3.0	4.1	6.5
117.5°	4.7	4.7	2.4	1.8	1.2	1.8	1.8	1.8	3.0	4.1	6.5
120°	4.7	4.7	2.4	1.2	1.2	1.2	1.2	1.8	3.0	4.1	6.5
122.5°	5.3	4.7	2.4	1.2	1.2	1.2	1.2	1.8	3.0	4.1	5.9
125°	5.3	4.7	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.5	5.3
127.5°	5.3	4.7	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.5	4.7
130°	4.7	4.7	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.5	4.7
132.5°	4.7	4.1	2.4	1.2	1.2	1.2	1.2	1.8	2.4	3.0	4.1
135°	4.1	3.5	2.4	1.2	1.8	1.2	1.8	1.8	2.4	3.0	3.5
137.5°	3.5	3.5	2.4	1.8	1.8	1.8	1.8	1.8	2.4	3.0	3.0
140°	4.1	3.5	2.4	2.4	1.8	1.8	1.8	1.8	2.4	3.0	3.0
142.5°	4.7	4.1	3.0	2.4	2.4	1.8	1.8	2.4	2.4	3.0	3.0
145°	4.7	4.7	3.5	3.0	1.8	1.8	1.8	2.4	3.0	3.0	3.5
147.5°	5.3	4.7	3.5	3.0	1.8	1.2	1.8	1.8	3.0	3.5	3.5
150°	4.7	4.7	3.0	2.4	1.2	0.6	1.2	1.8	3.0	3.5	3.5
152.5°	3.5	3.5	2.4	1.2	0.6	0.6	1.2	1.8	2.4	3.0	3.5
155°	2.4	2.4	1.2	0.6	0.0	0.6	0.6	1.2	1.8	2.4	3.0
157.5°	1.2	1.2	0.6	0.0	0.0	0.6	0.6	1.2	1.8	2.4	2.4
160°	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.2	1.8	1.8
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.5	3.0	3.0	2.4	2.4	1.8	1.8	1.8	1.8	2.4	3.0
5°	3.5	3.5	3.0	3.0	3.0	2.4	2.4	3.5	4.1	4.7	4.7
7.5°	3.5	3.5	3.5	3.0	3.5	4.7	18.9	54.3	59.6	63.2	64.4
10°	6.5	5.9	5.3	4.7	8.9	60.2	74.4	80.9	83.8	86.8	86.8
12.5°	62.0	62.0	25.4	14.2	60.8	80.9	85.0	89.8	93.9	98.0	98.6
15°	134.6	132.9	128.1	117.5	101.6	91.5	95.7	141.7	166.5	177.7	176.0
17.5°	154.1	151.7	148.8	169.5	176.5	141.1	164.7	183.0	188.4	194.3	193.7
20°	285.8	282.8	220.2	197.2	193.1	236.8	188.4	192.5	201.9	257.4	259.2
22.5°	320.0	316.5	294.6	300.5	225.6	256.9	248.6	260.4	290.5	299.4	300.5
25°	374.9	360.8	334.2	314.1	319.4	268.1	309.4	289.9	301.1	311.8	313.5
27.5°	519.0	510.8	463.5	351.9	325.9	335.4	322.4	315.3	376.7	399.2	400.9
30°	559.2	550.9	491.9	407.4	343.7	343.7	324.8	393.2	396.2	408.0	411.0
32.5°	759.9	743.4	625.3	413.9	356.6	328.3	367.9	387.3	434.6	470.0	475.9
35°	806.6	792.4	645.4	473.0	344.8	341.9	347.2	408.0	442.8	464.1	468.8
37.5°	855.0	839.1	643.0	450.5	365.5	325.9	337.7	381.4	431.6	486.5	493.6
40°	921.1	901.6	646.0	421.6	342.5	308.2	317.1	366.1	400.3	434.6	440.5
42.5°	1009.7	970.7	651.3	395.6	315.9	300.5	302.3	330.7	346.6	360.8	360.8
45°	1129.0	1065.8	653.1	368.4	289.3	282.8	285.2	298.2	304.1	295.2	291.1
47.5°	1289.0	1183.3	674.9	344.2	266.9	263.3	265.1	269.3	266.3	243.3	239.1
50°	1475.6	1321.5	686.7	323.0	250.4	249.8	246.8	246.8	236.2	210.2	208.4
52.5°	1681.6	1486.2	696.7	297.0	238.5	241.5	241.5	229.1	213.2	192.5	190.7
55°	1943.2	1676.3	711.5	274.6	228.5	227.9	234.4	219.1	202.5	184.8	184.8
57.5°	2203.0	1877.7	729.2	255.1	217.3	218.5	227.9	215.5	206.7	199.6	199.0
60°	2462.8	2085.5	700.9	237.4	213.2	210.8	226.1	229.1	218.5	222.6	226.7
62.5°	2706.7	2218.4	586.9	222.0	205.5	209.0	241.5	259.8	256.3	252.1	253.3
65°	2821.8	2245.5	475.9	208.4	200.2	221.4	266.3	294.1	282.2	268.7	267.5
67.5°	2841.3	2175.3	350.1	200.2	197.2	243.3	285.8	301.7	284.0	278.7	274.0
70°	2704.3	1997.0	279.9	191.3	199.6	246.8	298.2	300.0	287.0	292.9	287.0
72.5°	2299.9	1663.3	245.0	183.0	200.2	238.0	298.2	300.5	285.8	302.9	300.0
75°	1646.8	1166.2	217.9	176.0	193.7	227.9	294.1	300.0	282.2	301.1	296.4
76°	1341.5	925.3	210.2	177.7	190.7	224.4	292.9	298.2	282.8	300.0	295.2
77.5°	886.3	604.6	197.2	176.5	185.4	222.6	289.9	295.8	282.2	296.4	291.7
80°	474.1	342.5	177.7	164.7	178.9	223.8	287.6	289.9	271.0	287.0	281.1
82.5°	312.4	255.1	153.5	149.4	172.4	225.6	286.4	282.8	261.6	287.0	271.0
85°	245.0	210.8	115.1	119.9	157.1	217.9	282.8	272.8	253.3	260.4	250.9
87.5°	207.8	173.6	69.1	85.6	137.6	185.4	250.9	225.6	214.3	221.4	217.3
90°	195.4	153.5	39.0	60.2	103.3	123.4	158.2	147.0	142.3	150.6	148.8
92.5°	197.2	150.0	38.4	57.3	110.4	132.9	163.6	150.6	136.4	136.4	134.6
95°	188.4	139.9	37.8	45.5	99.8	129.3	153.5	135.2	109.8	104.5	102.7
97.5°	82.1	67.9	35.4	34.8	57.3	89.2	111.6	96.8	72.6	56.7	56.7
100°	13.6	21.8	30.7	33.7	33.7	47.2	63.2	59.6	34.8	18.3	18.9
102.5°	14.2	12.4	21.3	27.8	21.8	19.5	28.9	36.0	23.0	7.1	7.7
105°	14.8	13.0	10.6	19.5	12.4	6.5	8.9	16.5	10.6	7.1	7.1
107.5°	15.9	13.6	6.5	7.1	5.3	5.3	4.7	4.1	5.3	7.1	7.7



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	12.4	11.2	5.9	5.3	4.7	5.3	3.5	3.5	4.1	7.1	7.7
112.5°	7.1	7.1	5.3	4.1	4.1	4.7	3.0	3.0	4.1	7.7	7.7
115°	7.1	7.1	4.7	3.5	3.0	3.5	3.0	2.4	4.1	7.7	8.3
117.5°	7.1	7.1	4.7	3.5	3.0	2.4	2.4	2.4	4.1	7.7	8.3
120°	7.1	6.5	4.1	3.0	3.0	1.8	1.8	1.8	3.5	7.7	8.3
122.5°	6.5	6.5	4.1	3.0	2.4	1.8	1.8	1.8	3.5	7.1	7.7
125°	5.9	5.9	4.1	3.0	2.4	1.8	1.2	1.8	3.5	6.5	7.1
127.5°	5.3	5.3	3.5	3.0	2.4	1.8	1.2	1.8	3.5	6.5	7.1
130°	4.7	4.7	3.5	2.4	2.4	1.2	1.2	1.2	3.5	5.9	6.5
132.5°	4.1	4.1	3.0	2.4	1.8	1.2	0.6	1.2	3.0	5.3	5.3
135°	3.5	3.5	3.0	2.4	1.8	1.2	0.6	1.2	2.4	4.1	4.7
137.5°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.5	3.5
140°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.0	3.5
142.5°	3.0	3.0	2.4	2.4	1.8	1.2	0.6	1.2	1.8	3.0	3.5
145°	3.5	3.0	3.0	2.4	1.8	1.2	0.6	1.2	2.4	3.5	3.5
147.5°	3.5	3.5	3.0	2.4	1.8	1.2	0.6	1.2	2.4	3.5	3.5
150°	3.5	3.5	3.0	2.4	1.8	0.6	0.0	0.6	1.8	3.0	3.5
152.5°	3.5	3.0	2.4	1.8	1.2	0.6	0.0	0.0	1.2	2.4	2.4
155°	3.0	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.2
157.5°	2.4	2.4	1.8	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6
160°	1.8	1.8	1.2	1.2	0.6	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)