

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: P417330

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6692 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 94
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

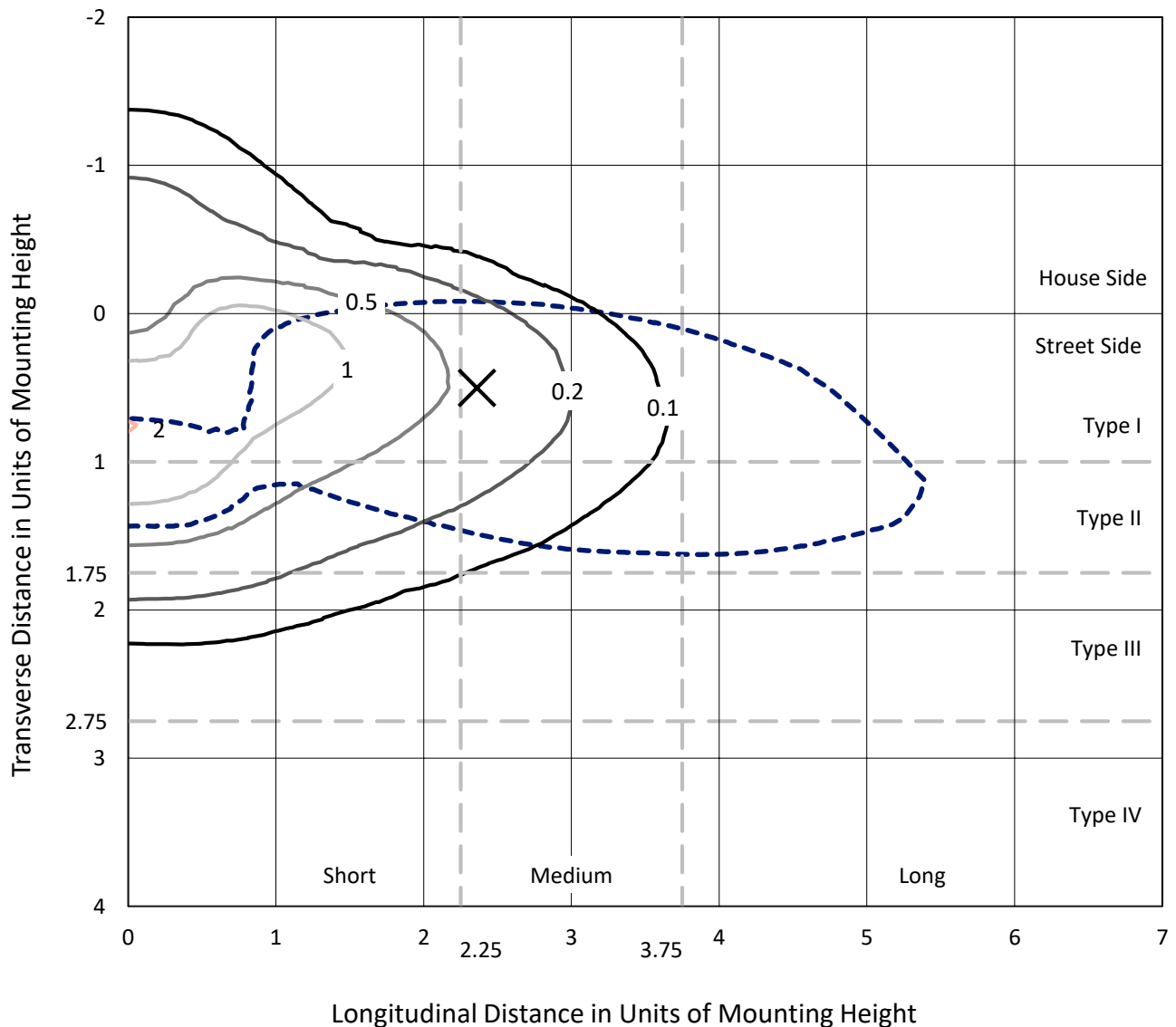


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

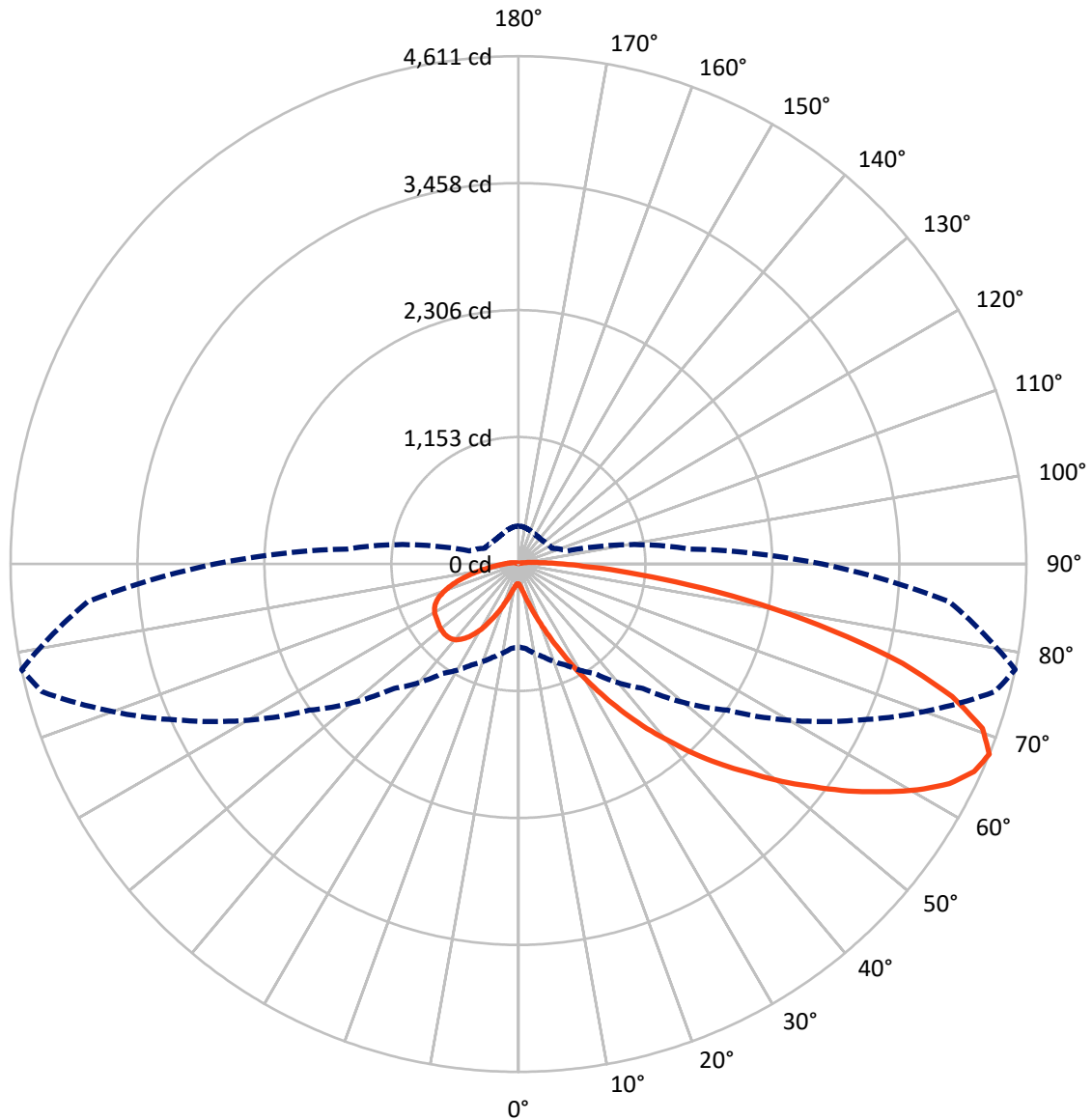


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1271.6	103.2	1374.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	5212.5	104.7	5317.2
	% Fixture	77.9	1.6	79.5
Total	Lumens	6484.1	207.9	6692.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	103.9	1.6
20°-30°	316.8	4.7
30°-40°	708.7	10.6
40°-50°	1167.8	17.5
50°-60°	1437.3	21.5
60°-70°	1394.0	20.8
70°-80°	965.4	14.4
80°-90°	369.6	5.5
90°-100°	106.0	1.6
100°-110°	46.0	0.7
110°-120°	24.8	0.4
120°-130°	15.4	0.2
130°-140°	9.5	0.1
140°-150°	4.6	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6484.1	96.9
0°-180°	6692.0	100.0

Coefficient of Utilization



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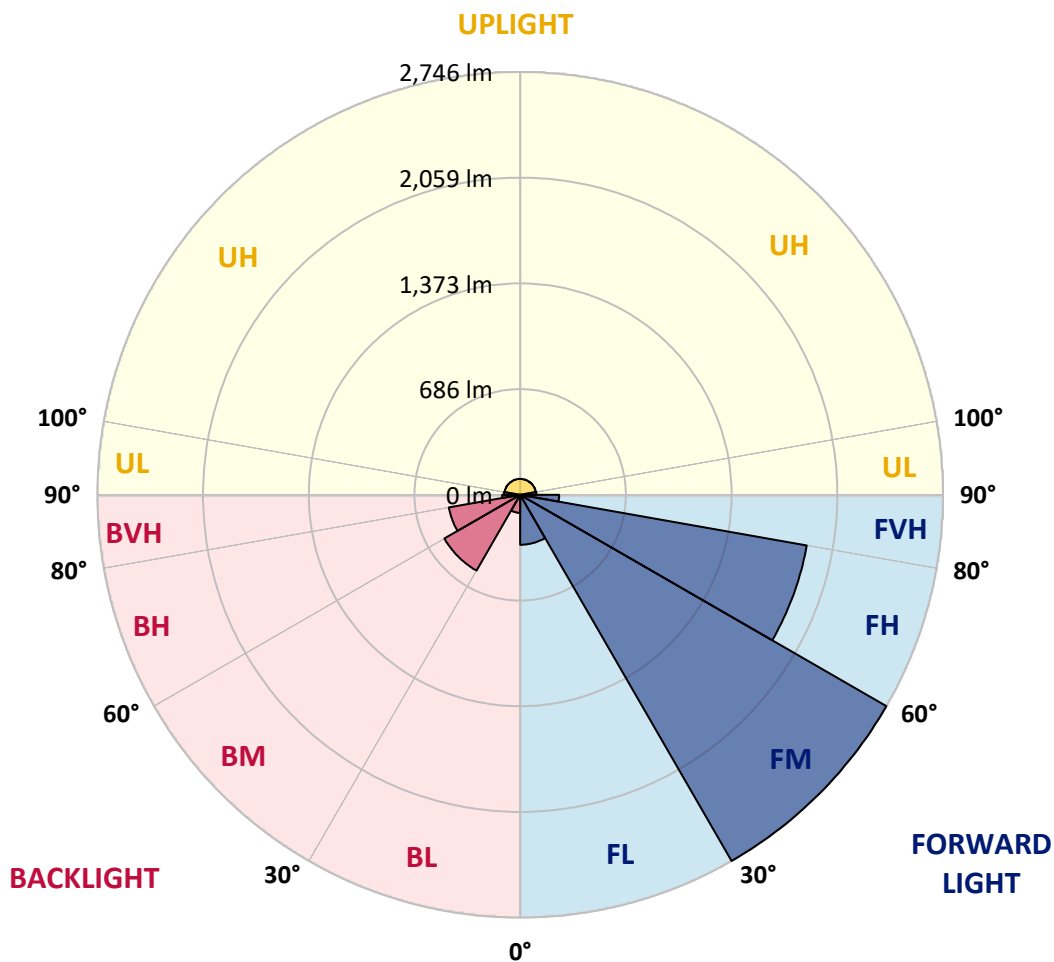
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.4	4.8			
FM	(30°-60°)	2745.7	41.0			
FH	(60°-80°)	1889.5	28.2			G2/5000
FVH	(80°-90°)	252.9	3.8			G3/500
BL	(0°-30°)	117.1	1.7	B1/500		
BM	(30°-60°)	568.0	8.5	B1/1000		
BH	(60°-80°)	469.8	7.0	B1/500		G1/500
BVH	(80°-90°)	116.6	1.7			G2/225
UL	(90°-100°)	106.0	1.6		U3/500	
UH	(100°-180°)	103.2	1.5		U3/500	

BUG Rating: B1-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
2.5°	217.2	215.6	215.6	214.8	211.6	208.4	203.7	198.1	193.4	190.2	187.0
5°	263.9	258.4	260.0	255.2	249.7	243.3	234.6	222.7	211.6	209.2	200.5
7.5°	320.2	313.1	315.4	309.9	299.6	286.1	274.2	256.8	240.1	234.6	221.9
10°	391.5	384.4	380.4	372.5	360.6	343.2	325.0	302.0	279.0	271.1	255.2
12.5°	476.3	470.8	465.2	454.1	435.1	412.9	389.9	364.6	334.5	324.2	299.6
15°	581.7	577.0	565.1	550.0	522.3	497.7	462.9	439.9	402.6	389.9	359.8
17.5°	699.8	690.3	678.4	656.3	624.5	593.6	564.3	525.5	485.1	474.8	437.5
20°	845.7	842.5	819.5	782.3	747.4	705.4	676.9	638.8	593.6	579.4	530.2
22.5°	1018.5	1012.1	985.2	928.9	876.6	822.7	799.7	760.1	727.6	707.8	643.6
25°	1226.1	1214.2	1169.8	1102.5	1028.0	963.8	925.7	911.5	886.1	856.0	777.5
27.5°	1447.2	1448.0	1387.0	1287.1	1183.3	1106.4	1077.1	1082.7	1051.7	1035.1	939.2
30°	1720.7	1700.9	1620.8	1498.0	1357.7	1258.6	1241.2	1268.9	1260.2	1227.7	1114.4
32.5°	1994.1	1987.0	1887.9	1719.9	1536.0	1427.4	1414.7	1475.0	1472.6	1440.1	1295.9
35°	2266.8	2258.8	2136.0	1940.2	1722.3	1597.8	1586.7	1666.0	1694.5	1662.0	1500.3
37.5°	2541.0	2522.8	2399.1	2161.3	1899.0	1754.0	1758.7	1858.6	1925.2	1895.8	1697.7
40°	2782.7	2779.6	2635.3	2365.0	2069.4	1912.5	1944.2	2075.7	2157.4	2117.0	1898.2
42.5°	2968.2	2954.7	2827.1	2533.9	2222.4	2060.7	2115.4	2289.7	2394.4	2366.6	2095.6
45°	3053.8	3045.9	2943.6	2661.5	2341.3	2189.1	2275.5	2487.9	2630.6	2600.4	2298.5
47.5°	3030.8	3023.7	2968.2	2724.1	2419.7	2299.3	2416.6	2680.5	2878.6	2838.2	2500.6
50°	2892.9	2900.0	2882.6	2705.8	2447.5	2369.8	2550.5	2873.1	3121.2	3102.1	2695.5
52.5°	2640.9	2661.5	2689.2	2610.7	2422.1	2401.5	2647.2	3040.3	3362.1	3361.3	2911.9
55°	2313.5	2327.8	2424.5	2410.2	2325.4	2400.7	2718.5	3205.2	3633.2	3637.1	3135.4
57.5°	1966.4	1959.2	2087.6	2162.1	2184.3	2339.7	2753.4	3351.0	3872.5	3900.3	3371.6
60°	1586.7	1612.9	1733.4	1885.5	1968.8	2219.2	2741.5	3454.0	4103.2	4164.2	3586.4
62.5°	1289.5	1277.6	1410.0	1575.6	1744.5	2046.4	2655.1	3502.4	4322.7	4390.9	3784.5
65°	974.1	998.6	1118.3	1264.9	1465.5	1828.5	2515.6	3477.0	4458.2	4545.4	3909.0
67.5°	751.4	770.4	872.6	1010.5	1215.0	1597.0	2314.3	3358.9	4478.8	4611.2	3926.4
70°	581.0	596.0	668.1	785.4	980.4	1341.8	2031.4	3133.8	4366.3	4469.3	3766.3
72.5°	462.9	469.2	519.9	615.0	774.3	1094.5	1723.8	2780.3	4026.3	4118.2	3438.2
75°	363.8	373.3	414.5	485.8	604.7	875.0	1409.2	2349.2	3508.7	3603.8	2985.6
77.5°	289.3	298.8	329.7	379.6	469.2	674.5	1100.9	1914.1	2864.4	2923.0	2378.5
80°	229.8	234.6	260.8	298.0	364.6	519.9	829.0	1452.8	2169.3	2230.3	1767.4
82.5°	174.4	178.3	204.5	237.0	284.5	393.9	599.2	1021.6	1528.1	1544.7	1200.0
85°	125.2	132.4	153.8	180.7	218.0	293.3	429.6	693.5	974.9	1000.2	760.1
87.5°	88.8	91.9	113.3	138.7	166.4	217.2	298.8	456.5	600.0	592.8	461.3
90°	60.2	62.6	81.6	102.2	126.8	162.5	208.4	286.9	368.5	356.7	289.3
92.5°	40.4	44.4	60.2	77.7	99.1	125.2	148.2	187.8	228.3	217.2	183.9
95°	30.1	31.7	46.0	61.8	79.3	95.9	110.2	128.4	145.8	142.7	126.8
97.5°	23.8	25.4	37.3	50.7	64.2	77.7	85.6	91.9	101.4	100.7	91.1
100°	20.6	21.4	31.7	43.6	55.5	65.0	69.7	71.3	74.5	72.9	69.7
102.5°	17.4	19.0	27.7	38.0	48.3	55.5	58.7	57.1	56.3	54.7	51.5
105°	15.9	16.6	24.6	34.1	42.8	48.3	49.1	46.8	42.8	42.0	40.4
107.5°	15.1	15.9	22.2	30.9	38.0	42.8	42.0	38.8	34.1	32.5	31.7
110°	14.3	15.1	20.6	27.7	34.9	38.0	37.3	32.5	26.9	25.4	26.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	14.3	14.3	19.0	25.4	31.7	34.1	32.5	27.7	22.2	21.4	22.2
115°	13.5	14.3	18.2	23.8	28.5	30.9	28.5	23.8	19.0	18.2	19.0
117.5°	13.5	14.3	17.4	22.2	26.9	27.7	25.4	20.6	15.9	15.9	17.4
120°	13.5	14.3	16.6	20.6	24.6	25.4	23.0	18.2	14.3	14.3	15.9
122.5°	14.3	14.3	15.9	19.8	23.0	23.8	20.6	15.9	13.5	13.5	15.1
125°	14.3	14.3	15.9	18.2	21.4	21.4	19.0	14.3	11.9	11.9	14.3
127.5°	14.3	14.3	15.9	17.4	19.8	19.8	17.4	13.5	11.1	11.1	13.5
130°	14.3	15.1	15.1	16.6	18.2	18.2	15.9	11.9	11.1	11.1	12.7
132.5°	15.1	15.1	15.1	15.9	17.4	16.6	13.5	11.1	10.3	10.3	11.9
135°	14.3	14.3	14.3	15.1	15.9	15.1	11.9	9.5	9.5	10.3	11.1
137.5°	14.3	14.3	14.3	13.5	14.3	13.5	11.1	8.7	8.7	9.5	10.3
140°	12.7	13.5	12.7	12.7	12.7	11.9	9.5	7.1	7.9	8.7	8.7
142.5°	11.9	11.9	11.9	11.1	11.1	10.3	7.9	6.3	7.1	7.1	7.9
145°	11.1	11.1	10.3	9.5	9.5	7.9	6.3	5.5	6.3	6.3	7.1
147.5°	9.5	9.5	9.5	7.9	7.1	6.3	4.0	4.0	4.8	5.5	5.5
150°	7.9	7.9	7.9	7.1	5.5	4.8	3.2	4.0	4.0	4.0	4.8
152.5°	6.3	6.3	6.3	5.5	4.8	3.2	2.4	3.2	3.2	3.2	4.0
155°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	1.6
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°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
2.5°	184.7	182.3	178.3	174.4	170.4	166.4	163.3	162.5	160.1	160.1	159.3
5°	195.8	191.8	181.5	173.6	164.9	157.7	152.2	149.8	147.4	145.8	145.8
7.5°	215.6	206.9	191.8	178.3	166.4	156.1	149.0	145.0	141.9	140.3	140.3
10°	242.5	231.4	208.4	188.6	171.2	158.5	150.6	145.8	143.5	141.9	141.1
12.5°	282.2	266.3	233.0	204.5	182.3	166.4	156.1	153.0	153.8	153.8	153.8
15°	336.1	313.1	267.9	229.1	197.4	176.7	169.6	169.6	172.0	172.8	171.2
17.5°	405.8	374.9	311.5	253.6	216.4	195.0	187.0	187.0	191.0	193.4	193.4
20°	491.4	447.0	357.5	286.1	238.6	215.6	206.1	206.9	211.6	214.8	214.8
22.5°	589.7	537.4	416.1	319.4	263.1	233.8	223.5	224.3	232.2	236.2	237.8
25°	717.3	636.4	474.8	353.5	286.1	251.2	240.9	241.7	252.0	257.6	257.6
27.5°	852.0	746.6	534.2	386.8	305.9	267.1	256.8	259.2	270.3	275.0	276.6
30°	995.5	863.9	593.6	415.3	321.8	279.0	268.7	273.4	283.7	290.9	291.7
32.5°	1154.8	978.8	641.2	438.3	335.3	289.3	279.0	286.1	294.8	302.8	303.6
35°	1321.2	1093.0	683.2	454.1	344.0	298.0	286.9	294.0	302.8	309.9	309.1
37.5°	1470.2	1186.5	710.9	460.5	348.7	302.8	292.5	299.6	307.5	313.1	313.1
40°	1616.8	1284.0	724.4	455.7	348.7	305.1	294.8	302.8	309.9	313.1	313.1
42.5°	1756.3	1356.1	722.0	446.2	347.1	305.9	296.4	303.6	309.9	311.5	311.5
45°	1876.8	1422.7	707.8	430.4	341.6	305.1	297.2	303.6	308.3	308.3	309.1
47.5°	2019.5	1475.0	687.2	413.7	335.3	303.6	295.6	302.8	306.7	306.7	305.9
50°	2147.9	1525.7	659.4	395.5	329.7	302.0	294.8	302.0	306.7	305.1	305.1
52.5°	2284.2	1570.9	630.9	378.9	324.2	301.2	294.8	302.0	306.7	305.9	306.7
55°	2410.2	1616.1	595.2	363.8	321.0	300.4	295.6	302.8	309.1	309.1	308.3
57.5°	2571.9	1639.8	567.5	353.5	317.8	300.4	296.4	304.3	312.3	313.1	313.9
60°	2686.0	1670.7	544.5	347.1	317.8	302.0	298.8	306.7	317.0	321.0	323.4
62.5°	2769.3	1669.2	516.8	344.0	318.6	303.6	301.2	309.1	322.6	328.1	331.3
65°	2812.8	1640.6	488.2	341.6	319.4	305.1	302.8	310.7	326.5	336.8	340.0
67.5°	2755.8	1563.7	458.9	337.6	318.6	304.3	303.6	312.3	328.9	342.4	344.0
70°	2617.1	1433.8	424.0	328.9	315.4	302.0	301.2	308.3	326.5	342.4	344.0
72.5°	2353.9	1268.9	383.6	316.2	308.3	296.4	294.0	301.2	318.6	334.5	334.5
75°	2002.0	1077.9	344.0	298.0	294.0	286.9	284.5	288.5	303.6	318.6	319.4
77.5°	1567.7	858.4	302.0	272.6	276.6	271.1	268.7	271.1	284.5	294.8	295.6
80°	1192.8	653.9	261.5	242.5	252.0	250.5	248.1	247.3	256.8	264.7	262.3
82.5°	822.7	465.2	216.4	210.8	221.1	223.5	222.7	217.2	224.3	230.6	226.7
85°	531.0	328.9	180.7	178.3	187.8	191.8	191.0	187.0	188.6	195.8	187.8
87.5°	343.2	236.2	149.0	147.4	155.3	160.1	160.1	152.2	155.3	162.5	153.8
90°	214.8	167.2	124.4	123.6	129.2	131.6	128.4	123.6	125.2	129.2	126.0
92.5°	152.2	126.0	103.8	103.8	105.4	107.0	105.4	99.9	103.0	103.0	103.0
95°	111.0	99.9	90.4	88.8	88.0	87.2	86.4	82.4	85.6	84.8	82.4
97.5°	84.8	80.0	76.9	76.1	74.5	73.7	72.9	69.7	72.1	70.5	69.0
100°	66.6	65.8	65.8	65.8	64.2	61.8	61.8	61.0	61.0	58.7	58.7
102.5°	53.1	53.1	56.3	57.1	55.5	53.9	53.9	53.1	52.3	49.1	48.3
105°	42.0	43.6	48.3	49.1	48.3	46.8	46.0	46.0	44.4	40.4	40.4
107.5°	34.1	35.7	41.2	42.8	42.0	41.2	40.4	39.6	38.0	34.1	34.1
110°	27.7	30.1	34.9	37.3	36.5	35.7	35.7	34.1	32.5	29.3	29.3



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	26.2	30.1	32.5	32.5	31.7	30.9	30.1	27.7	25.4	25.4
115°	20.6	23.0	26.9	28.5	28.5	27.7	26.9	26.2	23.8	22.2	23.0
117.5°	19.0	20.6	23.8	25.4	25.4	24.6	23.8	23.0	21.4	20.6	20.6
120°	17.4	19.0	21.4	23.0	23.0	22.2	21.4	20.6	19.0	19.0	19.0
122.5°	15.9	17.4	19.8	20.6	20.6	19.8	19.0	18.2	16.6	17.4	17.4
125°	15.1	15.9	17.4	19.0	19.0	18.2	17.4	15.9	15.1	15.9	15.9
127.5°	14.3	15.1	16.6	17.4	17.4	16.6	15.1	14.3	13.5	14.3	14.3
130°	13.5	14.3	15.1	15.9	15.9	14.3	13.5	12.7	12.7	13.5	13.5
132.5°	12.7	13.5	13.5	14.3	14.3	13.5	11.9	11.1	11.1	11.9	11.9
135°	11.9	11.9	12.7	12.7	12.7	11.9	10.3	9.5	10.3	11.1	11.1
137.5°	10.3	11.1	11.1	11.9	11.1	10.3	8.7	8.7	9.5	9.5	9.5
140°	9.5	9.5	10.3	10.3	9.5	8.7	7.9	7.1	7.9	8.7	8.7
142.5°	8.7	8.7	8.7	8.7	8.7	7.1	6.3	6.3	7.1	7.1	7.1
145°	7.1	7.1	7.9	7.1	7.1	5.5	4.8	5.5	6.3	6.3	6.3
147.5°	5.5	6.3	6.3	6.3	5.5	4.0	3.2	4.8	5.5	5.5	5.5
150°	4.8	4.8	4.8	4.8	4.8	3.2	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.8	4.8	4.0	2.4	1.6	3.2	4.0	4.0	3.2
155°	3.2	3.2	4.0	4.0	3.2	1.6	1.6	2.4	3.2	3.2	2.4
157.5°	2.4	3.2	3.2	3.2	2.4	1.6	0.8	1.6	2.4	2.4	2.4
160°	2.4	2.4	2.4	3.2	2.4	1.6	0.8	1.6	2.4	1.6	1.6
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)