

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: P416360

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-740-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7963 lumens
Efficiency: N/A
Efficacy: 107.6 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: B2 - U3 - G3

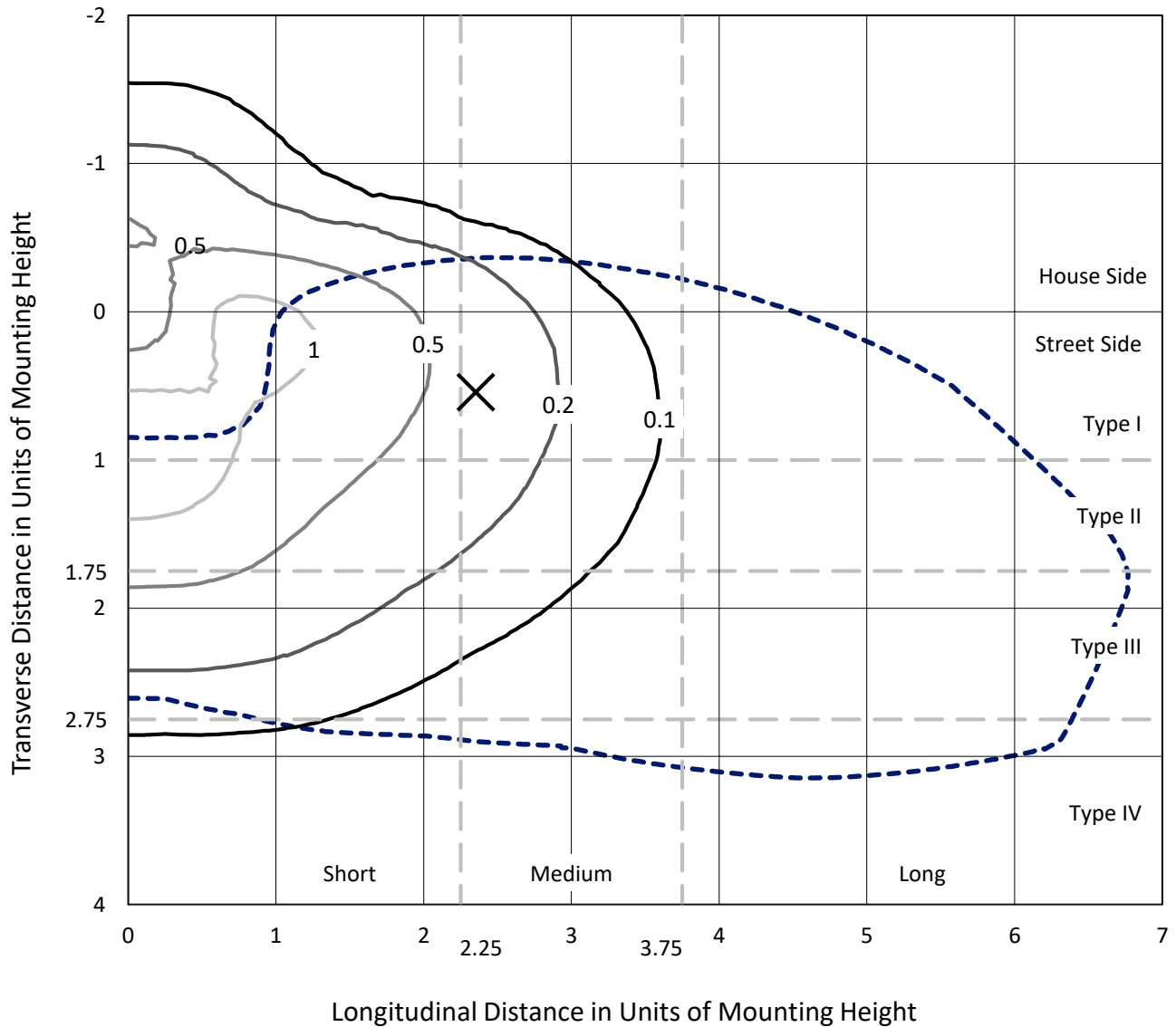
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

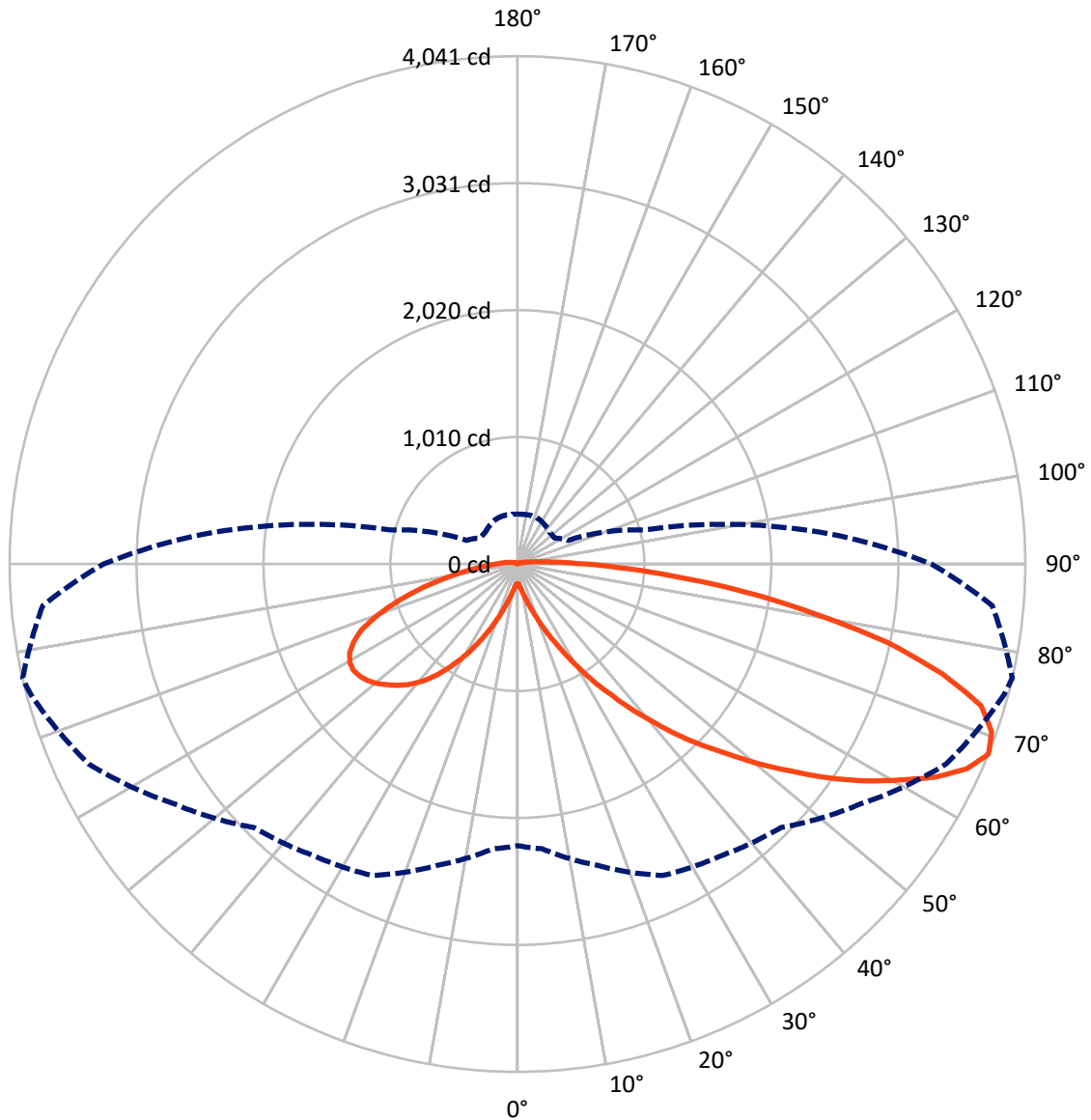
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1816.7	119.6	1936.3
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5893.5	133.2	6026.7
	% Fixture	74.0	1.7	75.7
Total	Lumens	7710.1	252.8	7963.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	0.2
10°-20°	92.4	1.2
20°-30°	275.9	3.5
30°-40°	611.2	7.7
40°-50°	1094.4	13.7
50°-60°	1639.1	20.6
60°-70°	1932.1	24.3
70°-80°	1475.1	18.5
80°-90°	571.8	7.2
90°-100°	145.7	1.8
100°-110°	55.1	0.7
110°-120°	25.9	0.3
120°-130°	13.8	0.2
130°-140°	7.7	0.1
140°-150°	3.5	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7710.1	96.8
0°-180°	7963.0	100.0



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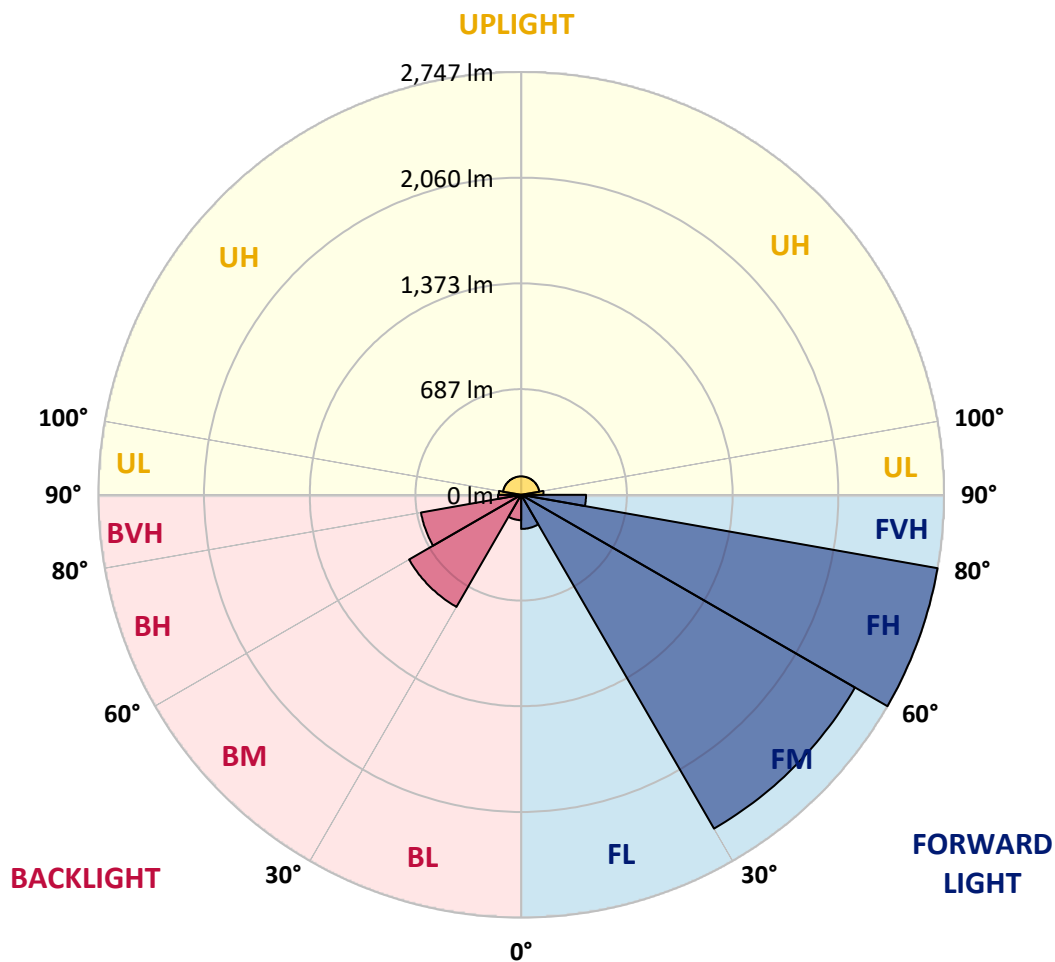
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.0	2.8			
FM	(30°-60°)	2503.8	31.4			
FH	(60°-80°)	2746.6	34.5			G2/5000
FVH	(80°-90°)	421.2	5.3			G3/500
BL	(0°-30°)	164.5	2.1	B1/500		
BM	(30°-60°)	840.9	10.6	B1/1000		
BH	(60°-80°)	660.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	150.7	1.9			G2/225
UL	(90°-100°)	145.7	1.8		U3/500	
UH	(100°-180°)	119.6	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	165.6	164.7	165.6	165.6	166.5	164.7	162.8	161.9	161.0	161.0	160.1
5°	183.0	181.1	182.1	183.0	182.1	180.2	177.5	176.6	174.7	174.7	172.9
7.5°	207.7	207.7	206.8	204.9	206.8	204.0	202.2	201.3	198.5	197.6	196.7
10°	245.2	243.3	242.4	240.6	238.8	237.9	234.2	234.2	229.6	231.5	228.7
12.5°	293.7	290.0	290.9	287.3	281.8	278.1	276.3	275.4	275.4	275.4	274.5
15°	352.2	349.5	348.6	340.3	334.8	330.3	326.6	327.5	332.1	333.0	329.3
17.5°	419.0	423.6	415.3	408.0	399.8	390.6	390.6	390.6	394.3	397.0	395.2
20°	512.3	503.2	494.0	482.1	468.4	461.1	457.4	468.4	474.8	479.4	477.5
22.5°	614.8	605.6	595.6	576.3	557.1	543.4	543.4	557.1	571.8	577.3	579.1
25°	731.0	736.4	711.7	682.5	647.7	635.8	637.6	657.8	679.7	684.3	695.3
27.5°	874.6	874.6	853.5	806.9	761.1	737.4	739.2	772.1	805.1	811.5	819.7
30°	1049.3	1042.9	1014.6	952.3	892.0	847.1	855.4	895.6	947.8	953.3	963.3
32.5°	1244.2	1243.3	1188.4	1111.5	1024.6	971.6	975.2	1033.8	1098.7	1114.3	1125.2
35°	1460.1	1465.6	1394.2	1282.6	1182.0	1110.6	1122.5	1189.3	1265.2	1268.9	1282.6
37.5°	1707.1	1704.3	1619.3	1497.6	1347.6	1271.6	1262.5	1353.0	1432.6	1456.4	1449.1
40°	1980.6	1951.3	1869.0	1718.1	1533.3	1431.7	1433.5	1526.9	1634.8	1642.1	1640.3
42.5°	2250.5	2237.7	2138.0	1934.0	1736.4	1616.5	1621.1	1710.7	1822.4	1850.7	1830.6
45°	2541.4	2509.4	2401.4	2191.0	1950.4	1820.5	1808.6	1909.3	2031.8	2053.8	2034.6
47.5°	2776.5	2756.4	2661.3	2437.1	2180.1	2013.6	1995.3	2118.8	2258.7	2260.6	2232.2
50°	2971.4	2961.3	2886.3	2687.8	2402.4	2229.5	2210.2	2332.8	2479.2	2503.0	2461.8
52.5°	3139.7	3123.2	3085.7	2890.0	2604.5	2414.2	2411.5	2546.0	2729.0	2739.9	2700.6
55°	3193.7	3203.8	3198.3	3060.1	2803.1	2597.2	2620.1	2801.2	2965.0	3003.4	2929.3
57.5°	3185.5	3185.5	3237.6	3174.5	2935.7	2762.8	2812.2	3030.8	3244.0	3255.9	3167.2
60°	3061.0	3063.8	3189.1	3206.5	3030.8	2904.6	3020.8	3264.1	3482.8	3490.1	3406.8
62.5°	2881.7	2875.3	3059.2	3147.0	3042.7	2988.8	3169.9	3468.1	3707.8	3732.5	3607.2
65°	2601.8	2613.7	2812.2	2986.9	2980.5	3020.8	3286.1	3652.0	3890.8	3926.5	3745.3
67.5°	2240.4	2275.2	2483.8	2734.4	2831.4	2965.0	3329.1	3764.5	4009.7	4040.8	3792.0
70°	1856.2	1848.0	2073.9	2388.6	2578.0	2822.3	3281.5	3769.1	4012.5	4002.4	3692.3
72.5°	1407.9	1442.7	1645.8	1966.0	2246.8	2551.5	3126.9	3652.0	3858.8	3856.9	3428.8
75°	1000.8	1021.9	1201.2	1521.4	1856.2	2234.9	2818.6	3396.8	3548.6	3493.8	3047.3
77.5°	660.5	679.7	834.3	1126.2	1436.3	1837.0	2404.2	2951.3	3072.0	3015.3	2560.6
80°	410.8	419.9	537.0	768.5	1043.8	1423.5	1946.8	2413.3	2460.9	2403.3	1971.5
82.5°	244.3	251.6	335.7	493.1	743.8	1036.5	1467.4	1849.8	1865.3	1826.0	1421.7
85°	150.0	160.1	214.1	329.3	495.8	731.0	1022.8	1285.3	1296.3	1250.6	939.5
87.5°	97.9	103.4	145.5	214.1	333.9	489.4	685.2	855.4	830.7	802.3	593.7
90°	66.8	70.4	99.7	147.3	226.0	323.9	433.6	535.2	495.8	473.9	360.4
92.5°	46.7	50.3	73.2	106.1	156.4	216.8	281.8	320.2	303.7	293.7	226.9
95°	36.6	38.4	55.8	82.3	116.2	153.7	186.6	198.5	188.5	181.1	152.8
97.5°	29.3	31.1	46.7	66.8	90.6	114.4	129.9	133.6	123.5	119.8	106.1
100°	24.7	26.5	39.3	55.8	74.1	90.6	97.0	96.1	87.8	86.0	76.8
102.5°	22.0	22.9	34.8	48.5	63.1	73.2	76.8	72.3	64.0	63.1	57.6
105°	19.2	21.0	30.2	42.1	54.0	62.2	62.2	56.7	47.6	46.7	43.9
107.5°	18.3	18.3	26.5	36.6	46.7	52.1	52.1	45.7	37.5	35.7	33.8
110°	16.5	17.4	23.8	32.0	40.3	44.8	43.9	36.6	28.4	27.4	26.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.6	15.6	21.0	28.4	34.8	38.4	36.6	30.2	22.9	22.0	21.0
115°	14.6	14.6	19.2	25.6	31.1	33.8	31.1	24.7	18.3	17.4	18.3
117.5°	13.7	14.6	17.4	22.9	27.4	29.3	26.5	21.0	15.6	14.6	15.6
120°	13.7	13.7	16.5	20.1	23.8	25.6	22.9	17.4	12.8	12.8	13.7
122.5°	13.7	13.7	15.6	18.3	21.0	22.0	19.2	14.6	11.9	11.9	12.8
125°	12.8	12.8	14.6	16.5	19.2	19.2	17.4	12.8	10.1	10.1	11.9
127.5°	12.8	12.8	13.7	15.6	17.4	17.4	14.6	11.0	9.1	10.1	11.0
130°	11.9	11.9	12.8	13.7	15.6	14.6	12.8	10.1	8.2	9.1	10.1
132.5°	11.9	11.9	11.9	12.8	13.7	12.8	11.0	8.2	8.2	8.2	9.1
135°	11.0	11.0	11.9	11.9	11.9	11.0	9.1	7.3	7.3	7.3	8.2
137.5°	11.0	11.0	11.0	11.0	11.0	10.1	8.2	6.4	6.4	6.4	7.3
140°	10.1	10.1	10.1	9.1	9.1	8.2	6.4	5.5	5.5	5.5	6.4
142.5°	9.1	9.1	9.1	8.2	8.2	6.4	5.5	4.6	4.6	5.5	5.5
145°	8.2	8.2	8.2	7.3	6.4	5.5	3.7	3.7	4.6	4.6	5.5
147.5°	6.4	6.4	6.4	6.4	4.6	4.6	2.7	3.7	3.7	4.6	4.6
150°	5.5	5.5	5.5	5.5	3.7	2.7	1.8	2.7	3.7	3.7	3.7
152.5°	4.6	4.6	4.6	4.6	2.7	1.8	1.8	2.7	2.7	2.7	3.7
155°	2.7	2.7	3.7	2.7	1.8	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	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°	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4	156.4
2.5°	159.2	160.1	159.2	158.3	158.3	157.4	157.4	157.4	157.4	156.4	156.4
5°	173.8	172.9	172.0	170.2	168.3	166.5	166.5	165.6	164.7	163.8	163.8
7.5°	193.9	193.9	192.1	189.4	186.6	184.8	183.0	182.1	179.3	179.3	178.4
10°	225.0	225.0	219.6	216.8	212.2	207.7	205.8	203.1	201.3	200.3	199.4
12.5°	269.9	267.1	261.6	252.5	243.3	236.0	231.5	229.6	230.5	230.5	231.5
15°	327.5	322.0	313.8	296.4	279.9	269.0	266.2	266.2	267.1	267.1	268.0
17.5°	396.1	387.9	369.6	347.6	323.9	309.2	302.8	302.8	304.6	307.4	310.1
20°	479.4	472.1	443.7	405.3	369.6	350.4	339.4	338.5	342.1	350.4	348.6
22.5°	573.6	565.4	523.3	467.5	418.1	387.0	375.1	378.7	387.9	393.4	393.4
25°	687.0	673.3	610.2	528.8	465.7	421.7	406.2	411.7	425.4	431.8	434.5
27.5°	808.7	790.4	706.3	595.6	503.2	450.1	433.6	441.0	457.4	467.5	470.2
30°	953.3	921.2	806.9	657.8	537.0	470.2	452.8	466.6	484.9	496.8	499.5
32.5°	1105.1	1055.7	893.8	710.8	561.7	483.9	466.6	483.0	503.2	516.9	517.8
35°	1257.0	1200.3	989.9	753.8	574.5	490.4	472.1	491.3	513.2	524.2	526.9
37.5°	1421.7	1343.0	1073.1	781.3	580.0	489.4	472.1	491.3	512.3	521.5	523.3
40°	1579.9	1482.9	1147.2	797.7	578.2	482.1	465.7	485.8	504.1	510.5	509.6
42.5°	1757.4	1618.3	1206.7	798.7	565.4	471.1	457.4	474.8	487.6	486.7	487.6
45°	1926.6	1762.0	1250.6	792.2	548.0	457.4	446.4	462.0	466.6	462.0	461.1
47.5°	2112.4	1904.7	1285.3	775.8	526.9	444.6	434.5	446.4	447.4	437.3	435.5
50°	2309.0	2047.4	1317.4	745.6	502.2	430.0	423.6	433.6	431.8	415.3	412.6
52.5°	2501.2	2191.9	1337.5	709.0	477.5	417.2	414.4	424.5	419.0	399.8	396.1
55°	2706.1	2325.5	1341.1	672.4	453.8	406.2	406.2	417.2	410.8	390.6	387.9
57.5°	2906.4	2465.5	1327.4	624.8	430.9	394.3	399.8	412.6	408.0	387.9	386.1
60°	3094.0	2570.7	1289.9	580.0	409.8	386.1	395.2	409.8	406.2	389.7	387.9
62.5°	3239.4	2640.2	1230.5	536.1	391.5	377.8	390.6	405.3	406.2	392.5	393.4
65°	3307.1	2640.2	1144.5	492.2	375.1	369.6	386.1	402.5	404.4	396.1	396.1
67.5°	3292.5	2572.5	1047.5	446.4	359.5	359.5	379.7	397.0	400.7	397.0	397.0
70°	3137.9	2389.5	914.8	409.8	344.0	347.6	369.6	387.9	393.4	394.3	393.4
72.5°	2886.3	2114.2	777.6	371.4	327.5	335.7	356.8	375.1	382.4	384.2	383.3
75°	2497.5	1794.9	643.1	339.4	310.1	320.2	342.1	357.7	365.9	369.6	367.8
77.5°	2007.1	1424.4	526.9	307.4	290.0	301.0	322.0	334.8	344.9	349.5	345.8
80°	1529.6	1060.3	419.0	275.4	265.3	277.2	295.5	309.2	318.4	320.2	317.4
82.5°	1085.9	752.0	335.7	245.2	238.8	248.8	265.3	274.5	285.4	284.5	279.0
85°	711.7	510.5	263.5	213.2	210.4	216.8	229.6	235.1	246.1	246.1	239.7
87.5°	462.9	338.5	207.7	179.3	182.1	187.5	193.9	198.5	203.1	204.0	198.5
90°	295.5	231.5	165.6	152.8	155.5	160.1	160.1	159.2	166.5	168.3	163.8
92.5°	193.9	164.7	137.2	129.9	131.7	132.7	132.7	129.0	135.4	136.3	132.7
95°	136.3	123.5	113.4	111.6	111.6	111.6	109.8	105.2	110.7	110.7	108.9
97.5°	102.5	96.1	95.1	95.1	95.1	94.2	91.5	89.7	91.5	91.5	90.6
100°	76.8	75.9	78.7	80.5	81.4	80.5	78.7	75.9	75.9	72.3	73.2
102.5°	58.5	60.4	65.9	68.6	68.6	68.6	67.7	64.0	62.2	58.5	57.6
105°	45.7	47.6	54.0	57.6	58.5	59.5	57.6	54.0	50.3	46.7	45.7
107.5°	35.7	38.4	43.9	48.5	50.3	50.3	49.4	45.7	41.2	36.6	36.6
110°	29.3	31.1	36.6	41.2	43.0	43.0	42.1	37.5	32.9	29.3	29.3



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CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	25.6	31.1	34.8	36.6	37.5	35.7	32.0	27.4	23.8	23.8
115°	20.1	22.0	26.5	29.3	31.1	31.1	30.2	26.5	22.9	20.1	20.1
117.5°	17.4	19.2	22.9	25.6	26.5	27.4	25.6	22.9	19.2	17.4	17.4
120°	15.6	16.5	20.1	22.0	22.9	22.9	22.0	19.2	16.5	15.6	15.6
122.5°	13.7	15.6	17.4	19.2	20.1	20.1	19.2	16.5	14.6	13.7	14.6
125°	12.8	13.7	15.6	17.4	17.4	17.4	16.5	14.6	12.8	12.8	12.8
127.5°	11.9	12.8	13.7	14.6	15.6	15.6	14.6	12.8	11.9	11.9	11.9
130°	11.0	11.9	12.8	12.8	13.7	13.7	12.8	11.0	11.0	11.0	11.0
132.5°	10.1	11.0	11.0	11.9	11.9	11.9	11.0	10.1	10.1	10.1	10.1
135°	9.1	9.1	10.1	10.1	10.1	10.1	9.1	9.1	9.1	9.1	9.1
137.5°	8.2	8.2	9.1	8.2	9.1	8.2	8.2	7.3	8.2	8.2	8.2
140°	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4	7.3	7.3	7.3
142.5°	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5	6.4	6.4	6.4
145°	5.5	5.5	5.5	4.6	4.6	3.7	4.6	4.6	5.5	5.5	5.5
147.5°	4.6	4.6	4.6	4.6	3.7	2.7	2.7	3.7	4.6	4.6	4.6
150°	3.7	4.6	4.6	3.7	2.7	1.8	1.8	2.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.9	1.8	2.7	2.7	2.7
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	1.8	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	0.9	0.9
160°	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.9	0.9	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)