

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: P416294

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7523 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): 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

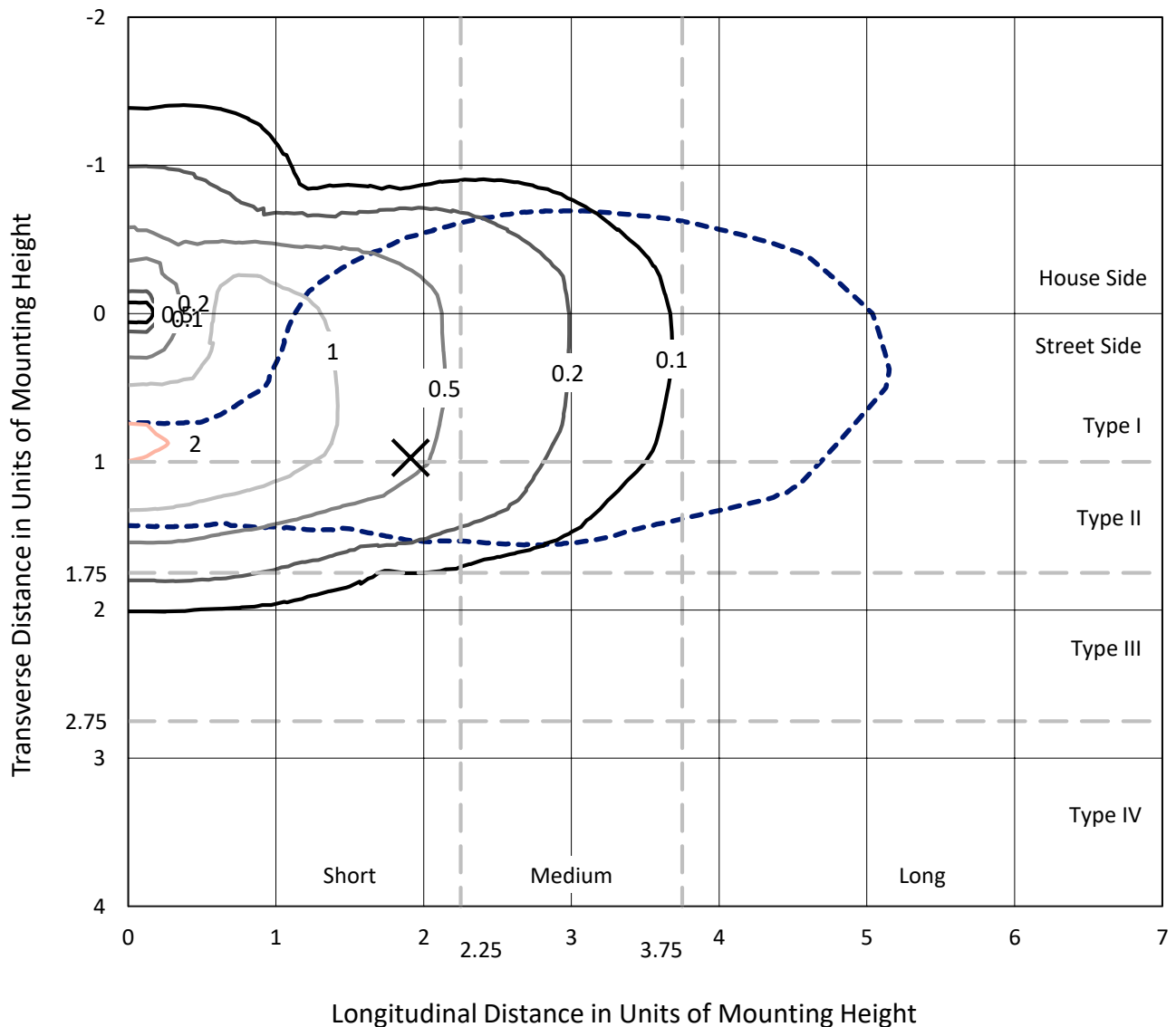


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

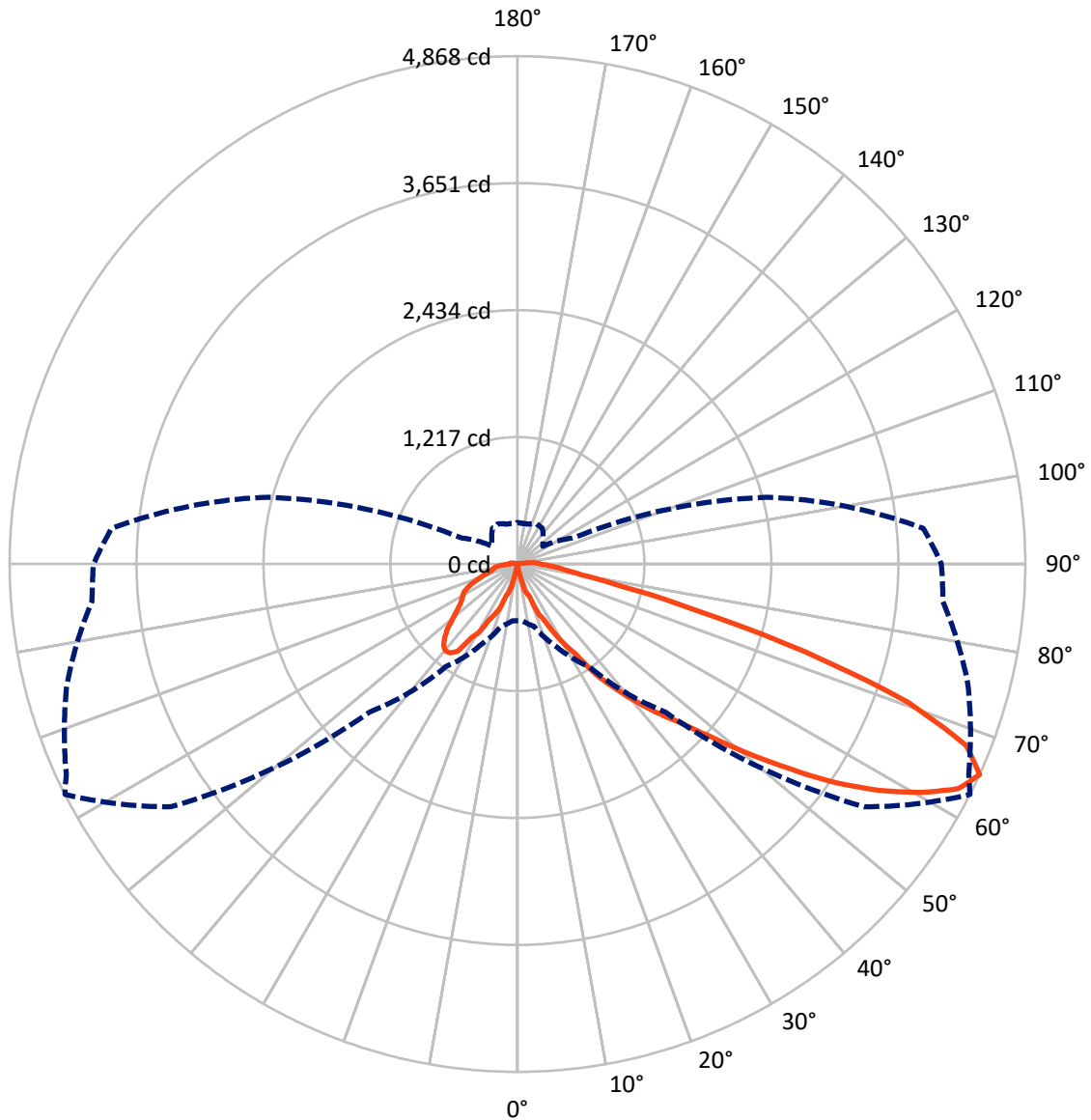


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2141.0	62.2	2203.1
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5262.0	57.9	5319.9
	% Fixture	69.9	0.8	70.7
Total	Lumens	7403.0	120.0	7523.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	67.6	0.9
20°-30°	276.4	3.7
30°-40°	718.1	9.5
40°-50°	1365.5	18.2
50°-60°	1838.2	24.4
60°-70°	1741.4	23.1
70°-80°	1091.3	14.5
80°-90°	299.6	4.0
90°-100°	83.9	1.1
100°-110°	15.6	0.2
110°-120°	7.5	0.1
120°-130°	5.5	0.1
130°-140°	3.6	0.0
140°-150°	2.9	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7403.0	98.4
0°-180°	7523.0	100.0



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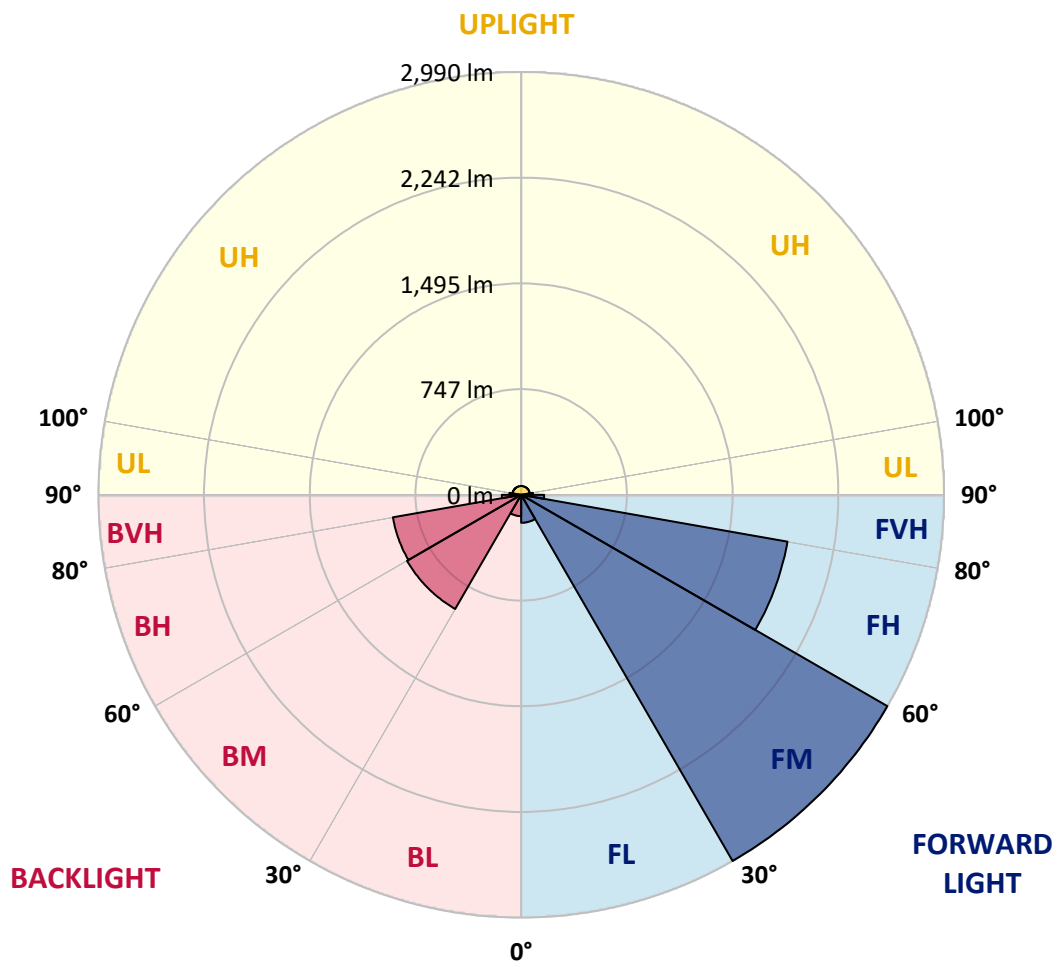
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.0	2.6			
FM (30°-60°)	2989.7	39.7			
FH (60°-80°)	1911.8	25.4			G2/5000
FVH (80°-90°)	162.5	2.2			G2/225
BL (0°-30°)	150.8	2.0	B1/500		
BM (30°-60°)	932.1	12.4	B1/1000		
BH (60°-80°)	920.9	12.2	B2/1000		G2/1000
BVH (80°-90°)	137.1	1.8			G2/225
UL (90°-100°)	83.9	1.1		U3/500	
UH (100°-180°)	62.2	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	10.0	9.2	10.0	10.0	9.2	8.3	7.5	6.7	5.8	4.2	3.3
5°	117.5	118.3	116.6	114.1	40.8	18.3	10.8	8.3	7.5	5.0	4.2
7.5°	135.0	134.1	133.3	131.6	125.8	118.3	64.2	15.0	11.7	6.7	4.2
10°	148.3	146.6	142.5	141.6	135.8	131.6	121.6	78.3	65.8	11.7	8.3
12.5°	270.0	264.1	259.1	214.1	150.0	141.6	135.8	118.3	115.8	74.2	110.8
15°	282.5	283.3	280.0	275.0	263.3	176.6	220.0	266.6	265.8	230.0	226.6
17.5°	320.8	318.3	305.8	293.3	289.1	314.1	311.6	297.5	297.5	263.3	249.1
20°	495.8	491.6	484.1	403.3	359.1	405.8	380.8	331.6	333.3	406.6	441.6
22.5°	574.1	572.4	557.4	521.6	508.3	447.4	501.6	519.1	509.1	514.9	493.3
25°	785.7	777.4	711.6	648.2	655.7	604.1	603.2	592.4	586.6	560.7	599.9
27.5°	999.8	993.2	978.2	889.0	757.4	728.2	681.6	744.0	727.4	787.4	800.7
30°	1324.8	1264.0	1137.3	1077.3	1034.0	894.9	881.5	900.7	895.7	879.0	864.0
32.5°	1663.1	1638.1	1563.9	1344.8	1207.3	1127.3	1088.2	1029.0	1001.5	1180.6	1193.1
35°	2016.3	1993.0	1811.4	1683.9	1448.1	1318.1	1296.5	1304.8	1268.1	1355.6	1334.8
37.5°	2637.9	2626.2	2443.8	2048.0	1801.4	1547.3	1517.3	1507.3	1449.8	1513.1	1513.9
40°	3037.0	3017.8	2816.2	2524.6	2127.2	1915.5	1769.7	1712.2	1697.2	1700.6	1701.4
42.5°	3333.6	3302.8	3185.3	2917.0	2502.1	2253.8	2048.0	1937.2	1967.2	1908.9	1905.5
45°	3526.1	3509.4	3402.8	3178.7	2891.2	2767.9	2403.8	2153.8	2254.6	2150.5	2145.5
47.5°	3569.4	3561.9	3487.8	3375.3	3255.3	3203.7	2832.9	2450.4	2542.9	2497.1	2403.8
50°	3381.1	3387.8	3360.3	3401.1	3531.9	3591.1	3285.3	2843.7	2894.5	2785.4	2666.2
52.5°	2969.5	2968.7	3068.7	3249.5	3633.6	3870.2	3704.4	3252.8	3250.3	3052.8	2917.9
55°	2383.8	2428.8	2597.9	2878.7	3494.4	3998.5	4101.8	3702.7	3632.8	3365.3	3142.0
57.5°	1816.4	1874.7	2082.2	2337.1	3098.7	3907.7	4391.0	4093.5	4021.0	3646.9	3379.5
60°	1229.0	1251.5	1513.1	1808.0	2464.6	3558.6	4526.8	4446.0	4366.0	3934.4	3619.4
62.5°	819.0	839.0	989.0	1348.1	1767.2	2892.0	4439.3	4743.4	4637.6	4274.3	3870.2
65°	544.9	544.9	619.1	867.4	1202.3	2008.0	4056.0	4867.6	4771.7	4470.9	4092.7
67.5°	401.6	408.3	432.4	559.1	819.0	1201.5	3226.1	4638.4	4648.4	4493.4	4163.5
70°	364.1	368.3	389.1	421.6	584.9	714.9	2132.2	3973.5	4146.0	4323.5	4072.7
72.5°	318.3	319.9	353.3	388.3	460.8	548.2	1239.8	2887.9	3250.3	3953.5	3822.7
75°	266.6	269.1	295.8	348.3	398.3	459.9	659.9	1758.1	2118.8	3394.5	3491.9
77.5°	216.6	222.5	244.1	285.0	365.8	385.8	506.6	1004.8	1227.3	2527.9	2952.0
80°	166.6	172.5	191.6	224.1	299.1	340.8	420.8	618.2	744.0	1571.4	2063.0
82.5°	114.1	118.3	137.5	161.6	214.1	284.1	348.3	455.8	492.4	859.9	1138.2
85°	80.8	83.3	95.8	106.6	133.3	186.6	290.8	361.6	371.6	455.8	463.3
87.5°	45.8	45.0	46.7	54.2	60.8	72.5	171.6	265.0	277.5	317.4	295.0
90°	31.7	30.8	25.8	25.0	28.3	30.8	97.5	210.8	221.6	255.8	262.5
92.5°	33.3	31.7	25.0	23.3	26.7	28.3	65.0	184.1	207.5	255.8	270.0
95°	31.7	30.0	22.5	20.0	24.2	25.0	40.0	126.6	163.3	239.1	264.1
97.5°	27.5	25.8	18.3	16.7	20.0	20.0	22.5	58.3	80.0	111.6	125.8
100°	22.5	20.8	15.0	13.3	14.2	15.0	14.2	29.2	29.2	30.8	24.2
102.5°	20.0	19.2	12.5	10.8	10.0	10.0	9.2	14.2	15.0	16.7	20.8
105°	17.5	16.7	10.8	9.2	7.5	7.5	6.7	9.2	10.0	14.2	20.0
107.5°	12.5	12.5	9.2	7.5	6.7	6.7	5.0	7.5	8.3	12.5	20.8
110°	8.3	8.3	6.7	6.7	5.8	6.7	5.0	7.5	7.5	10.0	15.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.7	6.7	5.8	5.0	4.2	5.0	5.8	6.7	6.7	7.5	10.0
115°	6.7	5.8	5.0	4.2	3.3	4.2	4.2	5.8	5.8	7.5	10.0
117.5°	6.7	6.7	5.0	4.2	3.3	3.3	4.2	5.0	5.0	7.5	10.8
120°	6.7	6.7	5.0	4.2	3.3	2.5	3.3	5.0	5.0	6.7	10.0
122.5°	6.7	6.7	5.0	4.2	3.3	2.5	3.3	4.2	4.2	5.8	10.0
125°	7.5	7.5	5.8	4.2	3.3	2.5	3.3	3.3	3.3	5.8	9.2
127.5°	7.5	7.5	5.8	4.2	3.3	2.5	3.3	3.3	3.3	5.0	7.5
130°	7.5	7.5	5.8	4.2	3.3	2.5	3.3	2.5	2.5	4.2	6.7
132.5°	7.5	6.7	5.8	5.0	4.2	3.3	3.3	2.5	2.5	2.5	5.0
135°	6.7	6.7	5.8	5.0	4.2	3.3	3.3	2.5	2.5	2.5	3.3
137.5°	6.7	6.7	6.7	5.8	5.0	4.2	3.3	2.5	2.5	2.5	2.5
140°	7.5	7.5	7.5	6.7	5.0	4.2	3.3	2.5	2.5	2.5	2.5
142.5°	8.3	8.3	8.3	7.5	5.0	4.2	4.2	2.5	2.5	2.5	2.5
145°	9.2	9.2	9.2	7.5	5.0	4.2	4.2	3.3	3.3	2.5	3.3
147.5°	10.0	10.0	9.2	7.5	4.2	3.3	3.3	3.3	3.3	3.3	3.3
150°	9.2	8.3	8.3	5.8	3.3	1.7	2.5	2.5	2.5	3.3	3.3
152.5°	6.7	6.7	5.8	4.2	2.5	0.8	1.7	1.7	2.5	2.5	2.5
155°	4.2	4.2	3.3	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	3.3	3.3	4.2	5.0	5.0	5.8	5.8	5.8	5.8	5.8	5.8
5°	3.3	3.3	4.2	5.0	5.8	6.7	7.5	7.5	7.5	8.3	8.3
7.5°	4.2	4.2	4.2	5.8	6.7	9.2	25.0	75.0	115.8	119.1	120.8
10°	8.3	8.3	8.3	8.3	18.3	106.6	132.5	138.3	141.6	144.1	144.1
12.5°	111.6	110.8	40.0	20.0	91.7	138.3	146.6	150.8	154.1	156.6	157.5
15°	226.6	227.5	227.5	230.0	166.6	150.8	159.1	235.0	278.3	286.6	290.0
17.5°	248.3	248.3	247.5	275.8	310.0	245.0	273.3	298.3	306.6	310.8	312.4
20°	453.3	452.4	364.9	316.6	327.4	406.6	305.8	317.4	324.1	386.6	388.3
22.5°	499.9	497.4	486.6	489.1	385.8	439.9	419.1	406.6	445.8	444.1	445.8
25°	614.1	554.1	530.7	525.7	559.1	457.4	485.8	420.8	430.8	429.1	430.8
27.5°	804.0	782.4	728.2	615.7	595.7	564.9	486.6	441.6	496.6	509.1	510.8
30°	862.4	834.9	777.4	782.4	664.1	574.9	474.1	489.1	469.9	468.3	464.9
32.5°	1182.3	1146.5	1059.8	853.2	739.9	539.9	476.6	444.9	454.9	488.3	489.9
35°	1317.3	1276.5	1215.6	1089.0	717.4	529.9	435.8	434.1	440.8	441.6	439.9
37.5°	1470.6	1417.3	1359.8	1147.3	749.0	479.9	406.6	407.4	422.4	451.6	448.3
40°	1648.9	1589.7	1496.4	1181.5	672.4	449.9	387.4	399.9	415.8	409.1	403.3
42.5°	1849.7	1753.1	1606.4	1174.8	584.9	414.9	382.4	390.8	388.3	375.8	372.4
45°	2057.2	1954.7	1713.9	1119.0	505.8	392.4	373.3	375.8	365.8	349.9	346.6
47.5°	2296.3	2161.3	1774.7	1037.3	442.4	390.8	370.8	362.4	343.3	329.1	328.3
50°	2537.1	2389.6	1869.7	928.2	394.9	384.1	376.6	359.1	335.8	321.6	319.9
52.5°	2772.9	2643.7	1972.2	836.5	359.1	376.6	379.1	360.8	335.8	314.9	314.1
55°	3009.5	2896.2	2083.0	764.0	334.9	375.8	388.3	365.8	340.8	310.0	309.1
57.5°	3247.0	3137.0	2189.6	715.7	324.1	364.9	394.1	381.6	354.1	328.3	329.9
60°	3528.6	3398.6	2315.5	681.6	319.9	359.1	399.1	399.9	362.4	333.3	337.4
62.5°	3805.2	3673.6	2422.1	649.9	309.1	353.3	401.6	414.1	380.8	355.8	359.9
65°	4062.7	3906.0	2471.3	589.1	295.8	346.6	416.6	426.6	394.9	392.4	397.4
67.5°	4161.0	4015.2	2422.9	513.3	287.5	346.6	432.4	444.1	409.9	423.3	436.6
70°	4066.0	3944.4	2301.3	418.3	290.0	349.1	434.9	452.4	431.6	442.4	454.1
72.5°	3771.1	3616.1	2005.5	336.6	290.0	345.8	424.1	439.1	423.3	459.1	470.8
75°	3398.6	3128.7	1596.4	277.5	281.6	344.1	399.1	416.6	400.8	438.3	450.8
77.5°	2807.0	2461.3	1104.0	245.0	270.0	329.1	373.3	376.6	360.8	383.3	389.1
80°	1979.7	1658.9	699.1	221.6	258.3	297.5	330.8	324.9	309.1	313.3	318.3
82.5°	1104.0	877.4	407.4	204.1	242.5	247.5	270.8	272.5	251.6	252.5	253.3
85°	438.3	405.8	275.8	171.6	195.8	178.3	202.5	210.8	190.8	167.5	162.5
87.5°	290.8	275.8	192.5	117.5	120.0	100.8	131.6	136.6	112.5	97.5	96.7
90°	276.6	268.3	165.8	79.2	66.7	55.0	73.3	70.8	54.2	47.5	48.3
92.5°	285.0	280.0	168.3	75.8	65.0	52.5	65.0	55.8	40.8	35.8	36.7
95°	280.8	278.3	164.1	74.2	61.7	48.3	55.0	45.0	31.7	28.3	28.3
97.5°	133.3	140.8	101.7	66.7	55.0	40.8	42.5	34.2	22.5	20.8	20.0
100°	20.0	31.7	55.0	61.7	40.8	28.3	27.5	22.5	14.2	13.3	13.3
102.5°	20.8	22.5	34.2	42.5	22.5	15.0	15.0	13.3	10.8	12.5	12.5
105°	22.5	20.8	20.0	23.3	13.3	9.2	8.3	8.3	9.2	13.3	14.2
107.5°	24.2	22.5	15.8	12.5	10.0	8.3	6.7	5.8	8.3	14.2	15.0
110°	18.3	17.5	13.3	10.0	10.0	9.2	5.8	5.8	9.2	15.0	16.7



REPORT NUMBER: P416294

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	12.5	11.7	9.2	8.3	8.3	5.8	5.8	9.2	15.8	17.5
115°	11.7	11.7	10.0	7.5	6.7	6.7	5.8	5.0	9.2	16.7	17.5
117.5°	11.7	11.7	10.0	7.5	5.8	5.0	5.0	5.0	9.2	16.7	17.5
120°	11.7	11.7	10.0	6.7	5.8	5.0	5.0	5.0	9.2	15.8	17.5
122.5°	10.8	10.8	9.2	6.7	5.0	5.0	5.0	5.0	9.2	15.0	15.8
125°	10.0	10.0	8.3	5.8	5.0	4.2	5.0	5.0	8.3	13.3	14.2
127.5°	8.3	9.2	7.5	5.8	5.0	4.2	5.0	5.0	7.5	11.7	12.5
130°	7.5	7.5	6.7	5.0	4.2	4.2	5.0	5.0	7.5	10.8	11.7
132.5°	5.8	5.8	5.0	5.0	4.2	4.2	4.2	4.2	5.8	9.2	9.2
135°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0	6.7	7.5
137.5°	3.3	3.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.8	5.8
140°	2.5	3.3	3.3	4.2	4.2	4.2	4.2	4.2	4.2	5.0	5.0
142.5°	2.5	3.3	3.3	4.2	4.2	4.2	4.2	4.2	5.0	5.8	5.8
145°	3.3	3.3	4.2	4.2	4.2	3.3	4.2	4.2	5.0	5.8	5.8
147.5°	3.3	3.3	4.2	4.2	4.2	3.3	3.3	4.2	5.0	5.8	5.8
150°	3.3	3.3	4.2	4.2	3.3	2.5	3.3	3.3	4.2	5.8	5.8
152.5°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	2.5	3.3	4.2	4.2
155°	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	3.3
157.5°	1.7	1.7	1.7	2.5	1.7	1.7	0.8	0.8	0.8	1.7	1.7
160°	0.8	0.8	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
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

(END OF REPORT)