

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: P415869

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6578 lumens
Efficiency: N/A
Efficacy: 102.8 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 - G2

Input Watts (W): 64
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

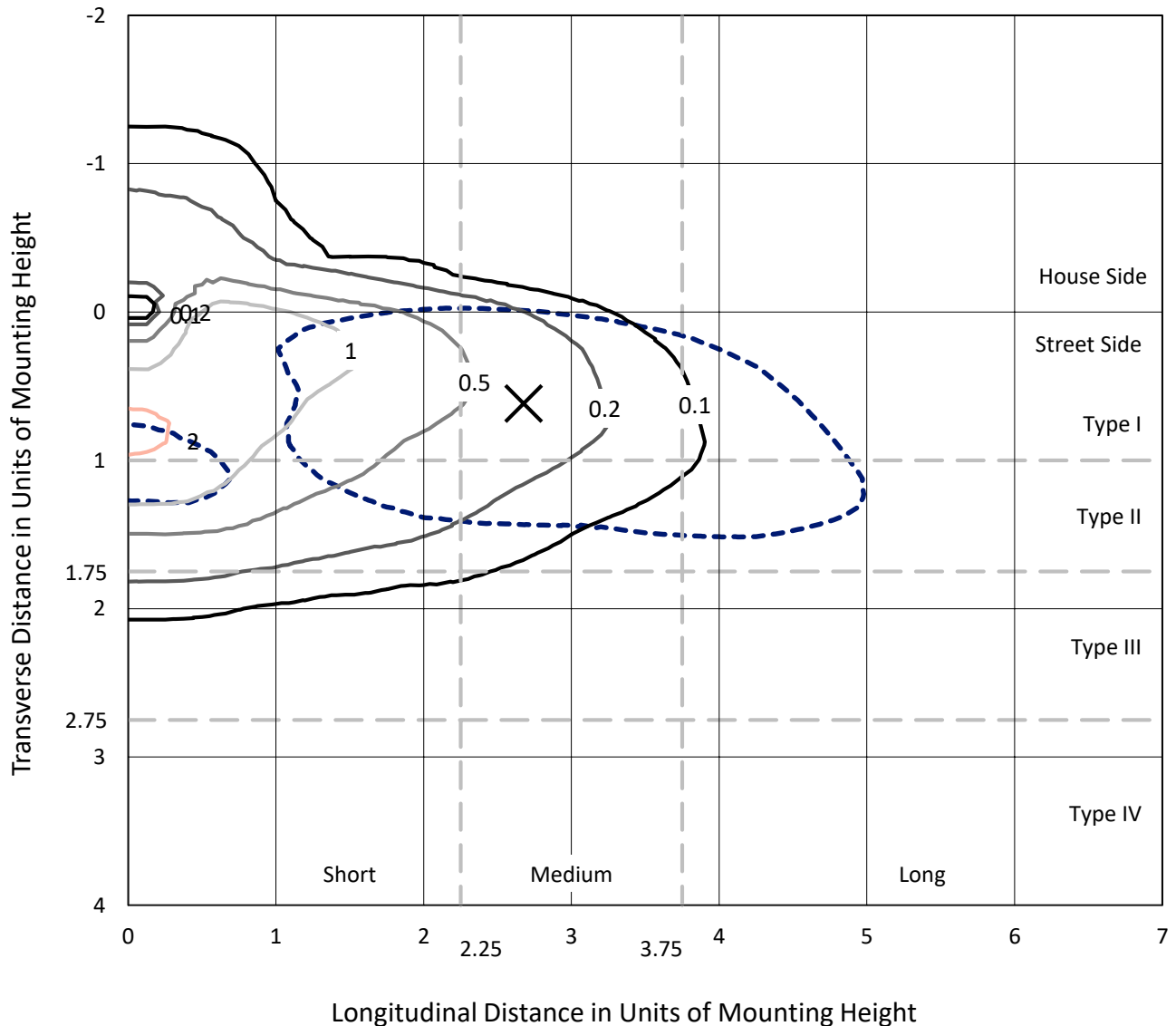


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

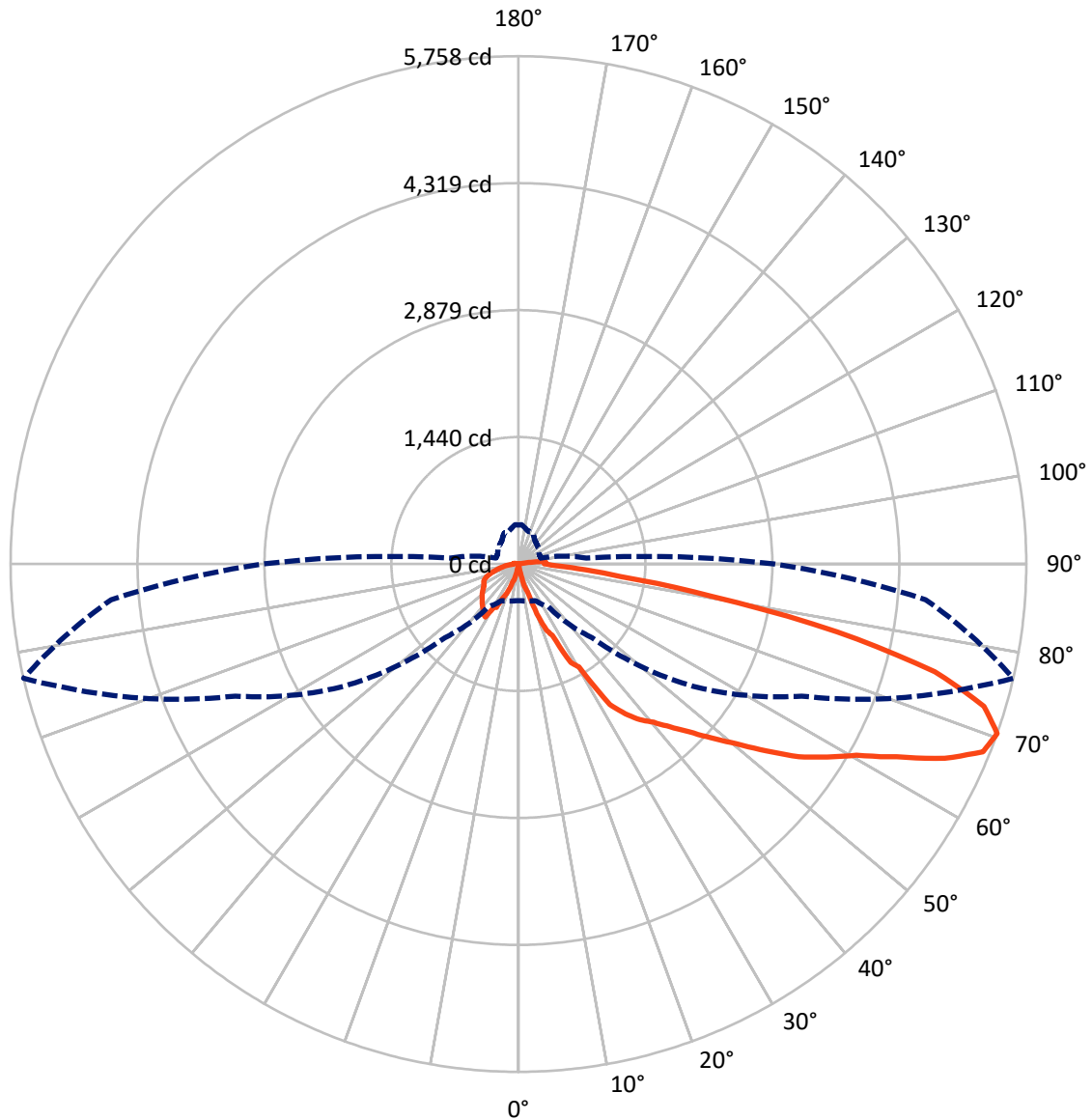


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.6	48.8	1161.4
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5355.9	60.8	5416.6
	% Fixture	81.4	0.9	82.3
Total	Lumens	6468.4	109.6	6578.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	78.3	1.2
20°-30°	310.0	4.7
30°-40°	748.7	11.4
40°-50°	1210.9	18.4
50°-60°	1448.3	22.0
60°-70°	1416.3	21.5
70°-80°	979.1	14.9
80°-90°	271.7	4.1
90°-100°	71.5	1.1
100°-110°	14.6	0.2
110°-120°	7.8	0.1
120°-130°	6.3	0.1
130°-140°	4.3	0.1
140°-150°	3.5	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6468.4	98.3
0°-180°	6578.0	100.0

Coefficient of Utilization



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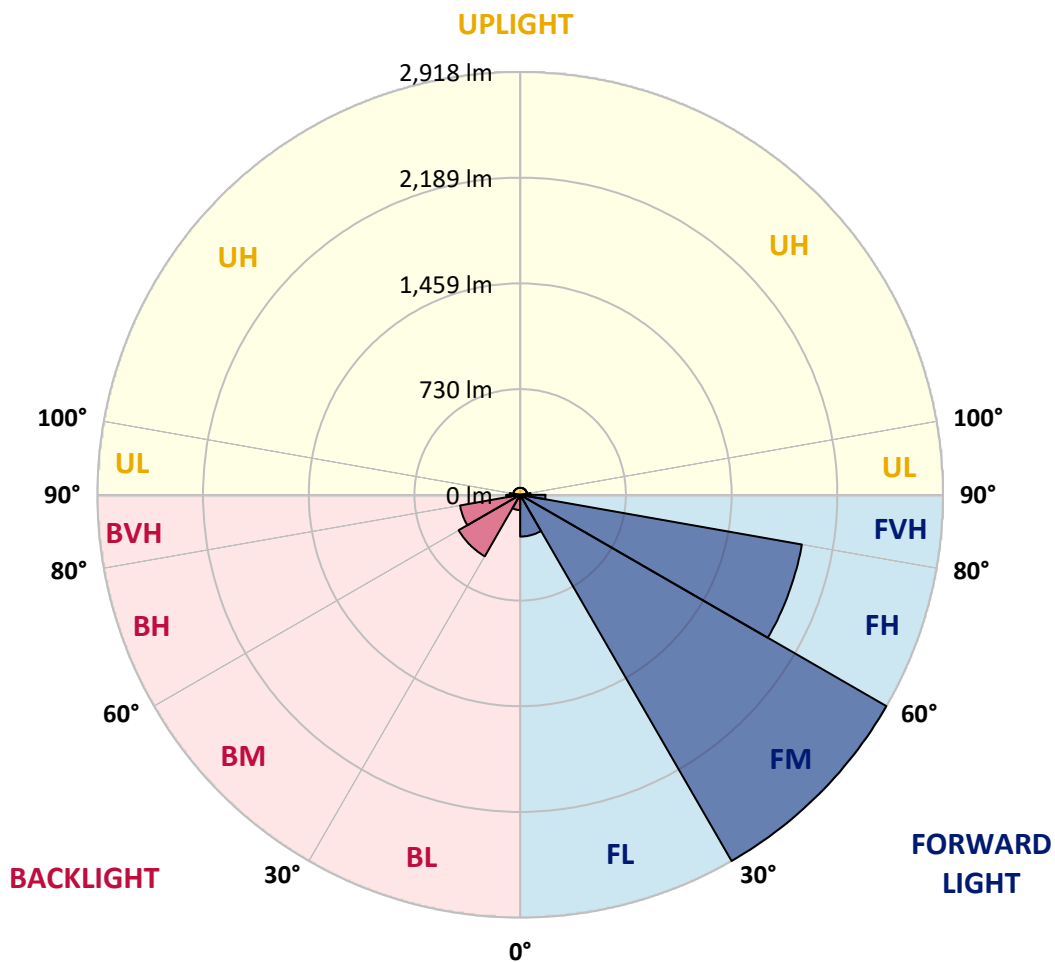
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.2	4.4			
FM (30°-60°)	2918.5	44.4			
FH (60°-80°)	1974.1	30.0			G2/5000
FVH (80°-90°)	175.0	2.7			G2/225
BL (0°-30°)	105.4	1.6	B0/110		
BM (30°-60°)	489.4	7.4	B1/1000		
BH (60°-80°)	421.2	6.4	B1/500		G1/500
BVH (80°-90°)	96.7	1.5			G1/100
UL (90°-100°)	71.5	1.1		U3/500	
UH (100°-180°)	48.8	0.7		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	8.2	7.4	7.4	8.2	9.7	8.9	6.7	5.2	4.5	4.5	4.5
5°	161.2	156.0	152.3	107.7	23.8	14.1	8.9	6.7	5.2	5.2	4.5
7.5°	192.4	189.4	188.0	182.8	176.8	164.9	29.7	9.7	5.9	5.9	5.2
10°	217.7	215.4	212.5	209.5	201.3	193.2	176.8	24.5	9.7	9.7	8.2
12.5°	443.5	436.8	430.9	306.1	227.3	218.4	202.8	138.9	105.5	101.8	122.6
15°	455.4	455.4	455.4	459.1	452.4	243.7	332.1	416.0	274.9	266.0	274.9
17.5°	485.1	480.7	473.2	475.5	484.4	537.9	495.5	462.8	366.3	325.4	316.5
20°	725.8	722.1	724.4	671.6	516.3	677.5	673.1	521.5	595.1	603.3	587.7
22.5°	774.9	774.1	771.9	768.9	882.6	719.2	774.1	820.2	831.3	815.0	676.1
25°	1099.5	1091.4	992.5	836.5	945.7	865.5	1032.7	909.3	925.7	896.7	856.6
27.5°	1256.3	1239.2	1222.1	1175.3	1015.6	1156.7	1098.8	1199.1	1344.0	1266.7	1089.9
30°	1657.5	1667.1	1390.8	1375.2	1256.3	1226.6	1345.4	1409.3	1410.8	1354.4	1223.6
32.5°	2040.8	2014.8	1950.2	1672.3	1496.2	1373.7	1560.1	1500.7	1846.2	1899.7	1659.0
35°	2416.7	2366.2	2176.8	1988.1	1745.9	1693.1	1671.6	1878.9	2009.6	2086.1	1794.9
37.5°	2952.4	2916.0	2734.7	2241.4	2012.6	1822.4	1959.8	2000.0	2208.0	2240.7	1980.6
40°	3149.3	3124.7	2973.9	2586.9	2221.3	2034.1	2089.1	2145.6	2404.8	2359.5	2120.3
42.5°	3290.4	3281.5	3161.1	2767.4	2493.3	2244.4	2238.4	2267.4	2606.9	2523.7	2260.0
45°	3398.9	3386.2	3314.9	2883.3	2621.8	2374.4	2399.6	2417.5	2784.5	2711.7	2419.7
47.5°	3378.1	3383.3	3392.9	3027.4	2698.3	2501.4	2564.6	2546.7	2929.4	2946.4	2598.7
50°	3218.3	3228.7	3300.1	3085.4	2742.1	2605.4	2707.2	2690.9	3131.4	3202.7	2805.3
52.5°	2743.6	2760.7	3025.2	2995.5	2780.8	2687.2	2853.6	2857.3	3367.7	3519.2	3069.0
55°	2008.9	2073.5	2395.2	2697.6	2738.4	2713.2	2951.6	3068.3	3639.6	3858.0	3304.5
57.5°	1615.9	1602.5	1824.6	2265.2	2528.9	2681.2	3054.9	3256.2	3887.7	4129.9	3540.0
60°	1254.1	1258.5	1422.7	1738.4	2161.9	2602.5	3160.4	3425.6	4193.1	4403.3	3828.3
62.5°	933.9	942.8	1061.6	1250.3	1742.9	2382.6	3193.1	3637.4	4617.3	4816.4	4176.7
65°	678.3	693.1	757.8	873.7	1259.3	2052.7	3093.5	3795.6	5087.5	5314.1	4548.9
67.5°	509.6	517.8	555.7	626.3	899.7	1629.2	2847.6	3785.9	5323.8	5680.4	4708.7
70°	414.6	418.3	432.4	457.6	590.6	1181.2	2416.0	3542.3	5374.3	5758.4	4634.4
72.5°	352.1	350.7	351.4	355.1	407.9	807.6	1866.2	3086.1	5181.2	5521.4	4299.3
75°	300.9	298.7	298.7	294.9	315.0	566.9	1285.3	2491.0	4667.8	4878.8	3621.8
77.5°	256.3	252.6	251.9	244.4	253.3	422.0	851.4	1855.1	3693.1	3696.8	2567.5
80°	218.4	211.7	208.8	203.6	214.0	321.7	555.7	1210.2	2259.2	2222.8	1424.9
82.5°	161.2	161.2	165.7	167.2	184.2	238.5	392.3	719.9	1233.3	1167.1	826.1
85°	92.9	101.0	119.6	121.8	141.2	158.2	294.9	426.4	690.2	665.7	423.5
87.5°	34.2	32.7	49.8	52.7	59.4	59.4	160.5	234.0	361.8	376.7	333.6
90°	28.2	28.2	19.3	17.8	23.0	38.6	108.5	164.2	271.9	292.0	315.0
92.5°	29.7	29.7	19.3	17.1	21.5	34.2	91.4	155.3	285.3	312.8	325.4
95°	28.2	29.0	17.1	15.6	20.1	29.0	68.3	133.0	274.1	300.1	318.0
97.5°	24.5	25.3	14.1	13.4	17.8	20.8	37.1	66.1	136.7	141.9	147.1
100°	20.1	20.1	10.4	11.1	14.1	14.1	19.3	34.9	33.4	27.5	23.8
102.5°	17.1	18.6	9.7	8.9	10.4	8.9	8.9	13.4	20.1	17.1	23.0
105°	14.1	15.6	8.2	7.4	8.2	7.4	5.9	9.7	14.9	17.1	24.5
107.5°	9.7	10.4	5.9	6.7	6.7	6.7	4.5	7.4	14.1	16.3	25.3
110°	6.7	6.7	4.5	5.9	5.9	6.7	4.5	7.4	11.1	12.6	20.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.5	4.5	3.7	4.5	5.2	5.2	4.5	6.7	9.7	10.4	14.1
115°	3.7	3.7	3.0	3.7	4.5	4.5	3.7	5.9	9.7	11.1	14.9
117.5°	4.5	3.7	3.0	3.7	4.5	3.7	3.7	5.2	9.7	11.1	14.9
120°	4.5	4.5	3.7	3.7	3.7	3.7	3.7	5.2	9.7	11.1	14.9
122.5°	5.2	4.5	3.7	3.7	3.7	3.7	3.7	4.5	8.9	10.4	14.1
125°	5.2	5.2	3.7	3.7	4.5	3.7	3.7	4.5	8.9	9.7	13.4
127.5°	5.9	5.2	4.5	3.7	4.5	3.7	3.7	4.5	8.2	8.9	11.9
130°	5.9	5.9	4.5	3.7	4.5	3.7	3.7	3.7	6.7	7.4	10.4
132.5°	5.9	5.9	5.2	4.5	5.2	4.5	3.7	3.7	5.2	5.9	8.2
135°	6.7	5.9	5.9	5.2	5.9	5.2	3.7	3.7	3.7	4.5	5.9
137.5°	6.7	6.7	6.7	5.9	6.7	5.2	3.7	3.7	3.7	3.7	4.5
140°	8.2	8.2	7.4	6.7	7.4	5.9	4.5	3.7	3.7	3.7	4.5
142.5°	9.7	9.7	8.9	8.2	7.4	5.9	5.2	4.5	4.5	4.5	4.5
145°	11.1	10.4	10.4	8.9	7.4	5.9	5.2	5.2	5.2	5.2	5.2
147.5°	11.1	11.1	10.4	8.2	6.7	4.5	4.5	5.9	5.9	5.9	5.9
150°	10.4	10.4	8.9	7.4	5.2	3.7	3.7	5.2	5.9	5.9	5.9
152.5°	8.2	7.4	6.7	4.5	3.7	2.2	3.0	3.7	4.5	4.5	5.2
155°	5.2	4.5	3.7	3.0	3.0	2.2	2.2	3.0	3.0	3.0	3.7
157.5°	2.2	2.2	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.7	0.7	0.7	0.7	2.2	2.2	2.2	1.5	1.5	1.5	1.5
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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	4.5	4.5	4.5	4.5	4.5	3.7	4.5	5.2	5.9	5.9	5.9
5°	4.5	4.5	4.5	5.2	5.2	4.5	5.2	6.7	7.4	7.4	7.4
7.5°	5.2	4.5	5.2	5.9	5.9	5.9	26.0	75.0	83.2	84.7	86.2
10°	7.4	7.4	7.4	8.2	8.9	78.0	92.1	96.6	99.6	101.8	102.5
12.5°	112.9	98.8	61.7	16.3	78.7	96.6	101.8	109.2	112.9	117.4	115.9
15°	253.3	224.4	168.6	144.1	141.2	107.7	112.9	188.0	208.8	212.5	211.7
17.5°	286.8	246.7	188.0	200.6	208.8	162.0	190.2	210.2	214.0	217.7	216.9
20°	533.4	425.0	254.8	220.6	218.4	273.4	202.8	209.5	216.9	255.6	260.0
22.5°	592.1	488.8	333.6	323.2	263.7	277.9	264.5	268.2	291.2	291.2	289.7
25°	741.4	591.4	376.7	329.9	335.1	276.4	310.5	268.2	272.7	272.7	273.4
27.5°	964.3	760.0	500.0	367.7	331.3	334.3	294.9	271.9	311.3	315.7	318.0
30°	1031.9	789.0	494.8	410.8	346.2	324.7	275.6	304.6	293.5	293.5	291.2
32.5°	1442.0	1076.5	615.9	401.9	355.1	301.6	305.3	286.8	281.6	304.6	304.6
35°	1523.0	1108.4	594.3	452.4	341.0	314.3	290.5	294.9	285.3	283.8	281.6
37.5°	1615.9	1130.7	546.0	425.0	360.3	301.6	300.1	289.0	276.4	294.2	297.2
40°	1704.3	1152.3	507.4	392.3	332.8	300.1	294.2	288.3	261.5	261.5	260.8
42.5°	1803.8	1166.4	472.5	366.3	306.1	300.9	284.5	266.0	248.1	253.3	251.9
45°	1907.1	1175.3	436.8	337.3	282.3	311.3	285.3	277.1	263.0	265.2	263.0
47.5°	2034.1	1190.2	405.6	309.1	267.5	285.3	269.7	266.0	274.1	266.7	271.2
50°	2169.3	1198.3	376.7	284.5	252.6	277.1	279.3	268.2	274.1	261.5	260.8
52.5°	2331.3	1205.8	345.5	268.2	250.4	275.6	292.7	280.8	270.4	254.1	252.6
55°	2473.9	1182.0	318.7	257.8	265.2	272.7	303.9	289.7	268.2	249.6	250.4
57.5°	2629.2	1151.5	297.2	253.3	262.3	267.5	319.5	302.4	277.9	278.6	279.3
60°	2789.7	1122.6	283.8	252.6	258.5	269.7	321.7	319.5	290.5	297.2	302.4
62.5°	2981.4	1099.5	281.6	257.8	271.9	281.6	323.9	346.9	321.7	324.7	326.1
65°	3131.4	1032.7	279.3	260.8	277.1	283.8	324.7	366.3	355.1	372.2	370.7
67.5°	3085.4	909.3	275.6	263.7	280.8	295.7	323.9	380.4	378.9	418.3	414.6
70°	2897.4	772.6	263.7	260.0	282.3	301.6	324.7	384.1	390.8	446.5	442.8
72.5°	2580.9	623.3	242.2	249.6	283.1	309.1	334.3	384.8	392.3	471.0	459.9
75°	2159.7	503.7	210.2	225.8	292.0	313.5	336.5	377.4	377.4	451.7	437.6
77.5°	1554.2	387.8	181.3	205.0	289.0	310.5	329.9	360.3	355.1	390.8	377.4
80°	905.6	286.0	154.5	201.3	271.2	304.6	311.3	318.0	293.5	301.6	293.5
82.5°	543.8	211.7	133.7	180.5	238.5	274.1	279.3	268.2	235.5	234.8	223.6
85°	326.1	144.9	98.1	139.7	188.0	228.8	234.8	203.6	173.1	190.9	170.9
87.5°	240.7	91.4	67.6	86.9	114.4	107.0	139.7	131.5	112.2	107.7	106.2
90°	216.9	69.8	55.7	70.6	77.3	66.1	71.3	71.3	57.9	57.2	54.2
92.5°	214.7	65.4	59.4	69.1	62.4	52.7	57.9	57.2	46.1	43.8	41.6
95°	200.6	58.7	59.4	62.4	55.0	43.1	46.8	43.8	32.7	30.5	28.2
97.5°	94.4	40.9	56.5	54.2	45.3	33.4	38.6	33.4	23.0	20.1	20.1
100°	22.3	34.9	48.3	49.0	36.4	25.3	26.7	21.5	14.9	12.6	12.6
102.5°	22.3	15.6	29.7	38.6	22.3	10.4	14.9	14.1	11.1	11.1	11.9
105°	22.3	14.9	14.9	25.3	13.4	6.7	6.7	8.9	9.7	12.6	14.1
107.5°	23.0	15.6	11.9	11.9	9.7	6.7	5.9	6.7	9.7	14.9	15.6
110°	19.3	14.1	11.1	10.4	9.7	6.7	5.2	6.7	9.7	16.3	17.8



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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.1	12.6	9.7	9.7	8.2	6.7	5.2	5.9	10.4	17.8	19.3
115°	14.1	11.9	8.9	8.2	6.7	5.9	5.2	5.9	11.1	19.3	20.8
117.5°	14.9	11.9	8.2	7.4	5.9	4.5	4.5	5.9	11.1	20.1	21.5
120°	14.9	11.9	8.2	7.4	5.9	4.5	4.5	6.7	11.9	19.3	20.8
122.5°	14.1	11.9	8.2	7.4	5.9	3.7	4.5	5.9	11.1	18.6	20.1
125°	12.6	11.1	8.2	6.7	5.9	3.7	4.5	5.9	11.1	17.8	18.6
127.5°	11.9	10.4	7.4	6.7	5.2	3.7	4.5	5.9	10.4	16.3	17.1
130°	10.4	9.7	6.7	5.9	5.2	3.7	4.5	5.9	10.4	14.9	15.6
132.5°	8.2	7.4	5.9	5.2	5.2	3.7	4.5	5.2	8.2	12.6	13.4
135°	5.9	5.9	5.2	5.2	5.2	3.7	4.5	4.5	6.7	9.7	10.4
137.5°	4.5	4.5	4.5	5.2	4.5	3.7	3.7	4.5	5.9	7.4	8.2
140°	4.5	4.5	4.5	5.2	4.5	3.7	3.7	4.5	5.2	5.9	6.7
142.5°	4.5	4.5	4.5	5.2	4.5	3.0	3.7	4.5	5.2	5.9	5.9
145°	5.2	5.2	5.2	5.2	4.5	3.0	3.0	4.5	5.2	5.9	5.9
147.5°	5.9	5.9	5.2	5.2	4.5	2.2	2.2	4.5	5.2	5.9	5.9
150°	5.9	5.9	5.2	5.2	3.7	2.2	2.2	3.7	5.2	5.2	5.2
152.5°	4.5	4.5	4.5	4.5	3.7	1.5	1.5	3.0	4.5	4.5	4.5
155°	3.7	3.7	3.7	3.7	3.0	1.5	0.7	2.2	3.7	3.7	3.7
157.5°	2.2	3.0	3.0	3.7	3.0	1.5	0.7	1.5	3.0	3.0	3.0
160°	1.5	2.2	2.2	3.0	3.0	1.5	0.7	1.5	2.2	2.2	2.2
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)