

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: P415878

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415878
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-PA1-60-730-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6708 lumens
Efficiency: N/A
Efficacy: 104.8 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): 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

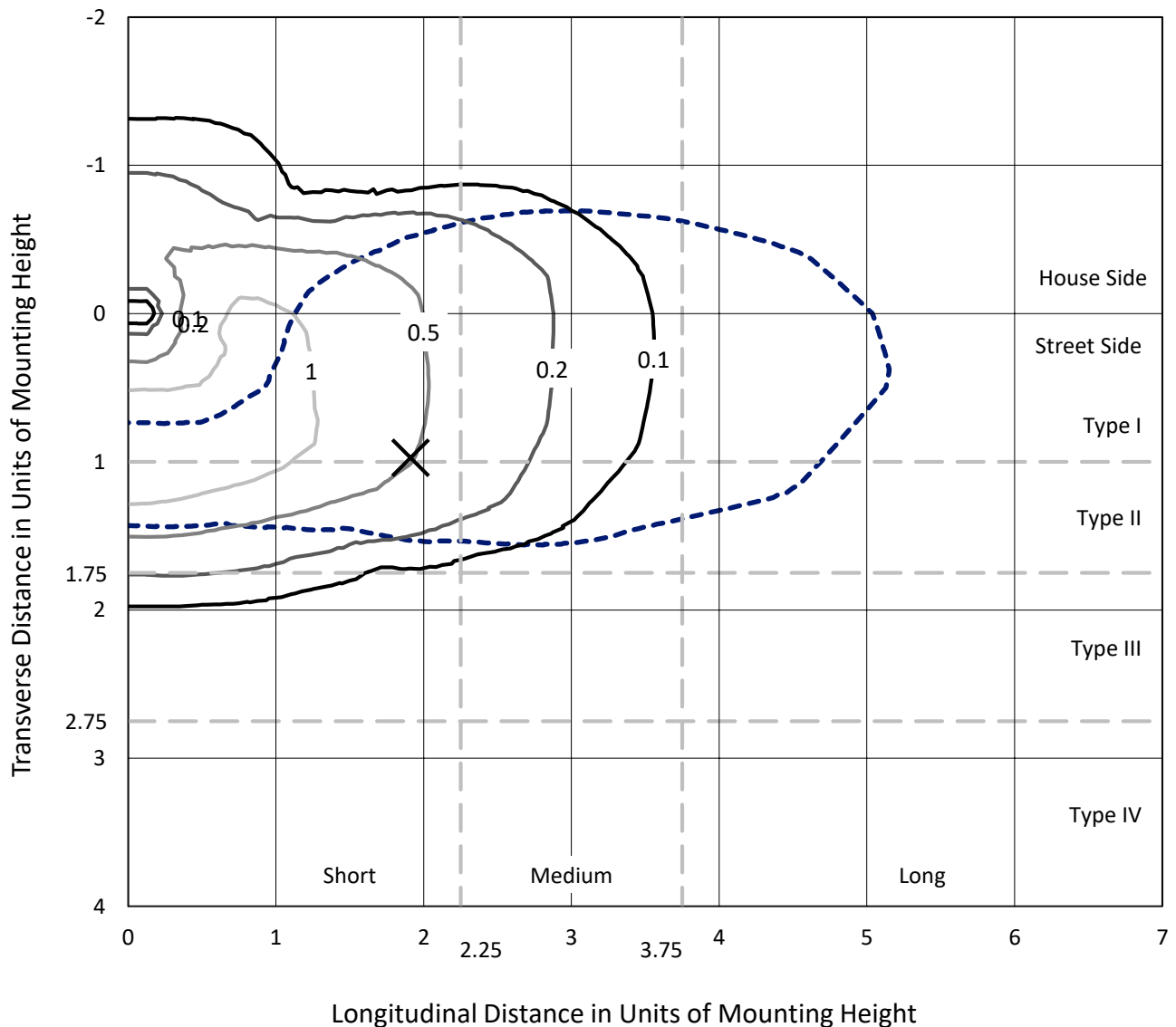


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

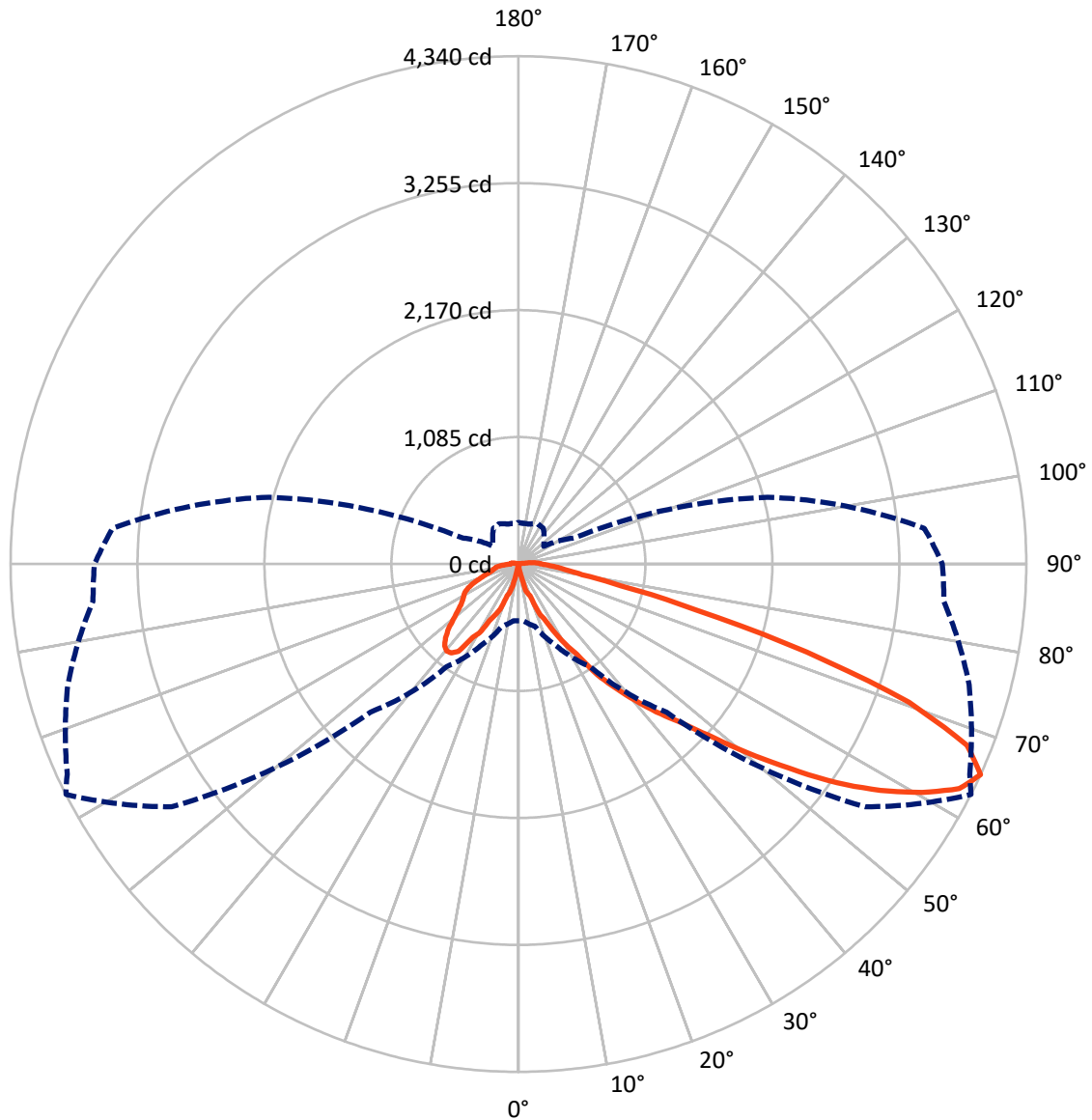


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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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	1909.0	55.4	1964.4
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4691.9	51.6	4743.6
	% Fixture	69.9	0.8	70.7
Total	Lumens	6601.0	107.0	6708.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	60.3	0.9
20°-30°	246.5	3.7
30°-40°	640.3	9.5
40°-50°	1217.6	18.2
50°-60°	1639.1	24.4
60°-70°	1552.8	23.1
70°-80°	973.0	14.5
80°-90°	267.2	4.0
90°-100°	74.8	1.1
100°-110°	13.9	0.2
110°-120°	6.7	0.1
120°-130°	4.9	0.1
130°-140°	3.2	0.0
140°-150°	2.6	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6601.0	98.4
0°-180°	6708.0	100.0



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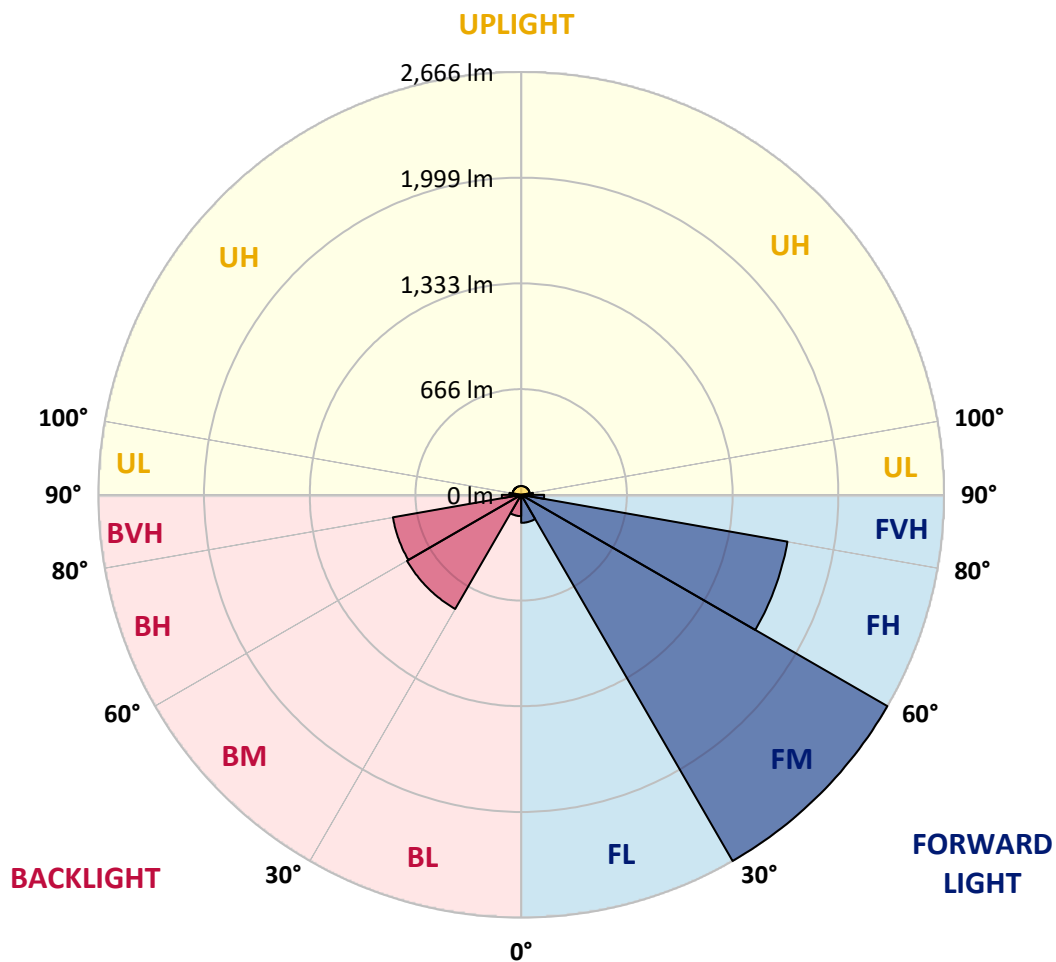
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.5	2.6			
FM (30°-60°)	2665.8	39.7			
FH (60°-80°)	1704.6	25.4			G1/1800
FVH (80°-90°)	144.9	2.2			G2/225
BL (0°-30°)	134.4	2.0	B1/500		
BM (30°-60°)	831.2	12.4	B1/1000		
BH (60°-80°)	821.2	12.2	B2/1000		G2/1000
BVH (80°-90°)	122.3	1.8			G2/225
UL (90°-100°)	74.8	1.1		U3/500	
UH (100°-180°)	55.4	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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	8.9	8.2	8.9	8.9	8.2	7.4	6.7	5.9	5.2	3.7	3.0
5°	104.8	105.5	104.0	101.8	36.4	16.3	9.7	7.4	6.7	4.5	3.7
7.5°	120.4	119.6	118.9	117.4	112.2	105.5	57.2	13.4	10.4	5.9	3.7
10°	132.2	130.8	127.0	126.3	121.1	117.4	108.5	69.8	58.7	10.4	7.4
12.5°	240.7	235.5	231.1	190.9	133.7	126.3	121.1	105.5	103.3	66.1	98.8
15°	251.9	252.6	249.6	245.2	234.8	157.5	196.1	237.7	237.0	205.1	202.1
17.5°	286.0	283.8	272.7	261.5	257.8	280.1	277.9	265.2	265.2	234.8	222.1
20°	442.0	438.3	431.6	359.6	320.2	361.8	339.5	295.7	297.2	362.6	393.8
22.5°	511.9	510.4	497.0	465.1	453.2	399.0	447.2	462.8	453.9	459.1	439.8
25°	700.6	693.2	634.5	578.0	584.7	538.6	537.9	528.2	523.0	500.0	534.9
27.5°	891.5	885.6	872.2	792.7	675.3	649.3	607.7	663.4	648.6	702.1	714.0
30°	1181.3	1127.0	1014.1	960.6	922.0	797.9	786.0	803.1	798.7	783.8	770.4
32.5°	1482.9	1460.6	1394.5	1199.1	1076.5	1005.2	970.3	917.5	893.0	1052.7	1063.9
35°	1797.9	1777.1	1615.1	1501.5	1291.2	1175.3	1156.0	1163.4	1130.7	1208.8	1190.2
37.5°	2352.1	2341.7	2179.0	1826.1	1606.2	1379.6	1352.9	1344.0	1292.7	1349.2	1349.9
40°	2708.0	2690.9	2511.1	2251.1	1896.7	1708.0	1578.0	1526.7	1513.4	1516.3	1517.1
42.5°	2972.5	2945.0	2840.2	2601.0	2231.0	2009.6	1826.1	1727.3	1754.1	1702.1	1699.1
45°	3144.1	3129.2	3034.1	2834.3	2578.0	2468.0	2143.4	1920.5	2010.4	1917.5	1913.1
47.5°	3182.7	3176.0	3109.9	3009.6	2902.6	2856.6	2526.0	2185.0	2267.4	2226.6	2143.4
50°	3014.8	3020.8	2996.3	3032.7	3149.3	3202.1	2929.4	2535.6	2581.0	2483.6	2377.4
52.5°	2647.8	2647.1	2736.2	2897.4	3239.9	3450.9	3303.1	2900.4	2898.2	2722.1	2601.8
55°	2125.5	2165.7	2316.5	2566.8	3115.9	3565.3	3657.5	3301.6	3239.2	3000.7	2801.6
57.5°	1619.6	1671.6	1856.6	2083.9	2763.0	3484.4	3915.3	3650.0	3585.4	3251.8	3013.3
60°	1095.8	1115.9	1349.2	1612.2	2197.6	3173.1	4036.4	3964.3	3893.0	3508.1	3227.3
62.5°	730.3	748.1	881.9	1202.1	1575.8	2578.7	3958.4	4229.5	4135.2	3811.3	3450.9
65°	485.9	485.9	552.0	773.4	1072.1	1790.5	3616.6	4340.2	4254.8	3986.6	3649.3
67.5°	358.1	364.0	385.6	498.5	730.3	1071.3	2876.6	4135.9	4144.8	4006.7	3712.4
70°	324.7	328.4	347.0	375.9	521.5	637.4	1901.2	3543.1	3696.8	3855.1	3631.5
72.5°	283.8	285.3	315.0	346.2	410.8	488.9	1105.5	2575.0	2898.2	3525.2	3408.6
75°	237.7	240.0	263.7	310.5	355.1	410.1	588.4	1567.6	1889.3	3026.7	3113.6
77.5°	193.2	198.4	217.7	254.1	326.1	344.0	451.7	896.0	1094.3	2254.1	2632.2
80°	148.6	153.8	170.9	199.8	266.7	303.9	375.2	551.3	663.4	1401.2	1839.5
82.5°	101.8	105.5	122.6	144.1	190.9	253.3	310.5	406.4	439.1	766.7	1014.8
85°	72.1	74.3	85.4	95.1	118.9	166.4	259.3	322.4	331.3	406.4	413.1
87.5°	40.9	40.1	41.6	48.3	54.2	64.6	153.0	236.3	247.4	283.1	263.0
90°	28.2	27.5	23.0	22.3	25.3	27.5	86.9	188.0	197.6	228.1	234.0
92.5°	29.7	28.2	22.3	20.8	23.8	25.3	57.9	164.2	185.0	228.1	240.7
95°	28.2	26.7	20.1	17.8	21.5	22.3	35.7	112.9	145.6	213.2	235.5
97.5°	24.5	23.0	16.3	14.9	17.8	17.8	20.1	52.0	71.3	99.6	112.2
100°	20.1	18.6	13.4	11.9	12.6	13.4	12.6	26.0	26.0	27.5	21.5
102.5°	17.8	17.1	11.1	9.7	8.9	8.9	8.2	12.6	13.4	14.9	18.6
105°	15.6	14.9	9.7	8.2	6.7	6.7	5.9	8.2	8.9	12.6	17.8
107.5°	11.1	11.1	8.2	6.7	5.9	5.9	4.5	6.7	7.4	11.1	18.6
110°	7.4	7.4	5.9	5.9	5.2	5.9	4.5	6.7	6.7	8.9	14.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.9	5.9	5.2	4.5	3.7	4.5	5.2	5.9	5.9	6.7	8.9
115°	5.9	5.2	4.5	3.7	3.0	3.7	3.7	5.2	5.2	6.7	8.9
117.5°	5.9	5.9	4.5	3.7	3.0	3.0	3.7	4.5	4.5	6.7	9.7
120°	5.9	5.9	4.5	3.7	3.0	2.2	3.0	4.5	4.5	5.9	8.9
122.5°	5.9	5.9	4.5	3.7	3.0	2.2	3.0	3.7	3.7	5.2	8.9
125°	6.7	6.7	5.2	3.7	3.0	2.2	3.0	3.0	3.0	5.2	8.2
127.5°	6.7	6.7	5.2	3.7	3.0	2.2	3.0	3.0	3.0	4.5	6.7
130°	6.7	6.7	5.2	3.7	3.0	2.2	3.0	2.2	2.2	3.7	5.9
132.5°	6.7	5.9	5.2	4.5	3.7	3.0	3.0	2.2	2.2	2.2	4.5
135°	5.9	5.9	5.2	4.5	3.7	3.0	3.0	2.2	2.2	2.2	3.0
137.5°	5.9	5.9	5.9	5.2	4.5	3.7	3.0	2.2	2.2	2.2	2.2
140°	6.7	6.7	6.7	5.9	4.5	3.7	3.0	2.2	2.2	2.2	2.2
142.5°	7.4	7.4	7.4	6.7	4.5	3.7	3.7	2.2	2.2	2.2	2.2
145°	8.2	8.2	8.2	6.7	4.5	3.7	3.7	3.0	3.0	2.2	3.0
147.5°	8.9	8.9	8.2	6.7	3.7	3.0	3.0	3.0	3.0	3.0	3.0
150°	8.2	7.4	7.4	5.2	3.0	1.5	2.2	2.2	2.2	3.0	3.0
152.5°	5.9	5.9	5.2	3.7	2.2	0.7	1.5	1.5	2.2	2.2	2.2
155°	3.7	3.7	3.0	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	3.0	3.0	3.7	4.5	4.5	5.2	5.2	5.2	5.2	5.2	5.2
5°	3.0	3.0	3.7	4.5	5.2	5.9	6.7	6.7	6.7	7.4	7.4
7.5°	3.7	3.7	3.7	5.2	5.9	8.2	22.3	66.9	103.3	106.2	107.7
10°	7.4	7.4	7.4	7.4	16.3	95.1	118.1	123.3	126.3	128.5	128.5
12.5°	99.6	98.8	35.7	17.8	81.7	123.3	130.8	134.5	137.4	139.7	140.4
15°	202.1	202.8	202.8	205.1	148.6	134.5	141.9	209.5	248.1	255.6	258.5
17.5°	221.4	221.4	220.7	245.9	276.4	218.4	243.7	266.0	273.4	277.1	278.6
20°	404.2	403.4	325.4	282.3	292.0	362.6	272.7	283.1	289.0	344.7	346.2
22.5°	445.8	443.5	433.9	436.1	344.0	392.3	373.7	362.6	397.5	396.0	397.5
25°	547.5	494.1	473.2	468.8	498.5	407.9	433.1	375.2	384.1	382.6	384.1
27.5°	716.9	697.6	649.3	549.0	531.2	503.7	433.9	393.8	442.8	453.9	455.4
30°	768.9	744.4	693.2	697.6	592.1	512.6	422.7	436.1	419.0	417.5	414.6
32.5°	1054.2	1022.3	945.0	760.8	659.7	481.4	425.0	396.7	405.6	435.4	436.8
35°	1174.6	1138.2	1083.9	971.0	639.7	472.5	388.6	387.1	393.0	393.8	392.3
37.5°	1311.3	1263.7	1212.5	1023.0	667.9	427.9	362.6	363.3	376.7	402.7	399.7
40°	1470.3	1417.5	1334.3	1053.5	599.5	401.2	345.5	356.6	370.7	364.8	359.6
42.5°	1649.3	1563.1	1432.4	1047.5	521.5	370.0	341.0	348.4	346.2	335.1	332.1
45°	1834.3	1742.9	1528.2	997.8	451.0	349.9	332.8	335.1	326.1	312.0	309.1
47.5°	2047.5	1927.2	1582.5	925.0	394.5	348.4	330.6	323.2	306.1	293.5	292.7
50°	2262.2	2130.7	1667.1	827.6	352.2	342.5	335.8	320.2	299.4	286.8	285.3
52.5°	2472.5	2357.3	1758.5	745.9	320.2	335.8	338.0	321.7	299.4	280.8	280.1
55°	2683.5	2582.4	1857.3	681.3	298.7	335.1	346.2	326.1	303.9	276.4	275.6
57.5°	2895.2	2797.2	1952.4	638.2	289.0	325.4	351.4	340.3	315.7	292.7	294.2
60°	3146.3	3030.4	2064.6	607.7	285.3	320.2	355.9	356.6	323.2	297.2	300.9
62.5°	3393.0	3275.6	2159.7	579.5	275.6	315.0	358.1	369.2	339.5	317.2	320.9
65°	3622.6	3482.9	2203.5	525.3	263.7	309.1	371.5	380.4	352.2	349.9	354.4
67.5°	3710.2	3580.2	2160.5	457.6	256.3	309.1	385.6	396.0	365.5	377.4	389.3
70°	3625.5	3517.1	2052.0	373.0	258.5	311.3	387.8	403.4	384.8	394.5	404.9
72.5°	3362.5	3224.3	1788.2	300.1	258.5	308.3	378.2	391.5	377.4	409.4	419.8
75°	3030.4	2789.7	1423.5	247.4	251.1	306.8	355.9	371.5	357.4	390.8	401.9
77.5°	2502.9	2194.6	984.4	218.4	240.7	293.5	332.8	335.8	321.7	341.8	347.0
80°	1765.2	1479.2	623.3	197.6	230.3	265.2	294.9	289.7	275.6	279.3	283.8
82.5°	984.4	782.3	363.3	182.0	216.2	220.7	241.5	242.9	224.4	225.1	225.9
85°	390.8	361.8	245.9	153.0	174.6	159.0	180.5	188.0	170.1	149.3	144.9
87.5°	259.3	245.9	171.6	104.8	107.0	89.9	117.4	121.8	100.3	86.9	86.2
90°	246.7	239.2	147.8	70.6	59.4	49.0	65.4	63.1	48.3	42.3	43.1
92.5°	254.1	249.6	150.1	67.6	57.9	46.8	57.9	49.8	36.4	31.9	32.7
95°	250.4	248.1	146.4	66.1	55.0	43.1	49.0	40.1	28.2	25.3	25.3
97.5°	118.9	125.6	90.6	59.4	49.0	36.4	37.9	30.5	20.1	18.6	17.8
100°	17.8	28.2	49.0	55.0	36.4	25.3	24.5	20.1	12.6	11.9	11.9
102.5°	18.6	20.1	30.5	37.9	20.1	13.4	13.4	11.9	9.7	11.1	11.1
105°	20.1	18.6	17.8	20.8	11.9	8.2	7.4	7.4	8.2	11.9	12.6
107.5°	21.5	20.1	14.1	11.1	8.9	7.4	5.9	5.2	7.4	12.6	13.4
110°	16.3	15.6	11.9	8.9	8.9	8.2	5.2	5.2	8.2	13.4	14.9



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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2U-CL

CANDELA DISTRIBUTION (continued):

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