

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: P415930

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415930
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-PA1-60-740-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 7365 lumens
Efficiency: N/A
Efficacy: 115.1 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 (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

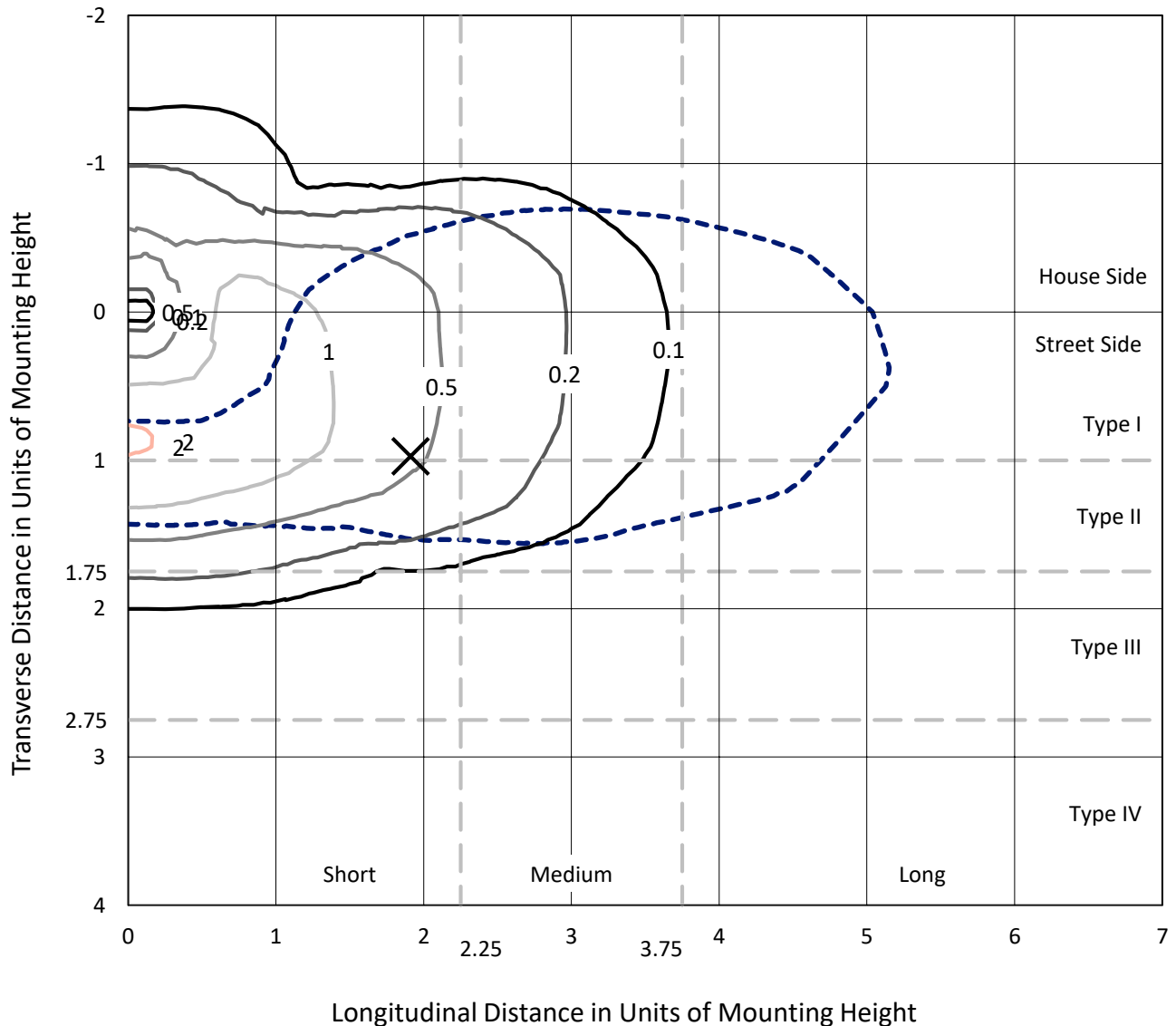


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

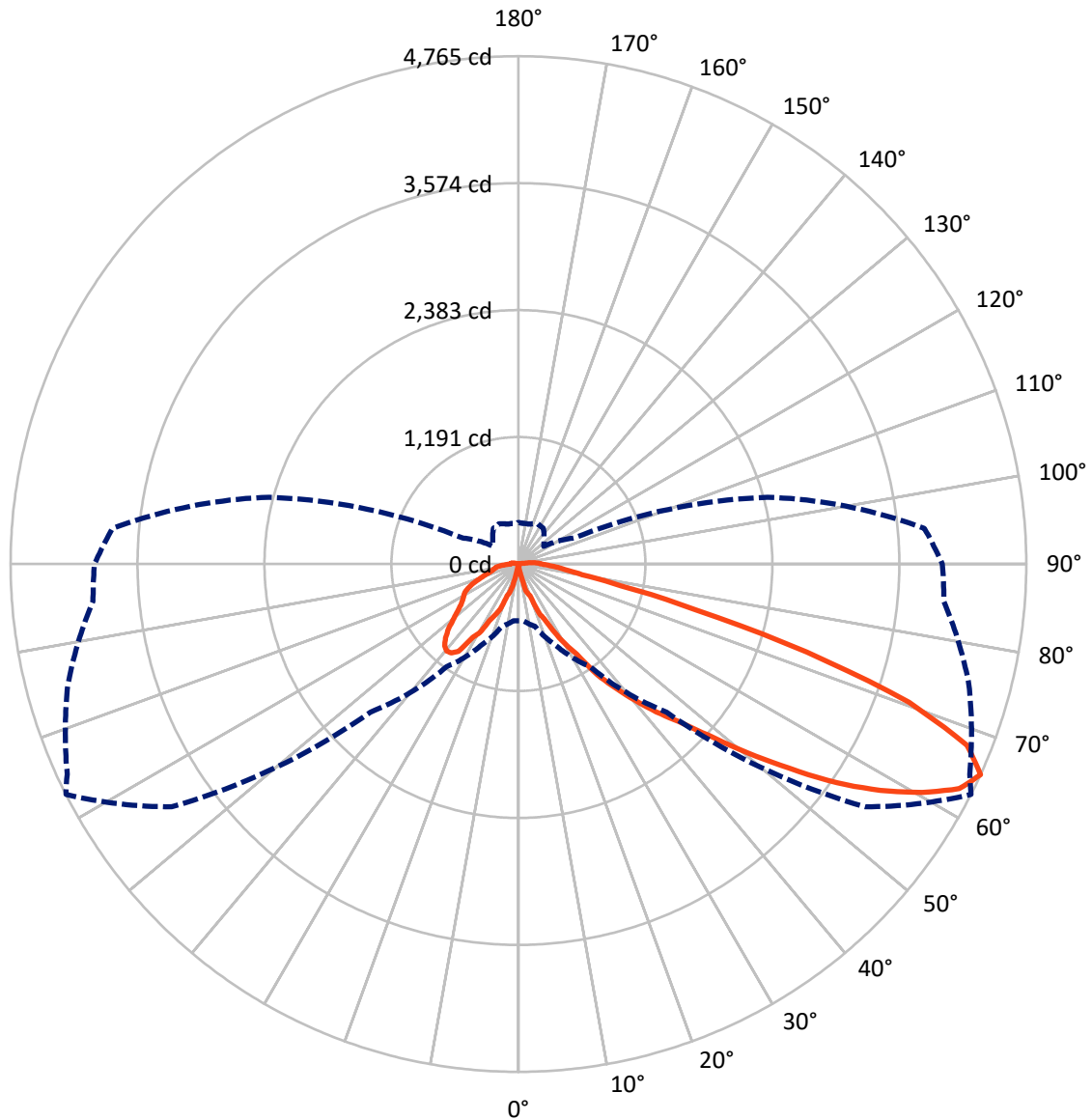


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - Non-Cutoff

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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	2096.0	60.9	2156.8
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5151.5	56.7	5208.2
	% Fixture	69.9	0.8	70.7
Total	Lumens	7247.5	117.5	7365.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	66.2	0.9
20°-30°	270.6	3.7
30°-40°	703.0	9.5
40°-50°	1336.8	18.2
50°-60°	1799.6	24.4
60°-70°	1704.8	23.1
70°-80°	1068.3	14.5
80°-90°	293.3	4.0
90°-100°	82.1	1.1
100°-110°	15.3	0.2
110°-120°	7.4	0.1
120°-130°	5.4	0.1
130°-140°	3.5	0.0
140°-150°	2.8	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7247.5	98.4
0°-180°	7365.0	100.0



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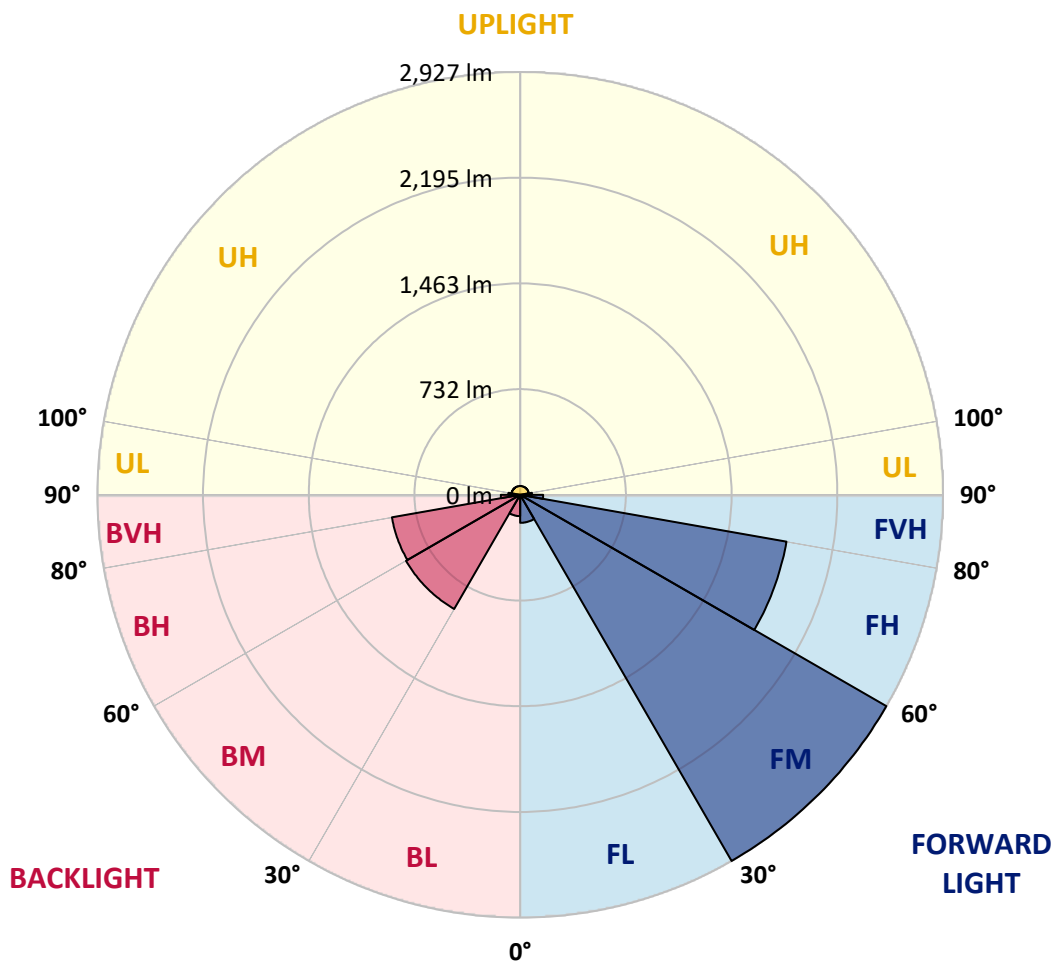
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.8	2.6			
FM (30°-60°)	2926.9	39.7			
FH (60°-80°)	1871.6	25.4			G2/5000
FVH (80°-90°)	159.1	2.2			G2/225
BL (0°-30°)	147.6	2.0	B1/500		
BM (30°-60°)	912.6	12.4	B1/1000		
BH (60°-80°)	901.6	12.2	B2/1000		G2/1000
BVH (80°-90°)	134.2	1.8			G2/225
UL (90°-100°)	82.1	1.1		U3/500	
UH (100°-180°)	60.9	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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	9.8	9.0	9.8	9.8	9.0	8.2	7.3	6.5	5.7	4.1	3.3
5°	115.0	115.8	114.2	111.8	40.0	17.9	10.6	8.2	7.3	4.9	4.1
7.5°	132.1	131.3	130.5	128.9	123.2	115.8	62.8	14.7	11.4	6.5	4.1
10°	145.2	143.6	139.5	138.7	133.0	128.9	119.1	76.7	64.4	11.4	8.2
12.5°	264.3	258.6	253.7	209.6	146.8	138.7	133.0	115.8	113.4	72.6	108.5
15°	276.5	277.3	274.1	269.2	257.8	172.9	215.3	261.0	260.2	225.1	221.9
17.5°	314.0	311.6	299.4	287.1	283.0	307.5	305.1	291.2	291.2	257.8	243.9
20°	485.3	481.3	473.9	394.8	351.6	397.2	372.8	324.6	326.3	398.1	432.3
22.5°	562.0	560.4	545.7	510.6	497.6	438.0	491.1	508.2	498.4	504.1	482.9
25°	769.2	761.0	696.6	634.6	642.0	591.4	590.6	580.0	574.3	549.0	587.3
27.5°	978.8	972.3	957.6	870.4	741.5	712.9	667.2	728.4	712.1	770.8	783.9
30°	1297.0	1237.4	1113.4	1054.7	1012.3	876.1	863.0	881.8	876.9	860.6	845.9
32.5°	1628.1	1603.7	1531.1	1316.5	1182.0	1103.6	1065.3	1007.4	980.5	1155.8	1168.1
35°	1974.0	1951.2	1773.3	1648.5	1417.7	1290.4	1269.2	1277.4	1241.5	1327.1	1306.8
37.5°	2582.5	2571.1	2392.5	2005.0	1763.5	1514.8	1485.4	1475.6	1419.3	1481.3	1482.1
40°	2973.2	2954.5	2757.1	2471.6	2082.5	1875.3	1732.5	1676.3	1661.6	1664.8	1665.7
42.5°	3263.6	3233.4	3118.4	2855.8	2449.5	2206.5	2005.0	1896.5	1925.9	1868.8	1865.5
45°	3452.0	3435.7	3331.3	3111.9	2830.5	2709.8	2353.3	2108.6	2207.3	2105.3	2100.4
47.5°	3494.5	3487.1	3414.5	3304.4	3186.9	3136.4	2773.4	2399.0	2489.5	2444.7	2353.3
50°	3310.1	3316.6	3289.7	3329.7	3457.8	3515.7	3216.3	2784.0	2833.7	2726.9	2610.2
52.5°	2907.2	2906.3	3004.2	3181.2	3557.3	3788.9	3626.6	3184.5	3182.0	2988.7	2856.6
55°	2333.7	2377.8	2543.4	2818.2	3421.0	3914.5	4015.7	3625.0	3556.5	3294.6	3076.0
57.5°	1778.2	1835.3	2038.4	2288.0	3033.6	3825.6	4298.7	4007.5	3936.6	3570.3	3308.5
60°	1203.2	1225.2	1481.3	1770.1	2412.8	3483.9	4431.7	4352.6	4274.3	3851.7	3543.4
62.5°	801.8	821.4	968.2	1319.8	1730.1	2831.3	4346.1	4643.8	4540.2	4184.5	3788.9
65°	533.5	533.5	606.1	849.1	1177.1	1965.8	3970.8	4765.3	4671.5	4377.0	4006.7
67.5°	393.2	399.7	423.3	547.3	801.8	1176.2	3158.4	4541.0	4550.8	4399.1	4076.1
70°	356.5	360.5	380.9	412.7	572.6	699.9	2087.4	3890.1	4058.9	4232.7	3987.1
72.5°	311.6	313.2	345.9	380.1	451.1	536.7	1213.8	2827.2	3182.0	3870.5	3742.4
75°	261.0	263.5	289.6	341.0	389.9	450.3	646.0	1721.1	2074.3	3323.2	3418.6
77.5°	212.1	217.8	239.0	279.0	358.1	377.7	495.9	983.7	1201.5	2474.8	2890.0
80°	163.1	168.9	187.6	219.4	292.8	333.6	411.9	605.2	728.4	1538.4	2019.7
82.5°	111.8	115.8	134.6	158.2	209.6	278.2	341.0	446.2	482.1	841.8	1114.2
85°	79.1	81.6	93.8	104.4	130.5	182.7	284.7	354.0	363.8	446.2	453.5
87.5°	44.9	44.0	45.7	53.0	59.5	71.0	168.0	259.4	271.6	310.8	288.8
90°	31.0	30.2	25.3	24.5	27.7	30.2	95.4	206.4	217.0	250.4	256.9
92.5°	32.6	31.0	24.5	22.8	26.1	27.7	63.6	180.3	203.1	250.4	264.3
95°	31.0	29.4	22.0	19.6	23.7	24.5	39.2	124.0	159.9	234.1	258.6
97.5°	26.9	25.3	17.9	16.3	19.6	19.6	22.0	57.1	78.3	109.3	123.2
100°	22.0	20.4	14.7	13.1	13.9	14.7	13.9	28.5	28.5	30.2	23.7
102.5°	19.6	18.8	12.2	10.6	9.8	9.8	9.0	13.9	14.7	16.3	20.4
105°	17.1	16.3	10.6	9.0	7.3	7.3	6.5	9.0	9.8	13.9	19.6
107.5°	12.2	12.2	9.0	7.3	6.5	6.5	4.9	7.3	8.2	12.2	20.4
110°	8.2	8.2	6.5	6.5	5.7	6.5	4.9	7.3	7.3	9.8	15.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.5	6.5	5.7	4.9	4.1	4.9	5.7	6.5	6.5	7.3	9.8
115°	6.5	5.7	4.9	4.1	3.3	4.1	4.1	5.7	5.7	7.3	9.8
117.5°	6.5	6.5	4.9	4.1	3.3	3.3	4.1	4.9	4.9	7.3	10.6
120°	6.5	6.5	4.9	4.1	3.3	2.4	3.3	4.9	4.9	6.5	9.8
122.5°	6.5	6.5	4.9	4.1	3.3	2.4	3.3	4.1	4.1	5.7	9.8
125°	7.3	7.3	5.7	4.1	3.3	2.4	3.3	3.3	3.3	5.7	9.0
127.5°	7.3	7.3	5.7	4.1	3.3	2.4	3.3	3.3	3.3	4.9	7.3
130°	7.3	7.3	5.7	4.1	3.3	2.4	3.3	2.4	2.4	4.1	6.5
132.5°	7.3	6.5	5.7	4.9	4.1	3.3	3.3	2.4	2.4	2.4	4.9
135°	6.5	6.5	5.7	4.9	4.1	3.3	3.3	2.4	2.4	2.4	3.3
137.5°	6.5	6.5	6.5	5.7	4.9	4.1	3.3	2.4	2.4	2.4	2.4
140°	7.3	7.3	7.3	6.5	4.9	4.1	3.3	2.4	2.4	2.4	2.4
142.5°	8.2	8.2	8.2	7.3	4.9	4.1	4.1	2.4	2.4	2.4	2.4
145°	9.0	9.0	9.0	7.3	4.9	4.1	4.1	3.3	3.3	2.4	3.3
147.5°	9.8	9.8	9.0	7.3	4.1	3.3	3.3	3.3	3.3	3.3	3.3
150°	9.0	8.2	8.2	5.7	3.3	1.6	2.4	2.4	2.4	3.3	3.3
152.5°	6.5	6.5	5.7	4.1	2.4	0.8	1.6	1.6	2.4	2.4	2.4
155°	4.1	4.1	3.3	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	3.3	3.3	4.1	4.9	4.9	5.7	5.7	5.7	5.7	5.7	5.7
5°	3.3	3.3	4.1	4.9	5.7	6.5	7.3	7.3	7.3	8.2	8.2
7.5°	4.1	4.1	4.1	5.7	6.5	9.0	24.5	73.4	113.4	116.6	118.3
10°	8.2	8.2	8.2	8.2	17.9	104.4	129.7	135.4	138.7	141.1	141.1
12.5°	109.3	108.5	39.2	19.6	89.7	135.4	143.6	147.6	150.9	153.4	154.2
15°	221.9	222.7	222.7	225.1	163.1	147.6	155.8	230.0	272.4	280.6	283.9
17.5°	243.1	243.1	242.3	270.0	303.4	239.8	267.5	292.0	300.2	304.3	305.9
20°	443.7	442.9	357.3	310.0	320.6	398.1	299.4	310.8	317.3	378.5	380.1
22.5°	489.4	487.0	476.4	478.8	377.7	430.7	410.3	398.1	436.4	434.8	436.4
25°	601.2	542.4	519.6	514.7	547.3	447.8	475.6	411.9	421.7	420.1	421.7
27.5°	787.2	765.9	712.9	602.8	583.2	553.0	476.4	432.3	486.2	498.4	500.0
30°	844.3	817.3	761.0	765.9	650.1	562.8	464.1	478.8	460.1	458.4	455.2
32.5°	1157.5	1122.4	1037.6	835.3	724.3	528.6	466.6	435.6	445.4	478.0	479.6
35°	1289.6	1249.7	1190.1	1066.1	702.3	518.8	426.6	425.0	431.5	432.3	430.7
37.5°	1439.7	1387.5	1331.2	1123.2	733.3	469.8	398.1	398.9	413.6	442.1	438.8
40°	1614.3	1556.4	1465.0	1156.7	658.3	440.5	379.3	391.5	407.0	400.5	394.8
42.5°	1810.9	1716.2	1572.7	1150.1	572.6	406.2	374.4	382.6	380.1	367.9	364.6
45°	2014.0	1913.6	1677.9	1095.5	495.1	384.2	365.4	367.9	358.1	342.6	339.3
47.5°	2248.1	2115.9	1737.4	1015.5	433.1	382.6	363.0	354.8	336.1	322.2	321.4
50°	2483.8	2339.4	1830.4	908.7	386.6	376.0	368.7	351.6	328.7	314.9	313.2
52.5°	2714.7	2588.2	1930.8	819.0	351.6	368.7	371.1	353.2	328.7	308.3	307.5
55°	2946.3	2835.4	2039.3	748.0	327.9	367.9	380.1	358.1	333.6	303.4	302.6
57.5°	3178.8	3071.1	2143.7	700.7	317.3	357.3	385.8	373.6	346.7	321.4	323.0
60°	3454.5	3327.2	2266.8	667.2	313.2	351.6	390.7	391.5	354.8	326.3	330.4
62.5°	3725.3	3596.4	2371.2	636.2	302.6	345.9	393.2	405.4	372.8	348.3	352.4
65°	3977.4	3824.0	2419.4	576.7	289.6	339.3	407.9	417.6	386.6	384.2	389.1
67.5°	4073.6	3930.9	2372.1	502.5	281.4	339.3	423.3	434.8	401.3	414.4	427.4
70°	3980.6	3861.5	2253.0	409.5	283.9	341.8	425.8	442.9	422.5	433.1	444.6
72.5°	3691.9	3540.1	1963.4	329.5	283.9	338.5	415.2	429.9	414.4	449.5	460.9
75°	3327.2	3063.0	1562.9	271.6	275.7	336.9	390.7	407.9	392.4	429.1	441.3
77.5°	2748.1	2409.6	1080.8	239.8	264.3	322.2	365.4	368.7	353.2	375.2	380.9
80°	1938.1	1624.1	684.4	217.0	252.9	291.2	323.8	318.1	302.6	306.7	311.6
82.5°	1080.8	858.9	398.9	199.8	237.4	242.3	265.1	266.7	246.3	247.2	248.0
85°	429.1	397.2	270.0	168.0	191.7	174.6	198.2	206.4	186.8	164.0	159.1
87.5°	284.7	270.0	188.4	115.0	117.5	98.7	128.9	133.8	110.1	95.4	94.6
90°	270.8	262.7	162.3	77.5	65.3	53.8	71.8	69.3	53.0	46.5	47.3
92.5°	279.0	274.1	164.8	74.2	63.6	51.4	63.6	54.7	40.0	35.1	35.9
95°	274.9	272.4	160.7	72.6	60.4	47.3	53.8	44.0	31.0	27.7	27.7
97.5°	130.5	137.9	99.5	65.3	53.8	40.0	41.6	33.4	22.0	20.4	19.6
100°	19.6	31.0	53.8	60.4	40.0	27.7	26.9	22.0	13.9	13.1	13.1
102.5°	20.4	22.0	33.4	41.6	22.0	14.7	14.7	13.1	10.6	12.2	12.2
105°	22.0	20.4	19.6	22.8	13.1	9.0	8.2	8.2	9.0	13.1	13.9
107.5°	23.7	22.0	15.5	12.2	9.8	8.2	6.5	5.7	8.2	13.9	14.7
110°	17.9	17.1	13.1	9.8	9.8	9.0	5.7	5.7	9.0	14.7	16.3



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CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	12.2	11.4	9.0	8.2	8.2	5.7	5.7	9.0	15.5	17.1
115°	11.4	11.4	9.8	7.3	6.5	6.5	5.7	4.9	9.0	16.3	17.1
117.5°	11.4	11.4	9.8	7.3	5.7	4.9	4.9	4.9	9.0	16.3	17.1
120°	11.4	11.4	9.8	6.5	5.7	4.9	4.9	4.9	9.0	15.5	17.1
122.5°	10.6	10.6	9.0	6.5	4.9	4.9	4.9	4.9	9.0	14.7	15.5
125°	9.8	9.8	8.2	5.7	4.9	4.1	4.9	4.9	8.2	13.1	13.9
127.5°	8.2	9.0	7.3	5.7	4.9	4.1	4.9	4.9	7.3	11.4	12.2
130°	7.3	7.3	6.5	4.9	4.1	4.1	4.9	4.9	7.3	10.6	11.4
132.5°	5.7	5.7	4.9	4.9	4.1	4.1	4.1	4.1	5.7	9.0	9.0
135°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.9	6.5	7.3
137.5°	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.7	5.7
140°	2.4	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.1	4.9	4.9
142.5°	2.4	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.9	5.7	5.7
145°	3.3	3.3	4.1	4.1	4.1	3.3	4.1	4.1	4.9	5.7	5.7
147.5°	3.3	3.3	4.1	4.1	4.1	3.3	3.3	4.1	4.9	5.7	5.7
150°	3.3	3.3	4.1	4.1	3.3	2.4	3.3	3.3	4.1	5.7	5.7
152.5°	3.3	3.3	3.3	3.3	2.4	1.6	2.4	2.4	3.3	4.1	4.1
155°	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	3.3
157.5°	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6
160°	0.8	0.8	1.6	1.6	1.6	1.6	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)