

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: P416147

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5848 lumens
Efficiency: N/A
Efficacy: 91.4 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: B1 - U3 - G2

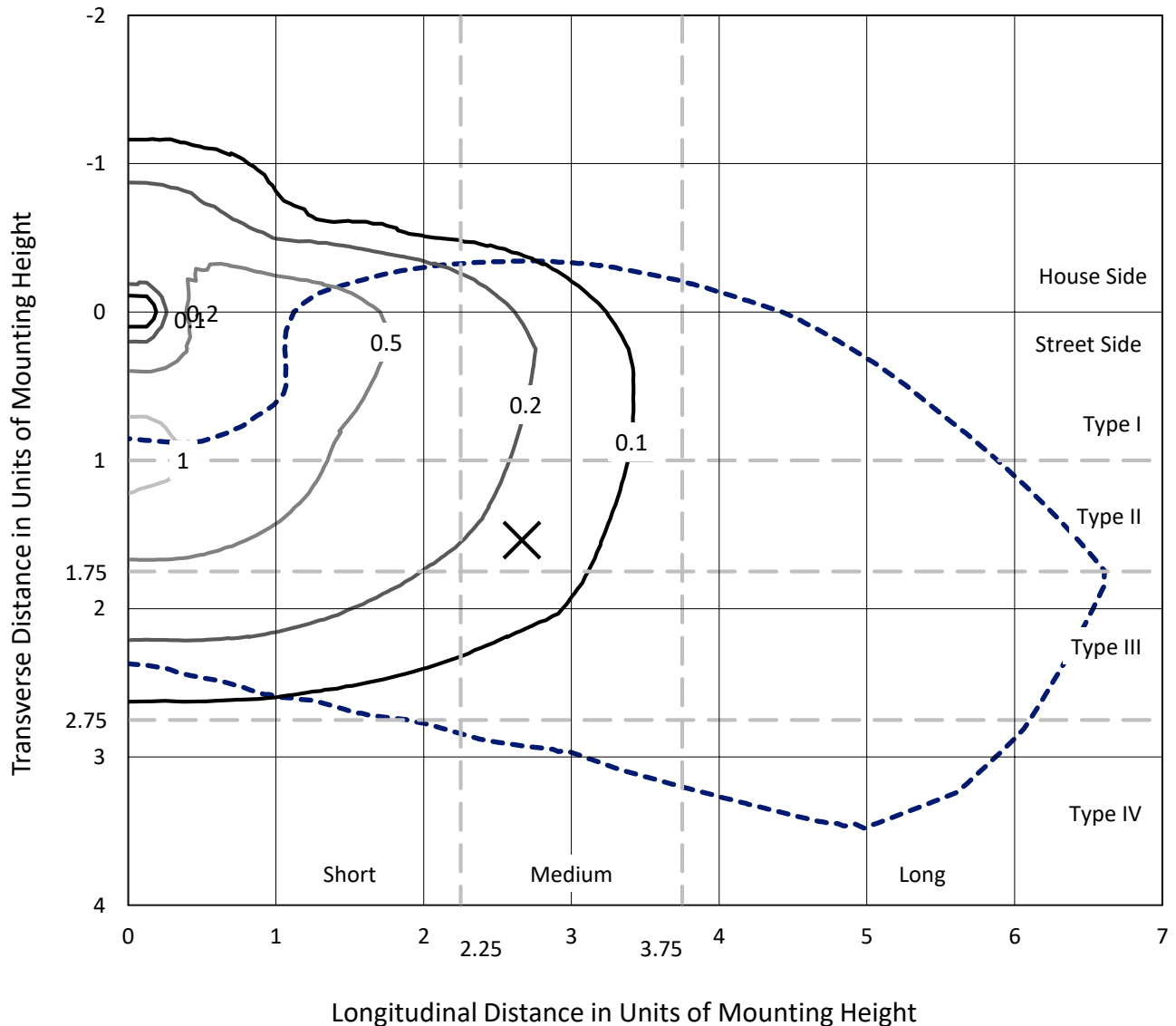
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

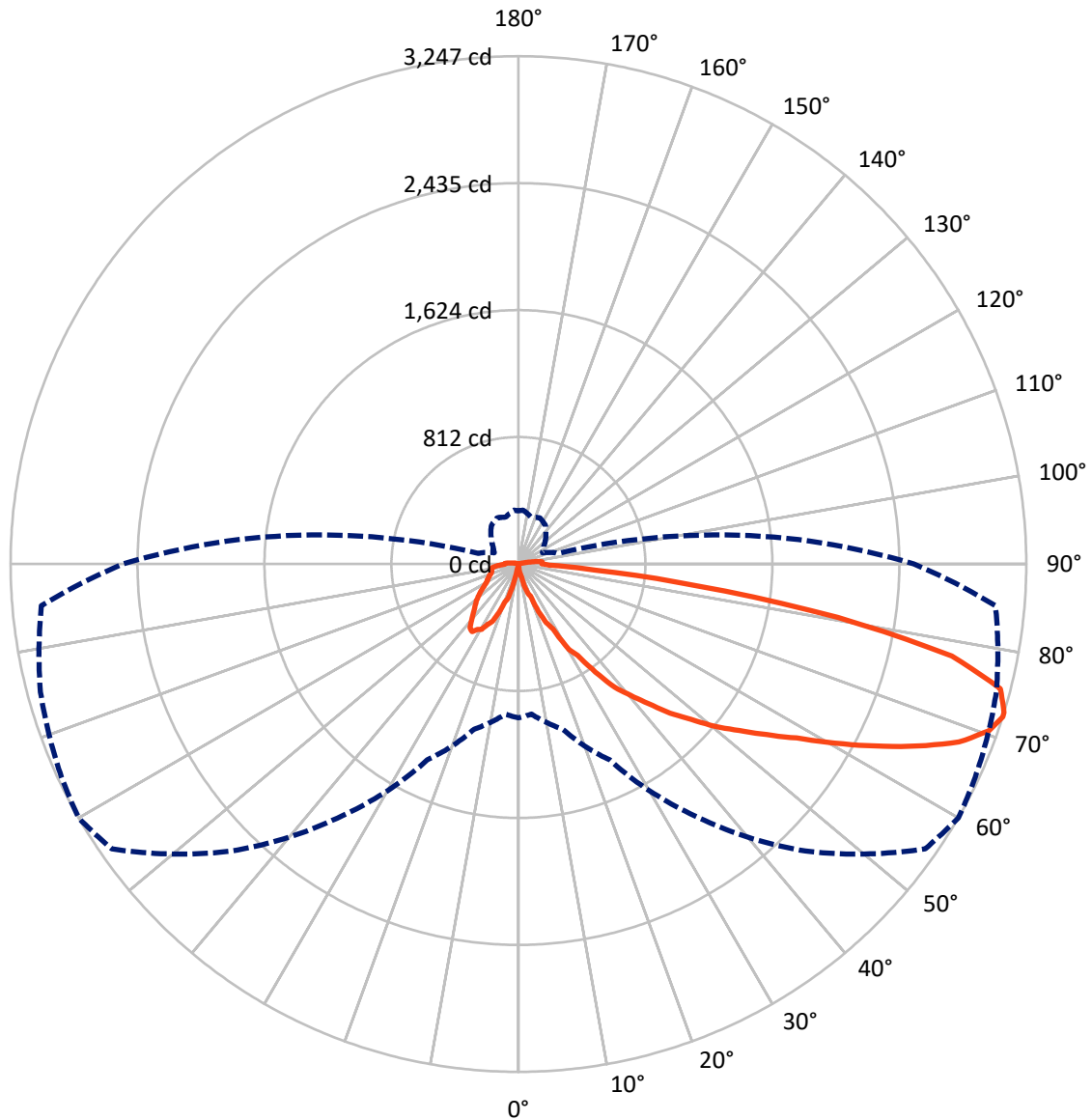
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1278.1	62.3	1340.5
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	4452.8	54.7	4507.5
	% Fixture	76.1	0.9	77.1
Total	Lumens	5730.9	117.1	5848.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	47.8	0.8
20°-30°	199.4	3.4
30°-40°	460.6	7.9
40°-50°	808.8	13.8
50°-60°	1222.4	20.9
60°-70°	1507.2	25.8
70°-80°	1163.7	19.9
80°-90°	317.9	5.4
90°-100°	86.3	1.5
100°-110°	15.0	0.3
110°-120°	5.8	0.1
120°-130°	4.1	0.1
130°-140°	2.7	0.0
140°-150°	2.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5730.9	98.0
0°-180°	5848.0	100.0



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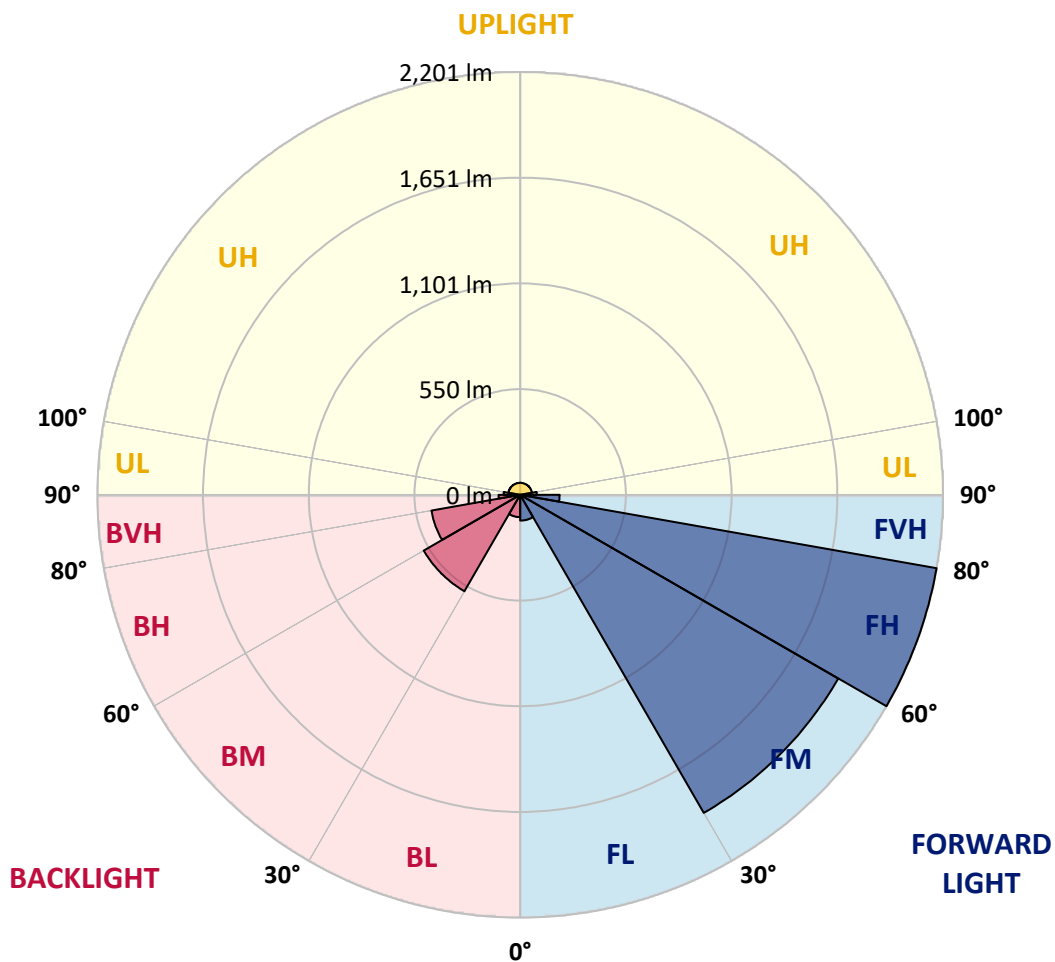
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.2	2.3			
FM (30°-60°)	1912.0	32.7			
FH (60°-80°)	2201.2	37.6			G2/5000
FVH (80°-90°)	205.3	3.5			G2/225
BL (0°-30°)	116.2	2.0	B1/500		
BM (30°-60°)	579.7	9.9	B1/1000		
BH (60°-80°)	469.6	8.0	B1/500		G1/500
BVH (80°-90°)	112.6	1.9			G2/225
UL (90°-100°)	86.3	1.5		U3/500	
UH (100°-180°)	62.3	1.1		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.8	7.1	6.5	6.5	7.1	6.5	5.8	5.2	4.5	4.5	3.9
5°	72.6	70.7	70.0	56.4	25.9	20.1	9.1	7.1	5.8	4.5	3.9
7.5°	80.4	79.7	79.1	79.1	77.8	73.9	42.1	20.7	11.7	5.8	5.2
10°	92.1	90.8	86.9	84.9	83.0	81.7	75.8	72.0	32.4	9.7	8.4
12.5°	164.0	161.4	157.5	116.7	99.8	88.2	86.2	83.0	72.0	29.8	60.3
15°	176.3	175.7	173.1	171.1	166.0	110.2	133.5	152.3	172.4	140.7	156.9
17.5°	221.7	215.2	198.4	188.6	185.4	202.3	193.2	196.4	196.4	189.3	179.6
20°	331.3	326.7	318.3	280.7	211.3	260.6	255.4	217.2	223.7	276.8	321.5
22.5°	399.3	394.8	377.3	353.3	348.8	289.8	301.5	329.3	337.1	388.3	387.7
25°	542.0	533.5	495.9	425.3	434.3	374.1	420.7	414.3	394.2	427.9	439.5
27.5°	661.9	654.8	636.6	601.0	503.7	523.2	478.4	470.0	523.8	618.5	616.5
30°	794.1	755.2	706.6	695.6	623.6	593.2	604.8	632.7	652.8	661.9	684.6
32.5°	963.3	958.8	922.5	779.2	756.5	678.1	733.9	695.6	711.2	842.1	919.9
35°	1080.7	1092.4	1028.2	942.6	835.0	833.0	809.7	848.0	922.5	940.7	994.5
37.5°	1354.3	1357.5	1299.8	1055.4	985.4	918.0	990.6	1000.9	1021.7	1052.8	1098.2
40°	1560.4	1531.2	1459.9	1278.4	1126.1	1052.8	1104.7	1103.4	1148.8	1205.8	1234.3
42.5°	1814.5	1782.1	1654.4	1448.9	1306.3	1225.3	1230.4	1219.4	1257.0	1347.1	1364.6
45°	2027.8	2013.6	1915.0	1698.5	1505.3	1408.1	1373.1	1359.4	1378.2	1491.7	1501.4
47.5°	2229.4	2191.2	2127.0	1907.9	1794.4	1617.5	1517.0	1484.6	1490.4	1619.4	1647.9
50°	2442.7	2378.5	2299.5	2106.9	2024.6	1880.7	1682.3	1631.7	1633.7	1753.0	1801.6
52.5°	2569.1	2467.4	2416.1	2256.7	2173.7	2101.7	1855.4	1767.9	1776.9	1889.7	1963.6
55°	2490.7	2460.2	2461.5	2366.2	2304.6	2220.4	2023.3	1925.4	1935.8	2068.0	2160.7
57.5°	2358.4	2381.8	2464.1	2460.2	2425.9	2343.5	2190.5	2099.1	2158.8	2269.6	2367.5
60°	2256.7	2283.2	2416.8	2485.5	2549.7	2489.4	2363.6	2324.1	2379.8	2476.4	2593.8
62.5°	2086.8	2108.2	2291.7	2473.2	2546.4	2613.9	2528.3	2564.0	2615.2	2696.8	2839.5
65°	1854.7	1849.5	2077.7	2360.4	2525.1	2683.2	2740.3	2805.8	2852.4	2940.0	3069.6
67.5°	1580.5	1606.4	1798.3	2117.3	2441.4	2718.2	2918.6	3038.5	3067.7	3101.4	3194.7
70°	1290.7	1289.4	1457.3	1796.4	2261.9	2698.8	3087.8	3191.5	3192.1	3172.0	3199.9
72°	984.1	963.3	1093.0	1382.1	1964.3	2594.4	3174.6	3247.2	3223.3	3163.6	3061.8
72.5°	844.7	863.5	985.4	1301.7	1830.7	2542.6	3183.7	3246.6	3220.7	3155.2	3020.3
75°	428.5	401.3	470.7	697.6	1262.9	2054.4	3118.2	3183.1	3110.5	3028.8	2648.2
77.5°	167.9	172.4	199.7	301.5	614.6	1353.0	2691.7	2833.0	2786.3	2728.6	2088.8
80°	118.0	118.0	133.5	171.8	315.1	549.7	1865.1	2070.6	2142.6	2171.1	1397.0
82.5°	85.6	86.9	101.8	119.9	225.0	263.9	916.0	1150.7	1264.1	1370.5	781.2
85°	79.7	79.7	81.7	80.4	160.8	188.0	333.2	491.4	567.9	665.8	315.7
87.5°	37.6	40.8	60.3	48.0	79.1	116.0	181.5	197.1	201.6	228.8	226.9
90°	24.6	24.6	20.1	20.7	38.9	94.0	145.9	149.1	143.3	167.9	211.3
92.5°	25.3	25.9	18.8	19.4	30.5	86.2	149.8	152.3	147.8	176.3	224.3
95°	23.3	23.3	16.2	16.9	24.0	66.1	149.8	152.3	139.4	175.7	224.3
97.5°	19.4	20.1	13.0	13.6	18.8	32.4	103.7	111.5	88.8	89.5	109.6
100°	16.9	16.9	10.4	11.0	13.6	14.9	52.5	55.1	49.3	22.0	14.9
102.5°	16.9	16.9	9.1	9.1	9.1	8.4	16.2	27.2	22.7	13.0	14.3
105°	16.2	16.9	8.4	7.1	7.1	6.5	8.4	10.4	10.4	10.4	14.9
107.5°	13.0	13.6	6.5	6.5	5.8	5.8	4.5	4.5	6.5	9.7	16.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.4	10.4	5.2	5.8	4.5	5.2	3.9	3.9	5.8	7.1	12.3
112.5°	5.8	5.8	3.9	4.5	3.9	4.5	3.9	3.9	4.5	5.8	7.8
115°	5.2	5.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9	5.2	8.4
117.5°	5.2	5.2	3.2	3.2	3.2	2.6	2.6	3.2	3.2	5.2	8.4
120°	5.2	5.2	3.2	3.2	2.6	2.6	2.6	3.2	3.2	5.2	8.4
122.5°	5.8	5.2	3.2	2.6	2.6	2.6	2.6	2.6	3.2	4.5	8.4
125°	5.8	5.2	3.9	2.6	2.6	2.6	2.6	2.6	3.2	4.5	7.1
127.5°	5.8	5.8	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	6.5
130°	5.8	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.8
132.5°	5.2	5.2	3.9	2.6	3.2	2.6	2.6	2.6	2.6	3.2	4.5
135°	4.5	4.5	3.2	3.2	3.2	2.6	2.6	2.6	2.6	2.6	3.9
137.5°	4.5	4.5	3.9	3.2	3.2	3.2	2.6	2.6	2.6	2.6	3.2
140°	4.5	4.5	3.9	3.9	3.9	3.2	2.6	2.6	2.6	3.2	3.2
142.5°	5.2	5.2	4.5	3.9	3.9	3.2	2.6	2.6	3.2	3.2	3.2
145°	5.8	5.8	5.2	4.5	3.9	2.6	2.6	3.2	3.2	3.2	3.9
147.5°	5.8	5.8	5.2	3.9	3.2	2.6	2.6	3.2	3.2	3.9	3.9
150°	5.2	5.2	4.5	3.2	2.6	1.9	2.6	2.6	3.2	3.9	3.9
152.5°	3.9	3.9	3.2	2.6	1.9	1.3	1.9	2.6	2.6	3.2	3.9
155°	2.6	2.6	1.9	1.3	1.3	1.3	1.9	1.9	1.9	2.6	3.2
157.5°	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.9	1.9	1.9	2.6
160°	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.9	1.9	1.9	1.9
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5	5.2	5.8
5°	3.9	3.9	3.9	3.9	4.5	5.2	5.8	6.5	7.1	7.8	7.8
7.5°	4.5	4.5	4.5	5.2	5.8	7.1	16.2	57.0	77.8	84.9	83.0
10°	8.4	8.4	7.8	7.8	9.1	75.8	96.6	105.0	109.6	114.7	114.7
12.5°	67.4	77.8	27.9	15.6	75.2	106.3	114.1	119.9	123.8	129.0	129.0
15°	162.7	165.3	169.8	153.0	147.8	120.6	125.8	170.5	224.3	238.6	239.9
17.5°	182.8	186.1	189.3	224.3	238.6	184.8	212.6	239.2	244.4	249.6	249.6
20°	348.8	354.0	287.2	257.4	251.5	313.1	240.5	247.0	256.1	302.1	306.6
22.5°	395.5	398.7	373.4	389.6	285.2	327.4	316.4	316.4	354.0	356.6	357.2
25°	443.4	461.6	413.6	400.6	405.8	331.3	373.4	337.1	342.3	346.2	346.8
27.5°	647.0	644.4	605.5	458.3	407.1	401.3	362.4	332.6	389.0	403.9	404.5
30°	687.8	681.3	646.3	536.8	422.7	397.4	341.6	384.4	374.1	376.0	376.7
32.5°	945.8	935.5	836.3	543.3	441.5	366.9	370.8	357.9	359.1	399.3	400.6
35°	1010.7	996.4	857.0	628.2	420.7	372.1	342.9	359.1	365.6	363.7	363.7
37.5°	1097.5	1070.3	850.5	590.6	437.6	348.1	328.0	339.1	335.2	359.8	358.5
40°	1192.2	1153.9	853.8	547.8	396.7	326.7	314.4	324.1	321.5	314.4	309.2
42.5°	1312.8	1246.6	853.1	512.1	359.1	319.6	296.9	296.3	285.2	273.6	269.7
45°	1435.9	1344.5	855.7	471.3	330.6	313.8	287.2	271.6	261.9	249.6	246.3
47.5°	1570.8	1448.9	863.5	438.9	308.6	296.3	274.9	256.1	248.9	233.4	232.1
50°	1730.3	1558.5	866.1	413.0	282.7	280.7	265.8	245.1	234.0	218.5	217.2
52.5°	1902.1	1674.5	870.6	374.7	262.6	274.9	271.0	242.5	237.9	217.8	216.5
55°	2064.8	1784.7	869.3	328.7	253.5	269.7	271.0	259.3	252.2	219.1	216.5
57.5°	2260.6	1904.0	849.9	285.9	239.2	261.9	283.9	274.2	266.4	239.2	234.0
60°	2435.6	2027.2	792.2	252.8	226.9	253.5	295.0	285.2	263.2	245.7	240.5
62.5°	2640.4	2133.5	711.8	228.8	222.4	256.1	298.9	292.4	265.1	259.3	257.4
65°	2779.2	2173.7	589.9	209.4	221.7	256.1	297.6	298.9	279.4	285.2	284.6
67.5°	2796.0	2121.8	447.3	194.5	213.9	256.1	295.6	311.8	292.4	316.4	317.7
70°	2715.0	1992.2	326.1	179.6	205.5	252.8	296.3	320.3	302.1	339.7	337.1
72°	2528.3	1795.7	263.9	169.8	198.4	247.6	300.8	324.8	310.5	345.5	339.7
72.5°	2479.7	1735.4	252.2	168.6	197.1	247.0	302.1	326.1	311.2	351.4	344.2
75°	2075.1	1382.1	216.5	158.8	199.0	243.8	308.6	325.4	315.1	355.3	356.6
77.5°	1572.1	931.6	191.9	150.4	198.4	237.9	306.6	320.3	309.2	341.6	348.8
80°	973.1	542.0	170.5	149.8	197.1	235.3	298.2	306.6	293.0	319.0	320.9
82.5°	532.2	317.0	147.8	147.2	191.2	228.2	282.0	291.1	278.1	306.6	286.5
85°	272.3	215.2	110.9	120.6	167.3	214.6	263.2	262.6	249.6	260.0	245.7
87.5°	210.0	169.2	72.0	86.9	136.8	177.0	216.5	214.6	197.7	199.0	193.2
90°	193.2	151.0	47.3	61.6	114.1	127.1	150.4	144.6	132.9	135.5	133.5
92.5°	194.5	149.1	45.4	65.5	109.6	114.1	138.1	131.0	119.3	120.6	116.7
95°	189.9	143.3	45.4	57.7	90.8	81.0	99.2	96.6	86.9	82.3	80.4
97.5°	90.8	71.3	42.1	42.8	51.2	44.1	60.3	64.8	51.9	41.5	41.5
100°	15.6	24.0	37.0	43.4	37.0	27.9	38.2	44.1	29.8	13.6	14.9
102.5°	15.6	14.9	28.5	37.0	26.6	14.9	22.0	29.2	18.8	10.4	11.0
105°	16.9	15.6	13.6	25.3	15.6	7.8	8.4	14.9	10.4	10.4	10.4
107.5°	18.2	16.9	9.7	9.7	7.8	7.1	6.5	5.8	7.1	10.4	11.0



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.6	13.6	9.1	7.8	7.1	7.1	5.2	5.2	7.1	11.0	11.0
112.5°	9.7	9.7	7.8	6.5	5.8	7.1	5.2	5.2	6.5	11.0	11.7
115°	9.7	9.7	7.1	5.8	5.2	5.8	5.2	4.5	6.5	11.0	11.7
117.5°	9.7	9.7	7.1	5.2	4.5	4.5	3.9	4.5	6.5	11.0	11.7
120°	9.7	9.7	7.1	5.2	4.5	3.9	3.9	3.9	6.5	11.0	11.7
122.5°	9.1	9.1	6.5	4.5	3.9	3.2	3.2	3.9	5.8	10.4	11.0
125°	8.4	8.4	5.8	4.5	3.9	3.2	3.2	3.2	5.8	9.7	10.4
127.5°	7.8	7.8	5.8	3.9	3.2	3.2	3.2	3.2	5.2	9.1	9.7
130°	6.5	6.5	5.2	3.9	3.2	2.6	3.2	3.2	5.2	8.4	8.4
132.5°	5.2	5.2	3.9	3.2	3.2	2.6	2.6	3.2	4.5	7.1	7.8
135°	3.9	3.9	3.9	3.2	3.2	2.6	2.6	2.6	3.9	5.8	6.5
137.5°	3.2	3.9	3.2	3.2	3.2	2.6	2.6	2.6	3.9	5.2	5.2
140°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	2.6	3.9	4.5	5.2
142.5°	3.2	3.9	3.2	3.2	3.2	2.6	2.6	3.2	3.9	5.2	5.2
145°	3.9	3.9	3.9	3.2	3.2	1.9	1.9	3.2	3.9	5.2	5.2
147.5°	3.9	3.9	3.9	3.2	2.6	1.9	1.9	2.6	3.9	5.2	5.2
150°	3.9	3.9	3.9	3.2	2.6	1.3	1.3	2.6	3.2	4.5	5.2
152.5°	3.9	3.9	3.2	3.2	1.9	1.3	0.6	1.9	2.6	3.9	3.9
155°	3.2	3.2	3.2	2.6	1.9	0.6	0.0	0.6	1.9	3.2	3.2
157.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.6	0.6	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.6	1.3	1.3
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)