

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: P416156

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833 lumens
Efficiency: N/A
Efficacy: 91.1 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 - G3

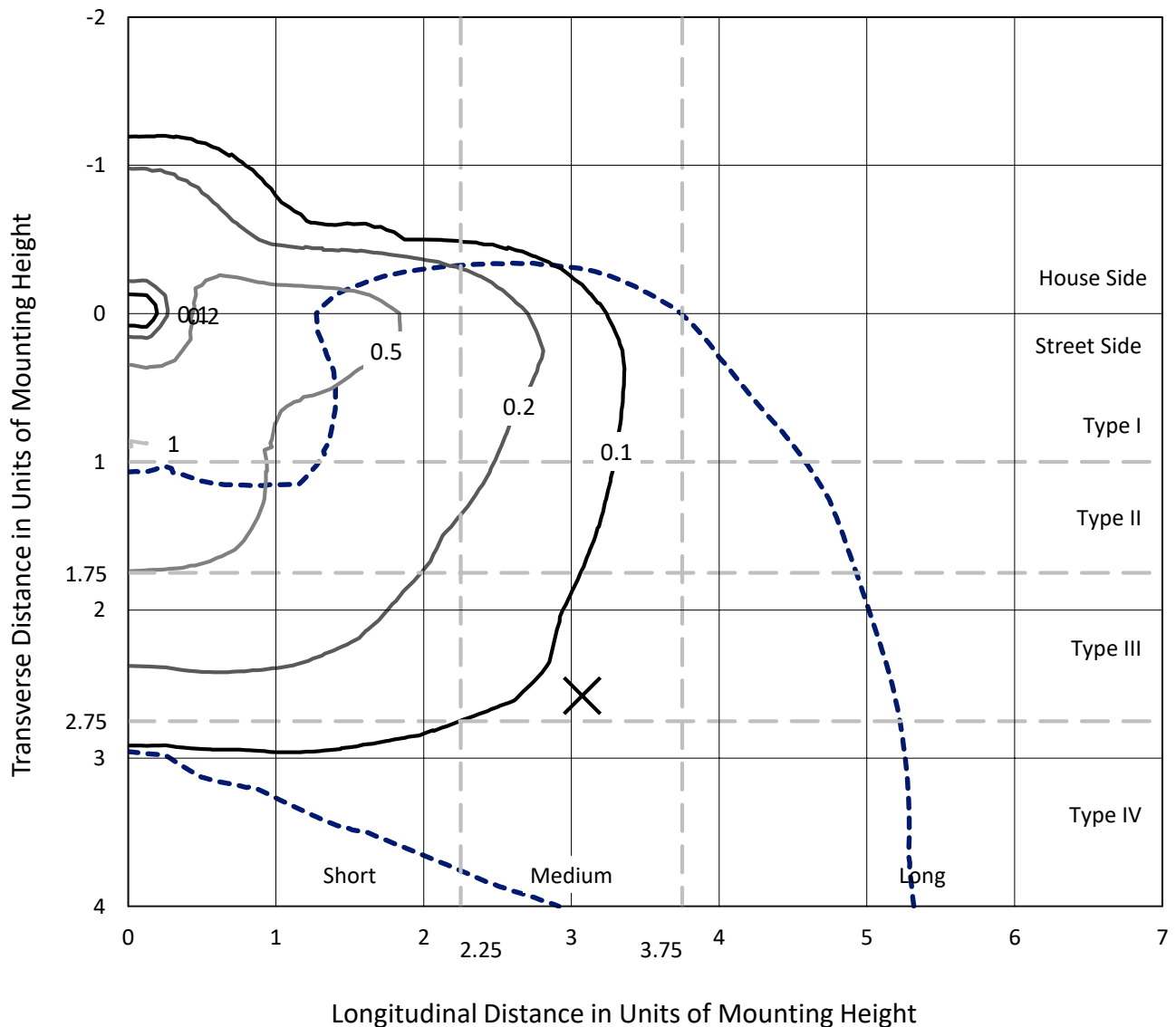
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

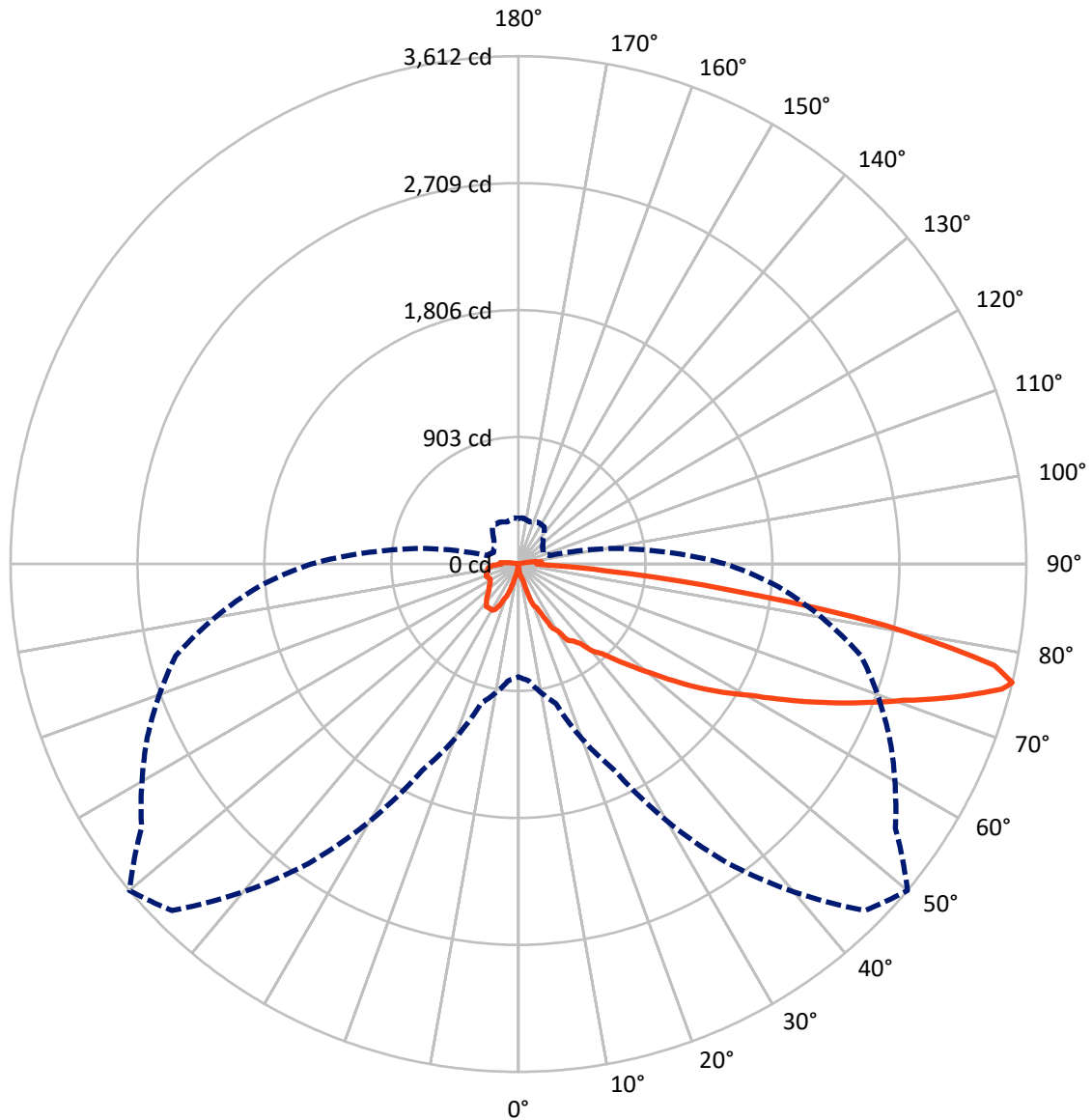
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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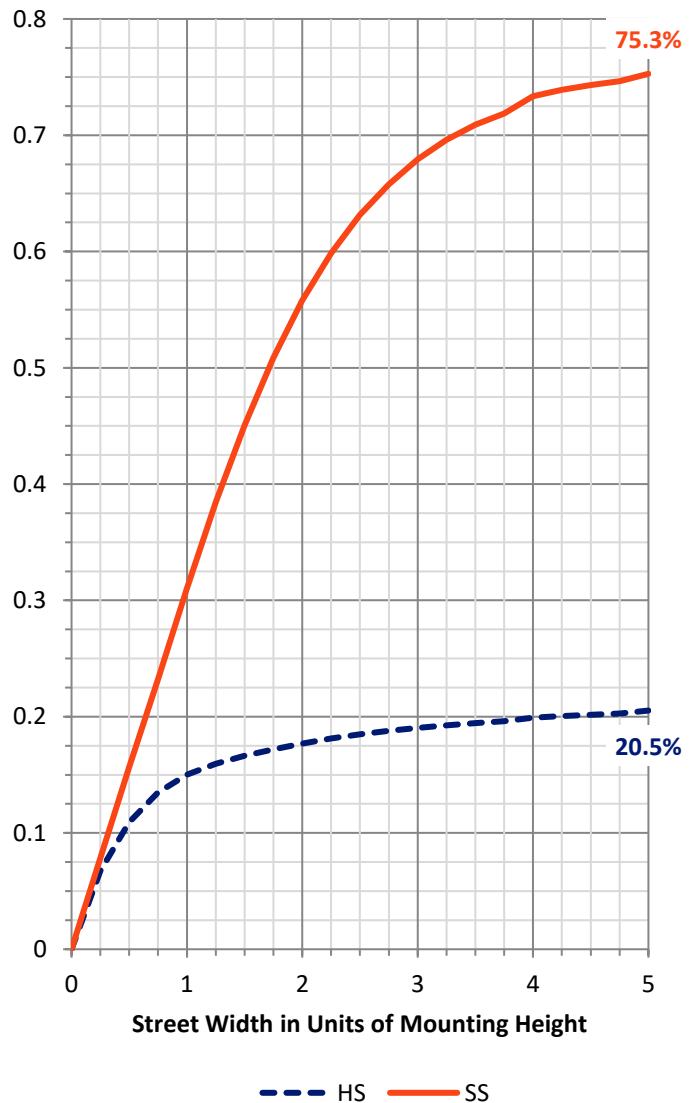
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.1	71.7	1344.8
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	4430.6	57.6	4488.2
	% Fixture	76.0	1.0	76.9
Total	Lumens	5703.7	129.3	5833.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	48.7	0.8
20°-30°	190.3	3.3
30°-40°	409.6	7.0
40°-50°	667.3	11.4
50°-60°	1074.3	18.4
60°-70°	1564.8	26.8
70°-80°	1396.0	23.9
80°-90°	349.7	6.0
90°-100°	102.4	1.8
100°-110°	15.2	0.3
110°-120°	4.3	0.1
120°-130°	3.0	0.1
130°-140°	2.0	0.0
140°-150°	1.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5703.7	97.8
0°-180°	5833.0	100.0

Coefficient of Utilization



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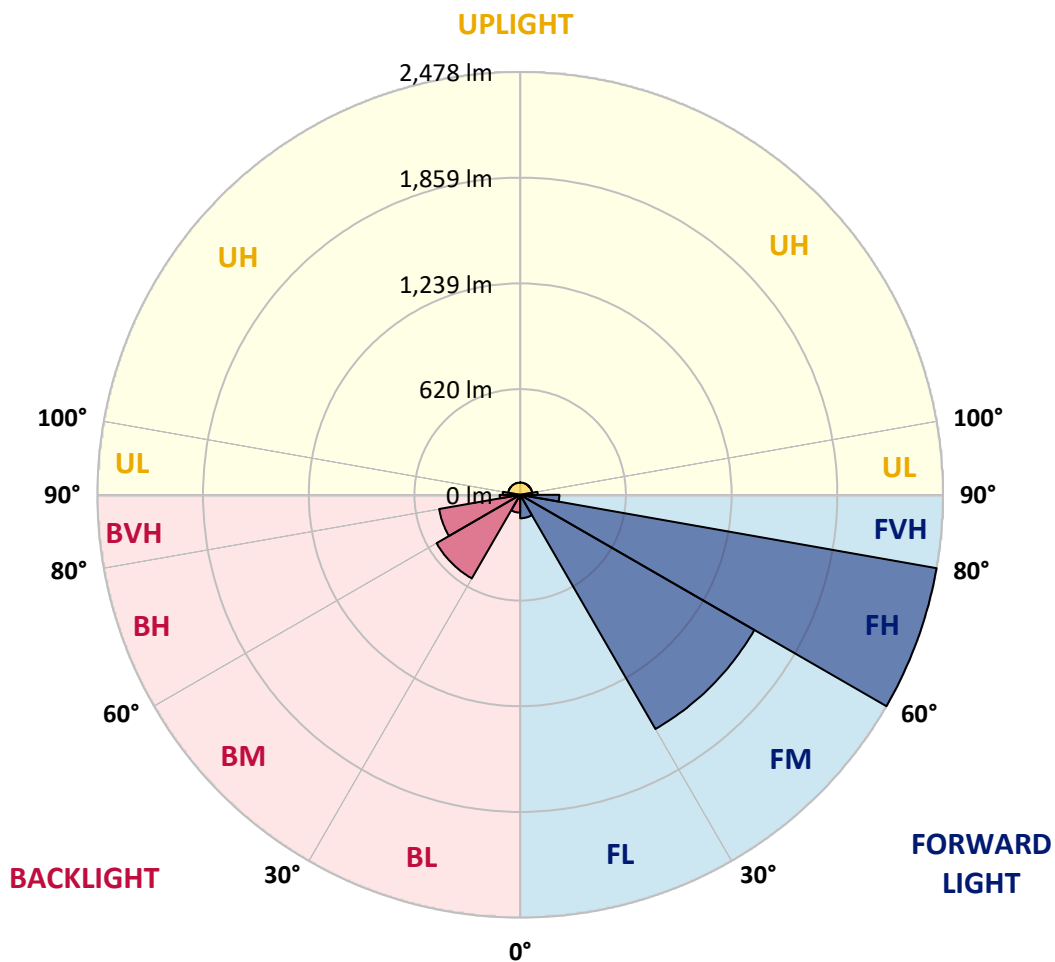
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.5	2.4			
FM	(30°-60°)	1585.0	27.2			
FH	(60°-80°)	2478.5	42.5			G2/5000
FVH	(80°-90°)	229.6	3.9			G3/500
BL	(0°-30°)	104.7	1.8	B0/110		
BM	(30°-60°)	566.1	9.7	B1/1000		
BH	(60°-80°)	482.3	8.3	B1/500		G1/500
BVH	(80°-90°)	120.1	2.1			G2/225
UL	(90°-100°)	102.4	1.8		U3/500	
UH	(100°-180°)	71.7	1.2		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	8.4	6.5	5.8	5.2	5.2	4.5	4.5	3.9	3.9	3.9	3.9
5°	81.7	79.1	73.3	68.1	23.3	19.4	16.2	12.3	4.5	4.5	3.9
7.5°	97.9	95.9	92.1	89.5	85.6	79.7	73.3	34.4	13.6	5.2	4.5
10°	128.4	118.6	110.9	104.4	99.8	90.1	87.5	82.3	22.7	9.7	7.1
12.5°	229.5	224.3	216.5	147.2	121.2	103.7	99.8	95.3	73.9	35.0	62.9
15°	252.8	247.6	239.9	230.1	215.9	127.7	119.9	149.1	190.6	143.3	149.7
17.5°	296.9	294.3	273.6	250.2	236.0	250.9	251.5	228.2	216.5	189.3	172.4
20°	411.6	409.0	397.4	337.7	267.1	317.0	315.7	304.0	243.1	279.4	300.8
22.5°	428.5	425.3	414.9	398.7	422.7	347.5	339.0	339.0	358.5	379.9	353.9
25°	564.0	560.7	481.7	419.4	453.1	413.6	414.9	459.0	396.7	416.8	398.0
27.5°	589.3	584.7	578.2	536.8	477.1	523.8	516.7	492.7	516.0	575.7	555.6
30°	687.8	637.9	616.5	592.5	563.3	554.9	551.7	595.1	612.0	608.1	613.9
32.5°	798.0	796.1	775.3	632.0	637.2	596.4	648.9	668.4	642.4	738.4	799.9
35°	958.8	892.6	852.5	757.2	663.2	689.7	671.6	691.7	780.5	789.6	848.6
37.5°	1205.1	1201.2	1109.2	835.6	764.9	706.0	718.9	774.7	833.0	846.0	925.7
40°	1408.7	1389.9	1331.5	1041.7	831.7	763.6	815.5	803.2	864.8	910.2	986.6
42.5°	1559.7	1577.2	1544.1	1205.8	965.9	855.0	870.6	854.4	911.4	996.4	1074.2
45°	1704.3	1697.1	1719.8	1372.4	1094.9	972.4	971.1	931.5	997.0	1092.3	1194.7
47.5°	1822.2	1811.9	1835.2	1553.2	1243.4	1078.7	1087.8	1036.6	1099.4	1212.2	1373.7
50°	1953.8	1933.7	1949.3	1704.9	1437.2	1232.3	1220.0	1180.5	1216.1	1369.8	1592.1
52.5°	2112.0	2097.8	2069.9	1856.0	1636.8	1390.5	1374.9	1336.7	1375.6	1565.5	1833.9
55°	2254.0	2237.8	2215.1	2064.0	1802.8	1551.3	1551.9	1513.7	1589.5	1779.5	2114.6
57.5°	2401.8	2394.0	2405.7	2296.8	2040.1	1719.2	1723.1	1699.7	1835.9	1999.2	2412.2
60°	2524.3	2512.6	2577.5	2534.7	2250.7	1911.1	1895.5	1920.8	2087.4	2228.7	2713.6
62.5°	2571.0	2578.8	2701.3	2753.8	2454.9	2117.9	2123.7	2158.0	2320.1	2503.6	3004.0
65°	2351.9	2379.1	2721.4	2792.0	2682.5	2347.3	2375.2	2369.4	2558.7	2705.8	3249.1
67.5°	2114.0	2145.1	2517.2	2801.8	2858.8	2617.0	2631.3	2573.6	2764.2	2832.2	3431.9
70°	1945.4	1969.4	2275.4	2746.7	2967.1	2898.3	2904.8	2797.9	2913.3	2980.7	3425.4
72.5°	1653.7	1679.0	1961.6	2538.6	3034.5	3239.3	3239.3	3003.4	3033.8	2977.4	3024.8
75°	1117.6	1127.3	1358.7	1970.7	2860.1	3517.4	3551.1	3227.7	2992.3	2704.5	2255.9
76°	802.5	832.4	1026.2	1618.0	2597.6	3485.7	3612.1	3273.0	2911.3	2523.7	1856.6
77.5°	425.3	452.5	605.5	1035.9	2106.8	3241.3	3459.7	3133.7	2654.6	2166.5	1373.0
80°	166.6	164.7	208.1	368.9	1067.0	2465.3	2647.5	2309.7	1795.7	1255.0	652.1
82.5°	91.4	100.5	132.2	195.1	462.9	1360.0	1495.5	1218.7	916.6	578.9	381.2
85°	58.3	59.6	77.8	120.6	285.9	573.1	629.5	521.8	429.1	355.2	271.0
87.5°	35.0	36.3	40.8	55.7	141.3	168.5	184.1	216.5	246.3	244.4	234.0
90°	24.0	24.0	20.1	22.0	66.1	134.8	129.7	138.1	125.8	159.5	225.6
92.5°	23.3	23.3	19.4	20.1	56.4	149.7	150.4	149.7	132.9	162.7	237.3
95°	20.7	21.4	16.9	17.5	41.5	140.0	164.7	159.5	134.2	164.0	236.6
97.5°	17.5	18.2	13.0	14.9	27.9	94.6	122.5	125.1	83.6	83.0	107.0
100°	13.0	13.6	9.1	11.7	16.9	43.4	65.5	61.6	41.5	22.7	14.9
102.5°	12.3	13.0	7.8	9.1	10.4	14.9	24.0	18.2	15.6	13.0	13.0
105°	13.6	13.6	7.1	6.5	6.5	7.1	5.8	8.4	9.1	9.7	13.6
107.5°	11.7	12.3	5.2	5.2	4.5	4.5	3.9	3.9	5.2	8.4	14.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	9.1	9.1	4.5	4.5	3.2	3.9	3.9	3.2	4.5	6.5	11.7
112.5°	5.2	5.8	2.6	3.9	2.6	3.2	3.2	2.6	3.9	4.5	6.5
115°	5.2	5.2	2.6	1.9	1.9	1.9	2.6	2.6	3.2	4.5	7.1
117.5°	5.2	5.2	2.6	1.9	1.3	1.9	1.9	1.9	3.2	4.5	7.1
120°	5.2	5.2	2.6	1.3	1.3	1.3	1.3	1.9	3.2	4.5	7.1
122.5°	5.8	5.2	2.6	1.3	1.3	1.3	1.3	1.9	3.2	4.5	6.5
125°	5.8	5.2	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.8
127.5°	5.8	5.2	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.2
130°	5.2	5.2	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.9	5.2
132.5°	5.2	4.5	2.6	1.3	1.3	1.3	1.3	1.9	2.6	3.2	4.5
135°	4.5	3.9	2.6	1.3	1.9	1.3	1.9	1.9	2.6	3.2	3.9
137.5°	3.9	3.9	2.6	1.9	1.9	1.9	1.9	1.9	2.6	3.2	3.2
140°	4.5	3.9	2.6	2.6	1.9	1.9	1.9	1.9	2.6	3.2	3.2
142.5°	5.2	4.5	3.2	2.6	2.6	1.9	1.9	2.6	2.6	3.2	3.2
145°	5.2	5.2	3.9	3.2	1.9	1.9	1.9	2.6	3.2	3.2	3.9
147.5°	5.8	5.2	3.9	3.2	1.9	1.3	1.9	1.9	3.2	3.9	3.9
150°	5.2	5.2	3.2	2.6	1.3	0.6	1.3	1.9	3.2	3.9	3.9
152.5°	3.9	3.9	2.6	1.3	0.6	0.6	1.3	1.9	2.6	3.2	3.9
155°	2.6	2.6	1.3	0.6	0.0	0.6	0.6	1.3	1.9	2.6	3.2
157.5°	1.3	1.3	0.6	0.0	0.0	0.6	0.6	1.3	1.9	2.6	2.6
160°	0.6	0.0	0.0	0.0	0.0	0.6	0.6	1.3	1.3	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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	3.9	3.2	3.2	2.6	2.6	1.9	1.9	1.9	1.9	2.6	3.2
5°	3.9	3.9	3.2	3.2	3.2	2.6	2.6	3.9	4.5	5.2	5.2
7.5°	3.9	3.9	3.9	3.2	3.9	5.2	20.7	59.6	65.5	69.4	70.7
10°	7.1	6.5	5.8	5.2	9.7	66.1	81.7	88.8	92.1	95.3	95.3
12.5°	68.1	68.1	27.9	15.6	66.8	88.8	93.3	98.5	103.1	107.6	108.3
15°	147.8	145.9	140.7	129.0	111.5	100.5	105.0	155.6	182.8	195.1	193.2
17.5°	169.2	166.6	163.4	186.0	193.8	154.9	180.9	201.0	206.8	213.3	212.6
20°	313.8	310.5	241.8	216.5	212.0	260.0	206.8	211.3	221.7	282.6	284.6
22.5°	351.4	347.5	323.5	330.0	247.6	282.0	272.9	285.9	318.9	328.7	330.0
25°	411.6	396.1	366.9	344.9	350.7	294.3	339.7	318.3	330.6	342.3	344.2
27.5°	569.8	560.7	508.9	386.4	357.8	368.2	353.9	346.2	413.6	438.2	440.2
30°	613.9	604.8	540.0	447.3	377.3	377.3	356.5	431.7	435.0	447.9	451.2
32.5°	834.3	816.2	686.5	454.4	391.5	360.4	403.9	425.3	477.1	516.0	522.5
35°	885.5	870.0	708.5	519.3	378.6	375.3	381.2	447.9	486.2	509.5	514.7
37.5°	938.7	921.2	706.0	494.6	401.3	357.8	370.8	418.8	473.9	534.2	541.9
40°	1011.3	989.9	709.2	462.9	376.0	338.4	348.1	401.9	439.5	477.1	483.6
42.5°	1108.5	1065.7	715.0	434.3	346.8	330.0	331.9	363.0	380.5	396.1	396.1
45°	1239.5	1170.1	717.0	404.5	317.6	310.5	313.1	327.4	333.9	324.1	319.6
47.5°	1415.1	1299.1	741.0	377.9	293.0	289.1	291.1	295.6	292.4	267.1	262.5
50°	1620.0	1450.8	753.9	354.6	274.9	274.2	271.0	271.0	259.3	230.8	228.8
52.5°	1846.2	1631.7	764.9	326.1	261.9	265.1	265.1	251.5	234.0	211.3	209.4
55°	2133.4	1840.4	781.1	301.4	250.9	250.2	257.4	240.5	222.4	202.9	202.9
57.5°	2418.6	2061.5	800.6	280.0	238.6	239.9	250.2	236.6	226.9	219.1	218.5
60°	2703.9	2289.6	769.5	260.6	234.0	231.4	248.3	251.5	239.9	244.4	248.9
62.5°	2971.6	2435.5	644.4	243.7	225.6	229.5	265.1	285.2	281.3	276.8	278.1
65°	3098.0	2465.3	522.5	228.8	219.8	243.1	292.4	322.8	309.9	295.0	293.7
67.5°	3119.4	2388.2	384.4	219.8	216.5	267.1	313.8	331.3	311.8	306.0	300.8
70°	2969.0	2192.4	307.3	210.0	219.1	271.0	327.4	329.3	315.1	321.5	315.1
72.5°	2525.0	1826.1	269.0	201.0	219.8	261.2	327.4	330.0	313.8	332.6	329.3
75°	1808.0	1280.3	239.2	193.2	212.6	250.2	322.8	329.3	309.9	330.6	325.4
76°	1472.8	1015.8	230.8	195.1	209.4	246.3	321.5	327.4	310.5	329.3	324.1
77.5°	973.0	663.8	216.5	193.8	203.6	244.4	318.3	324.8	309.9	325.4	320.2
80°	520.5	376.0	195.1	180.9	196.4	245.7	315.7	318.3	297.5	315.1	308.6
82.5°	342.9	280.0	168.5	164.0	189.3	247.6	314.4	310.5	287.2	315.1	297.5
85°	269.0	231.4	126.4	131.6	172.4	239.2	310.5	299.5	278.1	285.9	275.5
87.5°	228.2	190.6	75.8	94.0	151.0	203.6	275.5	247.6	235.3	243.1	238.6
90°	214.6	168.5	42.8	66.1	113.4	135.5	173.7	161.4	156.2	165.3	163.4
92.5°	216.5	164.7	42.1	62.9	121.2	145.9	179.6	165.3	149.7	149.7	147.8
95°	206.8	153.6	41.5	49.9	109.6	142.0	168.5	148.5	120.6	114.7	112.8
97.5°	90.1	74.5	38.9	38.2	62.9	97.9	122.5	106.3	79.7	62.2	62.2
100°	14.9	24.0	33.7	37.0	37.0	51.9	69.4	65.5	38.2	20.1	20.7
102.5°	15.6	13.6	23.3	30.5	24.0	21.4	31.8	39.5	25.3	7.8	8.4
105°	16.2	14.3	11.7	21.4	13.6	7.1	9.7	18.2	11.7	7.8	7.8
107.5°	17.5	14.9	7.1	7.8	5.8	5.8	5.2	4.5	5.8	7.8	8.4



REPORT NUMBER: P416156

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.6	12.3	6.5	5.8	5.2	5.8	3.9	3.9	4.5	7.8	8.4
112.5°	7.8	7.8	5.8	4.5	4.5	5.2	3.2	3.2	4.5	8.4	8.4
115°	7.8	7.8	5.2	3.9	3.2	3.9	3.2	2.6	4.5	8.4	9.1
117.5°	7.8	7.8	5.2	3.9	3.2	2.6	2.6	2.6	4.5	8.4	9.1
120°	7.8	7.1	4.5	3.2	3.2	1.9	1.9	1.9	3.9	8.4	9.1
122.5°	7.1	7.1	4.5	3.2	2.6	1.9	1.9	1.9	3.9	7.8	8.4
125°	6.5	6.5	4.5	3.2	2.6	1.9	1.3	1.9	3.9	7.1	7.8
127.5°	5.8	5.8	3.9	3.2	2.6	1.9	1.3	1.9	3.9	7.1	7.8
130°	5.2	5.2	3.9	2.6	2.6	1.3	1.3	1.3	3.9	6.5	7.1
132.5°	4.5	4.5	3.2	2.6	1.9	1.3	0.6	1.3	3.2	5.8	5.8
135°	3.9	3.9	3.2	2.6	1.9	1.3	0.6	1.3	2.6	4.5	5.2
137.5°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.9	3.9
140°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.2	3.9
142.5°	3.2	3.2	2.6	2.6	1.9	1.3	0.6	1.3	1.9	3.2	3.9
145°	3.9	3.2	3.2	2.6	1.9	1.3	0.6	1.3	2.6	3.9	3.9
147.5°	3.9	3.9	3.2	2.6	1.9	1.3	0.6	1.3	2.6	3.9	3.9
150°	3.9	3.9	3.2	2.6	1.9	0.6	0.0	0.6	1.9	3.2	3.9
152.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0	0.0	1.3	2.6	2.6
155°	3.2	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	1.3	1.3
157.5°	2.6	2.6	1.9	1.3	0.6	0.6	0.0	0.0	0.0	0.6	0.6
160°	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
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)