

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: P416691

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7767 lumens
Efficiency: N/A
Efficacy: 93.6 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: B2 - U3 - G3

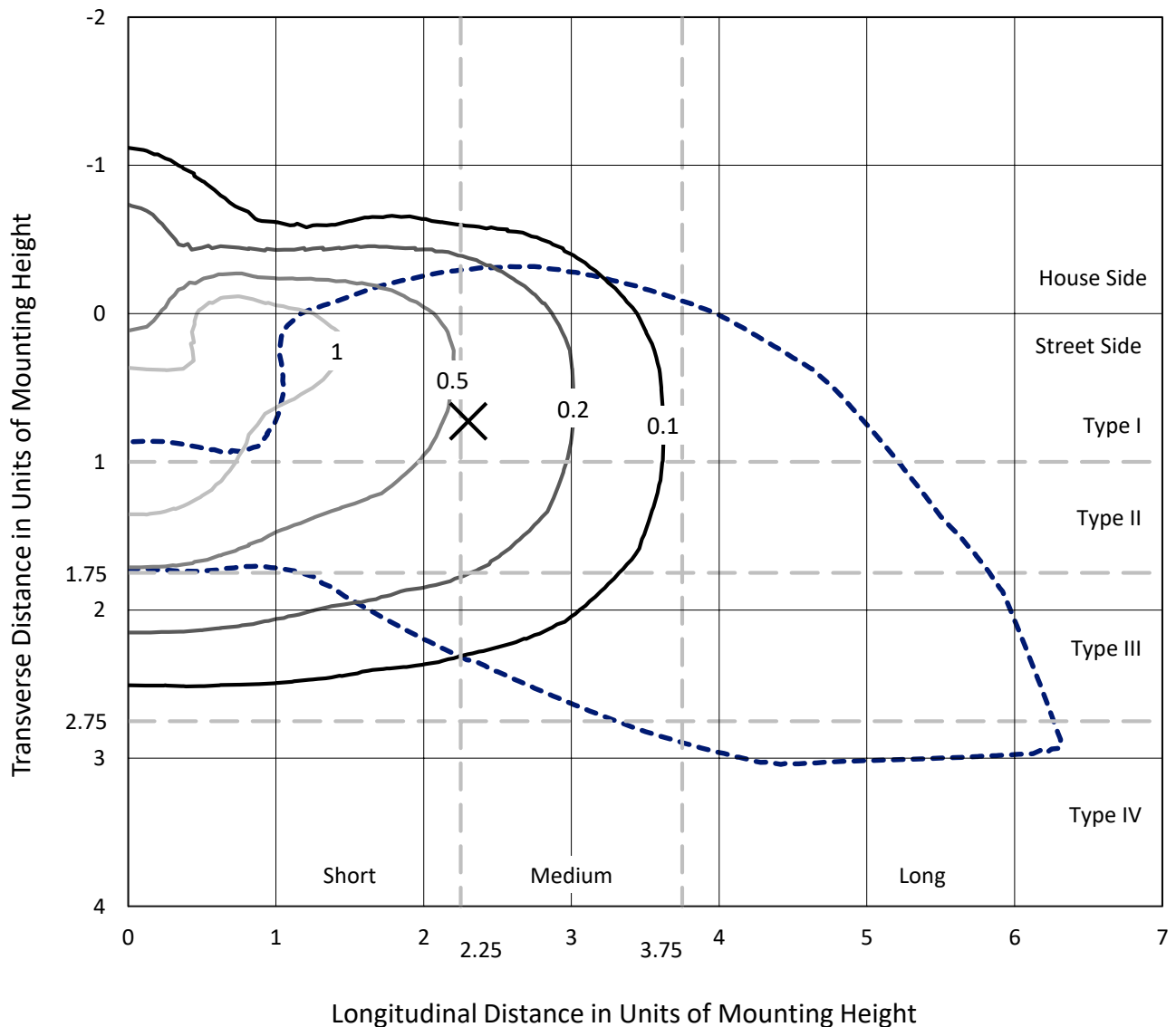
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

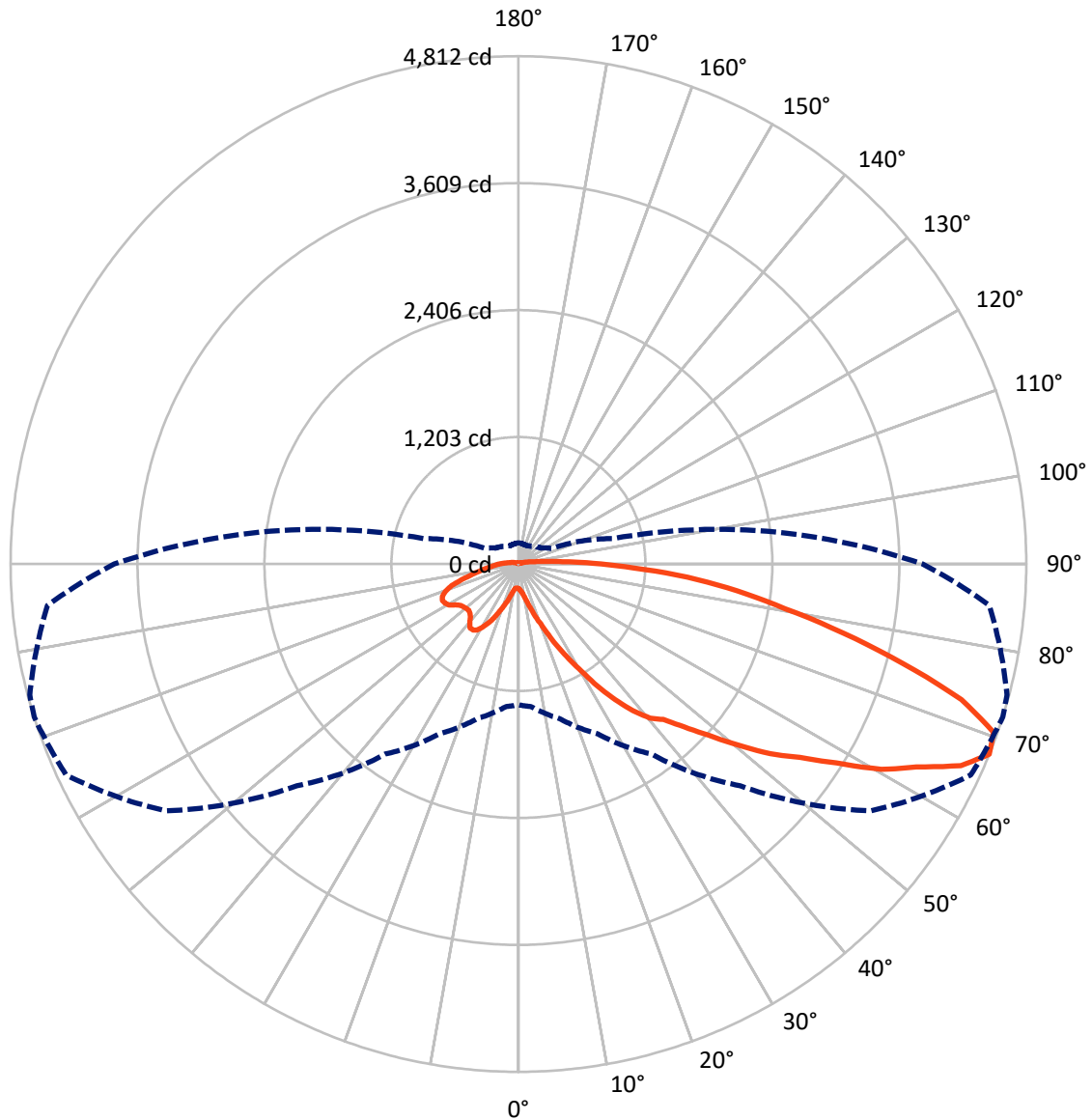
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1359.0	119.4	1478.5
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	6119.6	168.9	6288.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	7478.6	288.4	7767.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.3
10°-20°	104.8	1.3
20°-30°	290.5	3.7
30°-40°	624.6	8.0
40°-50°	1057.2	13.6
50°-60°	1551.1	20.0
60°-70°	1849.8	23.8
70°-80°	1381.4	17.8
80°-90°	594.9	7.7
90°-100°	172.6	2.2
100°-110°	56.2	0.7
110°-120°	26.3	0.3
120°-130°	16.1	0.2
130°-140°	10.3	0.1
140°-150°	4.6	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	7478.6	96.3
0°-180°	7767.0	100.0

Coefficient of Utilization



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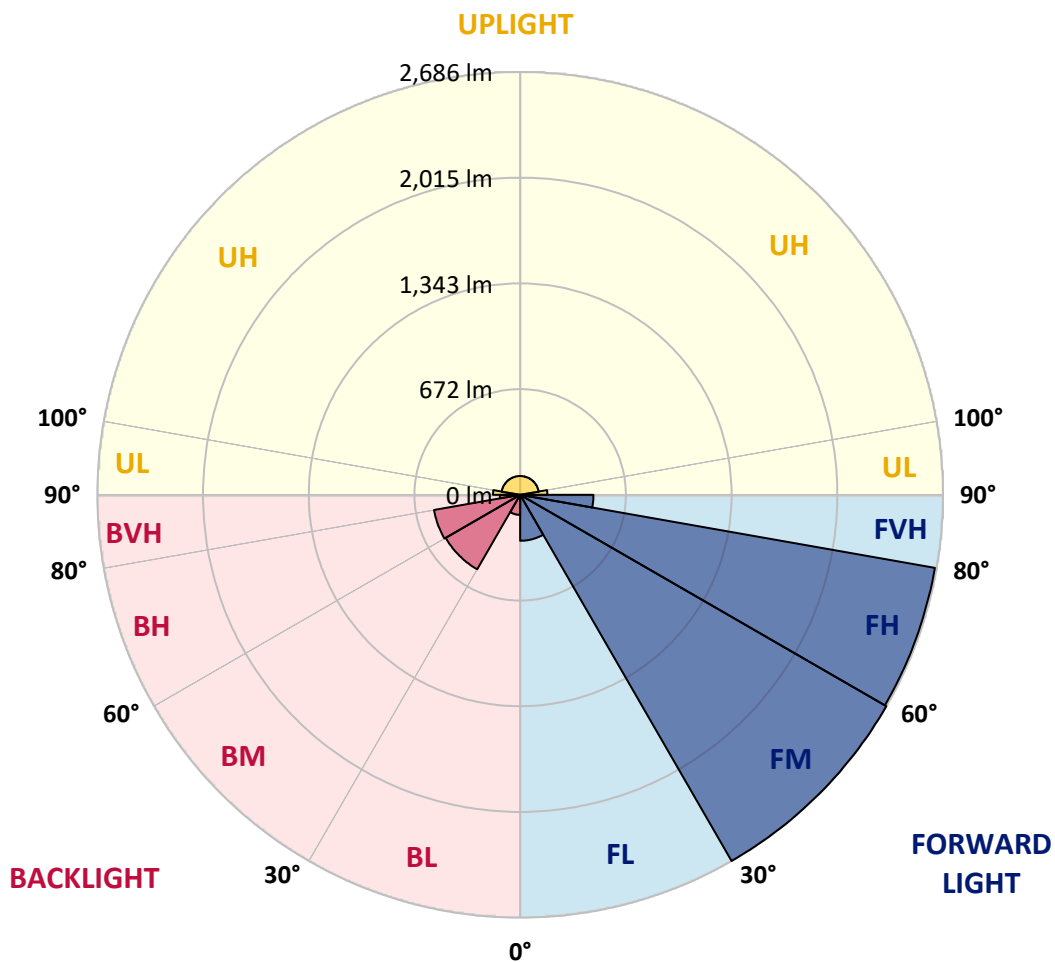
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.3	3.8			
FM	(30°-60°)	2686.4	34.6			
FH	(60°-80°)	2675.6	34.4			G2/5000
FVH	(80°-90°)	465.4	6.0			G3/500
BL	(0°-30°)	127.4	1.6	B1/500		
BM	(30°-60°)	546.5	7.0	B1/1000		
BH	(60°-80°)	555.6	7.2	B2/1000		G2/1000
BVH	(80°-90°)	129.6	1.7			G2/225
UL	(90°-100°)	172.6	2.2		U3/500	
UH	(100°-180°)	119.4	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	255.0	256.8	258.6	257.7	256.8	254.1	249.5	245.0	240.4	240.4	236.8
5°	291.4	290.5	289.6	290.5	285.9	279.6	272.3	264.1	257.7	255.9	246.8
7.5°	333.3	331.5	333.3	327.8	321.5	313.3	302.3	291.4	280.5	278.7	264.1
10°	383.4	381.6	380.6	376.1	364.3	352.4	341.5	324.2	316.0	313.3	294.1
12.5°	446.2	445.3	439.8	430.7	415.2	403.4	387.9	378.8	370.6	364.3	345.1
15°	518.2	520.0	513.6	494.5	475.4	457.1	449.9	442.6	436.2	433.5	417.1
17.5°	619.2	615.6	601.0	571.9	540.9	526.3	520.0	515.4	521.8	520.0	494.5
20°	744.0	734.9	712.1	662.0	623.8	600.1	594.6	602.8	606.5	615.6	598.3
22.5°	890.6	878.8	840.5	784.1	728.5	683.9	678.4	703.0	725.8	728.5	721.2
25°	1033.6	1022.6	989.0	915.2	840.5	781.3	768.6	823.2	868.7	876.9	887.0
27.5°	1180.2	1174.7	1125.5	1045.4	963.5	888.8	887.0	946.2	1017.2	1036.3	1053.6
30°	1346.8	1359.6	1297.7	1196.6	1093.7	1007.2	1002.6	1090.0	1177.5	1218.4	1247.6
32.5°	1581.8	1570.8	1493.4	1380.5	1227.5	1126.5	1132.8	1234.8	1382.3	1416.9	1455.2
35°	1851.3	1855.0	1749.3	1573.6	1393.3	1268.5	1264.0	1406.0	1577.2	1606.4	1670.1
37.5°	2072.6	2090.8	2012.5	1810.3	1579.0	1417.9	1424.2	1583.6	1763.9	1822.2	1877.7
40°	2310.3	2326.7	2235.6	2038.9	1781.2	1582.7	1591.8	1746.6	1918.7	1966.1	1979.7
42.5°	2569.8	2586.2	2476.0	2242.9	1951.5	1781.2	1745.7	1864.1	2014.3	2073.5	2085.4
45°	2813.0	2841.2	2730.1	2456.0	2141.8	1959.7	1906.0	2001.6	2198.3	2252.9	2265.7
47.5°	2887.6	2921.3	2873.1	2649.0	2323.9	2113.6	2078.1	2211.0	2423.2	2504.2	2487.9
50°	2959.6	2990.5	2961.4	2762.9	2475.1	2292.1	2300.3	2455.1	2695.5	2799.3	2786.5
52.5°	2970.5	3002.4	2972.3	2833.0	2604.4	2472.4	2563.4	2746.5	2985.1	3060.6	3042.4
55°	2988.7	3009.7	2982.3	2824.8	2698.2	2664.5	2836.6	3045.2	3234.6	3324.7	3294.7
57.5°	2735.5	2743.7	2843.0	2801.1	2718.2	2877.6	3144.4	3332.9	3556.0	3690.8	3675.3
60°	2371.3	2388.6	2511.5	2608.1	2704.6	3029.7	3446.8	3731.8	3950.3	4038.7	3954.9
62.5°	2071.7	2090.8	2220.1	2344.0	2588.9	3097.1	3762.7	4088.8	4232.6	4312.8	4213.5
65°	1669.2	1683.8	1841.3	2084.4	2400.4	3070.7	3999.5	4460.3	4605.1	4637.0	4444.8
67.5°	1334.1	1355.9	1516.2	1775.7	2198.3	2970.5	4076.9	4728.0	4811.8	4792.7	4478.5
70°	992.6	1003.5	1199.3	1529.0	1958.8	2751.9	4003.2	4788.1	4775.4	4750.8	4320.1
72.5°	683.9	682.1	866.0	1187.5	1709.3	2502.4	3659.8	4448.5	4388.4	4324.6	3779.1
75°	441.7	466.2	581.0	863.3	1382.3	2141.8	3215.5	3862.9	3760.9	3659.8	3113.5
77.5°	297.8	315.1	408.0	618.3	1056.3	1801.2	2767.4	3317.4	3147.2	3055.2	2513.4
80°	204.9	212.2	283.2	454.4	785.9	1428.8	2266.6	2745.6	2559.8	2450.5	1950.6
82.5°	143.9	149.3	197.6	335.1	591.9	1067.3	1809.4	2283.9	2089.0	2009.8	1515.3
85°	103.8	107.5	142.1	249.5	449.9	801.4	1376.9	1776.7	1607.3	1546.3	1082.7
87.5°	77.4	81.0	107.5	184.9	346.0	609.2	1027.2	1272.2	1090.0	1010.8	683.9
90°	57.4	61.0	82.9	138.4	270.5	459.0	744.0	869.7	707.6	641.1	436.2
92.5°	42.8	45.5	61.9	101.1	206.7	351.5	524.5	550.0	418.9	381.6	275.0
95°	31.9	33.7	46.4	73.8	147.5	255.9	343.3	321.5	246.8	224.0	173.9
97.5°	26.4	27.3	36.4	56.5	103.8	179.4	220.4	197.6	159.4	148.4	120.2
100°	21.9	22.8	29.1	42.8	75.6	122.9	145.7	128.4	111.1	106.5	93.8
102.5°	19.1	20.0	24.6	35.5	56.5	88.3	101.1	92.0	82.0	78.3	72.9
105°	17.3	17.3	21.9	30.1	46.4	66.5	73.8	67.4	61.0	59.2	58.3
107.5°	15.5	15.5	19.1	26.4	38.2	51.9	55.5	50.1	44.6	43.7	46.4
110°	14.6	14.6	17.3	23.7	32.8	42.8	43.7	37.3	33.7	33.7	37.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.7	13.7	16.4	20.9	29.1	35.5	34.6	29.1	26.4	26.4	31.0
115°	13.7	13.7	15.5	20.0	25.5	30.1	28.2	23.7	21.9	21.9	26.4
117.5°	13.7	14.6	15.5	19.1	23.7	26.4	24.6	20.0	19.1	19.1	23.7
120°	14.6	14.6	15.5	19.1	21.9	22.8	20.9	17.3	16.4	17.3	21.9
122.5°	14.6	14.6	16.4	19.1	20.9	20.9	18.2	15.5	15.5	15.5	20.0
125°	15.5	15.5	16.4	19.1	20.0	19.1	16.4	14.6	14.6	15.5	18.2
127.5°	16.4	16.4	17.3	19.1	19.1	17.3	15.5	13.7	13.7	14.6	18.2
130°	18.2	18.2	18.2	19.1	17.3	15.5	13.7	12.7	13.7	14.6	18.2
132.5°	18.2	18.2	18.2	18.2	16.4	13.7	12.7	11.8	13.7	14.6	17.3
135°	16.4	16.4	16.4	16.4	14.6	11.8	10.9	10.9	12.7	13.7	16.4
137.5°	14.6	14.6	14.6	13.7	12.7	10.9	9.1	9.1	10.9	11.8	14.6
140°	12.7	12.7	11.8	11.8	10.9	9.1	8.2	8.2	9.1	10.0	11.8
142.5°	10.0	10.0	10.0	10.0	9.1	7.3	6.4	6.4	8.2	9.1	10.0
145°	8.2	8.2	8.2	8.2	7.3	6.4	5.5	5.5	6.4	7.3	8.2
147.5°	6.4	6.4	7.3	7.3	6.4	5.5	3.6	4.6	5.5	5.5	6.4
150°	5.5	5.5	5.5	6.4	4.6	3.6	2.7	3.6	4.6	4.6	5.5
152.5°	4.6	4.6	4.6	4.6	3.6	1.8	2.7	3.6	3.6	4.6	4.6
155°	2.7	2.7	3.6	3.6	2.7	1.8	2.7	2.7	3.6	3.6	4.6
157.5°	1.8	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	3.6
160°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1	233.1
2.5°	234.0	232.2	228.6	224.9	221.3	217.6	216.7	214.9	214.0	213.1	214.0
5°	243.1	237.7	229.5	221.3	214.0	207.6	203.1	198.5	194.9	193.1	193.1
7.5°	259.5	250.4	236.8	223.1	210.4	199.4	192.1	185.8	181.2	179.4	178.5
10°	285.0	274.1	254.1	232.2	213.1	196.7	185.8	178.5	173.9	171.2	171.2
12.5°	329.7	316.9	285.0	251.3	220.4	197.6	183.0	175.8	171.2	170.3	171.2
15°	399.8	379.7	333.3	285.0	237.7	199.4	181.2	178.5	180.3	181.2	181.2
17.5°	481.7	454.4	395.2	322.4	256.8	207.6	188.5	186.7	189.4	192.1	194.0
20°	573.7	538.2	452.6	357.9	269.5	219.5	195.8	192.1	198.5	204.0	203.1
22.5°	690.3	647.5	525.4	385.2	278.7	222.2	198.5	194.9	205.8	212.2	214.0
25°	843.2	782.2	611.0	414.3	284.1	218.6	196.7	197.6	214.0	226.7	229.5
27.5°	1009.9	921.6	690.3	438.0	284.1	209.4	194.0	204.9	227.7	244.1	245.9
30°	1192.0	1069.1	759.5	456.2	275.9	200.3	191.2	208.5	231.3	248.6	250.4
32.5°	1386.0	1222.1	831.4	462.6	264.1	193.1	188.5	205.8	224.9	240.4	244.1
35°	1558.1	1358.7	859.6	453.5	247.7	187.6	182.1	196.7	215.8	234.9	235.9
37.5°	1737.5	1488.9	872.4	428.0	231.3	182.1	176.7	190.3	213.1	235.9	238.6
40°	1814.0	1522.6	836.0	392.5	215.8	178.5	173.9	189.4	214.0	236.8	240.4
42.5°	1892.3	1555.4	791.3	341.5	205.8	177.6	176.7	189.4	209.4	227.7	230.4
45°	2026.2	1628.2	771.3	306.9	200.3	180.3	179.4	186.7	201.3	217.6	223.1
47.5°	2217.4	1738.4	761.3	285.0	200.3	184.9	182.1	183.9	193.1	207.6	212.2
50°	2462.4	1891.4	774.0	273.2	204.9	191.2	185.8	183.0	186.7	202.2	207.6
52.5°	2668.2	2038.0	789.5	271.4	212.2	199.4	191.2	183.0	185.8	204.0	210.4
55°	2884.0	2177.3	806.8	275.9	221.3	205.8	194.9	184.9	186.7	204.0	211.3
57.5°	3197.2	2414.1	851.4	285.9	230.4	213.1	199.4	187.6	185.8	199.4	204.9
60°	3483.2	2639.9	917.9	305.1	241.3	220.4	204.0	189.4	184.9	194.0	197.6
62.5°	3656.2	2762.0	943.4	323.3	252.2	226.7	205.8	189.4	187.6	195.8	198.5
65°	3834.7	2878.5	953.4	337.8	258.6	230.4	205.8	191.2	191.2	196.7	197.6
67.5°	3828.3	2853.0	929.8	345.1	264.1	232.2	205.8	191.2	193.1	198.5	199.4
70°	3660.8	2706.4	870.6	344.2	263.2	229.5	202.2	190.3	197.6	204.0	204.9
72.5°	3169.0	2326.7	775.0	333.3	255.0	222.2	196.7	188.5	199.4	208.5	208.5
75°	2599.9	1895.0	640.2	312.3	245.0	213.1	188.5	182.1	195.8	208.5	208.5
77.5°	2048.0	1483.4	519.1	285.0	230.4	202.2	178.5	171.2	186.7	198.5	197.6
80°	1590.9	1124.6	417.1	257.7	214.0	190.3	166.6	158.5	172.1	180.3	178.5
82.5°	1220.3	866.0	344.2	232.2	197.6	176.7	154.8	147.5	160.3	165.7	163.9
85°	833.2	620.1	282.3	204.0	176.7	160.3	143.0	137.5	152.1	158.5	156.6
87.5°	550.0	426.2	235.9	179.4	155.7	143.9	129.3	127.5	143.9	150.3	149.3
90°	363.3	297.8	200.3	155.7	135.7	125.7	116.6	116.6	131.1	136.6	133.0
92.5°	239.5	211.3	158.5	132.0	115.7	109.3	103.8	102.9	115.7	117.5	114.7
95°	163.0	148.4	123.8	109.3	97.4	93.8	89.2	91.1	99.3	97.4	94.7
97.5°	116.6	112.9	100.2	89.2	81.0	80.1	78.3	79.2	83.8	80.1	78.3
100°	92.9	90.2	82.9	74.7	69.2	68.3	67.4	68.3	71.0	67.4	65.6
102.5°	74.7	74.7	69.2	62.8	58.3	59.2	59.2	59.2	60.1	54.6	54.6
105°	60.1	60.1	58.3	52.8	50.1	50.1	51.0	51.0	51.0	47.4	47.4
107.5°	48.3	50.1	49.2	44.6	42.8	43.7	43.7	42.8	42.8	41.0	41.0
110°	39.2	41.0	41.0	38.2	37.3	38.2	37.3	36.4	35.5	35.5	35.5



REPORT NUMBER: P416691

CATALOG NUMBER: LXF.LXT-PA1-80-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.8	34.6	35.5	33.7	32.8	32.8	31.9	31.0	31.0	31.9	31.9
115°	28.2	30.1	31.0	29.1	29.1	29.1	27.3	26.4	26.4	28.2	28.2
117.5°	25.5	26.4	27.3	26.4	25.5	25.5	24.6	22.8	22.8	24.6	25.5
120°	22.8	23.7	24.6	23.7	22.8	21.9	20.9	20.0	20.0	22.8	22.8
122.5°	20.9	21.9	21.9	20.9	20.0	20.0	19.1	18.2	18.2	20.0	20.9
125°	20.0	20.0	20.0	19.1	18.2	17.3	16.4	16.4	16.4	18.2	18.2
127.5°	19.1	19.1	18.2	17.3	16.4	15.5	15.5	14.6	14.6	16.4	17.3
130°	19.1	19.1	17.3	16.4	15.5	13.7	13.7	12.7	13.7	15.5	15.5
132.5°	18.2	18.2	16.4	15.5	13.7	12.7	11.8	11.8	11.8	13.7	14.6
135°	17.3	16.4	14.6	13.7	11.8	10.9	10.9	10.9	10.9	12.7	12.7
137.5°	15.5	14.6	12.7	11.8	10.9	10.0	9.1	9.1	10.0	10.9	11.8
140°	12.7	12.7	10.9	10.0	9.1	8.2	8.2	8.2	9.1	10.0	10.0
142.5°	10.9	10.9	9.1	8.2	7.3	6.4	7.3	7.3	8.2	9.1	9.1
145°	9.1	8.2	8.2	6.4	6.4	5.5	5.5	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	6.4	5.5	4.6	4.6	4.6	5.5	6.4	6.4	7.3
150°	6.4	6.4	5.5	5.5	3.6	2.7	3.6	5.5	5.5	5.5	5.5
152.5°	5.5	5.5	5.5	4.6	3.6	1.8	2.7	4.6	4.6	4.6	4.6
155°	4.6	4.6	4.6	3.6	2.7	0.9	2.7	3.6	3.6	3.6	3.6
157.5°	3.6	3.6	3.6	3.6	1.8	0.9	1.8	2.7	2.7	2.7	3.6
160°	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7	2.7
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	1.8	1.8	1.8
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)