

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: P413733

Luminaire Tested: **LXF.LXT-PA1-100-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7766 lumens
Efficiency: N/A
Efficacy: 80.9 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): 96
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

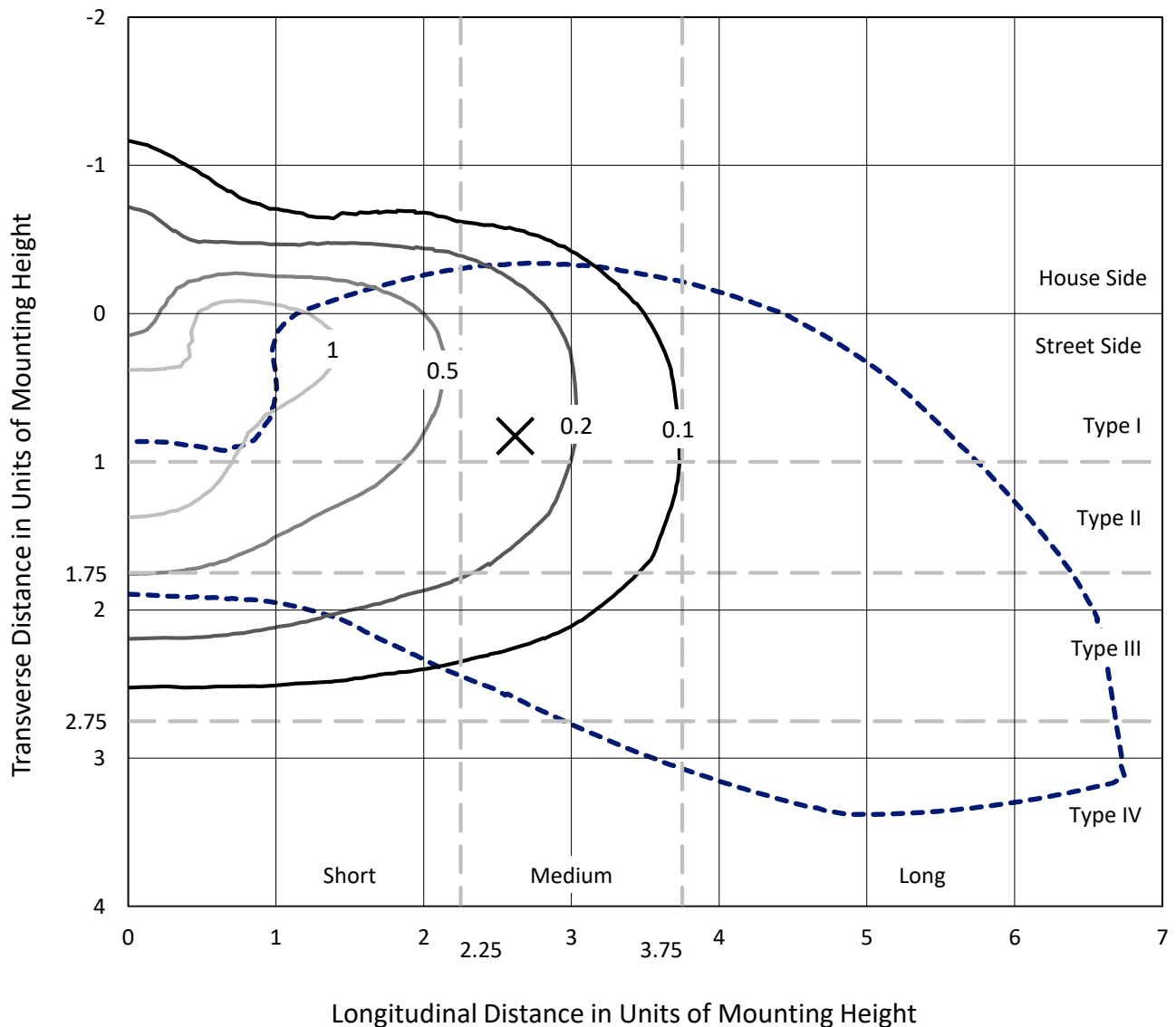


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

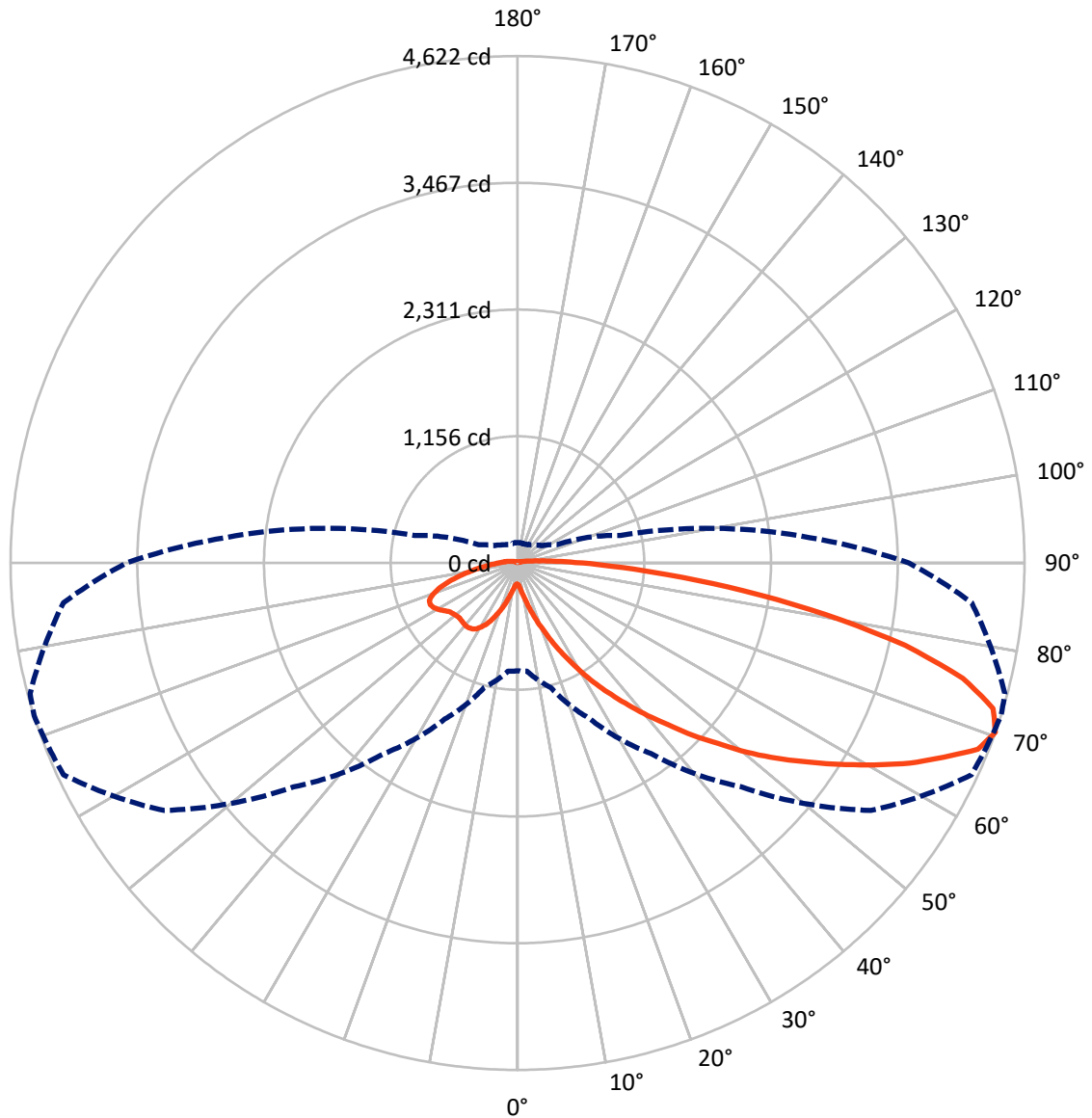


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1396.1	126.6	1522.7
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	6097.0	146.2	6243.3
	% Fixture	78.5	1.9	80.4
Total	Lumens	7493.1	272.9	7766.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	105.1	1.4
20°-30°	293.4	3.8
30°-40°	608.2	7.8
40°-50°	1050.6	13.5
50°-60°	1551.5	20.0
60°-70°	1831.3	23.6
70°-80°	1453.3	18.7
80°-90°	577.8	7.4
90°-100°	152.7	2.0
100°-110°	58.9	0.8
110°-120°	28.7	0.4
120°-130°	16.3	0.2
130°-140°	9.6	0.1
140°-150°	4.5	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7493.1	96.5
0°-180°	7766.0	100.0

Coefficient of Utilization



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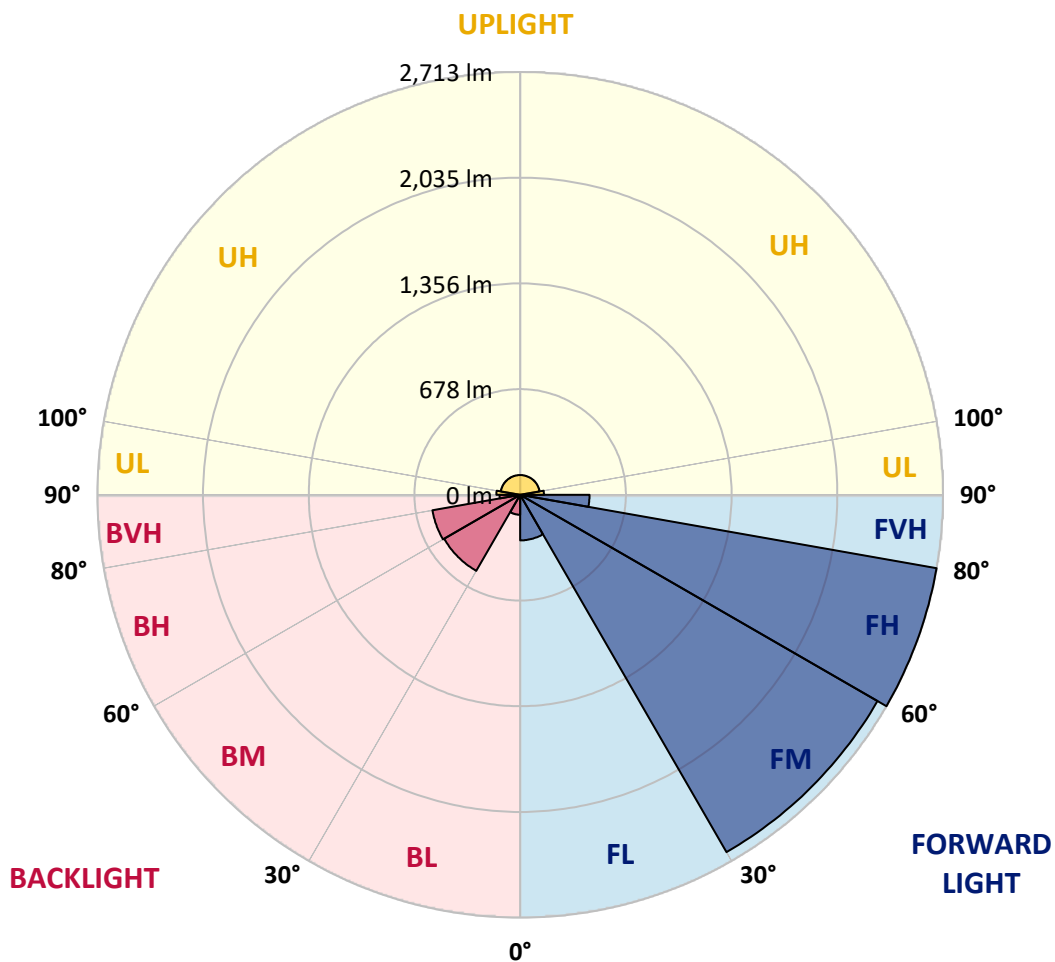
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.3	3.8			
FM (30°-60°)	2647.0	34.1			
FH (60°-80°)	2712.8	34.9			G2/5000
FVH (80°-90°)	444.9	5.7			G3/500
BL (0°-30°)	128.1	1.6	B1/500		
BM (30°-60°)	563.3	7.3	B1/1000		
BH (60°-80°)	571.8	7.4	B2/1000		G2/1000
BVH (80°-90°)	132.9	1.7			G2/225
UL (90°-100°)	152.7	2.0		U3/500	
UH (100°-180°)	126.6	1.6		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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	218.2	219.2	218.2	218.2	216.4	215.5	210.0	206.4	203.6	201.8	199.1
5°	252.9	254.8	253.9	253.9	249.3	246.5	240.2	232.8	227.4	226.5	218.2
7.5°	299.5	298.6	294.9	294.0	292.2	287.6	278.5	267.5	262.1	260.2	248.4
10°	357.0	352.5	354.3	347.9	344.3	336.9	328.7	320.5	309.6	309.6	293.1
12.5°	414.6	424.6	421.9	412.7	405.4	393.6	383.5	380.8	368.0	369.8	354.3
15°	508.6	507.7	499.5	493.1	478.5	463.9	454.7	448.3	444.7	442.0	424.6
17.5°	608.1	602.7	596.3	577.1	556.1	543.3	535.1	528.7	533.3	532.4	511.4
20°	723.2	716.8	707.7	673.0	645.6	625.5	620.9	628.2	631.0	638.3	617.3
22.5°	851.0	848.3	826.4	787.1	740.5	714.1	709.5	726.9	747.9	751.5	736.9
25°	1004.4	1000.8	970.7	914.0	852.9	812.7	812.7	840.1	874.8	883.0	875.7
27.5°	1168.8	1159.7	1120.4	1051.0	967.0	915.0	908.6	957.9	1006.3	1030.0	1020.9
30°	1357.8	1356.0	1291.2	1206.2	1105.8	1022.7	1020.0	1092.1	1160.6	1171.5	1173.4
32.5°	1552.3	1567.8	1493.0	1366.0	1244.6	1146.9	1142.3	1223.6	1318.6	1337.7	1337.7
35°	1777.0	1777.9	1685.6	1559.6	1393.4	1282.0	1269.3	1366.0	1472.0	1498.4	1513.1
37.5°	2003.4	1997.9	1914.8	1741.3	1555.1	1420.8	1409.0	1523.1	1643.6	1686.6	1683.8
40°	2226.2	2241.7	2136.7	1945.0	1720.3	1584.3	1555.1	1689.3	1828.1	1876.5	1857.3
42.5°	2466.4	2462.7	2368.7	2155.0	1904.8	1742.3	1724.9	1863.7	2018.0	2072.8	2055.5
45°	2676.4	2674.6	2572.3	2358.6	2081.0	1924.9	1901.1	2048.2	2241.7	2292.9	2257.3
47.5°	2870.0	2865.4	2759.5	2542.2	2235.3	2099.3	2101.1	2251.8	2457.2	2541.2	2486.5
50°	3019.7	3004.2	2937.5	2702.9	2402.4	2282.8	2317.5	2494.7	2713.8	2789.6	2730.3
52.5°	3100.1	3076.3	3024.3	2815.2	2560.4	2464.5	2531.2	2741.2	2957.6	3029.8	2964.9
55°	3061.7	3061.7	3032.5	2883.7	2672.7	2630.7	2765.0	2976.8	3202.4	3281.8	3224.3
57.5°	2907.4	2931.2	2944.8	2865.4	2750.4	2795.1	3007.9	3245.3	3461.7	3549.3	3473.6
60°	2637.1	2643.5	2744.0	2766.8	2781.4	2934.8	3259.9	3542.9	3737.4	3806.8	3721.0
62.5°	2254.5	2284.7	2407.0	2575.9	2735.7	3050.8	3524.7	3842.5	4017.8	4064.3	3939.2
65°	1829.0	1821.7	2048.2	2301.1	2609.7	3084.6	3738.4	4132.8	4268.9	4331.0	4113.7
67.5°	1387.0	1382.5	1591.6	1962.3	2396.1	3048.9	3911.9	4379.4	4529.1	4531.0	4223.2
70°	983.4	990.7	1176.1	1569.7	2120.3	2886.4	3932.9	4567.5	4622.3	4600.4	4156.6
72.5°	667.5	673.0	849.2	1202.6	1755.0	2623.4	3757.5	4547.4	4534.6	4473.4	3882.6
75°	430.1	466.6	597.2	914.0	1420.8	2244.5	3416.9	4259.8	4193.1	4091.7	3406.9
77.5°	296.8	315.0	415.5	665.7	1110.4	1853.7	2933.9	3681.7	3612.3	3488.2	2746.7
80°	200.9	209.1	285.8	497.7	873.9	1457.4	2390.6	2964.0	2844.4	2716.6	2060.0
82.5°	134.2	149.8	205.5	357.0	661.1	1125.0	1818.0	2263.7	2073.7	1963.2	1447.3
85°	89.5	97.7	146.1	259.3	478.5	819.1	1308.5	1537.7	1370.6	1272.9	925.0
87.5°	60.3	67.6	104.1	185.4	354.3	595.4	876.6	993.5	859.3	798.1	559.7
90°	40.2	44.7	76.7	133.3	250.2	415.5	591.7	613.6	526.9	489.4	342.4
92.5°	28.3	32.9	57.5	98.6	175.3	288.5	379.9	371.6	310.5	292.2	221.0
95°	21.9	25.6	44.7	75.8	127.8	198.1	247.5	226.5	196.3	189.9	152.5
97.5°	19.2	21.0	37.4	61.2	96.8	140.6	160.7	153.4	132.4	128.8	111.4
100°	17.3	19.2	32.9	53.0	77.6	103.2	115.1	106.8	95.9	93.1	82.2
102.5°	16.4	17.3	29.2	45.7	63.9	81.3	88.6	79.4	71.2	70.3	63.0
105°	15.5	16.4	25.6	39.3	53.9	66.7	69.4	62.1	55.7	53.0	47.5
107.5°	14.6	14.6	22.8	34.7	46.6	55.7	57.5	50.2	42.9	41.1	37.4
110°	13.7	14.6	21.0	31.0	41.1	48.4	48.4	41.1	33.8	32.0	30.1



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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	19.2	27.4	36.5	42.0	41.1	33.8	27.4	24.7	24.7
115°	12.8	13.7	18.3	25.6	32.9	36.5	34.7	28.3	21.9	20.1	21.0
117.5°	12.8	13.7	16.4	22.8	29.2	32.0	30.1	23.7	18.3	17.3	19.2
120°	12.8	13.7	16.4	21.0	25.6	28.3	26.5	20.1	16.4	15.5	17.3
122.5°	13.7	13.7	15.5	19.2	23.7	25.6	22.8	17.3	14.6	13.7	15.5
125°	13.7	13.7	15.5	18.3	21.9	22.8	20.1	15.5	12.8	12.8	14.6
127.5°	13.7	13.7	15.5	17.3	20.1	20.1	18.3	13.7	11.9	11.9	13.7
130°	13.7	13.7	14.6	16.4	18.3	18.3	15.5	11.9	11.0	11.0	12.8
132.5°	14.6	14.6	14.6	15.5	16.4	16.4	13.7	11.0	10.0	10.0	12.8
135°	13.7	13.7	13.7	14.6	14.6	14.6	11.9	10.0	9.1	10.0	11.9
137.5°	12.8	12.8	13.7	13.7	13.7	12.8	10.0	8.2	8.2	9.1	11.0
140°	12.8	11.9	12.8	12.8	11.9	11.0	9.1	7.3	7.3	8.2	9.1
142.5°	11.0	11.0	11.0	11.0	10.0	9.1	7.3	6.4	7.3	7.3	8.2
145°	10.0	10.0	10.0	9.1	9.1	7.3	5.5	5.5	5.5	6.4	7.3
147.5°	8.2	8.2	8.2	8.2	7.3	6.4	3.7	4.6	4.6	4.6	5.5
150°	6.4	6.4	7.3	6.4	5.5	4.6	2.7	3.7	4.6	4.6	4.6
152.5°	5.5	5.5	5.5	5.5	4.6	2.7	2.7	3.7	3.7	3.7	4.6
155°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7	3.7
157.5°	1.8	1.8	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	1.8	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°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5
2.5°	197.2	195.4	191.8	188.1	185.4	182.6	180.8	178.1	176.2	176.2	176.2
5°	212.8	210.9	201.8	192.7	184.5	177.1	171.7	165.3	162.5	159.8	160.7
7.5°	243.8	237.4	222.8	207.3	193.6	179.0	168.0	158.9	153.4	149.8	149.8
10°	285.8	275.8	253.9	230.1	207.3	186.3	169.8	157.1	147.9	144.3	144.3
12.5°	339.7	329.6	295.9	260.2	225.5	195.4	174.4	158.0	147.9	143.4	143.4
15°	411.8	394.5	348.8	297.7	247.5	206.4	179.0	165.3	158.9	156.1	156.1
17.5°	497.7	472.1	412.7	336.0	269.4	217.3	190.8	178.1	172.6	171.7	171.7
20°	598.1	566.1	476.7	374.4	286.7	231.0	200.9	189.9	188.1	189.0	189.0
22.5°	712.2	665.7	542.4	409.1	303.2	239.2	208.2	199.1	200.9	205.5	204.5
25°	832.8	783.5	614.5	440.1	314.1	242.9	212.8	207.3	214.6	220.1	220.1
27.5°	973.4	896.7	680.3	462.0	316.9	240.2	213.7	210.9	221.0	229.2	231.0
30°	1116.8	1018.1	736.9	475.7	311.4	233.8	210.0	211.8	223.7	234.7	235.6
32.5°	1261.9	1133.2	783.5	478.5	302.2	225.5	206.4	210.0	222.8	234.7	236.5
35°	1406.2	1240.9	814.5	468.4	287.6	217.3	200.0	206.4	219.2	232.8	234.7
37.5°	1547.8	1343.2	833.7	452.0	273.0	210.0	195.4	201.8	214.6	230.1	231.9
40°	1702.1	1452.8	844.6	432.8	258.4	203.6	192.7	199.1	211.8	226.5	229.2
42.5°	1843.6	1553.2	845.6	409.1	247.5	200.9	190.8	196.3	208.2	223.7	226.5
45°	2028.1	1656.4	845.6	389.0	240.2	200.0	190.8	195.4	206.4	222.8	226.5
47.5°	2202.5	1775.1	847.4	371.6	236.5	201.8	192.7	194.5	203.6	222.8	226.5
50°	2405.2	1889.3	862.0	358.9	235.6	205.5	195.4	193.6	200.9	221.0	225.5
52.5°	2607.0	2039.9	880.3	349.7	237.4	209.1	197.2	193.6	198.1	216.4	221.9
55°	2828.0	2183.3	900.3	350.6	241.1	212.8	200.0	192.7	194.5	209.1	214.6
57.5°	3048.9	2351.3	944.2	356.1	245.6	217.3	202.7	192.7	189.9	200.9	205.5
60°	3242.5	2499.2	989.8	368.0	252.0	221.9	204.5	191.8	186.3	192.7	196.3
62.5°	3447.1	2660.9	1026.4	378.0	259.3	225.5	204.5	190.8	183.5	188.1	189.9
65°	3580.4	2756.7	1045.5	390.8	266.6	228.3	205.5	189.0	182.6	185.4	187.2
67.5°	3648.9	2772.3	1032.8	395.4	273.0	230.1	204.5	187.2	183.5	185.4	187.2
70°	3567.6	2669.1	971.6	392.6	274.9	230.1	202.7	185.4	183.5	186.3	187.2
72.5°	3273.6	2420.7	881.2	378.9	272.1	226.5	200.0	182.6	182.6	187.2	187.2
75°	2818.8	2063.7	762.5	357.9	264.8	221.0	194.5	178.1	179.9	186.3	186.3
77.5°	2257.3	1632.7	628.2	327.8	251.1	211.8	187.2	171.7	176.2	183.5	182.6
80°	1680.2	1216.3	505.9	294.0	232.8	199.1	177.1	164.4	170.8	177.1	175.3
82.5°	1119.5	853.8	400.0	258.4	213.7	186.3	166.2	154.3	162.5	168.9	166.2
85°	726.9	568.9	309.6	222.8	193.6	171.7	152.5	143.4	151.6	157.1	154.3
87.5°	452.9	381.7	235.6	189.9	172.6	155.2	140.6	130.6	138.8	144.3	140.6
90°	299.5	255.7	185.4	164.4	153.4	139.7	126.0	118.7	126.9	128.8	126.0
92.5°	197.2	180.8	150.7	140.6	135.1	124.2	114.1	107.7	114.1	115.1	113.2
95°	141.5	137.0	124.2	122.4	119.6	110.5	102.3	96.8	100.4	101.4	97.7
97.5°	107.7	106.8	105.9	105.9	104.1	97.7	90.4	85.8	87.7	86.7	84.0
100°	84.0	85.8	88.6	90.4	89.5	84.9	79.4	75.8	76.7	73.1	70.3
102.5°	65.7	69.4	74.0	76.7	76.7	73.1	70.3	66.7	63.9	59.4	58.4
105°	52.0	54.8	61.2	65.7	65.7	63.9	61.2	56.6	53.9	48.4	48.4
107.5°	41.1	44.7	52.0	55.7	56.6	54.8	53.0	49.3	44.7	39.3	39.3
110°	32.9	35.6	43.8	47.5	48.4	47.5	45.7	41.1	36.5	32.9	32.9



REPORT NUMBER: P413733

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.4	30.1	36.5	40.2	42.0	41.1	39.3	34.7	30.1	27.4	27.4
115°	23.7	26.5	31.0	34.7	35.6	35.6	32.9	30.1	24.7	23.7	23.7
117.5°	21.0	22.8	27.4	30.1	32.0	31.0	28.3	25.6	21.9	21.0	21.0
120°	19.2	21.0	24.7	27.4	27.4	26.5	24.7	21.9	19.2	18.3	19.2
122.5°	17.3	19.2	21.9	23.7	23.7	23.7	21.9	19.2	16.4	16.4	17.3
125°	16.4	17.3	20.1	21.0	21.9	21.0	19.2	16.4	14.6	15.5	15.5
127.5°	15.5	16.4	18.3	19.2	19.2	18.3	16.4	14.6	12.8	13.7	14.6
130°	14.6	15.5	16.4	17.3	17.3	16.4	14.6	12.8	11.9	12.8	12.8
132.5°	12.8	13.7	14.6	15.5	14.6	14.6	12.8	11.0	11.0	11.9	11.9
135°	11.9	12.8	12.8	13.7	12.8	12.8	11.0	10.0	10.0	11.0	11.0
137.5°	11.0	11.9	11.9	11.9	11.0	11.0	10.0	9.1	9.1	9.1	10.0
140°	10.0	10.0	10.0	10.0	9.1	9.1	8.2	7.3	8.2	8.2	8.2
142.5°	9.1	9.1	9.1	8.2	8.2	7.3	6.4	6.4	7.3	7.3	7.3
145°	7.3	7.3	7.3	6.4	6.4	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	6.4	6.4	6.4	5.5	4.6	4.6	4.6	4.6	5.5	5.5	5.5
150°	5.5	5.5	5.5	4.6	3.7	3.7	2.7	3.7	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	4.6	3.7	2.7	0.9	1.8	2.7	2.7	2.7	2.7
157.5°	3.7	3.7	3.7	2.7	1.8	0.9	1.8	1.8	2.7	1.8	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	0.9	0.9	0.9
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	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)