

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: P416666

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7276 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

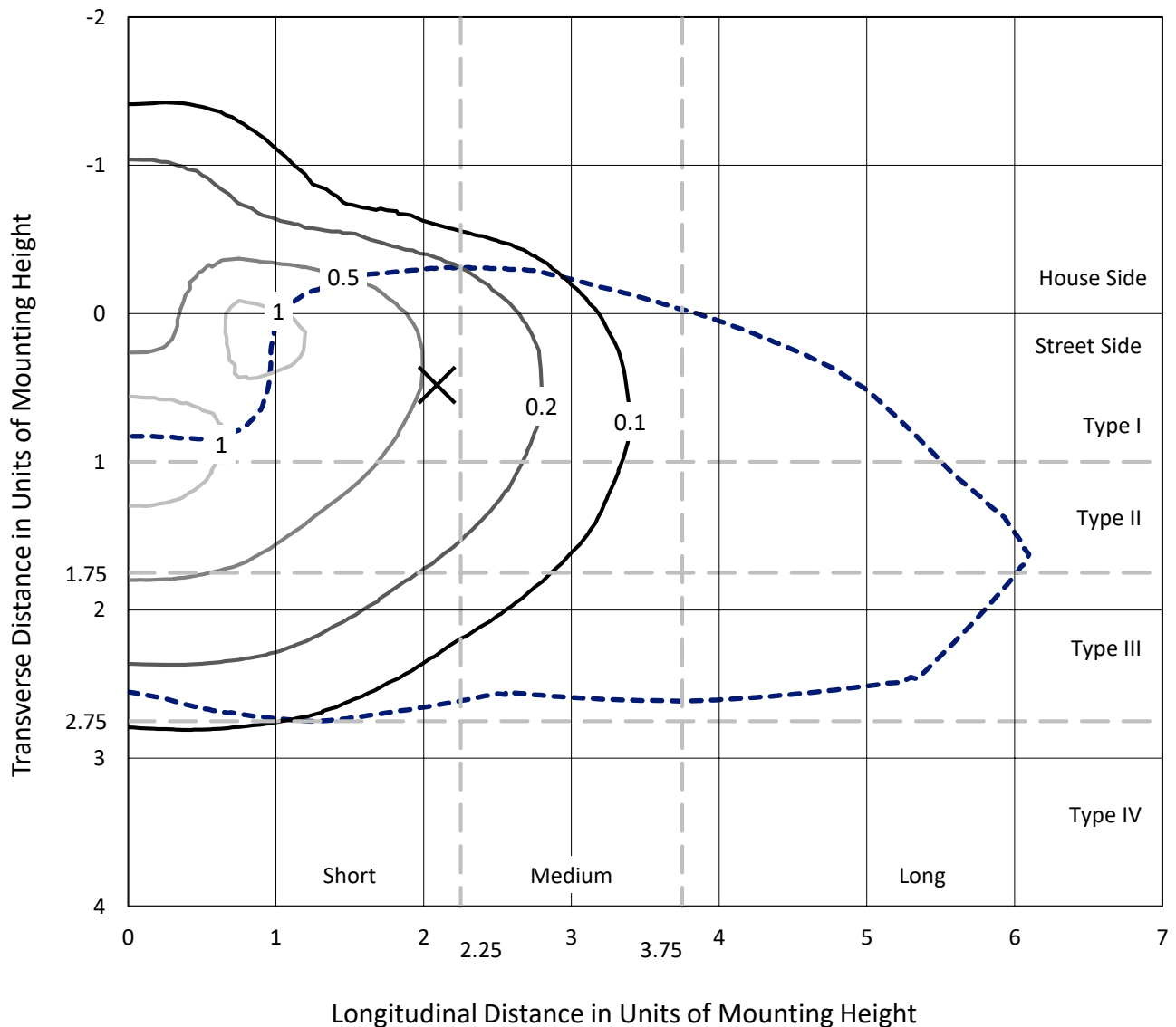
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416666
 CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

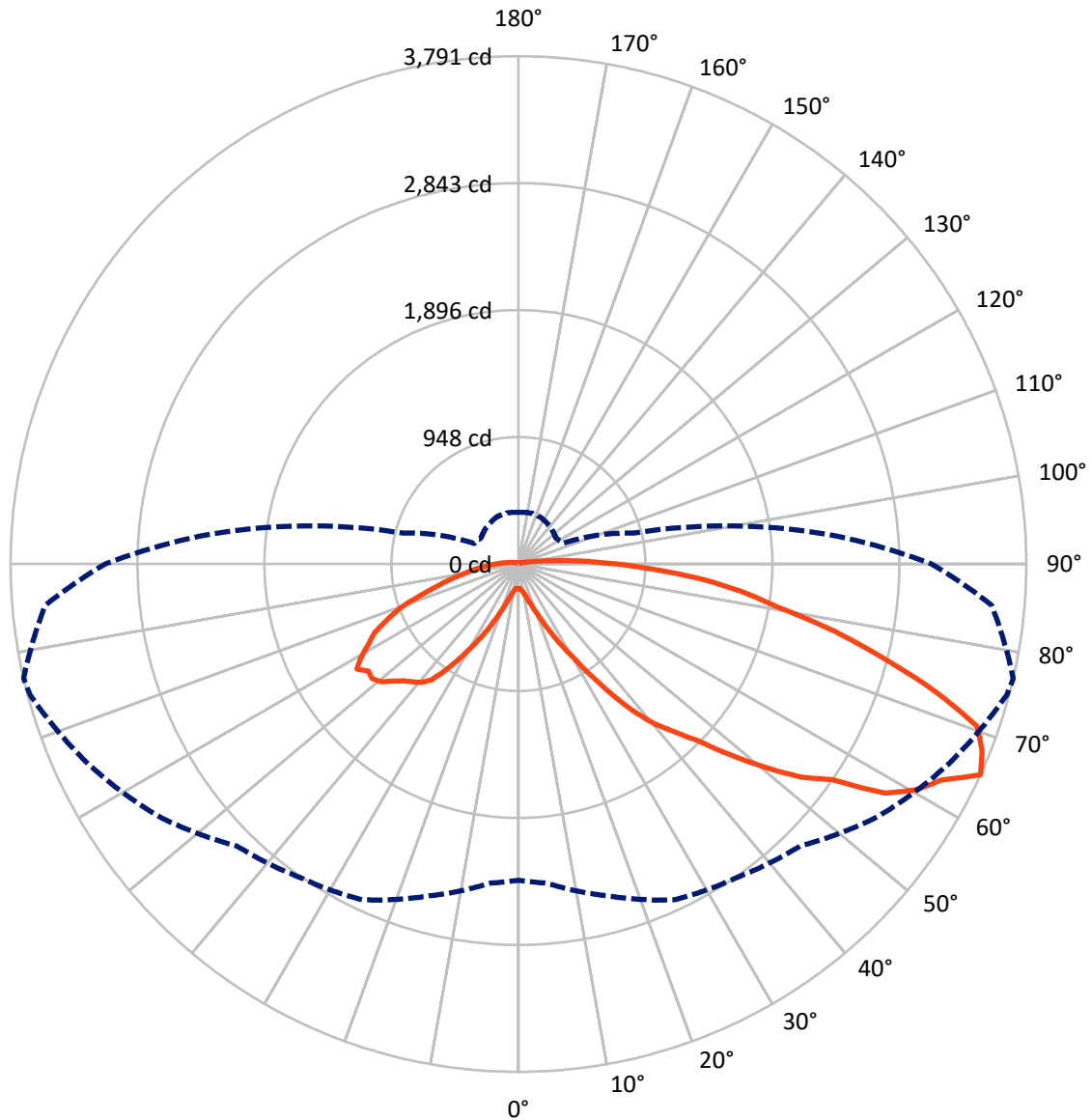


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416666

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416666

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1603.3	114.0	1717.3
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5416.1	142.5	5558.7
	% Fixture	74.4	2.0	76.4
Total	Lumens	7019.4	256.6	7276.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.3
10°-20°	79.7	1.1
20°-30°	233.5	3.2
30°-40°	559.0	7.7
40°-50°	1006.7	13.8
50°-60°	1531.2	21.0
60°-70°	1806.2	24.8
70°-80°	1244.7	17.1
80°-90°	539.7	7.4
90°-100°	157.5	2.2
100°-110°	49.3	0.7
110°-120°	23.0	0.3
120°-130°	13.6	0.2
130°-140°	8.3	0.1
140°-150°	3.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7019.4	96.5
0°-180°	7276.0	100.0



REPORT NUMBER: P416666

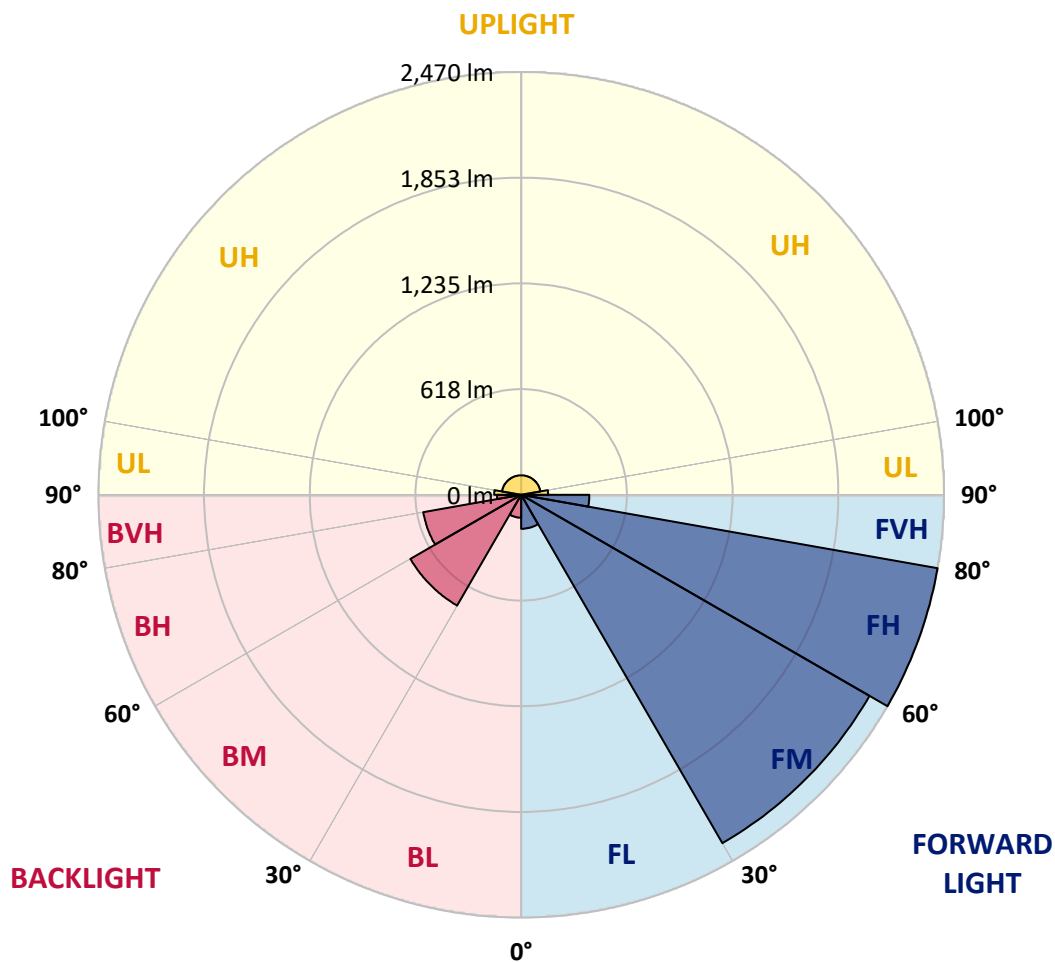
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.3	2.7			
FM (30°-60°)	2349.6	32.3			
FH (60°-80°)	2470.0	33.9			G2/5000
FVH (80°-90°)	398.2	5.5			G3/500
BL (0°-30°)	133.7	1.8	B1/500		
BM (30°-60°)	747.2	10.3	B1/1000		
BH (60°-80°)	580.9	8.0	B2/1000		G2/1000
BVH (80°-90°)	141.5	1.9			G2/225
UL (90°-100°)	157.5	2.2		U3/500	
UH (100°-180°)	114.0	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P416666

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2
2.5°	196.5	195.7	195.7	196.5	194.9	193.2	190.7	188.2	185.7	185.7	184.0
5°	212.4	211.6	211.6	211.6	208.3	205.7	199.9	196.5	193.2	191.5	189.0
7.5°	233.3	230.8	231.7	230.8	225.8	220.8	214.9	208.3	204.1	203.2	198.2
10°	260.9	259.3	257.6	254.3	249.2	240.9	232.5	226.7	220.8	220.0	214.1
12.5°	300.3	298.6	295.2	287.7	276.8	266.8	258.4	251.7	248.4	246.7	240.9
15°	347.9	342.9	341.2	329.5	314.5	302.8	293.6	289.4	286.0	286.0	278.5
17.5°	404.0	404.0	395.6	379.7	360.5	346.3	337.1	329.5	332.0	331.2	327.0
20°	473.4	471.7	459.2	438.2	414.8	401.4	389.7	385.6	388.9	392.2	392.2
22.5°	573.7	569.6	550.3	518.5	484.2	462.5	454.1	453.3	466.7	470.9	475.9
25°	686.6	680.8	656.5	618.1	575.4	542.0	530.2	539.4	563.7	572.9	582.9
27.5°	823.0	819.6	782.8	730.1	679.1	635.6	622.2	650.7	683.3	686.6	706.7
30°	998.6	1000.3	950.1	874.0	787.0	741.8	726.8	761.1	809.6	812.9	853.1
32.5°	1201.8	1201.8	1126.6	1034.6	922.5	858.9	844.7	899.9	976.0	987.7	1026.2
35°	1461.1	1446.1	1349.9	1217.7	1077.2	982.7	981.0	1067.2	1171.7	1183.4	1225.3
37.5°	1693.6	1702.8	1605.0	1432.7	1242.8	1134.1	1148.3	1257.9	1390.0	1393.4	1438.5
40°	1945.4	1955.4	1840.0	1660.2	1426.8	1304.7	1333.1	1435.2	1566.5	1569.0	1584.9
42.5°	2142.7	2168.7	2060.8	1873.4	1637.6	1498.7	1505.4	1600.8	1702.0	1714.5	1725.4
45°	2260.7	2279.9	2220.5	2070.8	1823.3	1692.8	1676.9	1754.7	1886.8	1883.5	1899.4
47.5°	2446.3	2468.9	2377.8	2241.4	2032.3	1870.9	1850.9	1952.0	2114.3	2131.0	2116.0
50°	2638.7	2668.8	2602.7	2443.8	2228.0	2070.8	2073.3	2188.7	2377.8	2383.6	2392.8
52.5°	2773.3	2795.1	2769.2	2658.8	2429.6	2286.6	2309.2	2447.2	2632.8	2643.7	2606.9
55°	2794.3	2827.7	2848.6	2823.5	2650.4	2509.1	2566.8	2704.8	2830.2	2839.4	2811.0
57.5°	2787.6	2815.2	2859.5	2878.7	2791.7	2738.2	2812.7	2954.0	3195.7	3226.7	3212.4
60°	2780.0	2800.1	2892.1	2920.5	2871.2	2913.9	3032.6	3284.4	3417.3	3419.9	3290.2
62.5°	2571.0	2604.4	2777.5	2920.5	2907.2	2988.3	3248.4	3423.2	3528.6	3547.8	3424.0
65°	2361.0	2390.3	2564.3	2765.0	2853.6	2975.7	3281.9	3539.4	3773.6	3791.2	3546.1
67.5°	2057.4	2103.4	2293.3	2535.0	2643.7	2838.6	3194.0	3580.4	3726.0	3733.5	3453.3
70°	1676.1	1738.8	1952.9	2208.0	2338.4	2535.8	2997.5	3434.1	3637.3	3633.1	3299.4
72.5°	1207.7	1263.7	1459.4	1762.2	1966.3	2182.0	2637.9	3143.0	3258.4	3254.3	2806.8
75°	820.5	850.6	997.8	1274.6	1568.2	1821.6	2272.4	2726.5	2824.4	2816.8	2404.5
77.5°	537.8	572.1	667.4	904.1	1177.6	1469.5	1907.7	2282.4	2436.3	2408.7	2038.2
80°	329.5	348.8	427.4	610.5	892.4	1185.9	1577.4	1931.1	2010.6	1970.4	1664.3
82.5°	205.7	220.8	276.8	403.1	640.6	915.8	1293.8	1625.9	1714.5	1669.4	1369.1
85°	126.3	133.8	172.3	265.1	434.9	673.3	1040.4	1318.9	1373.3	1340.7	1032.1
87.5°	92.0	93.7	117.9	179.0	293.6	481.7	766.1	993.6	1032.9	972.7	723.4
90°	67.7	71.1	87.0	126.3	204.1	327.0	527.7	699.2	709.2	672.4	483.4
92.5°	51.0	52.7	65.2	89.5	140.5	223.3	352.1	468.4	459.2	433.2	300.3
95°	36.8	37.6	46.8	63.6	98.7	149.7	224.1	293.6	264.3	253.4	182.3
97.5°	30.1	30.9	37.6	49.3	72.8	105.4	144.7	174.8	155.6	148.9	117.1
100°	25.9	25.9	31.8	41.0	56.9	78.6	96.2	109.6	100.4	97.0	82.8
102.5°	23.4	23.4	27.6	34.3	46.8	61.9	71.1	75.3	70.3	67.7	61.1
105°	20.9	20.9	24.3	29.3	39.3	50.2	54.4	55.2	50.2	49.3	46.8
107.5°	19.2	19.2	21.7	25.9	33.5	41.8	43.5	41.0	38.5	36.8	36.8
110°	16.7	17.6	19.2	22.6	29.3	35.1	35.1	31.8	28.4	28.4	29.3



REPORT NUMBER: P416666

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	15.9	15.9	17.6	20.9	25.9	30.1	28.4	25.1	22.6	22.6	24.3
115°	14.2	14.2	15.9	19.2	23.4	25.9	24.3	20.9	18.4	19.2	20.9
117.5°	13.4	13.4	15.1	17.6	20.9	22.6	20.9	17.6	15.9	16.7	19.2
120°	13.4	13.4	15.1	16.7	19.2	20.1	18.4	15.1	14.2	14.2	16.7
122.5°	13.4	13.4	14.2	16.7	18.4	18.4	15.9	13.4	12.5	12.5	15.1
125°	13.4	13.4	15.1	16.7	16.7	16.7	14.2	11.7	10.9	11.7	13.4
127.5°	14.2	14.2	15.1	15.9	15.9	15.1	12.5	10.9	10.0	10.9	12.5
130°	14.2	14.2	15.1	15.9	15.1	13.4	11.7	10.0	10.0	10.0	12.5
132.5°	14.2	14.2	15.1	15.1	14.2	11.7	10.0	8.4	9.2	10.0	11.7
135°	13.4	13.4	13.4	13.4	12.5	10.9	8.4	7.5	8.4	9.2	10.9
137.5°	12.5	12.5	12.5	12.5	10.9	9.2	6.7	5.9	7.5	7.5	9.2
140°	10.9	10.9	11.7	10.9	10.0	7.5	5.9	4.2	5.9	5.9	7.5
142.5°	10.0	10.0	10.0	10.0	8.4	6.7	4.2	4.2	5.0	5.0	5.9
145°	8.4	8.4	9.2	8.4	6.7	5.0	3.3	3.3	4.2	4.2	5.0
147.5°	6.7	7.5	7.5	6.7	5.9	4.2	2.5	2.5	3.3	3.3	4.2
150°	5.9	5.9	5.9	5.9	4.2	2.5	1.7	2.5	3.3	3.3	3.3
152.5°	4.2	4.2	5.0	5.0	3.3	1.7	1.7	2.5	2.5	2.5	3.3
155°	3.3	3.3	4.2	3.3	2.5	0.8	1.7	1.7	2.5	2.5	2.5
157.5°	1.7	1.7	2.5	2.5	1.7	0.8	0.8	1.7	1.7	1.7	2.5
160°	0.8	0.8	2.5	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7
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



REPORT NUMBER: P416666

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2
2.5°	183.2	181.5	180.7	179.0	177.3	175.6	175.6	175.6	174.8	174.0	174.8
5°	186.5	185.7	181.5	178.1	174.8	173.1	171.5	170.6	170.6	168.9	168.9
7.5°	195.7	192.4	186.5	180.7	177.3	174.0	171.5	170.6	169.8	168.1	168.1
10°	209.9	205.7	199.1	189.9	184.0	178.1	175.6	175.6	174.8	174.0	174.0
12.5°	236.7	231.7	220.0	207.4	195.7	187.3	185.7	188.2	193.2	194.0	194.0
15°	276.0	270.1	255.1	235.0	216.6	204.9	206.6	213.3	220.0	222.5	222.5
17.5°	324.5	317.8	296.1	266.8	242.5	231.7	230.8	240.0	249.2	254.3	254.3
20°	389.7	378.9	350.4	308.6	275.2	262.6	257.6	266.0	280.2	286.0	284.4
22.5°	470.9	458.3	418.2	354.6	312.8	290.2	283.5	292.7	310.3	317.8	317.0
25°	577.9	565.4	500.1	412.3	349.6	314.5	310.3	323.7	349.6	364.7	363.0
27.5°	702.5	681.6	594.6	476.7	385.6	334.5	335.4	358.0	384.7	401.4	399.8
30°	835.5	808.8	690.0	538.6	419.0	357.1	355.5	382.2	409.8	427.4	427.4
32.5°	1011.2	971.8	800.4	598.0	444.9	374.7	368.8	398.9	427.4	445.8	444.9
35°	1199.3	1146.6	915.8	660.7	466.7	383.9	377.2	408.1	437.4	459.2	459.2
37.5°	1415.1	1325.6	1023.7	704.2	481.7	388.9	379.7	414.8	450.8	473.4	471.7
40°	1528.9	1428.5	1075.6	723.4	484.2	389.7	383.9	420.7	450.8	459.2	455.0
42.5°	1656.0	1526.3	1097.3	700.0	475.0	388.1	386.4	414.8	428.2	425.7	423.2
45°	1816.6	1641.8	1118.2	670.8	453.3	385.6	382.2	398.9	399.8	389.7	386.4
47.5°	2021.5	1800.7	1152.5	635.6	431.6	379.7	375.5	383.0	368.8	350.4	344.6
50°	2241.4	1984.7	1195.1	605.5	411.5	372.2	368.0	365.5	351.3	332.9	329.5
52.5°	2433.0	2109.3	1206.9	573.7	398.1	367.2	362.1	359.6	346.3	325.3	321.2
55°	2604.4	2215.5	1165.9	526.1	387.2	363.8	362.1	362.1	347.9	326.2	322.0
57.5°	2943.1	2469.8	1180.9	477.6	373.0	363.0	365.5	366.3	352.9	332.0	327.9
60°	2953.2	2421.2	1093.1	443.3	360.5	363.0	368.8	370.5	361.3	347.1	344.6
62.5°	3049.3	2422.9	975.2	398.9	352.1	361.3	371.3	377.2	378.0	369.7	368.0
65°	3084.5	2387.8	889.9	363.8	340.4	357.1	372.2	386.4	391.4	387.2	385.6
67.5°	2949.8	2226.4	773.6	340.4	328.7	350.4	371.3	388.9	399.8	402.3	402.3
70°	2772.5	2044.9	669.9	317.8	316.1	341.2	365.5	388.9	404.0	410.6	410.6
72.5°	2322.6	1679.4	552.8	294.4	299.4	327.0	352.9	381.4	398.1	404.0	401.4
75°	1942.8	1382.5	455.0	274.3	282.7	309.5	335.4	363.0	374.7	378.0	375.5
77.5°	1643.4	1150.0	373.9	255.9	262.6	286.9	310.3	329.5	337.1	335.4	331.2
80°	1324.8	897.4	306.9	233.3	240.0	259.3	276.0	291.1	298.6	294.4	291.9
82.5°	1054.6	713.4	261.8	213.3	215.8	231.7	243.4	255.1	267.6	264.3	257.6
85°	780.3	525.2	222.5	191.5	191.5	203.2	209.1	220.0	237.5	236.7	234.2
87.5°	533.6	373.9	189.0	169.8	168.9	175.6	179.0	190.7	213.3	214.1	211.6
90°	351.3	255.9	158.1	147.2	145.5	150.5	153.1	163.1	181.5	183.2	179.8
92.5°	228.3	177.3	129.6	124.6	123.8	128.0	127.1	133.8	146.4	145.5	143.0
95°	146.4	123.8	105.4	102.9	100.4	105.4	103.7	105.4	112.1	110.4	110.4
97.5°	101.2	94.5	87.0	82.8	81.1	86.1	84.5	84.5	87.8	84.5	82.8
100°	77.8	75.3	71.9	68.6	65.2	69.4	69.4	69.4	71.9	66.9	65.2
102.5°	60.2	59.4	59.4	56.9	54.4	57.7	58.5	59.4	58.5	53.5	52.7
105°	47.7	47.7	49.3	46.8	46.0	48.5	49.3	48.5	48.5	44.3	44.3
107.5°	37.6	39.3	41.0	39.3	39.3	41.0	41.0	41.0	39.3	36.8	37.6
110°	30.9	32.6	35.1	33.5	33.5	35.1	34.3	33.5	32.6	31.8	31.8



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CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.8	27.6	29.3	28.4	29.3	30.1	29.3	27.6	27.6	27.6	28.4
115°	22.6	24.3	25.9	25.1	25.1	25.9	24.3	23.4	23.4	24.3	24.3
117.5°	20.1	21.7	22.6	22.6	21.7	22.6	20.9	20.1	20.9	21.7	21.7
120°	18.4	19.2	20.1	20.1	19.2	19.2	18.4	17.6	18.4	19.2	20.1
122.5°	16.7	17.6	17.6	18.4	17.6	16.7	15.9	15.9	16.7	17.6	17.6
125°	15.1	15.9	15.9	15.9	15.9	15.1	14.2	14.2	15.1	15.9	16.7
127.5°	13.4	14.2	14.2	15.1	14.2	13.4	12.5	13.4	14.2	15.1	15.1
130°	13.4	13.4	13.4	13.4	12.5	11.7	11.7	11.7	13.4	14.2	14.2
132.5°	12.5	13.4	12.5	12.5	11.7	10.0	10.0	10.9	12.5	13.4	13.4
135°	11.7	11.7	10.9	10.9	10.0	9.2	8.4	10.0	10.9	11.7	11.7
137.5°	10.0	10.0	9.2	8.4	8.4	7.5	7.5	8.4	10.0	10.9	10.9
140°	7.5	8.4	7.5	6.7	6.7	5.9	6.7	7.5	9.2	9.2	9.2
142.5°	5.9	6.7	5.9	5.0	5.0	5.0	5.0	6.7	8.4	8.4	8.4
145°	5.0	5.0	5.0	4.2	3.3	3.3	4.2	5.9	7.5	7.5	7.5
147.5°	4.2	4.2	4.2	3.3	2.5	2.5	3.3	5.0	5.9	5.9	5.9
150°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	4.2	5.0	5.0	5.0
152.5°	3.3	3.3	3.3	2.5	1.7	0.8	1.7	3.3	4.2	4.2	4.2
155°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	2.5	3.3	3.3	3.3
157.5°	2.5	2.5	2.5	1.7	0.8	0.0	0.8	2.5	3.3	2.5	2.5
160°	1.7	1.7	1.7	1.7	0.8	0.0	0.8	1.7	2.5	1.7	1.7
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)