

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: P416146

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416146
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-PA1-60-830-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 5640 lumens
Efficiency: N/A
Efficacy: 88.1 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: B1 - U3 - G3

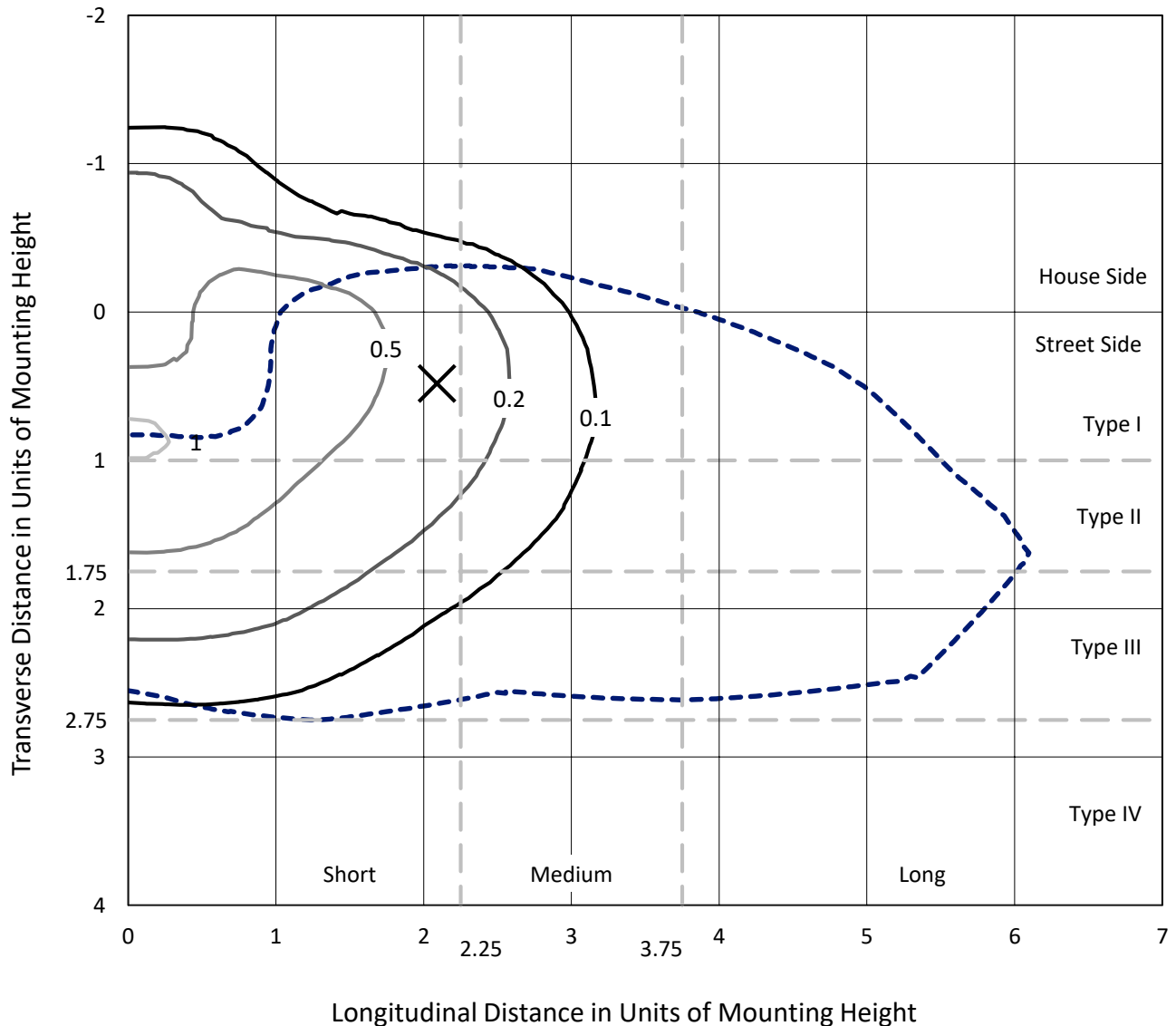
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416146
 CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

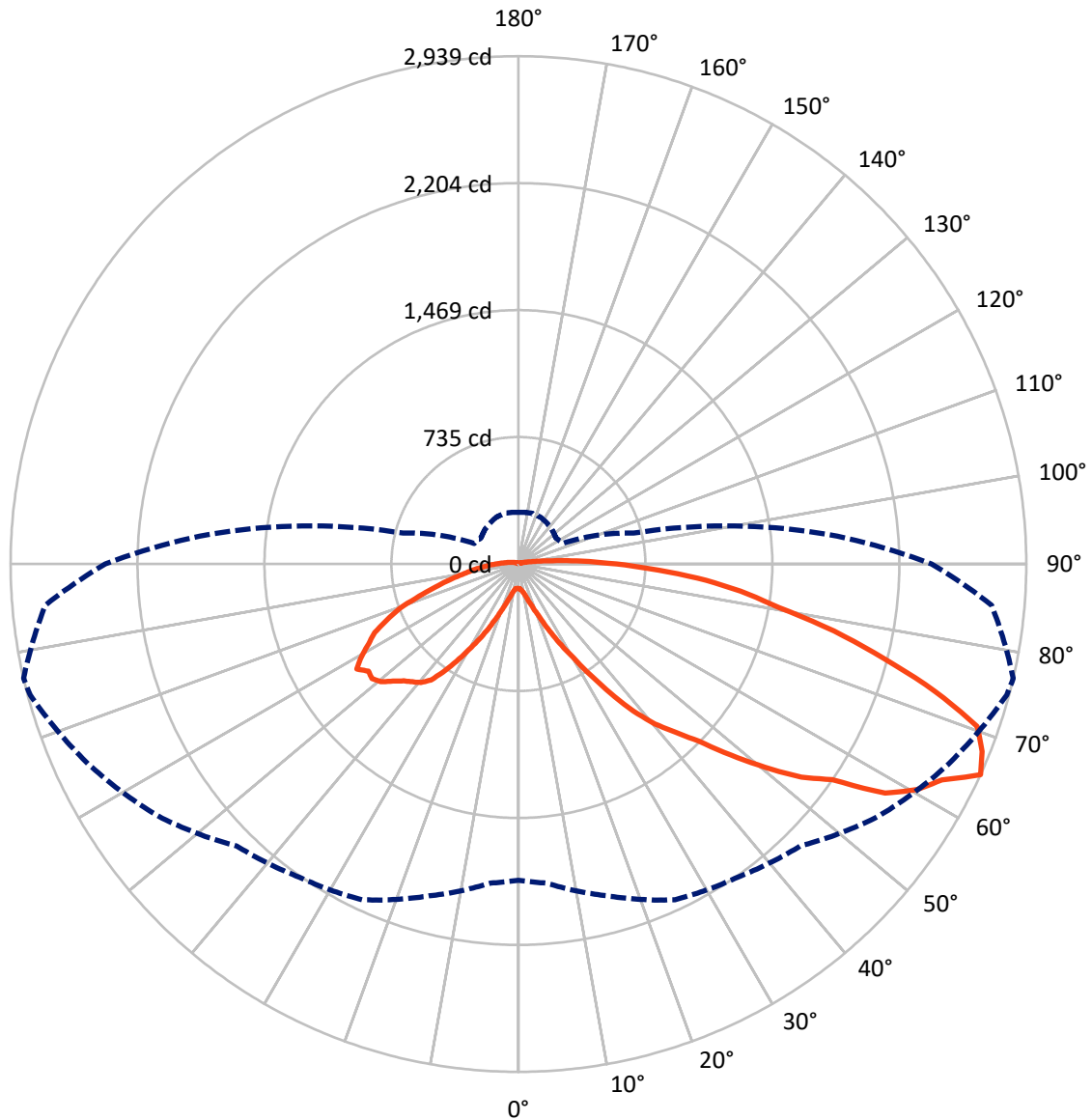


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P416146

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

Luminous Intensity Polar Plot



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



REPORT NUMBER: P416146

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

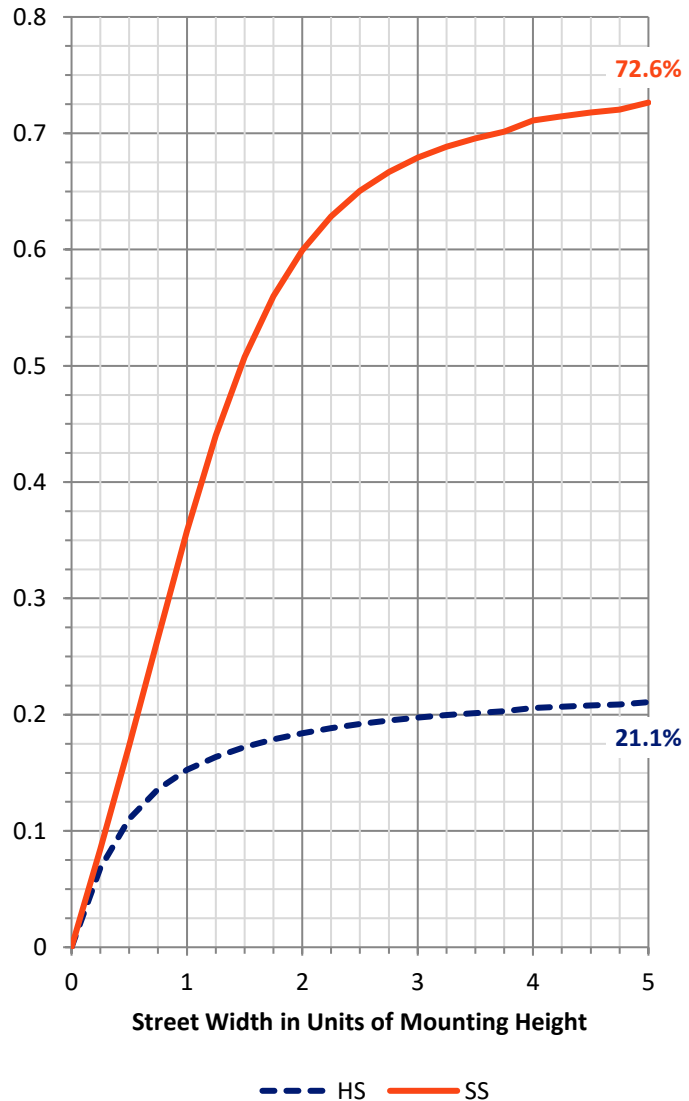
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1242.8	88.4	1331.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4198.3	110.5	4308.8
	% Fixture	74.4	2.0	76.4
Total	Lumens	5441.1	198.9	5640.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.3
10°-20°	61.8	1.1
20°-30°	181.0	3.2
30°-40°	433.3	7.7
40°-50°	780.3	13.8
50°-60°	1186.9	21.0
60°-70°	1400.1	24.8
70°-80°	964.9	17.1
80°-90°	418.3	7.4
90°-100°	122.1	2.2
100°-110°	38.2	0.7
110°-120°	17.9	0.3
120°-130°	10.5	0.2
130°-140°	6.4	0.1
140°-150°	2.8	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5441.1	96.5
0°-180°	5640.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416146

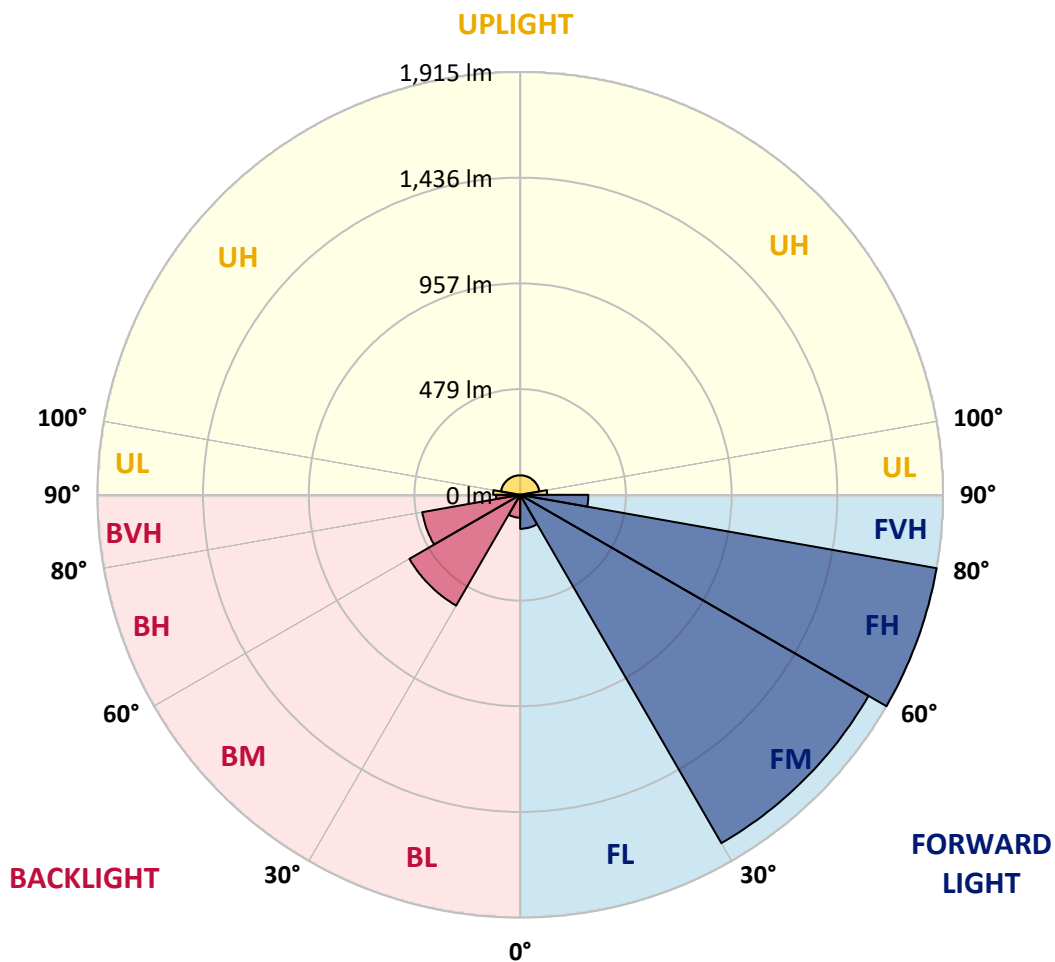
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.7	2.7			
FM	(30°-60°)	1821.3	32.3			
FH	(60°-80°)	1914.7	33.9			G2/5000
FVH	(80°-90°)	308.6	5.5			G3/500
BL	(0°-30°)	103.6	1.8	B0/110		
BM	(30°-60°)	579.2	10.3	B1/1000		
BH	(60°-80°)	450.3	8.0	B1/500		G1/500
BVH	(80°-90°)	109.7	1.9			G2/225
UL	(90°-100°)	122.1	2.2		U3/500	
UH	(100°-180°)	88.4	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





REPORT NUMBER: P416146

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0
2.5°	152.4	151.7	151.7	152.4	151.1	149.8	147.8	145.9	143.9	143.9	142.6
5°	164.7	164.0	164.0	164.0	161.4	159.5	154.9	152.4	149.8	148.5	146.5
7.5°	180.9	178.9	179.6	178.9	175.0	171.2	166.6	161.4	158.2	157.5	153.6
10°	202.3	201.0	199.7	197.1	193.2	186.7	180.2	175.7	171.2	170.5	166.0
12.5°	232.7	231.4	228.9	223.0	214.6	206.8	200.3	195.1	192.5	191.2	186.7
15°	269.7	265.8	264.5	255.4	243.8	234.7	227.6	224.3	221.7	221.7	215.9
17.5°	313.1	313.1	306.6	294.3	279.4	268.4	261.3	255.4	257.4	256.7	253.5
20°	366.9	365.6	355.9	339.7	321.6	311.2	302.1	298.9	301.5	304.1	304.1
22.5°	444.7	441.5	426.6	401.9	375.4	358.5	352.0	351.4	361.8	365.0	368.9
25°	532.3	527.7	508.9	479.1	446.0	420.1	411.0	418.2	437.0	444.1	451.9
27.5°	637.9	635.3	606.8	566.0	526.4	492.7	482.3	504.4	529.7	532.3	547.8
30°	774.1	775.4	736.5	677.5	610.1	575.0	563.4	590.0	627.6	630.1	661.3
32.5°	931.6	931.6	873.3	801.9	715.1	665.8	654.8	697.6	756.6	765.6	795.5
35°	1132.6	1120.9	1046.4	943.9	835.0	761.8	760.5	827.2	908.3	917.3	949.8
37.5°	1312.8	1319.9	1244.1	1110.5	963.4	879.1	890.1	975.0	1077.5	1080.1	1115.1
40°	1507.9	1515.7	1426.3	1286.9	1106.0	1011.3	1033.4	1112.5	1214.3	1216.2	1228.5
42.5°	1660.9	1681.0	1597.4	1452.2	1269.4	1161.8	1166.9	1240.8	1319.3	1329.0	1337.4
45°	1752.4	1767.3	1721.2	1605.2	1413.3	1312.2	1299.8	1360.1	1462.6	1460.0	1472.3
47.5°	1896.3	1913.8	1843.1	1737.4	1575.4	1450.2	1434.7	1513.1	1638.9	1651.9	1640.2
50°	2045.4	2068.7	2017.5	1894.3	1727.1	1605.2	1607.1	1696.6	1843.1	1847.7	1854.8
52.5°	2149.8	2166.6	2146.5	2060.9	1883.3	1772.5	1790.0	1896.9	2040.9	2049.3	2020.8
55°	2166.0	2191.9	2208.1	2188.7	2054.5	1944.9	1989.6	2096.6	2193.8	2201.0	2178.9
57.5°	2160.8	2182.2	2216.5	2231.5	2164.0	2122.5	2180.2	2289.8	2477.2	2501.1	2490.1
60°	2155.0	2170.5	2241.8	2263.9	2225.6	2258.7	2350.7	2545.9	2649.0	2650.9	2550.4
62.5°	1992.9	2018.8	2153.0	2263.9	2253.5	2316.4	2518.0	2653.5	2735.2	2750.1	2654.1
65°	1830.2	1852.8	1987.7	2143.3	2212.0	2306.7	2543.9	2743.6	2925.1	2938.7	2748.8
67.5°	1594.8	1630.5	1777.6	1965.0	2049.3	2200.3	2475.9	2775.4	2888.2	2894.0	2676.8
70°	1299.2	1347.8	1513.8	1711.5	1812.6	1965.6	2323.5	2661.9	2819.5	2816.2	2557.5
72.5°	936.1	979.6	1131.3	1366.0	1524.2	1691.4	2044.7	2436.3	2525.8	2522.5	2175.7
75°	636.0	659.3	773.4	988.0	1215.6	1412.0	1761.4	2113.5	2189.3	2183.5	1863.9
77.5°	416.9	443.4	517.3	700.8	912.8	1139.1	1478.8	1769.2	1888.5	1867.1	1579.9
80°	255.4	270.3	331.3	473.3	691.7	919.3	1222.7	1496.9	1558.5	1527.4	1290.1
82.5°	159.5	171.2	214.6	312.5	496.6	709.9	1002.9	1260.3	1329.0	1294.0	1061.3
85°	97.9	103.7	133.5	205.5	337.1	521.9	806.5	1022.4	1064.5	1039.2	800.0
87.5°	71.3	72.6	91.4	138.7	227.6	373.4	593.8	770.2	800.7	754.0	560.8
90°	52.5	55.1	67.4	97.9	158.2	253.5	409.1	542.0	549.8	521.2	374.7
92.5°	39.5	40.8	50.6	69.4	108.9	173.1	272.9	363.0	355.9	335.8	232.7
95°	28.5	29.2	36.3	49.3	76.5	116.0	173.7	227.6	204.9	196.4	141.3
97.5°	23.3	24.0	29.2	38.2	56.4	81.7	112.2	135.5	120.6	115.4	90.8
100°	20.1	20.1	24.6	31.8	44.1	60.9	74.6	84.9	77.8	75.2	64.2
102.5°	18.2	18.2	21.4	26.6	36.3	48.0	55.1	58.3	54.5	52.5	47.3
105°	16.2	16.2	18.8	22.7	30.5	38.9	42.1	42.8	38.9	38.2	36.3
107.5°	14.9	14.9	16.9	20.1	25.9	32.4	33.7	31.8	29.8	28.5	28.5
110°	13.0	13.6	14.9	17.5	22.7	27.2	27.2	24.6	22.0	22.0	22.7



REPORT NUMBER: P416146

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.3	12.3	13.6	16.2	20.1	23.3	22.0	19.4	17.5	17.5	18.8
115°	11.0	11.0	12.3	14.9	18.2	20.1	18.8	16.2	14.3	14.9	16.2
117.5°	10.4	10.4	11.7	13.6	16.2	17.5	16.2	13.6	12.3	13.0	14.9
120°	10.4	10.4	11.7	13.0	14.9	15.6	14.3	11.7	11.0	11.0	13.0
122.5°	10.4	10.4	11.0	13.0	14.3	14.3	12.3	10.4	9.7	9.7	11.7
125°	10.4	10.4	11.7	13.0	13.0	13.0	11.0	9.1	8.4	9.1	10.4
127.5°	11.0	11.0	11.7	12.3	12.3	11.7	9.7	8.4	7.8	8.4	9.7
130°	11.0	11.0	11.7	12.3	11.7	10.4	9.1	7.8	7.8	7.8	9.7
132.5°	11.0	11.0	11.7	11.7	11.0	9.1	7.8	6.5	7.1	7.8	9.1
135°	10.4	10.4	10.4	10.4	9.7	8.4	6.5	5.8	6.5	7.1	8.4
137.5°	9.7	9.7	9.7	9.7	8.4	7.1	5.2	4.5	5.8	5.8	7.1
140°	8.4	8.4	9.1	8.4	7.8	5.8	4.5	3.2	4.5	4.5	5.8
142.5°	7.8	7.8	7.8	7.8	6.5	5.2	3.2	3.2	3.9	3.9	4.5
145°	6.5	6.5	7.1	6.5	5.2	3.9	2.6	2.6	3.2	3.2	3.9
147.5°	5.2	5.8	5.8	5.2	4.5	3.2	1.9	1.9	2.6	2.6	3.2
150°	4.5	4.5	4.5	4.5	3.2	1.9	1.3	1.9	2.6	2.6	2.6
152.5°	3.2	3.2	3.9	3.9	2.6	1.3	1.3	1.9	1.9	1.9	2.6
155°	2.6	2.6	3.2	2.6	1.9	0.6	1.3	1.3	1.9	1.9	1.9
157.5°	1.3	1.3	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.9
160°	0.6	0.6	1.9	1.9	1.3	0.6	0.6	0.6	1.3	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



REPORT NUMBER: P416146

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0
2.5°	142.0	140.7	140.0	138.7	137.4	136.1	136.1	136.1	135.5	134.8	135.5
5°	144.6	143.9	140.7	138.1	135.5	134.2	132.9	132.3	132.3	131.0	131.0
7.5°	151.7	149.1	144.6	140.0	137.4	134.8	132.9	132.3	131.6	130.3	130.3
10°	162.7	159.5	154.3	147.2	142.6	138.1	136.1	136.1	135.5	134.8	134.8
12.5°	183.5	179.6	170.5	160.8	151.7	145.2	143.9	145.9	149.8	150.4	150.4
15°	213.9	209.4	197.7	182.2	167.9	158.8	160.1	165.3	170.5	172.4	172.4
17.5°	251.5	246.4	229.5	206.8	188.0	179.6	178.9	186.1	193.2	197.1	197.1
20°	302.1	293.7	271.6	239.2	213.3	203.6	199.7	206.2	217.2	221.7	220.4
22.5°	365.0	355.3	324.2	274.9	242.5	225.0	219.8	226.9	240.5	246.4	245.7
25°	448.0	438.3	387.7	319.6	271.0	243.8	240.5	250.9	271.0	282.7	281.4
27.5°	544.6	528.4	460.9	369.5	298.9	259.3	260.0	277.5	298.2	311.2	309.9
30°	647.7	626.9	534.8	417.5	324.8	276.8	275.5	296.3	317.7	331.3	331.3
32.5°	783.8	753.3	620.4	463.5	344.9	290.4	285.9	309.2	331.3	345.5	344.9
35°	929.7	888.8	709.9	512.2	361.8	297.6	292.4	316.4	339.1	355.9	355.9
37.5°	1096.9	1027.6	793.5	545.9	373.4	301.5	294.3	321.6	349.4	366.9	365.6
40°	1185.1	1107.3	833.7	560.8	375.4	302.1	297.6	326.1	349.4	355.9	352.7
42.5°	1283.6	1183.1	850.6	542.6	368.2	300.8	299.5	321.6	331.9	330.0	328.0
45°	1408.1	1272.6	866.8	519.9	351.4	298.9	296.3	309.2	309.9	302.1	299.5
47.5°	1566.9	1395.8	893.4	492.7	334.5	294.3	291.1	296.9	285.9	271.6	267.1
50°	1737.4	1538.4	926.4	469.4	319.0	288.5	285.3	283.3	272.3	258.0	255.4
52.5°	1885.9	1635.0	935.5	444.7	308.6	284.6	280.7	278.8	268.4	252.2	248.9
55°	2018.8	1717.3	903.7	407.8	300.2	282.0	280.7	280.7	269.7	252.8	249.6
57.5°	2281.4	1914.4	915.4	370.2	289.1	281.4	283.3	284.0	273.6	257.4	254.1
60°	2289.1	1876.8	847.3	343.6	279.4	281.4	285.9	287.2	280.1	269.0	267.1
62.5°	2363.7	1878.1	755.9	309.2	272.9	280.1	287.8	292.4	293.0	286.5	285.3
65°	2390.9	1850.9	689.8	282.0	263.9	276.8	288.5	299.5	303.4	300.2	298.9
67.5°	2286.6	1725.8	599.7	263.9	254.8	271.6	287.8	301.5	309.9	311.8	311.8
70°	2149.1	1585.1	519.3	246.4	245.1	264.5	283.3	301.5	313.1	318.3	318.3
72.5°	1800.3	1301.8	428.5	228.2	232.1	253.5	273.6	295.6	308.6	313.1	311.2
75°	1506.0	1071.6	352.7	212.6	219.1	239.9	260.0	281.4	290.4	293.0	291.1
77.5°	1273.9	891.4	289.8	198.4	203.6	222.4	240.5	255.4	261.3	260.0	256.7
80°	1026.9	695.6	237.9	180.9	186.1	201.0	213.9	225.6	231.4	228.2	226.3
82.5°	817.5	553.0	202.9	165.3	167.3	179.6	188.7	197.7	207.5	204.9	199.7
85°	604.9	407.1	172.4	148.5	148.5	157.5	162.1	170.5	184.1	183.5	181.5
87.5°	413.6	289.8	146.5	131.6	131.0	136.1	138.7	147.8	165.3	166.0	164.0
90°	272.3	198.4	122.5	114.1	112.8	116.7	118.6	126.4	140.7	142.0	139.4
92.5°	177.0	137.4	100.5	96.6	95.9	99.2	98.5	103.7	113.5	112.8	110.9
95°	113.5	95.9	81.7	79.7	77.8	81.7	80.4	81.7	86.9	85.6	85.6
97.5°	78.4	73.3	67.4	64.2	62.9	66.8	65.5	65.5	68.1	65.5	64.2
100°	60.3	58.3	55.8	53.2	50.6	53.8	53.8	53.8	55.8	51.9	50.6
102.5°	46.7	46.0	46.0	44.1	42.1	44.7	45.4	46.0	45.4	41.5	40.8
105°	37.0	37.0	38.2	36.3	35.7	37.6	38.2	37.6	37.6	34.4	34.4
107.5°	29.2	30.5	31.8	30.5	30.5	31.8	31.8	31.8	30.5	28.5	29.2
110°	24.0	25.3	27.2	25.9	25.9	27.2	26.6	25.9	25.3	24.6	24.6



REPORT NUMBER: P416146

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.7	21.4	22.7	22.0	22.7	23.3	22.7	21.4	21.4	21.4	22.0
115°	17.5	18.8	20.1	19.4	19.4	20.1	18.8	18.2	18.2	18.8	18.8
117.5°	15.6	16.9	17.5	17.5	16.9	17.5	16.2	15.6	16.2	16.9	16.9
120°	14.3	14.9	15.6	15.6	14.9	14.9	14.3	13.6	14.3	14.9	15.6
122.5°	13.0	13.6	13.6	14.3	13.6	13.0	12.3	12.3	13.0	13.6	13.6
125°	11.7	12.3	12.3	12.3	12.3	11.7	11.0	11.0	11.7	12.3	13.0
127.5°	10.4	11.0	11.0	11.7	11.0	10.4	9.7	10.4	11.0	11.7	11.7
130°	10.4	10.4	10.4	10.4	9.7	9.1	9.1	9.1	10.4	11.0	11.0
132.5°	9.7	10.4	9.7	9.7	9.1	7.8	7.8	8.4	9.7	10.4	10.4
135°	9.1	9.1	8.4	8.4	7.8	7.1	6.5	7.8	8.4	9.1	9.1
137.5°	7.8	7.8	7.1	6.5	6.5	5.8	5.8	6.5	7.8	8.4	8.4
140°	5.8	6.5	5.8	5.2	5.2	4.5	5.2	5.8	7.1	7.1	7.1
142.5°	4.5	5.2	4.5	3.9	3.9	3.9	3.9	5.2	6.5	6.5	6.5
145°	3.9	3.9	3.9	3.2	2.6	2.6	3.2	4.5	5.8	5.8	5.8
147.5°	3.2	3.2	3.2	2.6	1.9	1.9	2.6	3.9	4.5	4.5	4.5
150°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	3.2	3.9	3.9	3.9
152.5°	2.6	2.6	2.6	1.9	1.3	0.6	1.3	2.6	3.2	3.2	3.2
155°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.9	2.6	2.6	2.6
157.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.9	2.6	1.9	1.9
160°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	1.3	1.9	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)