

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: P415064

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415064
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-PA1-40-730-U-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA 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: 4486.1 lumens
Efficiency: N/A
Efficacy: 112.2 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 - G2

Input Watts (W): 40
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

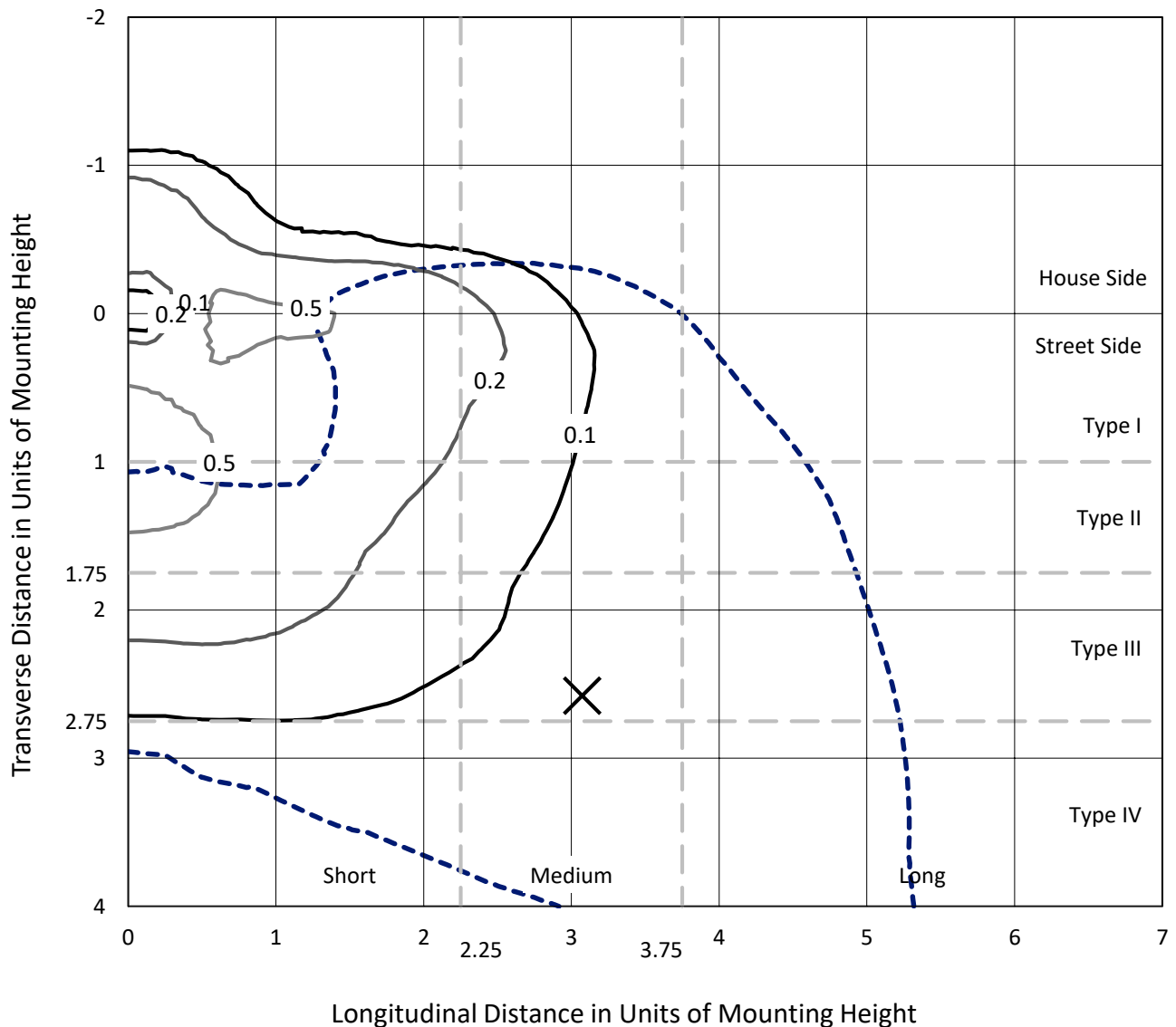


REPORT NUMBER: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

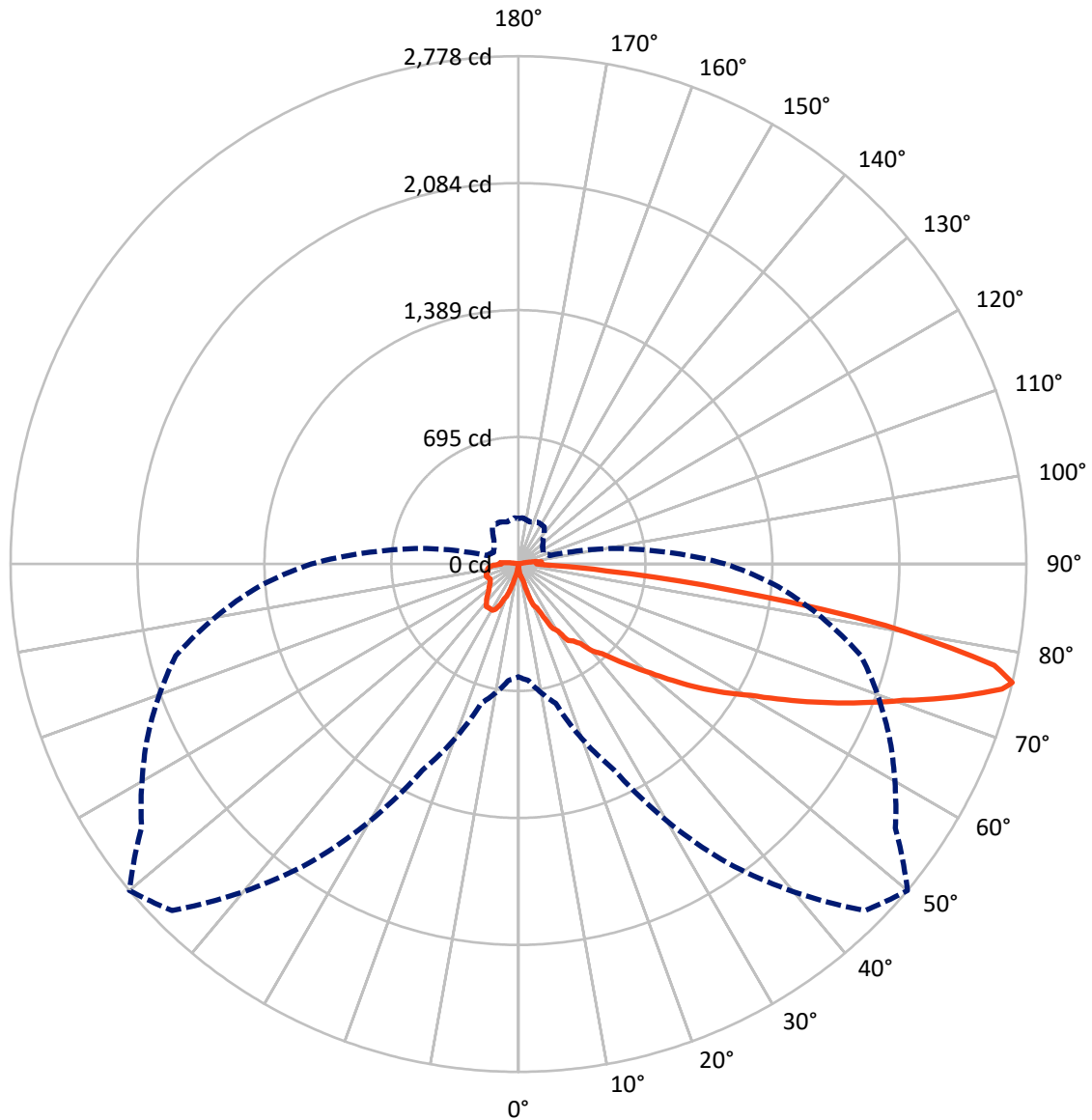


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

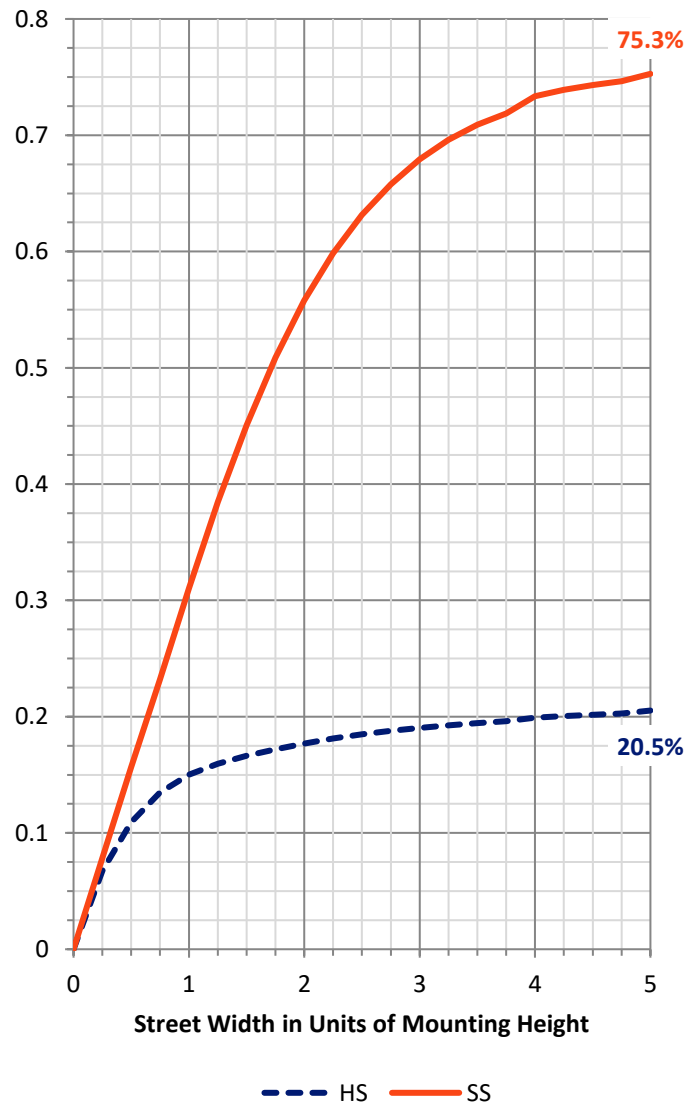
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	979.1	55.2	1034.3
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	3407.5	44.3	3451.8
	% Fixture	76.0	1.0	76.9
Total	Lumens	4386.6	99.5	4486.1
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	37.4	0.8
20°-30°	146.3	3.3
30°-40°	315.0	7.0
40°-50°	513.2	11.4
50°-60°	826.2	18.4
60°-70°	1203.4	26.8
70°-80°	1073.6	23.9
80°-90°	268.9	6.0
90°-100°	78.8	1.8
100°-110°	11.7	0.3
110°-120°	3.4	0.1
120°-130°	2.3	0.1
130°-140°	1.5	0.0
140°-150°	1.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4386.6	97.8
0°-180°	4486.1	100.0



REPORT NUMBER: P415064

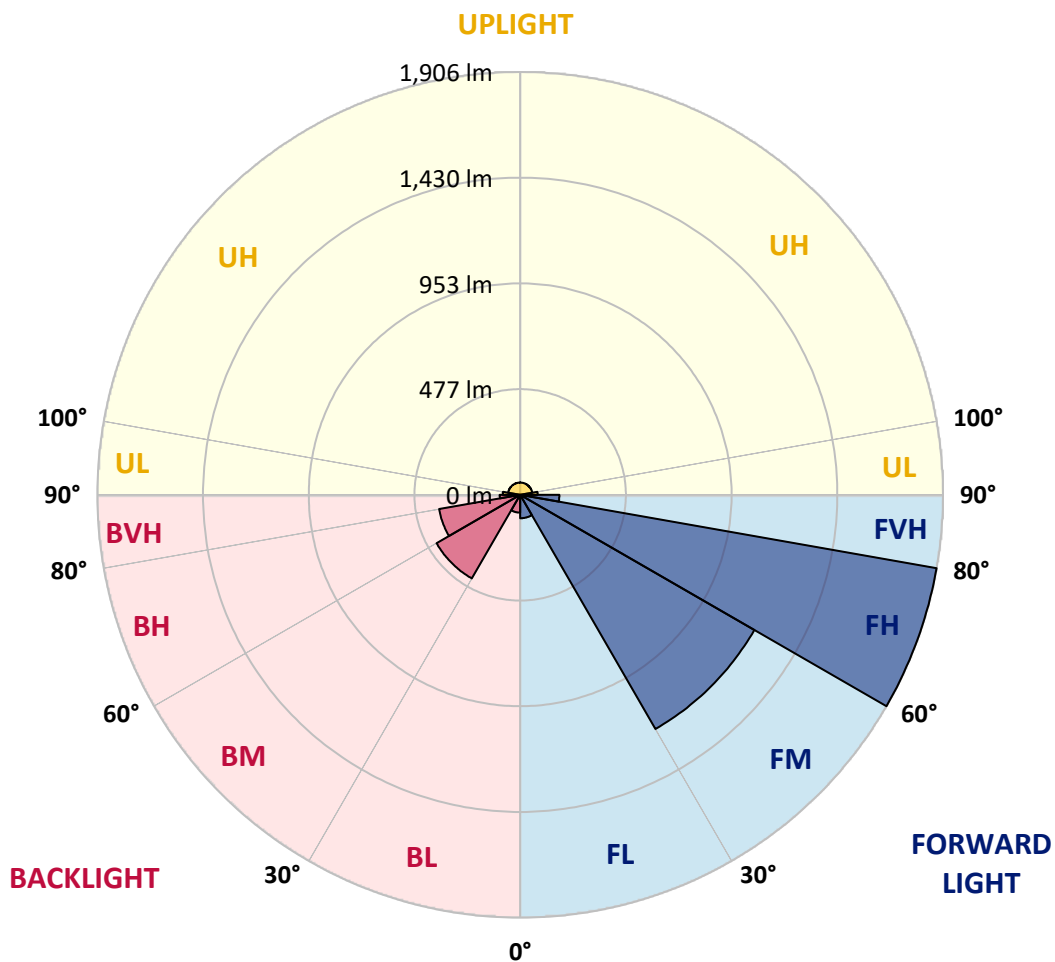
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.8	2.4			
FM (30°-60°)	1219.0	27.2			
FH (60°-80°)	1906.1	42.5			G2/5000
FVH (80°-90°)	176.6	3.9			G2/225
BL (0°-30°)	80.5	1.8	B0/110		
BM (30°-60°)	435.3	9.7	B1/1000		
BH (60°-80°)	370.9	8.3	B1/500		G1/500
BVH (80°-90°)	92.3	2.1			G1/100
UL (90°-100°)	78.8	1.8		U3/500	
UH (100°-180°)	55.2	1.2		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	6.5	5.0	4.5	4.0	4.0	3.5	3.5	3.0	3.0	3.0	3.0
5°	62.8	60.8	56.3	52.3	17.9	15.0	12.5	9.5	3.5	3.5	3.0
7.5°	75.3	73.8	70.8	68.8	65.8	61.3	56.3	26.4	10.5	4.0	3.5
10°	98.7	91.2	85.3	80.3	76.8	69.3	67.3	63.3	17.4	7.5	5.5
12.5°	176.5	172.5	166.5	113.2	93.2	79.8	76.8	73.3	56.8	26.9	48.4
15°	194.4	190.4	184.5	177.0	166.0	98.2	92.2	114.7	146.6	110.2	115.2
17.5°	228.3	226.3	210.4	192.4	181.5	192.9	193.4	175.5	166.5	145.6	132.6
20°	316.6	314.6	305.6	259.7	205.4	243.8	242.8	233.8	187.0	214.9	231.3
22.5°	329.5	327.1	319.1	306.6	325.1	267.2	260.7	260.7	275.7	292.2	272.2
25°	433.7	431.3	370.4	322.6	348.5	318.1	319.1	353.0	305.1	320.6	306.1
27.5°	453.2	449.7	444.7	412.8	366.9	402.8	397.3	378.9	396.9	442.7	427.3
30°	529.0	490.6	474.1	455.7	433.2	426.8	424.3	457.7	470.6	467.6	472.1
32.5°	613.7	612.2	596.3	486.1	490.1	458.7	499.1	514.0	494.1	567.9	615.2
35°	737.4	686.5	655.6	582.3	510.0	530.5	516.5	532.0	600.3	607.2	652.6
37.5°	926.8	923.8	853.0	642.6	588.3	542.9	552.9	595.8	640.6	650.6	711.9
40°	1083.4	1068.9	1024.0	801.2	639.6	587.3	627.2	617.7	665.1	700.0	758.8
42.5°	1199.5	1213.0	1187.6	927.3	742.8	657.6	669.6	657.1	701.0	766.3	826.1
45°	1310.7	1305.2	1322.7	1055.4	842.1	747.8	746.8	716.4	766.8	840.1	918.8
47.5°	1401.4	1393.5	1411.4	1194.5	956.2	829.6	836.6	797.2	845.5	932.3	1056.4
50°	1502.6	1487.2	1499.2	1311.2	1105.3	947.8	938.3	907.9	935.3	1053.4	1224.5
52.5°	1624.3	1613.3	1591.9	1427.4	1258.9	1069.4	1057.4	1028.0	1057.9	1204.0	1410.4
55°	1733.5	1721.0	1703.6	1587.4	1386.5	1193.0	1193.5	1164.1	1222.5	1368.5	1626.3
57.5°	1847.1	1841.2	1850.1	1766.4	1569.0	1322.2	1325.2	1307.2	1411.9	1537.5	1855.1
60°	1941.4	1932.4	1982.3	1949.4	1731.0	1469.7	1457.8	1477.2	1605.3	1714.0	2087.0
62.5°	1977.3	1983.3	2077.5	2117.9	1888.0	1628.8	1633.3	1659.7	1784.3	1925.4	2310.3
65°	1808.8	1829.7	2092.9	2147.3	2063.0	1805.3	1826.7	1822.2	1967.8	2081.0	2498.8
67.5°	1625.8	1649.7	1935.9	2154.8	2198.6	2012.7	2023.6	1979.3	2125.8	2178.2	2639.4
70°	1496.2	1514.6	1749.9	2112.4	2281.9	2229.0	2234.0	2151.8	2240.5	2292.4	2634.4
72.5°	1271.8	1291.3	1508.6	1952.3	2333.7	2491.3	2491.3	2309.8	2333.2	2289.9	2326.3
75°	859.5	867.0	1045.0	1515.6	2199.6	2705.2	2731.1	2482.3	2301.3	2080.0	1735.0
76°	617.2	640.1	789.2	1244.4	1997.7	2680.7	2778.0	2517.2	2239.0	1940.9	1427.9
77.5°	327.1	348.0	465.7	796.7	1620.3	2492.8	2660.8	2410.0	2041.6	1666.2	1055.9
80°	128.1	126.6	160.0	283.7	820.6	1896.0	2036.1	1776.4	1381.0	965.2	501.5
82.5°	70.3	77.3	101.7	150.1	356.0	1046.0	1150.2	937.3	705.0	445.2	293.2
85°	44.9	45.9	59.8	92.7	219.9	440.7	484.1	401.3	330.0	273.2	208.4
87.5°	26.9	27.9	31.4	42.9	108.7	129.6	141.6	166.5	189.5	188.0	180.0
90°	18.4	18.4	15.5	17.0	50.9	103.7	99.7	106.2	96.7	122.6	173.5
92.5°	17.9	17.9	15.0	15.5	43.4	115.2	115.7	115.2	102.2	125.1	182.5
95°	16.0	16.5	13.0	13.5	31.9	107.7	126.6	122.6	103.2	126.1	182.0
97.5°	13.5	14.0	10.0	11.5	21.4	72.8	94.2	96.2	64.3	63.8	82.3
100°	10.0	10.5	7.0	9.0	13.0	33.4	50.4	47.4	31.9	17.4	11.5
102.5°	9.5	10.0	6.0	7.0	8.0	11.5	18.4	14.0	12.0	10.0	10.0
105°	10.5	10.5	5.5	5.0	5.0	5.5	4.5	6.5	7.0	7.5	10.5
107.5°	9.0	9.5	4.0	4.0	3.5	3.5	3.0	3.0	4.0	6.5	11.5



REPORT NUMBER: P415064

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	7.0	7.0	3.5	3.5	2.5	3.0	3.0	2.5	3.5	5.0	9.0
112.5°	4.0	4.5	2.0	3.0	2.0	2.5	2.5	2.0	3.0	3.5	5.0
115°	4.0	4.0	2.0	1.5	1.5	1.5	2.0	2.0	2.5	3.5	5.5
117.5°	4.0	4.0	2.0	1.5	1.0	1.5	1.5	1.5	2.5	3.5	5.5
120°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.5	2.5	3.5	5.5
122.5°	4.5	4.0	2.0	1.0	1.0	1.0	1.0	1.5	2.5	3.5	5.0
125°	4.5	4.0	2.0	1.0	1.0	1.0	1.0	1.5	2.0	3.0	4.5
127.5°	4.5	4.0	2.0	1.0	1.0	1.0	1.0	1.5	2.0	3.0	4.0
130°	4.0	4.0	2.0	1.0	1.0	1.0	1.0	1.5	2.0	3.0	4.0
132.5°	4.0	3.5	2.0	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.5
135°	3.5	3.0	2.0	1.0	1.5	1.0	1.5	1.5	2.0	2.5	3.0
137.5°	3.0	3.0	2.0	1.5	1.5	1.5	1.5	1.5	2.0	2.5	2.5
140°	3.5	3.0	2.0	2.0	1.5	1.5	1.5	1.5	2.0	2.5	2.5
142.5°	4.0	3.5	2.5	2.0	2.0	1.5	1.5	2.0	2.0	2.5	2.5
145°	4.0	4.0	3.0	2.5	1.5	1.5	1.5	2.0	2.5	2.5	3.0
147.5°	4.5	4.0	3.0	2.5	1.5	1.0	1.5	1.5	2.5	3.0	3.0
150°	4.0	4.0	2.5	2.0	1.0	0.5	1.0	1.5	2.5	3.0	3.0
152.5°	3.0	3.0	2.0	1.0	0.5	0.5	1.0	1.5	2.0	2.5	3.0
155°	2.0	2.0	1.0	0.5	0.0	0.5	0.5	1.0	1.5	2.0	2.5
157.5°	1.0	1.0	0.5	0.0	0.0	0.5	0.5	1.0	1.5	2.0	2.0
160°	0.5	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.0	1.5	1.5
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: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.0	2.5	2.5	2.0	2.0	1.5	1.5	1.5	1.5	2.0	2.5
5°	3.0	3.0	2.5	2.5	2.5	2.0	2.0	3.0	3.5	4.0	4.0
7.5°	3.0	3.0	3.0	2.5	3.0	4.0	16.0	45.9	50.4	53.3	54.3
10°	5.5	5.0	4.5	4.0	7.5	50.9	62.8	68.3	70.8	73.3	73.3
12.5°	52.3	52.3	21.4	12.0	51.4	68.3	71.8	75.8	79.3	82.8	83.3
15°	113.7	112.2	108.2	99.2	85.8	77.3	80.8	119.7	140.6	150.1	148.6
17.5°	130.1	128.1	125.6	143.1	149.1	119.2	139.1	154.6	159.0	164.0	163.5
20°	241.3	238.8	186.0	166.5	163.0	199.9	159.0	162.5	170.5	217.4	218.9
22.5°	270.2	267.2	248.8	253.8	190.4	216.9	209.9	219.9	245.3	252.8	253.8
25°	316.6	304.6	282.2	265.2	269.7	226.3	261.2	244.8	254.3	263.2	264.7
27.5°	438.2	431.3	391.4	297.1	275.2	283.2	272.2	266.2	318.1	337.0	338.5
30°	472.1	465.2	415.3	344.0	290.2	290.2	274.2	332.0	334.5	344.5	347.0
32.5°	641.6	627.7	528.0	349.5	301.1	277.2	310.6	327.1	366.9	396.9	401.8
35°	681.0	669.1	544.9	399.3	291.2	288.7	293.2	344.5	373.9	391.9	395.9
37.5°	721.9	708.4	542.9	380.4	308.6	275.2	285.2	322.1	364.4	410.8	416.8
40°	777.7	761.3	545.4	356.0	289.2	260.2	267.7	309.1	338.0	366.9	371.9
42.5°	852.5	819.6	549.9	334.0	266.7	253.8	255.3	279.2	292.7	304.6	304.6
45°	953.2	899.9	551.4	311.1	244.3	238.8	240.8	251.8	256.8	249.3	245.8
47.5°	1088.3	999.1	569.8	290.7	225.3	222.4	223.9	227.3	224.8	205.4	201.9
50°	1245.9	1115.8	579.8	272.7	211.4	210.9	208.4	208.4	199.4	177.5	176.0
52.5°	1419.9	1254.9	588.3	250.8	201.4	203.9	203.9	193.4	180.0	162.5	161.0
55°	1640.7	1415.4	600.8	231.8	192.9	192.4	197.9	185.0	171.0	156.0	156.0
57.5°	1860.1	1585.4	615.7	215.4	183.5	184.5	192.4	182.0	174.5	168.5	168.0
60°	2079.5	1760.9	591.8	200.4	180.0	178.0	190.9	193.4	184.5	188.0	191.4
62.5°	2285.4	1873.1	495.6	187.5	173.5	176.5	203.9	219.4	216.4	212.9	213.9
65°	2382.6	1896.0	401.8	176.0	169.0	187.0	224.8	248.3	238.3	226.8	225.8
67.5°	2399.0	1836.7	295.6	169.0	166.5	205.4	241.3	254.8	239.8	235.3	231.3
70°	2283.4	1686.1	236.3	161.5	168.5	208.4	251.8	253.3	242.3	247.3	242.3
72.5°	1941.9	1404.4	206.9	154.6	169.0	200.9	251.8	253.8	241.3	255.8	253.3
75°	1390.5	984.6	184.0	148.6	163.5	192.4	248.3	253.3	238.3	254.3	250.3
76°	1132.7	781.2	177.5	150.1	161.0	189.5	247.3	251.8	238.8	253.3	249.3
77.5°	748.3	510.5	166.5	149.1	156.5	188.0	244.8	249.8	238.3	250.3	246.3
80°	400.3	289.2	150.1	139.1	151.1	189.0	242.8	244.8	228.8	242.3	237.3
82.5°	263.7	215.4	129.6	126.1	145.6	190.4	241.8	238.8	220.9	242.3	228.8
85°	206.9	178.0	97.2	101.2	132.6	184.0	238.8	230.3	213.9	219.9	211.9
87.5°	175.5	146.6	58.3	72.3	116.2	156.5	211.9	190.4	181.0	187.0	183.5
90°	165.0	129.6	32.9	50.9	87.2	104.2	133.6	124.1	120.2	127.1	125.6
92.5°	166.5	126.6	32.4	48.4	93.2	112.2	138.1	127.1	115.2	115.2	113.7
95°	159.0	118.2	31.9	38.4	84.3	109.2	129.6	114.2	92.7	88.2	86.7
97.5°	69.3	57.3	29.9	29.4	48.4	75.3	94.2	81.8	61.3	47.9	47.9
100°	11.5	18.4	25.9	28.4	28.4	39.9	53.3	50.4	29.4	15.5	16.0
102.5°	12.0	10.5	17.9	23.4	18.4	16.5	24.4	30.4	19.4	6.0	6.5
105°	12.5	11.0	9.0	16.5	10.5	5.5	7.5	14.0	9.0	6.0	6.0
107.5°	13.5	11.5	5.5	6.0	4.5	4.5	4.0	3.5	4.5	6.0	6.5



REPORT NUMBER: P415064

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.5	9.5	5.0	4.5	4.0	4.5	3.0	3.0	3.5	6.0	6.5
112.5°	6.0	6.0	4.5	3.5	3.5	4.0	2.5	2.5	3.5	6.5	6.5
115°	6.0	6.0	4.0	3.0	2.5	3.0	2.5	2.0	3.5	6.5	7.0
117.5°	6.0	6.0	4.0	3.0	2.5	2.0	2.0	2.0	3.5	6.5	7.0
120°	6.0	5.5	3.5	2.5	2.5	1.5	1.5	1.5	3.0	6.5	7.0
122.5°	5.5	5.5	3.5	2.5	2.0	1.5	1.5	1.5	3.0	6.0	6.5
125°	5.0	5.0	3.5	2.5	2.0	1.5	1.0	1.5	3.0	5.5	6.0
127.5°	4.5	4.5	3.0	2.5	2.0	1.5	1.0	1.5	3.0	5.5	6.0
130°	4.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	3.0	5.0	5.5
132.5°	3.5	3.5	2.5	2.0	1.5	1.0	0.5	1.0	2.5	4.5	4.5
135°	3.0	3.0	2.5	2.0	1.5	1.0	0.5	1.0	2.0	3.5	4.0
137.5°	2.5	2.5	2.0	2.0	1.5	1.0	0.5	1.0	1.5	3.0	3.0
140°	2.5	2.5	2.0	2.0	1.5	1.0	0.5	1.0	1.5	2.5	3.0
142.5°	2.5	2.5	2.0	2.0	1.5	1.0	0.5	1.0	1.5	2.5	3.0
145°	3.0	2.5	2.5	2.0	1.5	1.0	0.5	1.0	2.0	3.0	3.0
147.5°	3.0	3.0	2.5	2.0	1.5	1.0	0.5	1.0	2.0	3.0	3.0
150°	3.0	3.0	2.5	2.0	1.5	0.5	0.0	0.5	1.5	2.5	3.0
152.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.0	1.0	2.0	2.0
155°	2.5	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.5	1.0	1.0
157.5°	2.0	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5
160°	1.5	1.5	1.0	1.0	0.5	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)