

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: P415722

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5066 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 54
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

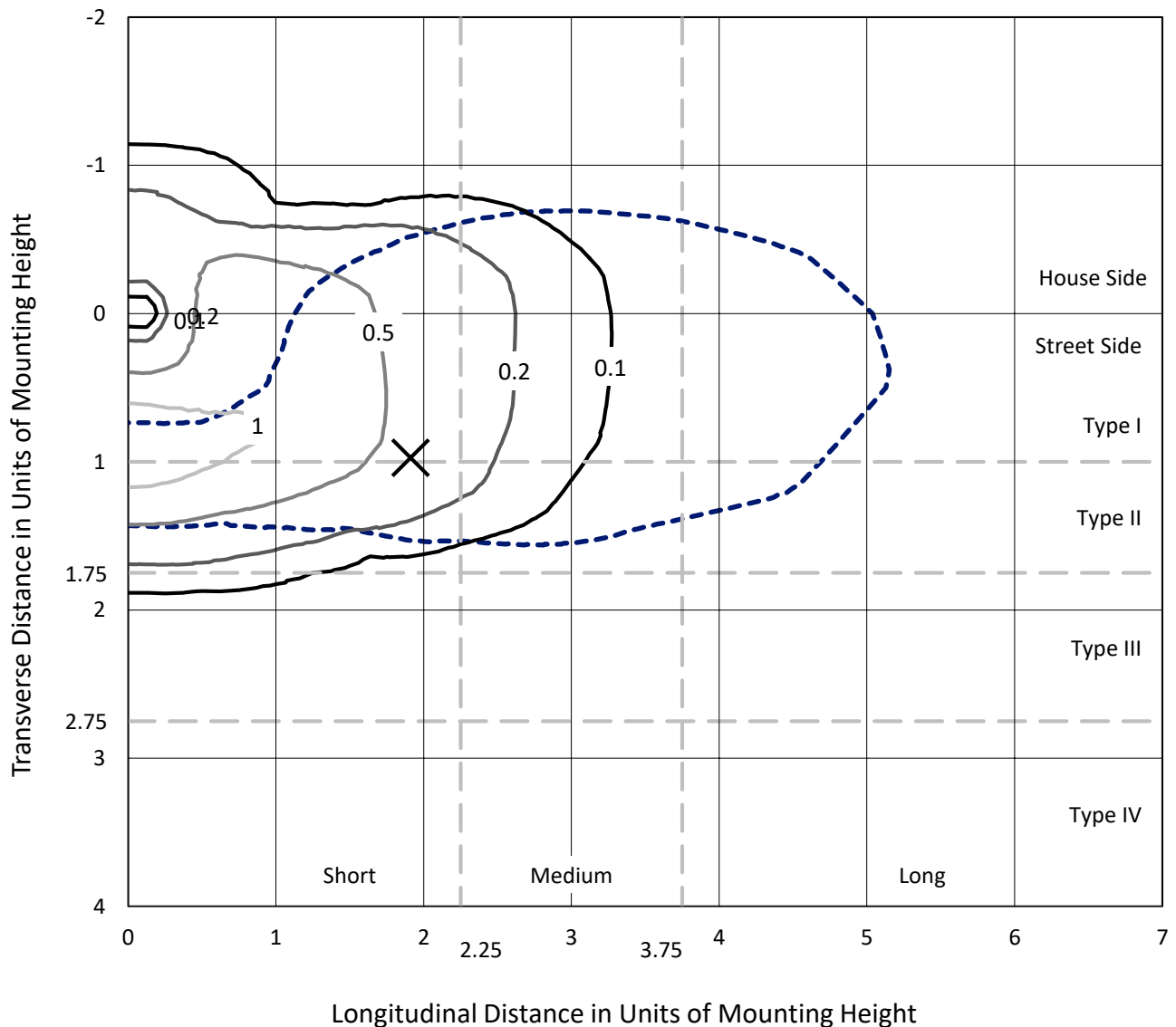


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

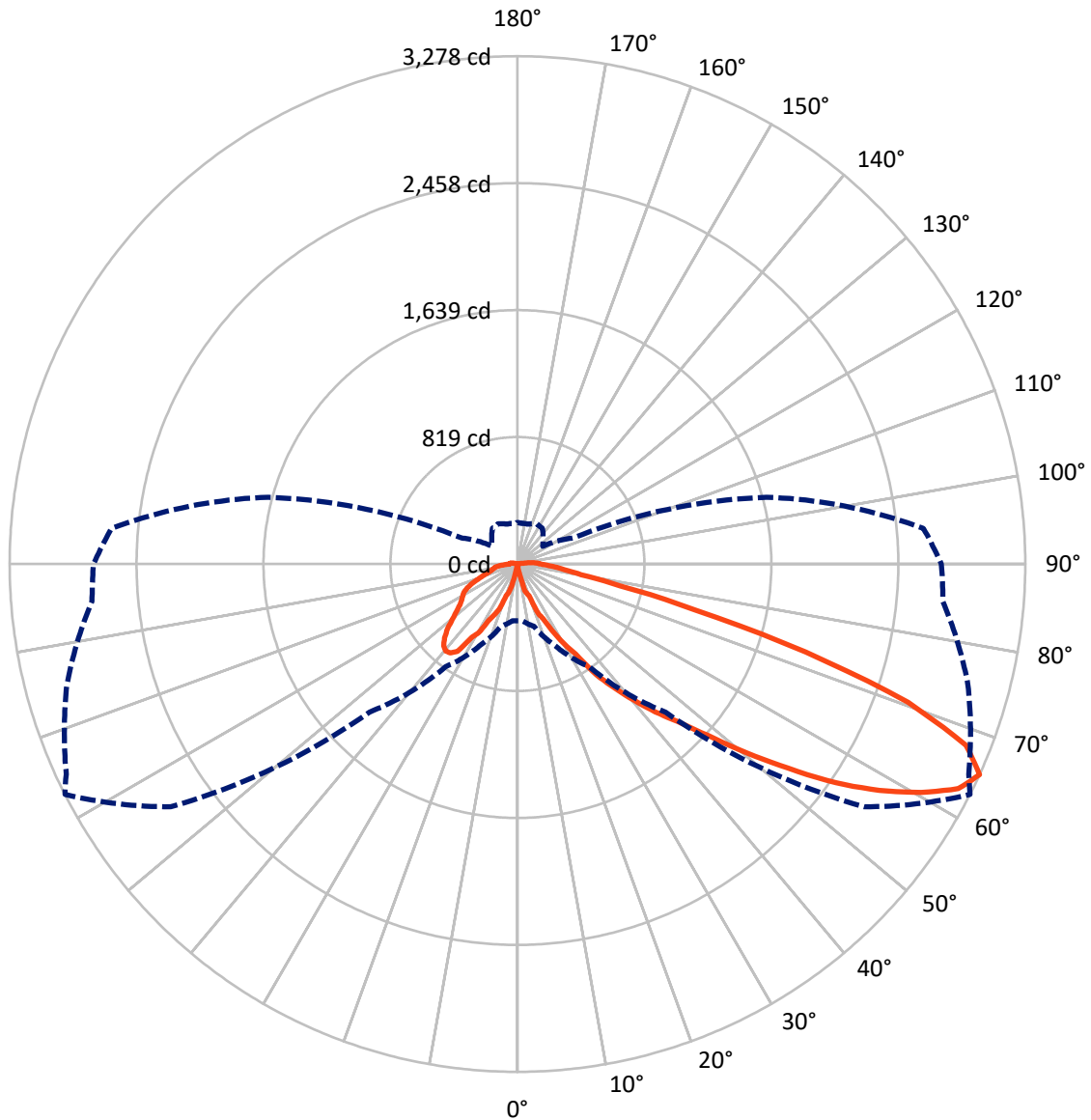


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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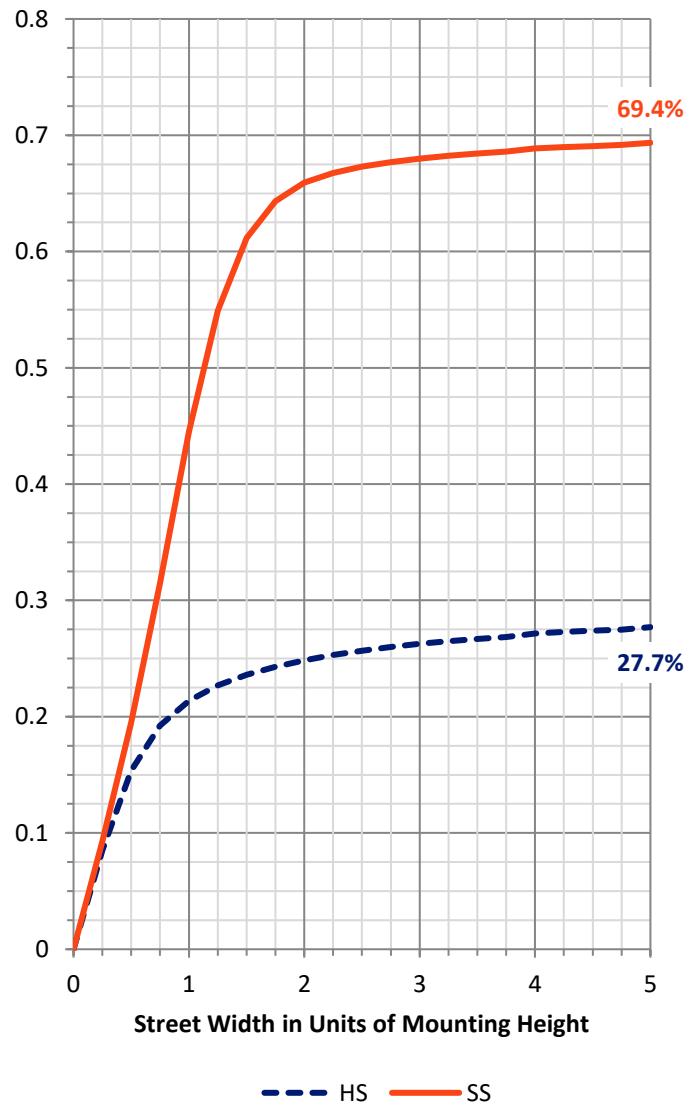
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1441.7	41.8	1483.6
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	3543.4	39.0	3582.4
	% Fixture	69.9	0.8	70.7
Total	Lumens	4985.2	80.8	5066.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	45.5	0.9
20°-30°	186.1	3.7
30°-40°	483.6	9.5
40°-50°	919.5	18.2
50°-60°	1237.9	24.4
60°-70°	1172.7	23.1
70°-80°	734.9	14.5
80°-90°	201.8	4.0
90°-100°	56.5	1.1
100°-110°	10.5	0.2
110°-120°	5.1	0.1
120°-130°	3.7	0.1
130°-140°	2.4	0.0
140°-150°	1.9	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4985.2	98.4
0°-180°	5066.0	100.0



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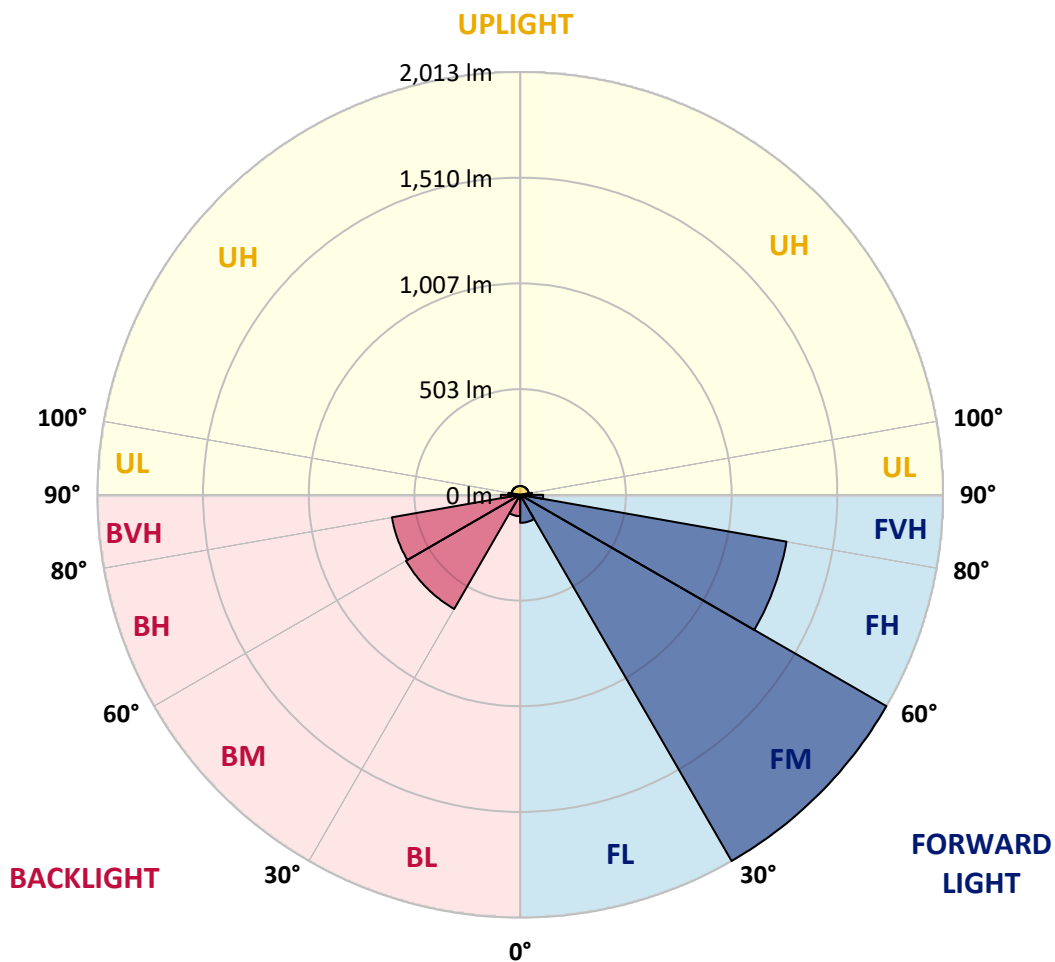
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.3	2.6			
FM	(30°-60°)	2013.3	39.7			
FH	(60°-80°)	1287.4	25.4			G1/1800
FVH	(80°-90°)	109.4	2.2			G2/225
BL	(0°-30°)	101.5	2.0	B0/110		
BM	(30°-60°)	627.7	12.4	B1/1000		
BH	(60°-80°)	620.2	12.2	B2/1000		G2/1000
BVH	(80°-90°)	92.3	1.8			G1/100
UL	(90°-100°)	56.5	1.1		U3/500	
UH	(100°-180°)	41.8	0.8		U2/50	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	6.7	6.2	6.7	6.7	6.2	5.6	5.0	4.5	3.9	2.8	2.2
5°	79.1	79.7	78.6	76.9	27.5	12.3	7.3	5.6	5.0	3.4	2.8
7.5°	90.9	90.3	89.8	88.7	84.7	79.7	43.2	10.1	7.9	4.5	2.8
10°	99.9	98.7	95.9	95.4	91.5	88.7	81.9	52.7	44.3	7.9	5.6
12.5°	181.8	177.9	174.5	144.2	101.0	95.4	91.5	79.7	78.0	49.9	74.6
15°	190.2	190.8	188.5	185.2	177.3	118.9	148.1	179.5	179.0	154.9	152.6
17.5°	216.0	214.3	205.9	197.5	194.7	211.5	209.8	200.3	200.3	177.3	167.8
20°	333.8	331.0	326.0	271.6	241.8	273.2	256.4	223.3	224.4	273.8	297.4
22.5°	386.6	385.5	375.4	351.2	342.3	301.3	337.8	349.6	342.8	346.7	332.2
25°	529.1	523.5	479.2	436.5	441.6	406.8	406.2	398.9	395.0	377.6	404.0
27.5°	673.3	668.8	658.7	598.7	510.0	490.4	459.0	501.0	489.8	530.2	539.2
30°	892.1	851.2	765.9	725.5	696.3	602.6	593.6	606.5	603.2	591.9	581.8
32.5°	1119.9	1103.1	1053.1	905.6	813.0	759.1	732.8	692.9	674.4	795.0	803.5
35°	1357.8	1342.1	1219.8	1133.9	975.2	887.6	873.0	878.6	854.0	912.9	898.8
37.5°	1776.4	1768.5	1645.6	1379.1	1213.1	1041.9	1021.7	1015.0	976.3	1018.9	1019.5
40°	2045.1	2032.2	1896.4	1700.1	1432.4	1289.9	1191.7	1153.0	1142.9	1145.2	1145.7
42.5°	2244.9	2224.1	2145.0	1964.3	1684.9	1517.7	1379.1	1304.5	1324.7	1285.4	1283.2
45°	2374.5	2363.3	2291.4	2140.5	1946.9	1863.9	1618.7	1450.4	1518.3	1448.1	1444.8
47.5°	2403.7	2398.6	2348.7	2272.9	2192.1	2157.3	1907.7	1650.1	1712.4	1681.6	1618.7
50°	2276.9	2281.3	2262.8	2290.3	2378.4	2418.2	2212.3	1915.0	1949.2	1875.7	1795.4
52.5°	1999.7	1999.1	2066.5	2188.2	2446.9	2606.2	2494.6	2190.4	2188.8	2055.8	1964.9
55°	1605.2	1635.5	1749.4	1938.5	2353.2	2692.6	2762.2	2493.4	2446.3	2266.2	2115.8
57.5°	1223.2	1262.4	1402.1	1573.8	2086.6	2631.5	2956.9	2756.6	2707.8	2455.8	2275.7
60°	827.6	842.7	1018.9	1217.5	1659.7	2396.4	3048.3	2993.9	2940.0	2649.4	2437.3
62.5°	551.5	565.0	666.0	907.8	1190.0	1947.5	2989.4	3194.2	3123.0	2878.3	2606.2
65°	366.9	366.9	416.9	584.1	809.6	1352.2	2731.3	3277.8	3213.3	3010.7	2756.0
67.5°	270.4	274.9	291.2	376.5	551.5	809.1	2172.5	3123.5	3130.3	3025.9	2803.7
70°	245.2	248.0	262.0	283.9	393.9	481.4	1435.8	2675.8	2791.9	2911.4	2742.5
72.5°	214.3	215.5	237.9	261.5	310.3	369.2	834.9	1944.7	2188.8	2662.3	2574.2
75°	179.5	181.2	199.2	234.5	268.2	309.7	444.4	1183.9	1426.8	2285.8	2351.5
77.5°	145.9	149.8	164.4	191.9	246.3	259.8	341.1	676.7	826.5	1702.3	1987.9
80°	112.2	116.1	129.0	150.9	201.4	229.5	283.3	416.3	501.0	1058.2	1389.2
82.5°	76.9	79.7	92.6	108.8	144.2	191.3	234.5	306.9	331.6	579.0	766.4
85°	54.4	56.1	64.5	71.8	89.8	125.7	195.8	243.5	250.2	306.9	312.0
87.5°	30.9	30.3	31.4	36.5	41.0	48.8	115.6	178.4	186.8	213.8	198.6
90°	21.3	20.8	17.4	16.8	19.1	20.8	65.6	142.0	149.2	172.3	176.7
92.5°	22.4	21.3	16.8	15.7	18.0	19.1	43.8	124.0	139.7	172.3	181.8
95°	21.3	20.2	15.1	13.5	16.3	16.8	26.9	85.3	110.0	161.0	177.9
97.5°	18.5	17.4	12.3	11.2	13.5	13.5	15.1	39.3	53.9	75.2	84.7
100°	15.1	14.0	10.1	9.0	9.5	10.1	9.5	19.6	19.6	20.8	16.3
102.5°	13.5	12.9	8.4	7.3	6.7	6.7	6.2	9.5	10.1	11.2	14.0
105°	11.8	11.2	7.3	6.2	5.0	5.0	4.5	6.2	6.7	9.5	13.5
107.5°	8.4	8.4	6.2	5.0	4.5	4.5	3.4	5.0	5.6	8.4	14.0
110°	5.6	5.6	4.5	4.5	3.9	4.5	3.4	5.0	5.0	6.7	10.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	4.5	4.5	3.9	3.4	2.8	3.4	3.9	4.5	4.5	5.0	6.7
115°	4.5	3.9	3.4	2.8	2.2	2.8	2.8	3.9	3.9	5.0	6.7
117.5°	4.5	4.5	3.4	2.8	2.2	2.2	2.8	3.4	3.4	5.0	7.3
120°	4.5	4.5	3.4	2.8	2.2	1.7	2.2	3.4	3.4	4.5	6.7
122.5°	4.5	4.5	3.4	2.8	2.2	1.7	2.2	2.8	2.8	3.9	6.7
125°	5.0	5.0	3.9	2.8	2.2	1.7	2.2	2.2	2.2	3.9	6.2
127.5°	5.0	5.0	3.9	2.8	2.2	1.7	2.2	2.2	2.2	3.4	5.0
130°	5.0	5.0	3.9	2.8	2.2	1.7	2.2	1.7	1.7	2.8	4.5
132.5°	5.0	4.5	3.9	3.4	2.8	2.2	2.2	1.7	1.7	1.7	3.4
135°	4.5	4.5	3.9	3.4	2.8	2.2	2.2	1.7	1.7	1.7	2.2
137.5°	4.5	4.5	4.5	3.9	3.4	2.8	2.2	1.7	1.7	1.7	1.7
140°	5.0	5.0	5.0	4.5	3.4	2.8	2.2	1.7	1.7	1.7	1.7
142.5°	5.6	5.6	5.6	5.0	3.4	2.8	2.8	1.7	1.7	1.7	1.7
145°	6.2	6.2	6.2	5.0	3.4	2.8	2.8	2.2	2.2	1.7	2.2
147.5°	6.7	6.7	6.2	5.0	2.8	2.2	2.2	2.2	2.2	2.2	2.2
150°	6.2	5.6	5.6	3.9	2.2	1.1	1.7	1.7	1.7	2.2	2.2
152.5°	4.5	4.5	3.9	2.8	1.7	0.6	1.1	1.1	1.7	1.7	1.7
155°	2.8	2.8	2.2	1.7	1.1	0.6	0.6	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	2.2	2.2	2.8	3.4	3.4	3.9	3.9	3.9	3.9	3.9	3.9
5°	2.2	2.2	2.8	3.4	3.9	4.5	5.0	5.0	5.0	5.6	5.6
7.5°	2.8	2.8	2.8	3.9	4.5	6.2	16.8	50.5	78.0	80.2	81.4
10°	5.6	5.6	5.6	5.6	12.3	71.8	89.2	93.1	95.4	97.1	97.1
12.5°	75.2	74.6	26.9	13.5	61.7	93.1	98.7	101.6	103.8	105.5	106.0
15°	152.6	153.2	153.2	154.9	112.2	101.6	107.2	158.2	187.4	193.0	195.3
17.5°	167.2	167.2	166.6	185.7	208.7	165.0	184.0	200.9	206.5	209.3	210.4
20°	305.2	304.7	245.8	213.2	220.5	273.8	205.9	213.8	218.3	260.3	261.5
22.5°	336.6	335.0	327.7	329.4	259.8	296.2	282.2	273.8	300.2	299.1	300.2
25°	413.5	373.1	357.4	354.0	376.5	308.0	327.1	283.3	290.1	289.0	290.1
27.5°	541.4	526.9	490.4	414.6	401.2	380.4	327.7	297.4	334.4	342.8	343.9
30°	580.7	562.2	523.5	526.9	447.2	387.1	319.3	329.4	316.4	315.3	313.1
32.5°	796.2	772.0	713.7	574.5	498.2	363.6	320.9	299.6	306.3	328.8	329.9
35°	887.1	859.6	818.6	733.3	483.1	356.8	293.4	292.3	296.8	297.4	296.2
37.5°	990.3	954.4	915.7	772.6	504.4	323.2	273.8	274.4	284.5	304.1	301.9
40°	1110.4	1070.5	1007.7	795.6	452.8	303.0	260.9	269.3	280.0	275.5	271.6
42.5°	1245.6	1180.5	1081.8	791.1	393.9	279.4	257.5	263.1	261.5	253.0	250.8
45°	1385.3	1316.3	1154.1	753.5	340.6	264.3	251.4	253.0	246.3	235.7	233.4
47.5°	1546.3	1455.4	1195.1	698.5	297.9	263.1	249.7	244.1	231.2	221.6	221.1
50°	1708.5	1609.2	1259.1	625.0	266.0	258.7	253.6	241.8	226.1	216.6	215.5
52.5°	1867.3	1780.3	1328.1	563.3	241.8	253.6	255.3	242.9	226.1	212.1	211.5
55°	2026.6	1950.3	1402.7	514.5	225.6	253.0	261.5	246.3	229.5	208.7	208.2
57.5°	2186.5	2112.5	1474.5	482.0	218.3	245.8	265.4	257.0	238.5	221.1	222.2
60°	2376.2	2288.6	1559.2	459.0	215.5	241.8	268.8	269.3	244.1	224.4	227.2
62.5°	2562.4	2473.8	1631.1	437.6	208.2	237.9	270.4	278.9	256.4	239.6	242.4
65°	2735.8	2630.3	1664.2	396.7	199.2	233.4	280.5	287.3	266.0	264.3	267.6
67.5°	2802.0	2703.8	1631.6	345.6	193.6	233.4	291.2	299.1	276.1	285.0	294.0
70°	2738.1	2656.1	1549.7	281.7	195.3	235.1	292.9	304.7	290.6	297.9	305.8
72.5°	2539.4	2435.1	1350.5	226.7	195.3	232.8	285.6	295.7	285.0	309.2	317.0
75°	2288.6	2106.8	1075.0	186.8	189.6	231.7	268.8	280.5	269.9	295.1	303.5
77.5°	1890.3	1657.4	743.4	165.0	181.8	221.6	251.4	253.6	242.9	258.1	262.0
80°	1333.1	1117.1	470.7	149.2	173.9	200.3	222.7	218.8	208.2	211.0	214.3
82.5°	743.4	590.8	274.4	137.5	163.3	166.6	182.4	183.5	169.4	170.0	170.6
85°	295.1	273.2	185.7	115.6	131.9	120.1	136.3	142.0	128.5	112.8	109.4
87.5°	195.8	185.7	129.6	79.1	80.8	67.9	88.7	92.0	75.7	65.6	65.1
90°	186.3	180.7	111.7	53.3	44.9	37.0	49.4	47.7	36.5	32.0	32.5
92.5°	191.9	188.5	113.3	51.1	43.8	35.3	43.8	37.6	27.5	24.1	24.7
95°	189.1	187.4	110.5	49.9	41.5	32.5	37.0	30.3	21.3	19.1	19.1
97.5°	89.8	94.8	68.5	44.9	37.0	27.5	28.6	23.0	15.1	14.0	13.5
100°	13.5	21.3	37.0	41.5	27.5	19.1	18.5	15.1	9.5	9.0	9.0
102.5°	14.0	15.1	23.0	28.6	15.1	10.1	10.1	9.0	7.3	8.4	8.4
105°	15.1	14.0	13.5	15.7	9.0	6.2	5.6	5.6	6.2	9.0	9.5
107.5°	16.3	15.1	10.7	8.4	6.7	5.6	4.5	3.9	5.6	9.5	10.1
110°	12.3	11.8	9.0	6.7	6.7	6.2	3.9	3.9	6.2	10.1	11.2



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.3	8.4	7.9	6.2	5.6	5.6	3.9	3.9	6.2	10.7	11.8
115°	7.9	7.9	6.7	5.0	4.5	4.5	3.9	3.4	6.2	11.2	11.8
117.5°	7.9	7.9	6.7	5.0	3.9	3.4	3.4	3.4	6.2	11.2	11.8
120°	7.9	7.9	6.7	4.5	3.9	3.4	3.4	3.4	6.2	10.7	11.8
122.5°	7.3	7.3	6.2	4.5	3.4	3.4	3.4	3.4	6.2	10.1	10.7
125°	6.7	6.7	5.6	3.9	3.4	2.8	3.4	3.4	5.6	9.0	9.5
127.5°	5.6	6.2	5.0	3.9	3.4	2.8	3.4	3.4	5.0	7.9	8.4
130°	5.0	5.0	4.5	3.4	2.8	2.8	3.4	3.4	5.0	7.3	7.9
132.5°	3.9	3.9	3.4	3.4	2.8	2.8	2.8	2.8	3.9	6.2	6.2
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.4	4.5	5.0
137.5°	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.9	3.9
140°	1.7	2.2	2.2	2.8	2.8	2.8	2.8	2.8	2.8	3.4	3.4
142.5°	1.7	2.2	2.2	2.8	2.8	2.8	2.8	2.8	3.4	3.9	3.9
145°	2.2	2.2	2.8	2.8	2.8	2.2	2.8	2.8	3.4	3.9	3.9
147.5°	2.2	2.2	2.8	2.8	2.8	2.2	2.2	2.8	3.4	3.9	3.9
150°	2.2	2.2	2.8	2.8	2.2	1.7	2.2	2.2	2.8	3.9	3.9
152.5°	2.2	2.2	2.2	2.2	1.7	1.1	1.7	1.7	2.2	2.8	2.8
155°	1.7	1.7	1.7	1.7	1.7	1.1	1.1	1.1	1.7	1.7	2.2
157.5°	1.1	1.1	1.1	1.7	1.1	1.1	0.6	0.6	0.6	1.1	1.1
160°	0.6	0.6	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6
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)