

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: P414999

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3956 lumens
Efficiency: N/A
Efficacy: 98.9 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: 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

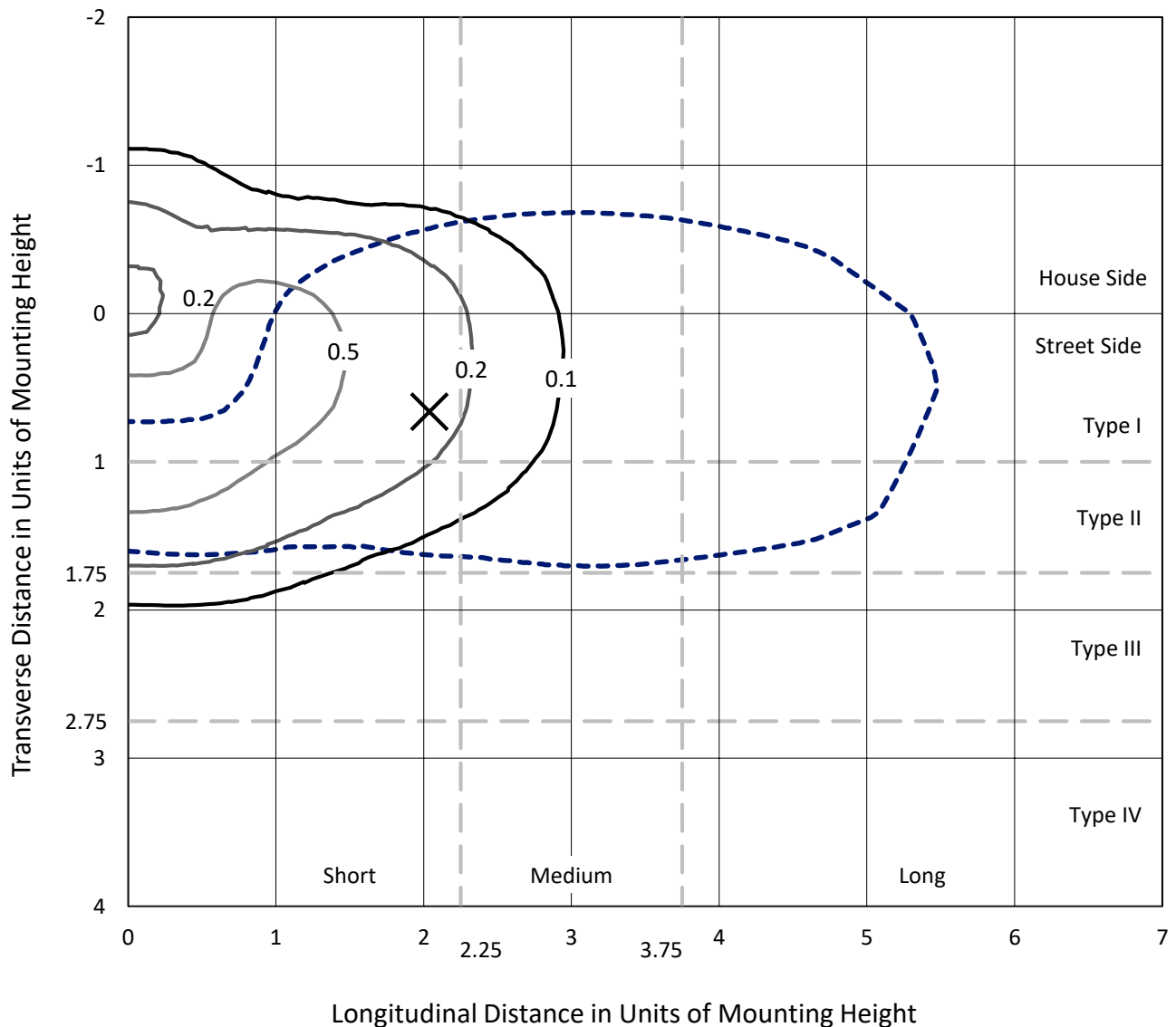


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

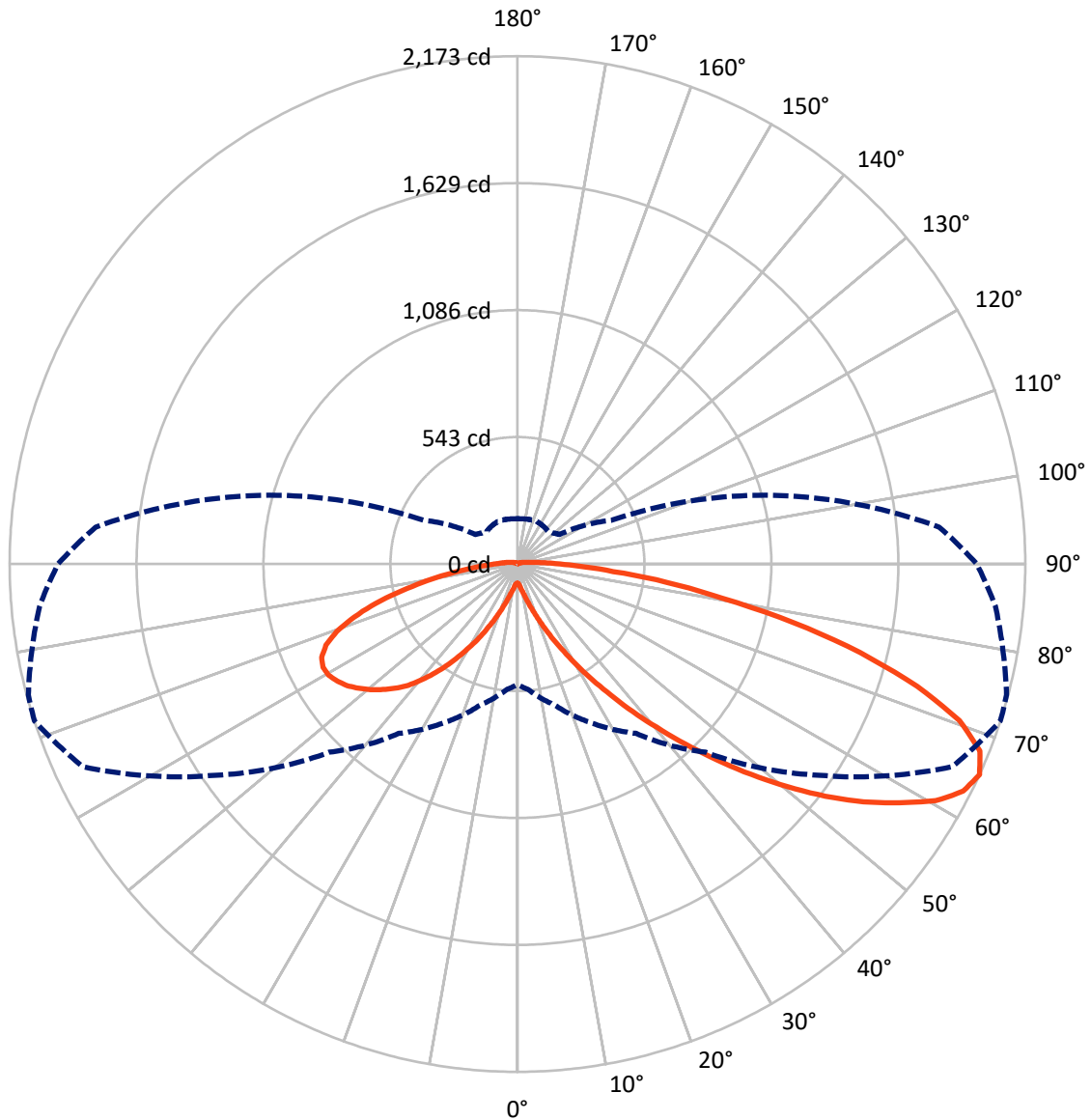


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.4	56.1	1171.5
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	2729.8	54.7	2784.5
	% Fixture	69.0	1.4	70.4
Total	Lumens	3845.1	110.9	3956.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.2
10°-20°	47.8	1.2
20°-30°	151.6	3.8
30°-40°	363.3	9.2
40°-50°	670.7	17.0
50°-60°	913.9	23.1
60°-70°	891.0	22.5
70°-80°	581.9	14.7
80°-90°	215.6	5.4
90°-100°	59.9	1.5
100°-110°	25.1	0.6
110°-120°	12.6	0.3
120°-130°	7.2	0.2
130°-140°	4.0	0.1
140°-150°	1.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3845.1	97.2
0°-180°	3956.0	100.0



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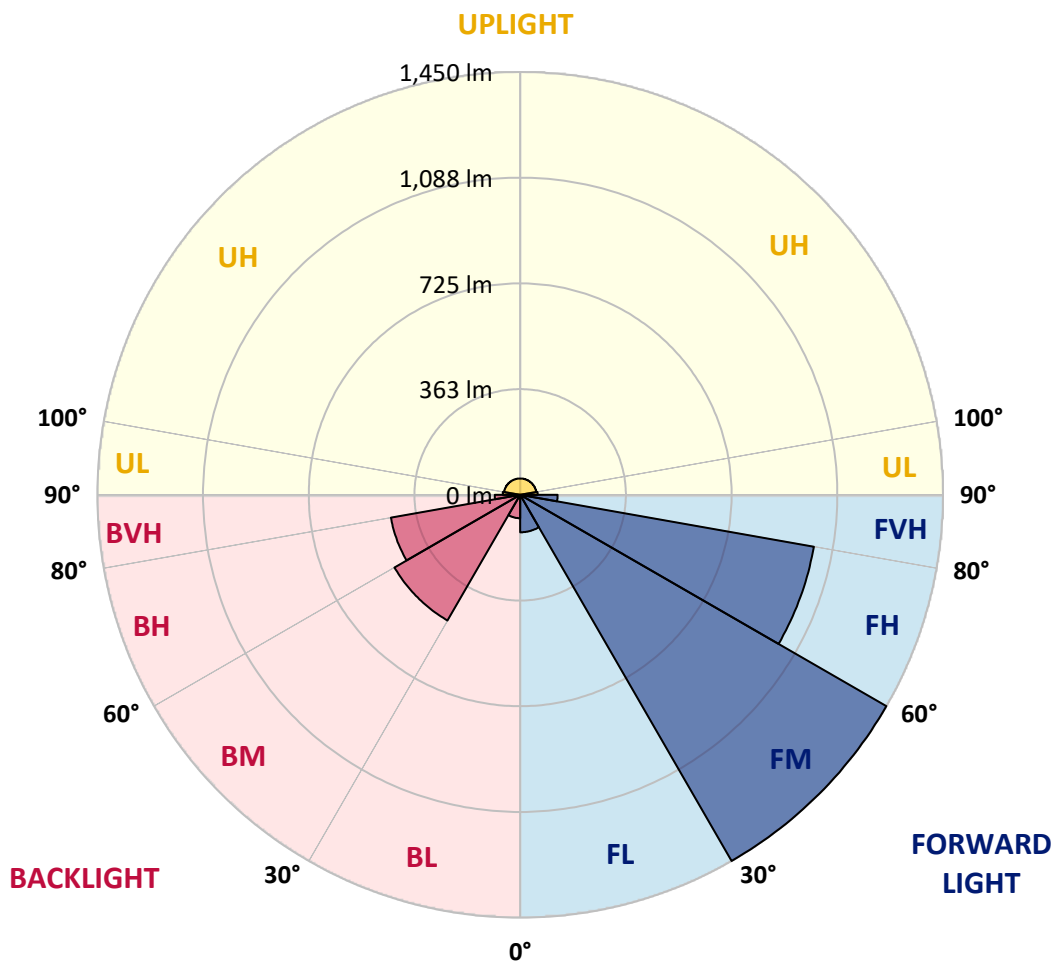
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.5	3.2			
FM	(30°-60°)	1450.0	36.7			
FH	(60°-80°)	1022.9	25.9			G1/1800
FVH	(80°-90°)	128.3	3.2			G2/225
BL	(0°-30°)	80.3	2.0	B0/110		
BM	(30°-60°)	497.8	12.6	B1/1000		
BH	(60°-80°)	450.0	11.4	B1/500		G1/500
BVH	(80°-90°)	87.2	2.2			G1/100
UL	(90°-100°)	59.9	1.5		U3/500	
UH	(100°-180°)	56.1	1.4		U3/500	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	91.1	90.7	89.7	89.3	89.3	88.4	87.5	86.1	85.2	84.7	83.8
5°	103.0	102.1	101.2	100.3	99.4	98.0	95.7	94.3	92.5	92.0	90.2
7.5°	120.0	119.0	116.3	115.4	114.0	112.2	109.4	106.7	104.9	103.5	100.7
10°	142.4	141.5	139.7	137.4	134.6	131.0	126.4	123.6	119.0	120.0	115.8
12.5°	173.1	170.8	168.5	164.8	159.3	155.2	148.8	146.1	141.0	141.0	136.0
15°	210.2	209.7	205.1	197.3	192.3	183.6	178.1	172.2	169.0	169.0	164.8
17.5°	258.2	255.0	251.4	240.8	229.4	218.9	211.5	207.4	203.8	202.8	197.3
20°	317.8	313.2	307.7	288.9	275.2	262.4	251.8	248.6	245.9	245.4	240.8
22.5°	393.3	383.7	373.6	355.3	333.3	310.9	303.6	296.2	296.7	297.6	287.1
25°	477.1	474.4	456.5	430.4	401.6	376.8	356.7	353.9	356.7	354.8	350.7
27.5°	584.7	575.5	553.1	519.7	473.9	445.0	423.5	421.7	422.2	424.4	417.6
30°	710.2	705.6	677.2	621.3	562.3	523.8	500.5	497.2	502.7	503.2	492.7
32.5°	858.0	848.9	805.4	743.1	662.5	613.5	587.0	586.1	592.0	593.4	585.2
35°	1007.8	1003.2	960.2	870.9	782.5	708.3	681.3	683.1	687.3	695.5	685.9
37.5°	1180.4	1168.0	1112.6	1018.3	906.6	817.8	788.9	795.3	801.7	801.7	788.5
40°	1343.4	1338.8	1280.7	1162.1	1028.4	946.0	914.4	918.0	917.6	918.0	900.6
42.5°	1494.5	1478.9	1427.6	1301.7	1163.9	1080.1	1042.1	1048.1	1053.6	1057.7	1013.7
45°	1596.6	1583.3	1538.0	1413.9	1292.1	1212.9	1188.2	1188.2	1194.6	1192.8	1149.3
47.5°	1632.8	1630.9	1597.1	1502.7	1391.0	1329.7	1331.0	1336.1	1345.7	1337.0	1274.7
50°	1615.8	1608.5	1602.5	1549.9	1473.0	1443.7	1471.1	1496.8	1497.7	1482.1	1402.9
52.5°	1509.6	1510.5	1540.7	1531.1	1495.9	1525.6	1609.4	1654.7	1650.6	1635.5	1540.3
55°	1348.0	1355.3	1408.0	1448.2	1469.8	1552.2	1712.0	1805.8	1796.7	1775.6	1679.0
57.5°	1132.8	1156.6	1227.1	1315.0	1391.9	1527.5	1767.8	1936.8	1927.2	1927.2	1817.3
60°	903.8	923.1	1027.0	1134.1	1255.5	1444.1	1773.3	2032.9	2056.3	2041.6	1915.3
62.5°	701.0	709.2	816.8	951.9	1081.9	1304.0	1710.1	2078.7	2140.5	2128.2	2003.2
65°	516.0	539.4	626.4	750.0	884.6	1138.7	1575.1	2051.7	2172.6	2166.2	2051.7
67.5°	383.7	394.2	467.0	581.5	714.7	933.1	1378.2	1933.6	2134.1	2139.6	2044.4
70°	287.5	290.3	347.1	441.4	554.9	736.3	1148.8	1744.9	2006.4	2031.1	1978.9
72.5°	217.5	222.5	269.7	343.9	428.1	566.8	908.0	1488.5	1788.4	1849.8	1830.1
75°	170.3	176.3	208.8	266.0	331.0	429.0	687.3	1185.4	1515.1	1594.3	1616.3
77.5°	134.6	141.0	168.5	212.5	258.2	331.0	505.0	886.9	1210.2	1289.4	1353.5
80°	105.8	110.3	134.6	167.1	203.3	244.5	353.9	644.7	888.7	987.6	1046.2
82.5°	80.6	85.6	104.4	131.9	159.3	186.8	252.7	438.6	644.7	689.6	789.4
85°	58.6	63.2	78.8	101.2	122.7	144.7	185.0	292.6	410.7	464.3	514.6
87.5°	43.0	44.9	58.6	75.1	94.3	109.4	133.2	186.8	261.0	287.5	329.7
90°	30.2	32.1	43.0	55.4	71.4	85.6	98.0	123.6	162.5	186.4	194.1
92.5°	22.4	23.8	32.1	41.7	54.9	66.4	74.2	87.5	105.8	115.8	122.3
95°	16.9	18.3	25.2	33.0	42.6	52.2	58.1	63.2	73.7	76.5	82.0
97.5°	13.7	14.7	20.6	27.0	34.3	43.0	46.2	49.0	52.7	55.4	57.7
100°	11.9	12.4	17.4	22.9	29.3	34.8	37.5	38.9	41.2	42.1	43.0
102.5°	10.5	10.5	15.1	19.7	25.2	29.3	31.6	31.6	32.1	32.5	32.1
105°	9.2	9.6	13.3	17.4	21.5	25.2	27.0	26.1	25.6	25.2	23.8
107.5°	8.7	8.7	11.9	15.6	19.2	22.0	23.4	21.5	20.6	19.7	18.3
110°	7.8	8.2	10.5	13.7	16.9	19.2	20.1	18.3	16.5	15.6	14.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.3	7.8	9.6	12.4	15.1	17.4	17.4	15.6	13.3	12.4	11.4
115°	7.3	7.3	8.7	11.0	13.7	15.6	15.6	13.3	11.0	10.1	9.6
117.5°	7.3	7.3	8.2	10.1	12.4	13.7	13.7	11.4	9.2	8.2	8.2
120°	6.9	6.9	7.8	9.2	11.4	12.4	11.9	10.1	7.8	7.3	7.3
122.5°	6.9	6.9	7.3	8.7	10.5	11.4	11.0	8.7	6.9	6.0	6.4
125°	7.3	6.9	7.3	8.2	9.6	10.1	9.6	7.3	6.0	5.5	6.0
127.5°	7.3	7.3	6.9	7.8	8.7	9.2	8.7	6.4	5.0	5.0	5.5
130°	7.3	7.3	6.9	7.3	7.8	8.2	7.3	5.5	4.6	4.6	5.0
132.5°	7.3	7.3	6.9	6.9	7.3	7.3	6.4	4.6	4.1	4.1	4.6
135°	7.3	7.3	6.4	6.4	6.4	6.4	5.5	4.1	3.7	3.7	4.1
137.5°	6.9	6.9	6.4	6.0	6.0	5.5	4.6	3.2	2.7	3.2	3.7
140°	6.4	6.4	6.0	5.0	5.0	4.6	3.7	2.7	2.3	2.7	2.7
142.5°	6.0	6.0	5.5	4.6	4.1	3.7	3.2	1.8	1.8	1.8	2.3
145°	5.5	5.5	5.0	3.7	3.2	2.7	2.3	1.4	1.4	1.4	1.8
147.5°	4.6	4.6	4.1	3.2	2.3	2.3	1.4	0.9	1.4	1.4	1.4
150°	3.7	3.7	3.2	2.3	1.8	1.4	0.5	0.9	0.9	0.9	1.4
152.5°	3.2	3.2	2.3	1.8	0.9	0.5	0.5	0.5	0.9	0.9	0.9
155°	2.3	2.3	1.8	0.9	0.5	0.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.4	1.4	0.9	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2.5°	82.9	82.9	82.4	82.0	81.5	81.0	80.1	79.7	79.7	79.2	79.2
5°	89.3	88.8	87.5	86.1	84.2	83.3	82.0	81.0	80.6	80.1	80.1
7.5°	99.4	98.4	95.7	93.4	91.1	89.3	87.0	85.6	85.2	83.8	84.2
10°	113.6	112.2	109.0	104.9	100.7	98.0	94.8	92.9	92.0	91.1	90.2
12.5°	134.2	131.4	125.9	120.4	114.5	109.0	105.8	104.4	105.3	104.9	105.3
15°	162.5	157.5	149.3	141.0	130.5	123.6	122.7	122.3	122.3	122.7	123.6
17.5°	194.6	189.1	178.6	163.5	151.1	144.2	140.1	139.7	141.9	142.4	141.9
20°	236.7	231.2	214.7	194.1	176.3	165.3	159.8	159.8	163.0	163.9	165.7
22.5°	282.0	278.8	256.4	228.0	204.2	186.4	178.6	179.5	184.1	185.4	186.4
25°	345.2	332.4	304.9	266.0	231.7	207.9	197.3	197.8	202.8	206.5	207.9
27.5°	414.8	400.2	359.9	309.1	259.2	225.7	213.8	214.3	220.2	224.8	225.7
30°	489.5	474.8	422.2	351.6	284.8	241.8	225.7	226.2	233.1	238.1	239.0
32.5°	569.1	557.2	483.5	397.4	307.2	252.7	233.5	234.0	239.9	244.5	245.4
35°	669.9	642.8	556.3	438.2	326.0	259.6	237.2	236.7	242.7	247.2	248.2
37.5°	769.2	740.4	625.5	476.2	337.0	261.4	236.3	236.3	240.8	244.5	245.0
40°	877.3	829.2	698.3	505.9	341.1	258.7	233.5	233.1	236.7	238.6	239.0
42.5°	993.6	934.5	769.7	529.8	339.3	252.7	228.5	228.9	230.3	230.3	229.9
45°	1098.4	1038.4	831.0	545.3	332.9	245.0	222.5	223.0	223.4	219.8	219.8
47.5°	1221.6	1148.8	888.7	549.0	320.1	237.2	217.9	218.9	216.6	211.5	210.6
50°	1338.4	1257.3	946.9	547.6	306.8	228.9	213.4	214.3	210.2	203.3	201.9
52.5°	1468.4	1364.5	1001.8	540.7	290.7	221.6	210.2	211.1	206.5	198.3	196.9
55°	1596.6	1478.0	1052.2	528.8	277.0	213.8	207.0	209.2	203.3	195.1	194.6
57.5°	1718.8	1590.6	1093.9	511.4	262.4	208.3	204.7	207.4	201.9	193.7	193.2
60°	1827.8	1686.3	1127.3	494.5	246.3	202.8	202.4	206.0	201.0	194.1	193.7
62.5°	1904.3	1772.4	1142.4	471.6	233.5	196.9	199.6	203.3	199.6	194.1	194.1
65°	1965.2	1810.9	1136.4	441.4	219.8	190.5	196.0	199.6	197.3	193.7	194.1
67.5°	1953.7	1810.0	1097.5	405.2	207.0	183.6	189.6	194.6	192.8	191.4	190.9
70°	1883.2	1724.3	1022.9	365.8	193.7	174.9	181.8	186.8	186.4	185.9	185.9
72.5°	1738.1	1576.0	911.2	320.5	179.9	165.7	171.7	176.3	177.2	176.7	175.4
75°	1548.5	1371.8	781.6	277.9	165.7	154.8	161.2	163.9	165.3	164.4	164.4
77.5°	1270.6	1143.8	621.3	234.9	150.6	142.4	147.0	149.3	151.1	148.8	147.4
80°	1009.6	870.0	478.0	191.8	134.2	128.7	131.0	131.9	133.7	131.4	128.7
82.5°	708.8	620.0	346.6	156.6	117.7	113.1	114.5	114.0	114.9	111.7	108.1
85°	473.4	416.7	238.6	125.9	100.7	96.6	96.6	95.2	94.3	91.1	88.4
87.5°	297.2	263.7	163.9	99.4	84.7	81.5	79.7	76.9	76.0	73.7	70.5
90°	183.1	168.5	114.5	79.7	70.5	67.8	65.9	61.8	61.4	57.7	55.4
92.5°	120.0	109.9	84.7	64.6	59.1	56.3	54.0	50.4	49.9	47.2	45.8
95°	79.2	76.9	64.6	54.0	49.9	47.6	45.3	42.1	41.2	38.5	36.6
97.5°	58.1	58.1	53.1	45.8	42.6	40.3	38.9	36.2	34.3	31.6	30.7
100°	44.0	44.4	42.6	39.4	36.6	34.3	33.0	30.7	29.3	26.6	26.1
102.5°	33.9	34.8	35.3	33.4	31.6	29.8	28.4	26.6	24.7	22.0	21.5
105°	26.1	27.0	28.8	28.4	27.5	26.1	24.7	22.9	20.6	18.3	18.3
107.5°	20.1	21.1	23.8	24.3	23.8	22.4	21.5	19.7	17.9	15.6	15.6
110°	15.6	16.9	19.7	20.6	20.6	19.7	18.8	16.9	14.7	13.3	13.3



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CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.8	14.2	16.5	17.9	17.9	17.4	16.0	14.2	12.4	11.4	11.4
115°	10.5	11.9	14.2	15.6	15.6	15.1	14.2	12.4	10.5	10.1	10.1
117.5°	9.2	10.1	11.9	13.3	13.7	13.3	12.4	10.5	9.2	9.2	9.2
120°	8.2	9.2	10.5	11.4	11.9	11.4	10.5	9.2	7.8	8.2	8.2
122.5°	7.3	7.8	9.2	10.5	10.5	10.5	9.6	7.8	6.9	7.3	7.3
125°	6.4	7.3	8.2	9.2	9.6	9.2	8.2	6.9	6.0	6.4	6.9
127.5°	6.0	6.4	7.3	8.2	8.2	8.2	7.3	6.0	5.5	6.0	6.0
130°	5.5	6.0	6.4	7.3	7.3	7.3	6.4	5.0	5.0	5.5	5.5
132.5°	5.0	5.5	6.0	6.4	6.4	6.4	5.5	4.6	4.1	5.0	5.0
135°	4.6	4.6	5.0	5.5	5.5	5.5	4.6	3.7	3.7	4.6	4.6
137.5°	3.7	4.1	4.6	4.6	4.6	4.6	3.7	3.2	3.2	3.7	3.7
140°	3.2	3.2	3.7	3.7	3.7	3.7	3.2	2.3	2.7	3.2	3.2
142.5°	2.7	2.7	3.2	3.2	3.2	2.7	2.3	1.8	2.3	2.7	2.7
145°	1.8	2.3	2.3	2.3	2.3	1.8	1.4	1.4	1.8	2.3	2.3
147.5°	1.8	1.8	1.8	1.8	1.8	1.4	0.9	0.9	1.4	1.8	1.8
150°	1.4	1.4	1.8	1.8	1.4	0.9	0.5	0.5	0.9	1.4	1.4
152.5°	0.9	0.9	1.4	1.4	0.9	0.5	0.0	0.0	0.5	0.5	0.5
155°	0.9	0.9	0.9	0.9	0.9	0.5	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.9	0.9	0.5	0.5	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.5	0.5	0.5	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)