

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: P414820

Luminaire Tested: **LXF.LXT-PA1-30-827-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2723 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

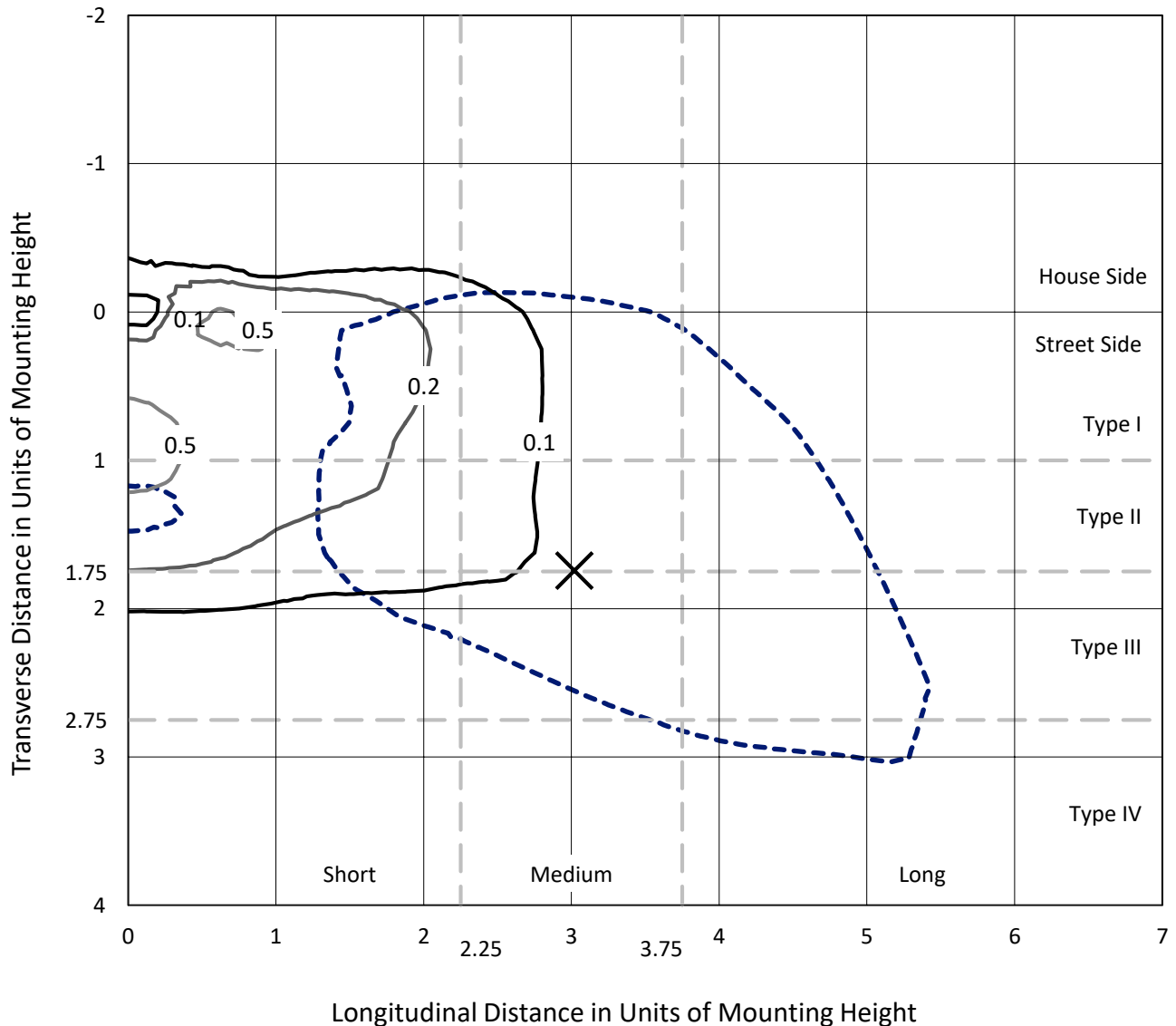
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

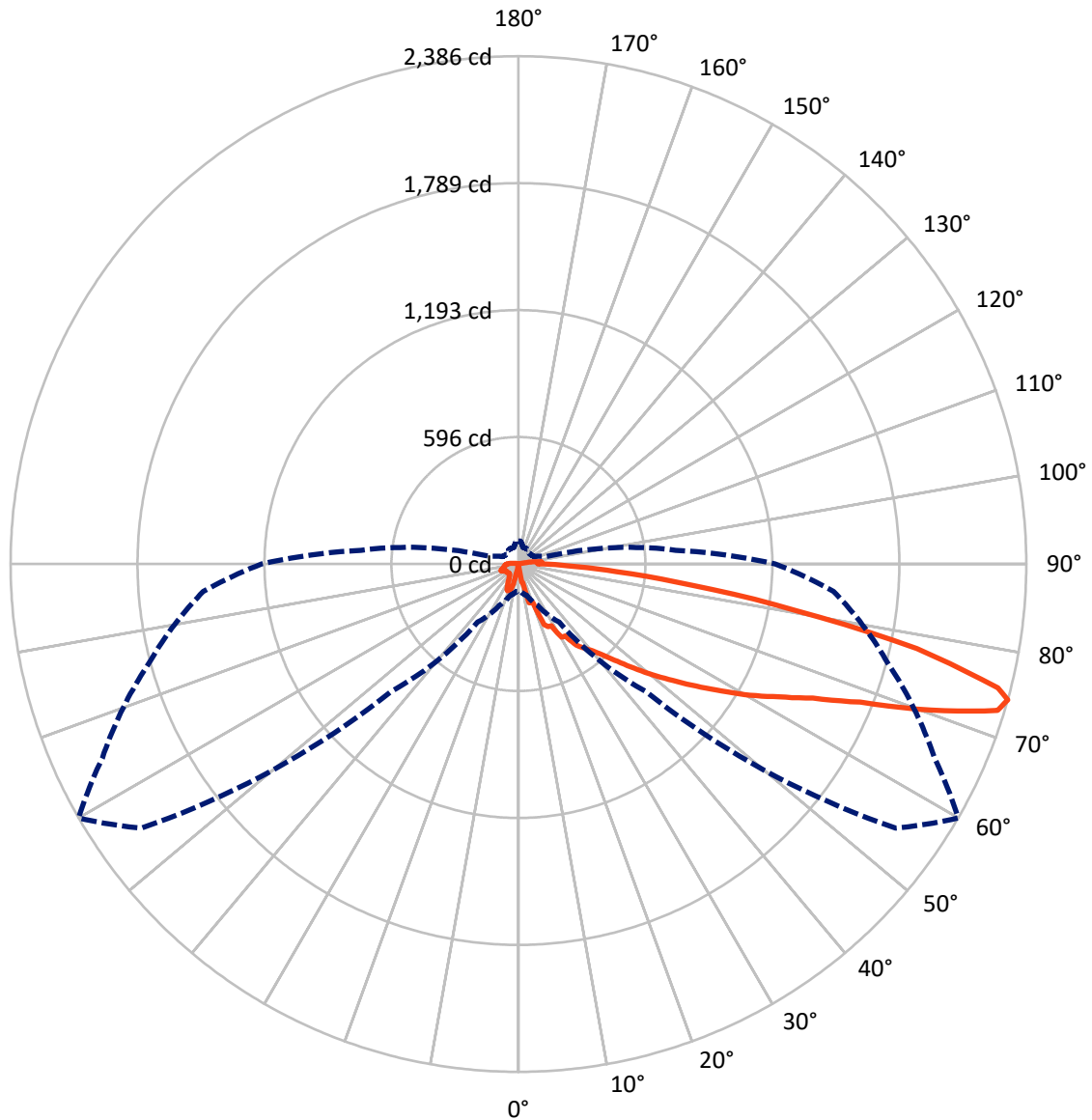
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.9	26.5	444.4
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	2250.3	28.4	2278.6
	% Fixture	82.6	1.0	83.7
Total	Lumens	2668.2	54.8	2723.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	34.8	1.3
20°-30°	105.3	3.9
30°-40°	210.8	7.7
40°-50°	361.6	13.3
50°-60°	551.2	20.2
60°-70°	679.1	24.9
70°-80°	567.8	20.9
80°-90°	154.6	5.7
90°-100°	39.9	1.5
100°-110°	7.2	0.3
110°-120°	2.7	0.1
120°-130°	2.0	0.1
130°-140°	1.4	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2668.2	98.0
0°-180°	2723.0	100.0



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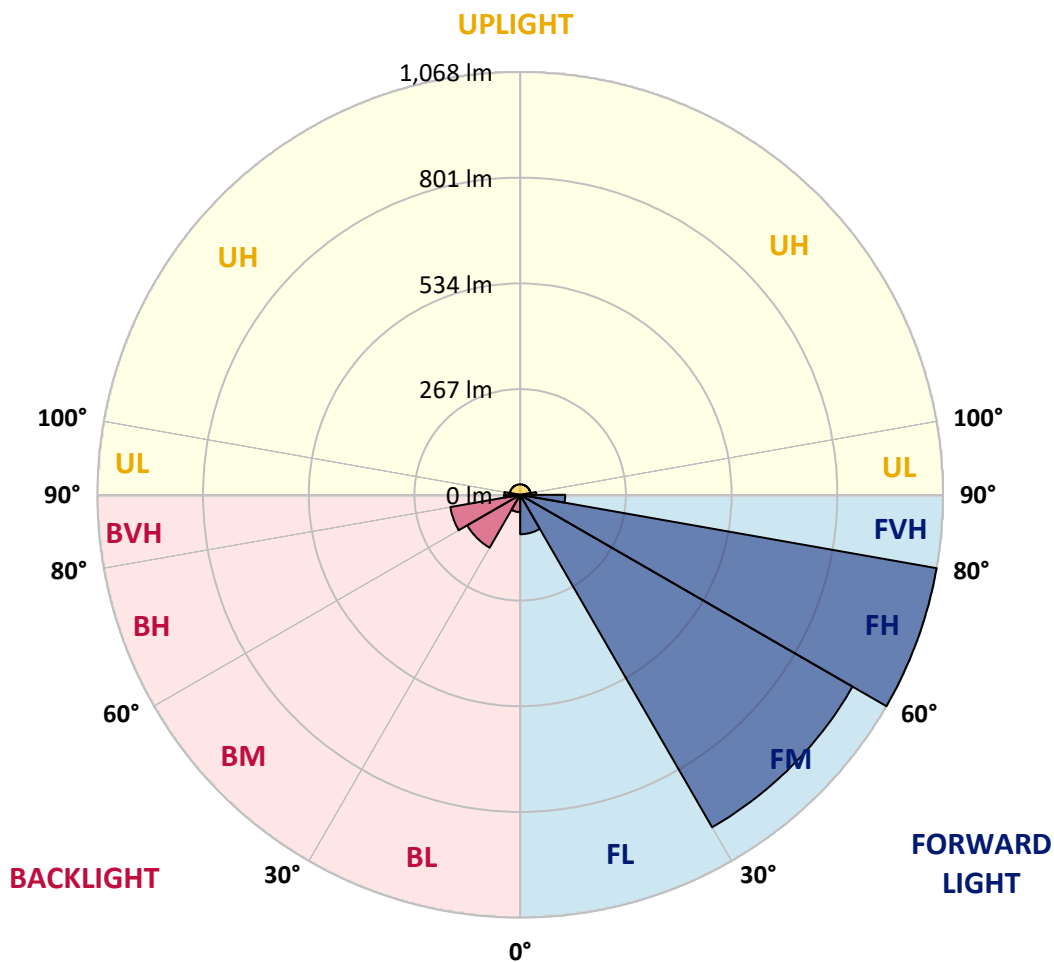
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	99.4	3.7			
FM	(30°-60°)	969.4	35.6			
FH	(60°-80°)	1067.8	39.2			G1/1800
FVH	(80°-90°)	113.7	4.2			G2/225
BL	(0°-30°)	43.7	1.6	B0/110		
BM	(30°-60°)	154.2	5.7	B0/220		
BH	(60°-80°)	179.1	6.6	B1/500		G1/500
BVH	(80°-90°)	41.0	1.5			G1/100
UL	(90°-100°)	39.9	1.5		U2/50	
UH	(100°-180°)	26.5	1.0		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.4	3.1	2.8	3.1	3.4	3.1	2.5	2.2	1.9	1.9	1.9
5°	90.8	89.5	88.9	69.3	16.5	10.3	4.0	2.8	2.5	1.9	1.9
7.5°	92.0	90.8	91.1	90.8	89.2	89.2	28.9	10.6	5.9	2.2	2.2
10°	97.0	95.1	92.6	92.3	91.7	90.8	89.2	87.3	19.9	3.4	3.1
12.5°	179.0	178.1	176.9	136.5	98.8	92.0	91.1	88.9	68.4	13.1	60.3
15°	177.8	177.5	175.3	176.2	175.9	100.1	113.5	189.3	181.8	131.8	152.0
17.5°	186.5	185.6	179.0	175.0	175.3	199.9	185.6	186.8	187.4	166.6	162.9
20°	253.0	251.5	250.8	243.7	178.1	234.7	239.3	194.0	198.6	258.6	289.1
22.5°	256.1	254.0	251.5	249.6	281.0	233.8	253.0	309.0	295.0	342.2	322.7
25°	346.0	340.1	315.5	255.5	280.7	269.2	327.3	325.8	308.4	357.2	345.0
27.5°	374.6	370.5	352.5	338.8	286.3	322.3	325.5	328.9	387.9	492.7	459.1
30°	501.7	470.3	389.2	380.8	341.6	325.1	372.1	398.8	436.4	494.9	485.5
32.5°	574.4	559.2	520.0	460.0	400.1	355.6	403.5	403.5	438.6	598.1	613.9
35°	692.2	643.1	566.7	525.9	456.3	425.5	415.9	468.4	518.5	628.2	627.3
37.5°	734.8	730.2	701.6	576.6	536.5	462.8	484.9	501.1	543.3	671.7	669.9
40°	758.1	768.4	770.6	686.0	595.9	534.6	526.9	535.9	576.6	733.0	709.3
42.5°	837.1	840.8	852.3	756.0	684.8	613.0	591.2	587.5	615.8	804.1	761.6
45°	964.5	966.4	958.0	836.5	757.2	690.7	666.4	652.1	677.0	874.7	827.8
47.5°	1110.6	1115.0	1074.6	927.5	823.1	765.6	752.5	730.5	746.3	938.4	910.1
50°	1226.9	1225.6	1153.5	1001.2	889.6	842.4	838.3	817.8	819.7	1015.8	999.0
52.5°	1257.0	1255.2	1193.6	1055.6	950.2	922.3	940.6	908.9	892.4	1096.0	1091.4
55°	1211.7	1215.1	1186.2	1078.3	988.8	992.5	1040.1	1012.7	990.3	1171.9	1179.3
57.5°	1146.1	1142.0	1146.4	1087.0	1018.9	1061.2	1158.5	1124.3	1102.9	1257.7	1266.1
60°	1024.5	1018.9	1075.2	1077.7	1046.9	1138.9	1284.4	1251.1	1221.0	1348.1	1339.1
62.5°	839.6	832.4	934.1	1020.5	1078.9	1230.0	1408.7	1372.7	1343.5	1444.2	1427.1
65°	558.9	592.8	711.8	895.5	1067.1	1361.2	1573.2	1519.1	1465.9	1542.7	1539.6
67.5°	324.2	348.5	435.8	636.9	969.8	1473.4	1834.0	1731.4	1639.7	1654.3	1647.1
70°	201.1	208.6	246.5	367.4	683.5	1436.4	2123.0	2056.8	1862.6	1778.6	1663.9
72.5°	156.0	161.0	182.8	240.0	415.6	1110.9	2260.4	2353.4	2087.6	1811.3	1581.2
74°	127.8	130.9	153.6	214.8	333.5	847.0	2162.8	2385.7	2156.6	1795.4	1486.1
75°	101.0	104.1	129.6	206.1	317.1	675.8	2018.3	2325.7	2158.8	1770.9	1371.4
77.5°	61.9	64.0	69.9	142.4	288.1	386.1	1489.2	1914.5	1913.2	1470.6	983.5
80°	49.1	49.7	52.2	74.9	234.7	350.0	943.1	1321.4	1311.7	882.8	503.9
82.5°	33.9	36.4	41.3	48.5	125.0	342.9	594.6	820.9	708.1	336.0	210.7
85°	22.7	24.6	31.4	36.1	66.8	364.9	426.8	461.9	348.5	166.3	138.9
87.5°	9.3	9.6	14.3	17.4	27.0	175.0	287.2	228.8	160.4	105.4	113.1
90°	5.0	5.0	3.7	4.0	9.9	37.6	93.9	91.1	75.5	86.7	106.3
92.5°	5.6	5.6	3.7	4.0	9.6	29.5	101.6	103.8	86.7	92.3	113.8
95°	6.2	6.2	3.7	3.7	9.3	20.2	97.6	109.7	89.2	97.0	114.7
97.5°	6.8	7.1	3.4	3.4	7.5	15.2	61.2	74.9	58.1	50.4	55.0
100°	7.1	7.1	3.1	3.1	5.0	10.9	28.3	36.1	28.0	13.1	9.0
102.5°	7.1	7.5	3.1	2.8	3.4	6.8	9.0	13.1	10.3	7.8	8.4
105°	6.8	7.5	3.1	2.8	2.8	3.7	4.7	5.3	5.6	5.6	8.7
107.5°	5.3	5.9	2.5	2.8	2.5	2.5	1.9	2.2	2.8	5.0	8.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.7	3.7	1.9	2.5	2.2	2.5	1.6	1.9	2.5	3.7	7.1
112.5°	1.9	1.6	1.2	1.9	1.9	2.2	1.6	1.6	2.2	3.1	5.0
115°	1.2	1.6	0.9	1.2	1.6	1.6	1.2	1.6	1.9	3.1	5.3
117.5°	1.2	1.2	0.9	1.2	1.6	1.2	1.2	1.6	1.9	3.1	5.3
120°	1.6	1.2	0.9	1.2	1.2	0.9	1.2	1.6	1.6	3.1	5.3
122.5°	1.6	1.6	1.2	1.2	1.2	0.9	1.2	1.2	1.6	3.1	5.0
125°	1.9	1.6	1.2	1.2	1.2	0.9	1.2	1.2	1.6	2.8	4.7
127.5°	1.9	1.9	1.2	1.2	1.6	0.9	1.2	1.2	1.6	2.5	4.4
130°	1.9	1.9	1.6	1.2	1.6	1.2	1.2	1.2	1.6	2.2	3.7
132.5°	1.9	1.9	1.6	1.6	1.6	1.2	1.2	1.2	1.2	1.9	3.1
135°	2.2	1.9	1.6	1.6	1.9	1.2	1.2	1.2	1.2	1.6	2.2
137.5°	2.2	2.2	1.9	1.9	2.2	1.6	1.2	1.6	1.6	1.6	1.9
140°	2.5	2.5	2.5	2.2	2.2	1.6	1.6	1.6	1.6	1.9	1.9
142.5°	3.1	2.8	2.8	2.5	2.2	1.6	1.6	1.6	1.9	1.9	1.9
145°	3.4	3.4	3.1	2.8	2.2	1.6	1.6	1.9	1.9	2.2	2.2
147.5°	3.4	3.4	3.1	2.5	1.9	1.2	1.6	1.9	1.9	2.2	2.5
150°	3.4	3.1	2.8	2.2	1.6	0.9	1.2	1.6	1.9	2.2	2.5
152.5°	2.5	2.5	2.2	1.6	1.2	0.6	0.9	1.2	1.6	1.9	2.2
155°	1.6	1.6	1.2	0.9	0.9	0.6	0.9	1.2	1.2	1.6	1.9
157.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	1.2	1.2
160°	0.3	0.3	0.6	0.3	0.6	0.6	0.6	0.9	0.9	0.9	0.9
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.6	1.6	0.9	1.2	1.2	1.6	1.9	2.2
5°	1.9	2.2	1.9	1.6	1.6	1.2	1.6	1.6	1.6	2.2	2.2
7.5°	2.2	2.2	1.9	1.9	1.6	1.2	2.2	67.1	77.1	79.6	80.2
10°	2.8	2.8	2.5	2.2	1.9	72.4	79.9	79.9	79.3	79.9	79.9
12.5°	61.9	66.5	10.6	5.3	59.7	75.2	73.4	72.1	70.9	69.6	69.0
15°	150.4	145.8	133.7	100.4	92.6	69.0	63.4	88.0	93.9	95.4	95.1
17.5°	158.8	151.4	133.0	139.6	122.5	88.3	79.6	79.0	75.5	75.5	75.8
20°	298.7	281.6	181.5	136.1	106.3	106.9	68.1	60.6	63.4	67.5	69.9
22.5°	306.8	284.4	212.3	177.2	95.7	86.4	66.5	58.7	79.3	87.3	88.0
25°	327.3	291.6	215.1	149.2	108.2	70.9	66.2	61.2	72.7	80.2	79.6
27.5°	443.3	393.2	273.2	137.4	85.5	66.8	62.5	58.7	72.4	84.5	84.2
30°	442.6	387.6	252.4	126.5	70.6	62.2	56.9	64.0	67.5	72.1	72.4
32.5°	574.7	492.7	276.0	105.1	62.5	53.8	56.3	58.4	61.2	73.0	75.5
35°	577.5	481.8	239.7	96.4	57.5	51.3	52.8	57.8	63.7	71.2	71.8
37.5°	588.7	476.2	198.9	79.6	59.1	51.9	55.0	60.6	59.1	69.3	70.6
40°	609.2	477.8	167.2	71.2	58.1	51.9	57.5	58.4	58.7	64.0	64.7
42.5°	641.0	486.2	140.5	67.5	57.2	56.3	55.6	56.0	53.8	64.3	65.6
45°	686.0	503.6	120.0	66.2	57.2	65.6	58.1	56.0	51.3	74.0	79.3
47.5°	752.5	537.8	107.9	66.5	57.5	62.8	57.5	54.4	53.5	86.4	90.1
50°	827.8	576.9	99.8	67.8	57.5	61.9	56.6	56.0	59.4	87.7	88.6
52.5°	908.6	629.1	97.0	69.0	61.9	62.8	64.3	64.0	57.2	70.2	70.2
55°	990.6	683.2	97.9	70.6	65.3	64.3	68.7	60.6	49.1	52.2	51.6
57.5°	1068.0	746.3	104.4	69.6	63.1	63.7	69.3	56.9	49.1	52.2	53.5
60°	1152.0	814.7	122.5	67.1	62.2	61.9	68.4	60.0	49.1	60.0	60.3
62.5°	1254.2	908.9	161.6	69.6	67.1	63.7	68.7	66.2	56.3	57.5	58.7
65°	1375.2	1006.2	198.9	79.3	70.9	64.0	67.8	69.6	63.7	61.5	61.2
67.5°	1463.7	1030.1	200.5	92.0	75.8	67.5	68.4	75.8	69.6	70.9	70.2
70°	1441.4	964.8	173.8	97.3	79.0	70.2	70.2	78.6	73.4	84.2	84.5
72.5°	1332.0	837.7	146.7	90.1	74.9	71.2	78.0	81.4	78.0	101.3	100.1
74°	1206.4	742.0	134.9	82.1	73.4	70.9	80.2	81.4	80.5	108.2	107.2
75°	1110.0	666.8	128.4	77.4	72.4	69.9	80.8	81.8	81.4	109.1	108.8
77.5°	767.2	450.4	112.2	69.0	70.9	69.9	80.5	83.6	85.8	108.5	107.6
80°	393.5	246.5	93.6	65.3	70.2	71.8	79.6	80.8	84.2	102.6	101.6
82.5°	197.4	142.1	68.7	60.0	71.2	78.0	79.9	78.3	79.3	94.5	92.9
85°	127.1	98.2	45.7	50.4	72.4	84.5	79.6	73.0	74.3	82.4	81.8
87.5°	102.3	72.7	28.0	39.2	77.1	77.4	72.7	64.7	63.1	64.7	63.7
90°	94.5	67.5	23.6	37.0	74.6	64.7	59.4	52.8	47.2	47.6	45.7
92.5°	101.6	70.6	25.2	36.7	59.4	45.4	43.5	40.1	33.3	29.5	27.7
95°	100.1	67.8	25.5	31.1	43.5	25.8	30.8	28.3	20.5	15.5	14.6
97.5°	48.2	34.2	22.7	24.2	25.5	19.6	26.1	23.9	14.9	9.6	9.0
100°	9.0	12.7	20.2	23.0	20.2	15.2	20.5	18.3	8.1	5.0	4.7
102.5°	8.7	7.1	15.2	20.8	12.7	8.7	11.2	10.3	5.3	3.7	3.7
105°	9.0	7.1	7.1	14.3	7.8	4.0	3.4	5.0	3.7	3.7	4.0
107.5°	9.3	7.1	4.4	4.7	3.7	3.1	2.5	2.5	2.8	4.0	4.4



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.5	6.2	4.0	3.7	3.4	3.1	2.5	2.2	2.8	4.4	4.7
112.5°	5.3	5.0	3.7	3.1	2.8	2.8	2.2	1.9	2.8	4.7	5.0
115°	5.3	5.0	3.1	2.8	2.2	2.5	2.2	1.9	2.8	5.3	5.6
117.5°	5.6	4.7	3.1	2.5	1.9	1.9	1.9	1.9	3.1	5.3	5.6
120°	5.6	4.7	3.1	2.2	1.9	1.6	1.9	1.9	3.1	5.3	5.9
122.5°	5.3	4.7	2.8	2.2	1.9	1.6	1.6	1.6	2.8	5.3	5.6
125°	5.0	4.4	2.8	2.2	1.9	1.2	1.6	1.6	2.8	5.0	5.6
127.5°	4.7	4.0	2.8	2.2	1.6	1.2	1.6	1.6	2.8	4.7	5.3
130°	4.0	3.7	2.5	1.9	1.6	1.2	1.6	1.6	2.8	4.4	5.0
132.5°	3.4	3.1	2.2	1.9	1.6	1.2	1.6	1.2	2.2	4.0	4.4
135°	2.5	2.5	2.2	1.6	1.6	0.9	1.2	1.2	1.9	3.1	3.4
137.5°	2.2	2.2	1.9	1.6	1.6	0.9	1.2	0.9	1.6	2.5	2.8
140°	2.2	2.2	1.9	1.6	1.2	0.9	0.9	0.9	1.2	2.2	2.2
142.5°	2.2	2.2	1.9	1.6	1.2	0.9	0.9	0.9	1.2	1.9	2.2
145°	2.2	2.2	2.2	1.9	1.2	0.9	0.9	0.9	1.2	1.9	1.9
147.5°	2.5	2.5	2.2	1.6	1.2	0.6	0.6	0.9	1.2	1.9	1.9
150°	2.5	2.5	2.2	1.6	1.2	0.6	0.3	0.6	0.9	1.6	1.9
152.5°	2.2	2.2	1.9	1.6	0.9	0.6	0.3	0.6	0.9	1.6	1.6
155°	1.9	1.9	1.6	1.2	0.9	0.3	0.0	0.3	0.6	1.2	1.2
157.5°	1.2	1.6	1.2	0.9	0.6	0.3	0.0	0.3	0.3	0.9	0.9
160°	1.2	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	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)