

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: P416069

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4988 lumens
Efficiency: N/A
Efficacy: 77.9 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 - G3

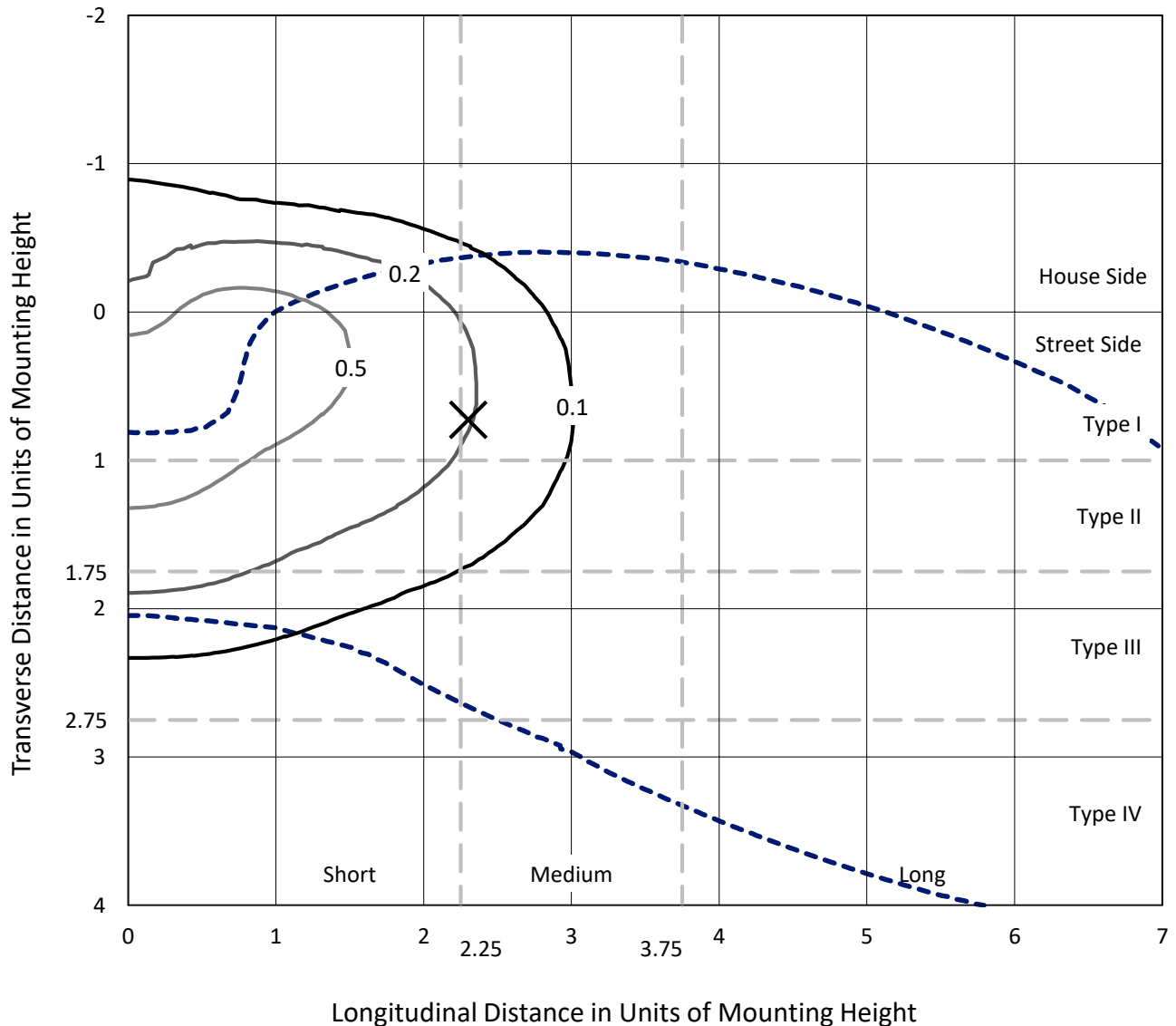
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

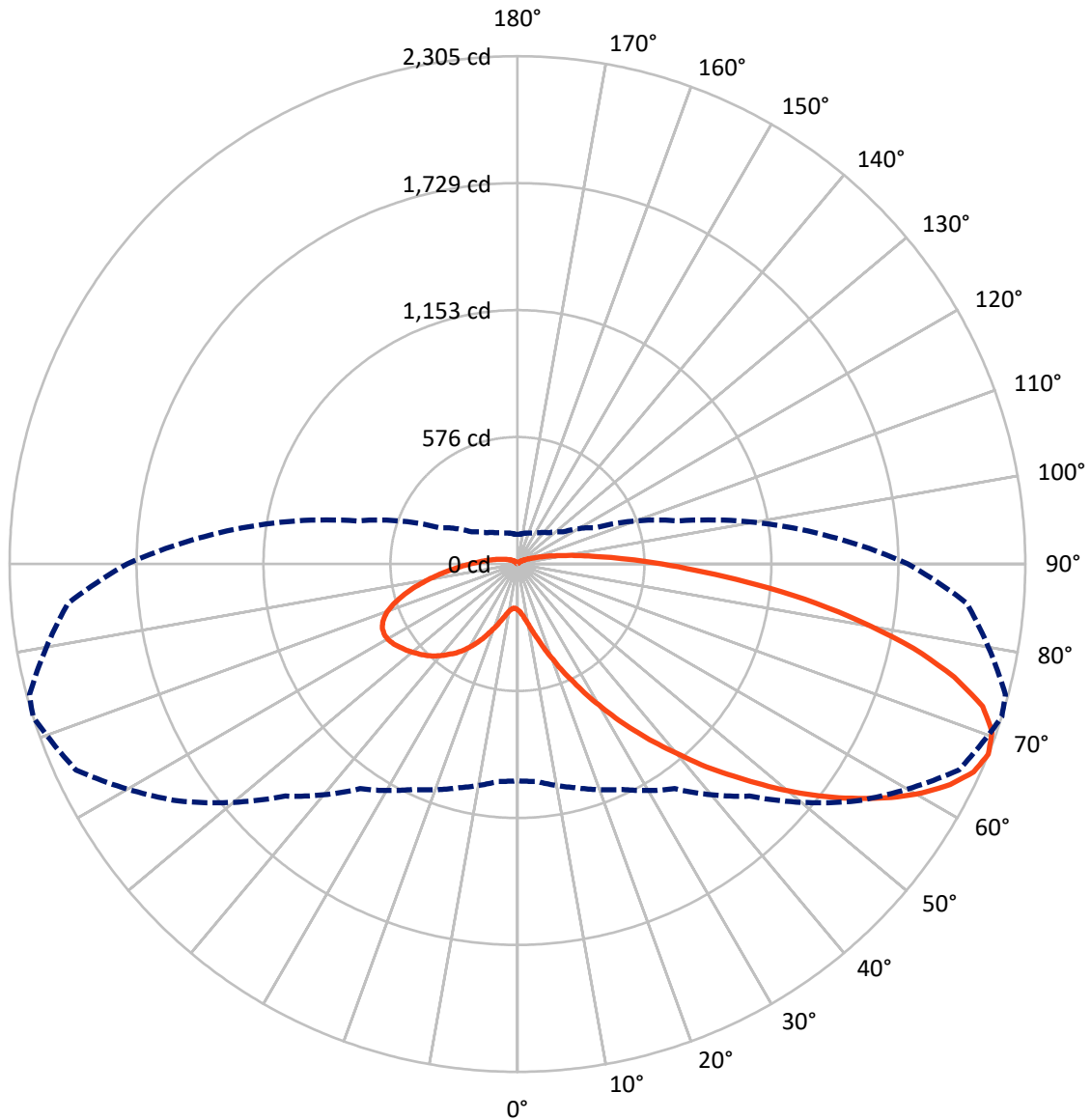
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1012.9	144.1	1157.0
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3551.7	279.4	3831.0
	% Fixture	71.2	5.6	76.8
Total	Lumens	4564.6	423.5	4988.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.4
10°-20°	85.1	1.7
20°-30°	205.5	4.1
30°-40°	391.7	7.9
40°-50°	630.5	12.6
50°-60°	872.4	17.5
60°-70°	1002.3	20.1
70°-80°	860.3	17.2
80°-90°	495.3	9.9
90°-100°	223.9	4.5
100°-110°	102.9	2.1
110°-120°	51.7	1.0
120°-130°	26.8	0.5
130°-140°	12.8	0.3
140°-150°	4.4	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4564.6	91.5
0°-180°	4988.0	100.0



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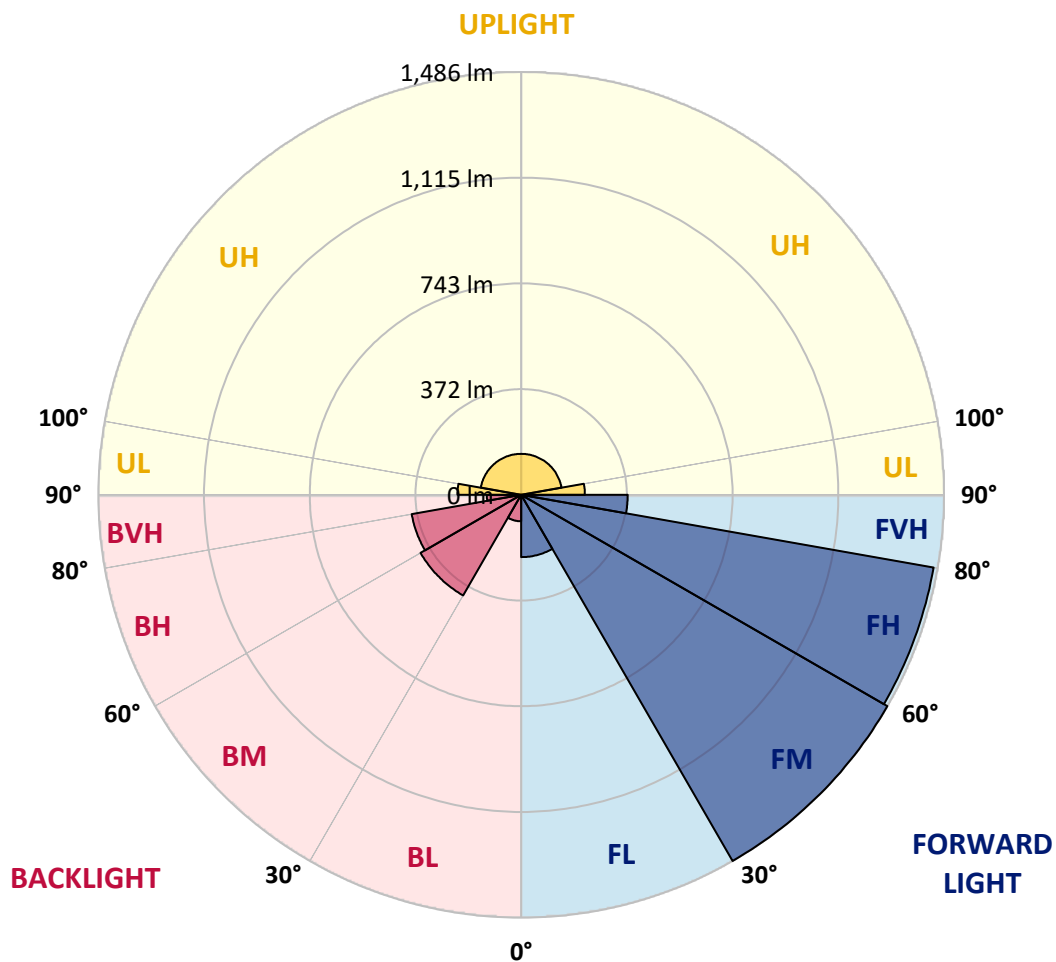
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.0	4.4			
FM	(30°-60°)	1486.1	29.8			
FH	(60°-80°)	1472.1	29.5			G1/1800
FVH	(80°-90°)	374.5	7.5			G3/500
BL	(0°-30°)	93.0	1.9	B0/110		
BM	(30°-60°)	408.4	8.2	B1/1000		
BH	(60°-80°)	390.6	7.8	B1/500		G1/500
BVH	(80°-90°)	120.9	2.4			G2/225
UL	(90°-100°)	223.9	4.5		U3/500	
UH	(100°-180°)	144.1	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1
2.5°	233.3	232.7	233.3	231.5	229.7	226.1	223.7	218.9	216.5	215.3	210.5
5°	266.3	265.7	265.1	262.7	256.7	252.5	245.3	236.9	231.5	229.1	221.3
7.5°	302.2	301.0	299.8	294.4	290.2	283.0	272.2	261.5	252.5	250.7	236.3
10°	343.0	341.8	339.4	335.2	327.4	317.2	307.6	292.0	280.6	275.2	259.7
12.5°	385.0	387.4	384.4	376.0	367.0	357.4	343.6	328.6	316.6	312.4	288.4
15°	436.0	437.8	434.8	425.2	415.6	401.2	390.4	374.8	358.6	356.2	329.8
17.5°	492.3	491.7	485.7	476.7	468.3	456.9	441.4	427.0	409.0	404.8	372.4
20°	553.5	551.1	545.7	530.7	522.9	509.7	500.1	480.3	462.9	456.9	424.6
22.5°	614.7	613.5	608.7	594.9	585.3	573.9	559.5	541.5	529.5	517.5	481.5
25°	691.4	684.2	678.2	653.6	644.6	633.8	621.3	606.3	594.9	588.3	546.9
27.5°	768.2	762.8	749.0	731.0	713.6	696.2	690.8	677.6	674.0	668.6	621.9
30°	844.3	841.9	826.9	804.2	779.0	762.2	759.2	760.4	755.0	748.4	698.6
32.5°	930.7	925.3	908.5	877.9	851.5	831.7	831.7	840.1	844.9	838.3	785.6
35°	1015.2	1010.4	989.4	951.7	922.3	898.3	907.9	927.7	939.1	939.1	873.7
37.5°	1104.6	1093.8	1072.2	1032.6	993.0	975.7	986.5	1020.6	1037.4	1037.4	971.5
40°	1182.5	1181.9	1152.6	1105.2	1066.2	1040.4	1073.4	1119.0	1141.2	1139.4	1069.8
42.5°	1260.5	1259.9	1231.7	1179.5	1130.4	1117.2	1158.6	1222.7	1258.7	1258.7	1169.3
45°	1330.7	1325.9	1301.9	1244.3	1198.7	1192.7	1253.9	1335.5	1372.6	1378.6	1277.3
47.5°	1382.2	1378.0	1357.0	1301.3	1258.1	1268.9	1342.7	1446.4	1496.8	1496.2	1387.6
50°	1417.0	1412.8	1394.8	1346.8	1309.7	1336.7	1439.2	1563.9	1626.9	1631.7	1496.8
52.5°	1427.2	1424.8	1415.2	1375.6	1351.6	1397.8	1529.7	1683.9	1755.2	1759.4	1616.1
55°	1409.8	1409.8	1409.2	1385.2	1375.6	1452.4	1623.3	1800.8	1878.2	1885.9	1733.6
57.5°	1369.0	1370.8	1381.6	1373.8	1388.2	1496.2	1702.5	1906.3	1999.9	2004.7	1838.6
60°	1307.3	1303.7	1327.7	1342.1	1381.0	1523.8	1772.6	2012.5	2110.2	2112.0	1930.9
62.5°	1213.7	1215.5	1250.3	1288.1	1355.2	1535.1	1834.4	2105.4	2204.4	2208.6	2002.9
65°	1103.4	1107.6	1155.0	1218.5	1310.9	1523.2	1869.8	2176.8	2275.7	2270.3	2044.3
67.5°	984.1	990.0	1051.8	1129.2	1244.9	1489.6	1875.8	2211.0	2305.1	2293.1	2047.9
70°	853.3	868.9	930.7	1031.4	1159.8	1425.4	1841.0	2205.0	2285.3	2273.9	1994.5
72.5°	734.6	746.0	813.7	918.7	1064.4	1332.5	1767.2	2136.0	2208.0	2185.2	1883.0
75°	616.5	633.8	698.0	810.1	961.3	1217.3	1641.9	2002.9	2047.3	2022.7	1716.8
77.5°	515.7	531.3	594.9	702.8	847.9	1096.8	1477.6	1800.8	1837.4	1812.2	1507.0
80°	420.4	437.8	499.5	605.7	741.8	955.3	1289.3	1564.5	1578.3	1538.7	1275.5
82.5°	351.4	360.4	418.0	511.5	636.8	823.9	1096.2	1312.7	1313.3	1265.9	1036.2
85°	287.2	292.6	345.4	430.0	537.3	696.2	900.1	1057.2	1045.2	1019.4	798.8
87.5°	232.7	238.1	285.4	361.6	452.1	581.1	734.6	832.3	804.2	783.8	620.1
90°	190.7	196.7	235.7	301.6	379.6	479.7	584.7	643.4	618.3	602.7	477.9
92.5°	155.9	161.9	196.1	252.5	321.4	392.8	464.7	492.3	474.9	456.9	360.4
95°	131.9	133.1	163.7	211.1	265.7	317.2	364.0	380.2	356.2	349.6	278.8
97.5°	108.5	112.1	136.1	178.1	221.9	264.5	288.4	296.8	275.2	260.9	213.5
100°	92.3	94.1	115.1	148.7	184.7	215.3	233.9	229.7	210.5	202.1	161.9
102.5°	79.2	81.0	97.7	128.9	157.1	179.3	188.3	181.7	163.7	158.3	127.1
105°	69.6	70.2	84.0	109.1	133.1	151.7	155.3	145.1	127.7	120.5	100.1
107.5°	61.8	62.4	73.2	94.7	115.1	127.7	128.9	117.5	100.7	95.3	80.4
110°	55.2	56.4	64.2	82.2	99.5	109.1	107.9	95.9	80.4	75.6	66.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	49.8	51.0	57.0	72.0	86.4	94.7	91.7	77.4	64.2	61.2	54.6
115°	45.6	46.8	51.6	63.6	76.2	82.2	77.4	64.2	52.8	49.2	45.6
117.5°	42.6	43.2	46.8	56.4	66.0	70.8	65.4	53.4	43.2	40.8	39.0
120°	39.6	40.2	43.2	49.8	58.2	60.6	55.2	43.8	36.0	34.8	34.2
122.5°	37.2	37.2	39.6	44.4	50.4	52.2	46.8	36.6	30.6	29.4	30.0
125°	34.8	34.8	36.0	39.6	43.8	45.0	39.0	30.6	25.8	25.2	26.4
127.5°	32.4	32.4	33.0	35.4	37.8	37.8	32.4	25.2	22.2	21.6	23.4
130°	30.0	30.0	30.0	31.2	32.4	31.8	26.4	21.0	19.2	19.2	20.4
132.5°	27.6	27.6	27.6	27.6	27.0	25.8	21.6	16.8	16.8	16.8	18.0
135°	24.6	24.6	24.6	24.0	22.8	21.0	16.8	13.8	13.8	14.4	15.6
137.5°	22.2	22.2	21.6	20.4	18.6	16.2	13.2	10.8	12.0	12.0	13.2
140°	19.2	19.2	18.6	16.8	14.4	12.0	9.6	9.0	9.6	10.2	11.4
142.5°	16.2	16.2	15.6	13.8	11.4	8.4	6.6	6.6	7.8	7.8	9.0
145°	13.2	13.2	12.6	10.8	7.8	5.4	4.2	4.8	6.0	6.0	6.6
147.5°	10.2	10.2	9.6	7.8	5.4	3.6	2.4	3.6	4.2	4.2	4.8
150°	7.2	7.2	6.6	5.4	3.6	1.8	1.2	1.8	2.4	3.0	3.0
152.5°	4.8	4.8	4.2	3.6	1.8	0.6	1.2	1.8	1.8	1.8	2.4
155°	3.0	2.4	2.4	1.8	0.6	0.0	0.6	1.2	1.2	1.2	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	1.2	1.2
160°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
162.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
165°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
167.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
170°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
172.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
175°	0.0	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.0	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1
2.5°	209.3	206.9	203.3	199.7	196.1	193.7	191.3	190.1	188.3	186.5	186.5
5°	216.5	211.7	203.3	194.9	187.1	180.5	173.9	170.3	167.9	165.5	166.1
7.5°	229.7	222.5	208.7	194.9	182.3	171.5	162.5	155.3	150.5	147.5	148.1
10°	248.3	240.5	219.5	199.7	181.7	166.1	153.5	143.3	137.3	134.3	134.3
12.5°	277.6	264.5	236.9	208.7	184.7	163.7	147.5	135.5	127.1	123.5	122.9
15°	313.0	294.4	260.9	226.1	191.9	163.7	142.7	134.3	128.9	126.5	125.9
17.5°	355.0	334.6	288.4	242.3	201.5	167.3	149.3	139.1	133.1	130.7	130.1
20°	400.6	376.6	318.4	262.7	211.1	178.1	155.9	143.3	136.7	134.3	134.3
22.5°	456.3	424.6	350.8	280.6	223.1	187.1	162.5	146.9	140.9	138.5	137.9
25°	513.9	477.9	389.2	299.8	236.3	194.3	167.3	150.5	144.5	142.1	142.7
27.5°	581.7	535.5	427.0	319.0	247.7	198.5	169.7	153.5	147.5	145.7	146.3
30°	652.4	594.3	460.5	338.8	255.5	201.5	171.5	155.9	149.3	148.1	148.1
32.5°	727.4	661.4	495.3	356.2	260.3	202.1	171.5	157.1	150.5	149.9	150.5
35°	804.2	726.2	528.9	370.0	262.7	201.5	170.9	158.3	150.5	150.5	150.5
37.5°	889.3	789.8	557.1	379.6	263.3	199.7	170.3	157.7	150.5	150.5	151.1
40°	976.9	857.5	588.3	387.4	262.7	198.5	169.7	157.7	150.5	150.5	151.1
42.5°	1063.8	920.5	617.7	392.2	261.5	197.3	169.1	157.7	150.5	149.3	149.9
45°	1158.0	993.6	645.8	395.2	260.3	196.7	169.1	157.1	150.5	148.1	148.7
47.5°	1245.5	1061.4	668.6	398.8	259.7	196.7	169.7	157.1	149.9	147.5	147.5
50°	1344.5	1131.6	692.0	400.0	258.5	196.7	169.7	157.1	149.3	145.7	146.3
52.5°	1442.2	1202.3	714.8	402.4	258.5	197.3	170.3	157.1	148.7	143.9	143.9
55°	1535.7	1265.3	735.2	404.2	258.5	198.5	172.1	157.1	148.1	142.1	142.1
57.5°	1621.5	1330.1	755.6	404.8	258.5	199.7	172.1	157.7	147.5	140.3	140.3
60°	1697.7	1385.8	770.0	405.4	257.9	200.9	173.3	157.1	146.9	138.5	138.5
62.5°	1751.6	1428.4	777.2	403.6	257.9	200.9	173.9	157.1	146.3	137.9	137.3
65°	1782.2	1443.4	773.0	398.2	256.7	200.9	173.3	156.5	145.1	136.7	136.1
67.5°	1772.0	1427.2	755.0	389.8	253.7	200.3	173.3	155.3	145.1	136.1	134.9
70°	1716.8	1378.6	720.8	377.2	249.5	197.9	170.9	153.5	143.9	135.5	134.3
72.5°	1608.9	1280.9	671.0	357.4	242.3	194.3	167.9	150.5	141.5	133.7	131.9
75°	1459.0	1164.6	610.5	337.0	233.3	189.5	164.3	147.5	138.5	131.3	129.5
77.5°	1266.5	1009.2	543.3	310.6	221.9	182.9	159.5	142.7	134.3	127.7	125.3
80°	1066.8	850.3	470.7	283.0	209.9	174.5	152.3	136.7	128.9	122.9	119.9
82.5°	863.5	698.6	403.0	256.7	196.1	164.9	145.1	130.1	122.9	116.3	113.3
85°	681.2	552.3	337.6	229.1	181.7	155.3	136.7	122.3	115.7	108.5	105.5
87.5°	530.1	438.4	282.4	203.9	166.1	144.5	127.7	114.5	106.7	100.1	97.7
90°	413.2	345.4	236.3	179.9	152.3	133.7	118.1	106.1	98.3	91.7	88.8
92.5°	314.8	273.4	197.9	158.9	138.5	122.9	109.1	97.7	89.9	82.8	79.8
95°	246.5	217.1	167.3	139.7	124.7	111.5	100.1	89.4	81.0	73.2	71.4
97.5°	191.3	173.9	140.9	122.3	112.7	100.7	90.5	81.0	72.6	64.8	63.0
100°	151.1	138.5	119.3	108.5	100.1	90.5	81.6	73.2	64.2	55.8	55.2
102.5°	119.3	113.9	101.3	95.3	88.8	81.6	73.8	64.8	55.8	48.0	47.4
105°	97.7	92.9	87.0	83.4	79.2	72.6	65.4	57.6	48.6	41.4	41.4
107.5°	79.2	76.8	73.8	73.2	70.2	64.8	58.8	51.0	42.0	36.0	36.0
110°	64.8	64.2	64.2	64.2	62.4	58.2	52.2	44.4	35.4	31.2	31.2



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CATALOG NUMBER: LXF.LXT-PA1-60-827-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	54.6	54.6	55.2	56.4	55.2	51.0	45.6	38.4	30.6	27.0	27.0
115°	46.2	46.8	48.6	49.2	48.6	45.6	40.2	33.0	25.8	23.4	24.0
117.5°	40.2	40.2	42.6	43.8	43.2	40.2	34.8	28.2	22.2	21.0	21.0
120°	34.8	36.0	37.8	38.4	37.8	34.8	30.6	24.0	19.2	18.6	18.6
122.5°	30.6	31.2	33.0	34.2	33.0	30.6	25.8	20.4	16.2	16.2	16.8
125°	27.0	27.6	28.8	30.0	28.8	25.8	22.2	16.8	14.4	14.4	14.4
127.5°	24.0	24.6	25.8	25.8	24.6	22.2	18.6	14.4	12.0	12.6	12.6
130°	21.0	21.6	22.2	22.2	21.6	19.2	15.6	12.0	10.8	11.4	11.4
132.5°	18.6	19.2	19.2	19.2	18.0	16.2	13.2	10.2	9.6	10.2	10.2
135°	16.2	16.2	16.8	16.2	15.0	13.2	10.2	8.4	8.4	9.0	9.0
137.5°	13.8	14.4	14.4	13.2	12.0	10.2	8.4	7.2	7.2	7.8	7.8
140°	11.4	12.0	11.4	10.8	9.6	8.4	6.6	5.4	6.0	6.6	6.6
142.5°	9.6	9.6	9.6	8.4	7.2	6.0	4.8	4.8	5.4	5.4	6.0
145°	7.2	7.2	7.2	6.6	5.4	4.2	3.6	3.6	4.2	4.8	4.8
147.5°	5.4	5.4	5.4	4.8	3.6	3.0	2.4	3.0	3.6	4.2	3.6
150°	3.6	3.6	3.6	3.0	2.4	1.8	1.8	2.4	3.0	3.0	3.0
152.5°	2.4	2.4	2.4	2.4	1.8	0.6	1.2	1.8	2.4	2.4	2.4
155°	1.8	1.8	1.8	1.8	1.2	0.0	0.6	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.0
165°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
167.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
170°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
172.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
175°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)