

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: P694591

Luminaire Tested: **LXF.LXT-PA16-20-740-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-740-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2705 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

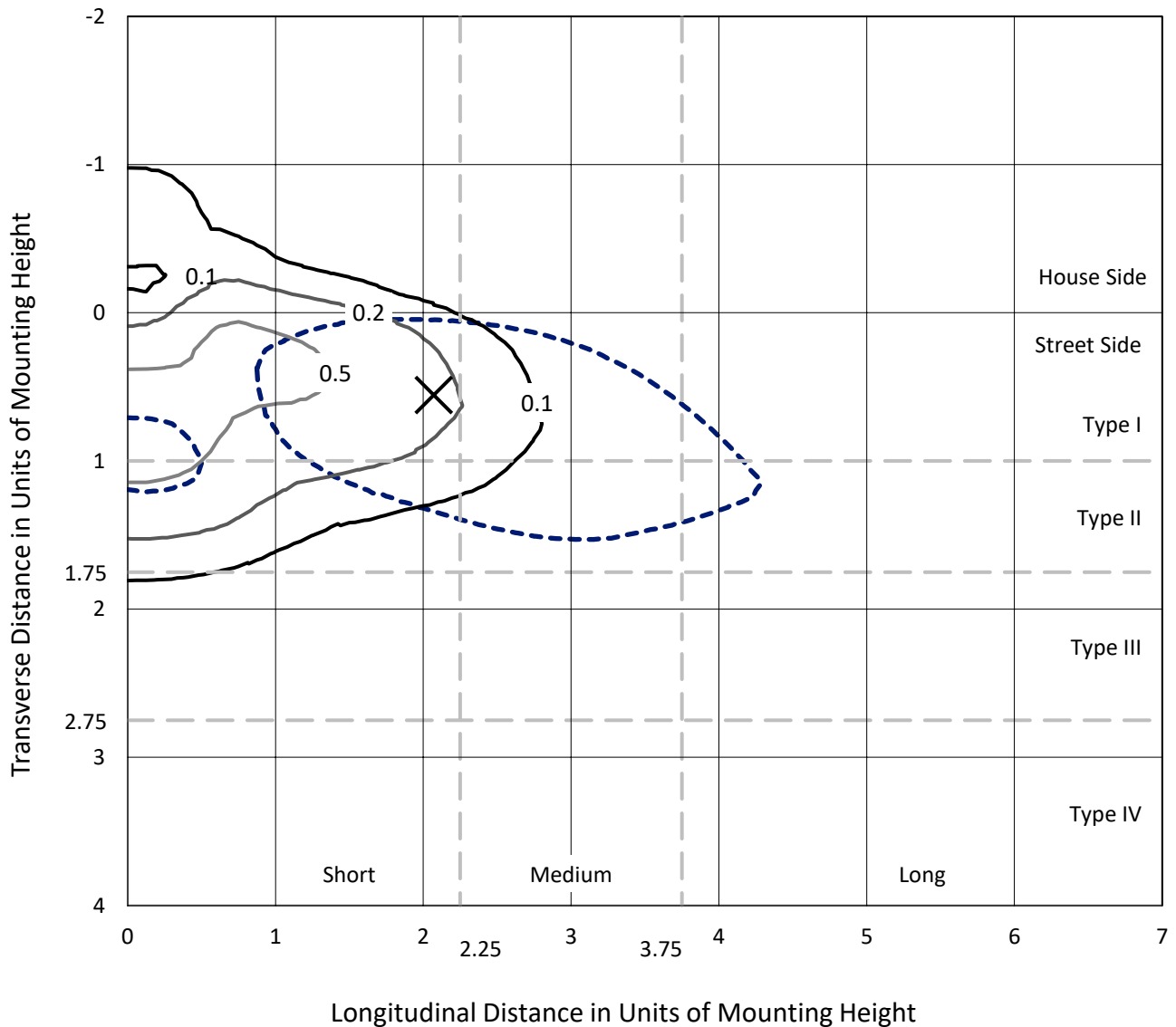
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

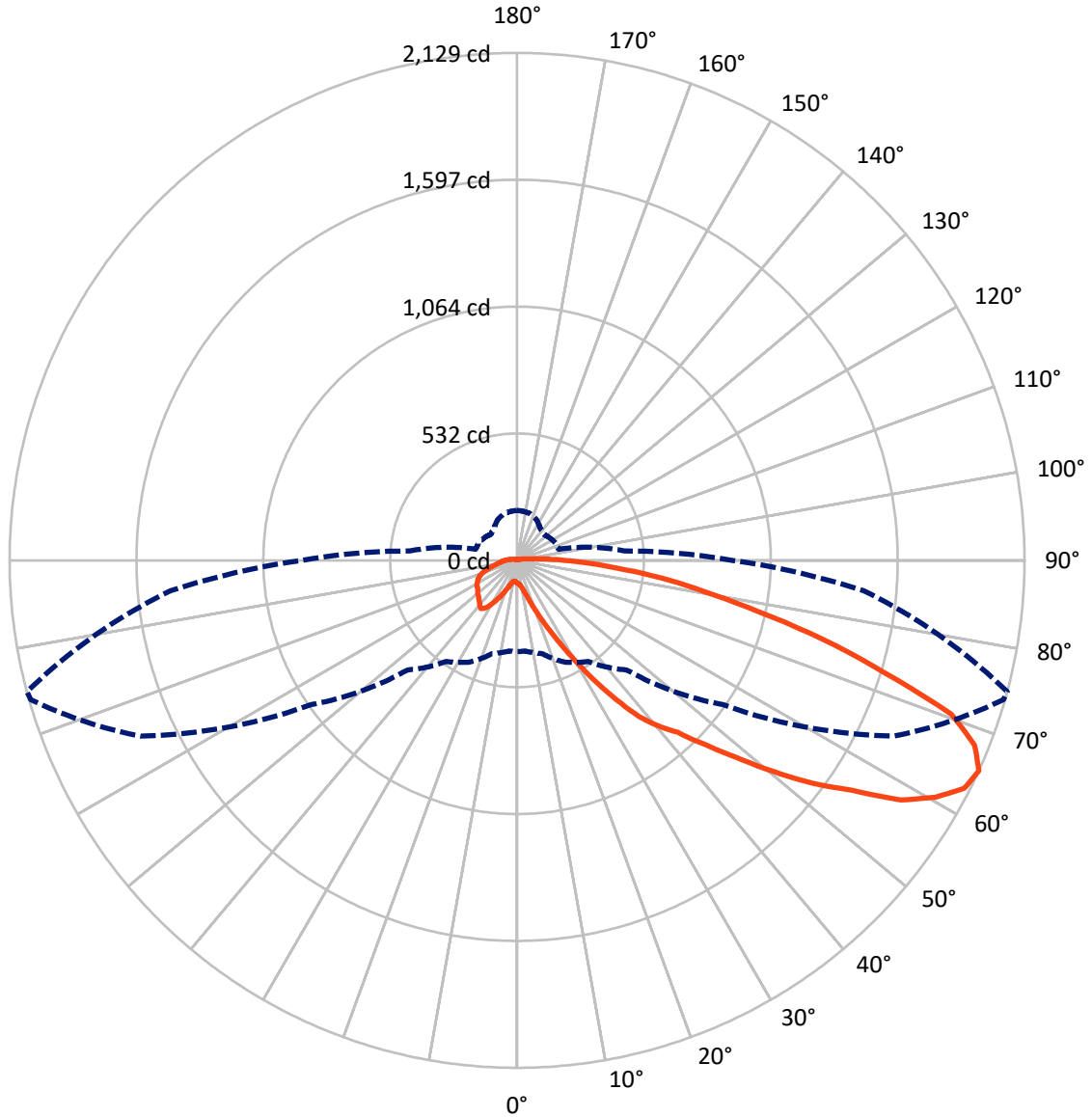
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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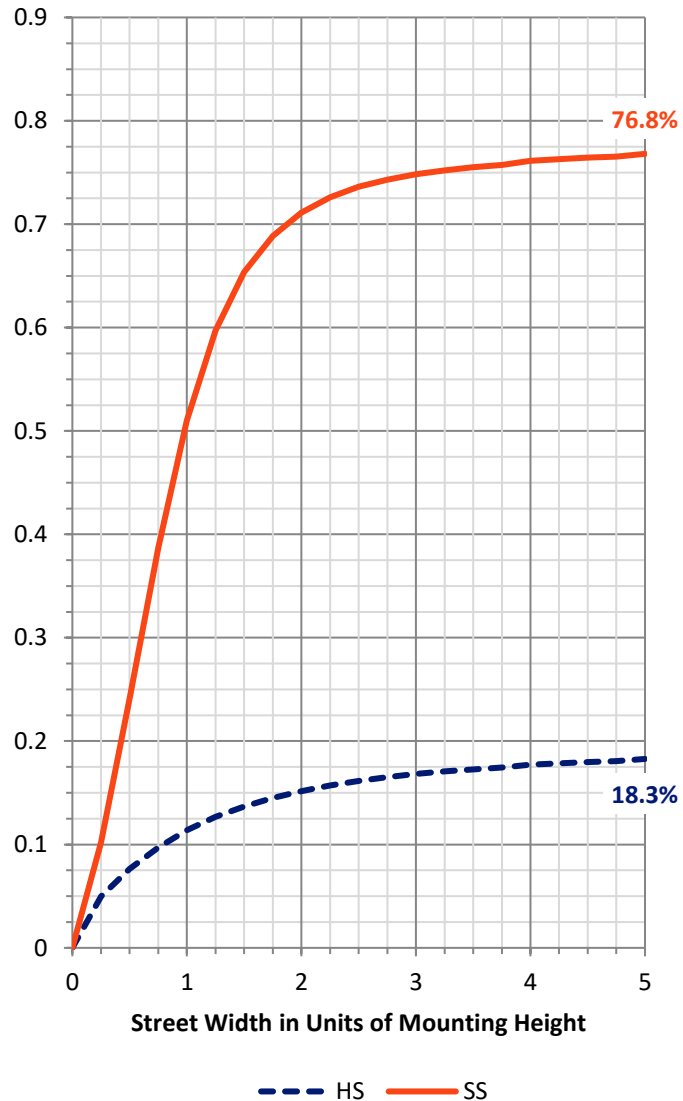
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.9	41.1	559.1
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	2104.7	41.3	2146.0
	% Fixture	77.8	1.5	79.3
Total	Lumens	2622.7	82.4	2705.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.4
10°-20°	41.3	1.5
20°-30°	128.9	4.8
30°-40°	306.5	11.3
40°-50°	474.5	17.5
50°-60°	592.0	21.9
60°-70°	579.3	21.4
70°-80°	352.3	13.0
80°-90°	138.4	5.1
90°-100°	43.2	1.6
100°-110°	17.3	0.6
110°-120°	9.5	0.4
120°-130°	6.3	0.2
130°-140°	4.2	0.2
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2622.7	97.0
0°-180°	2705.0	100.0

Coefficient of Utilization



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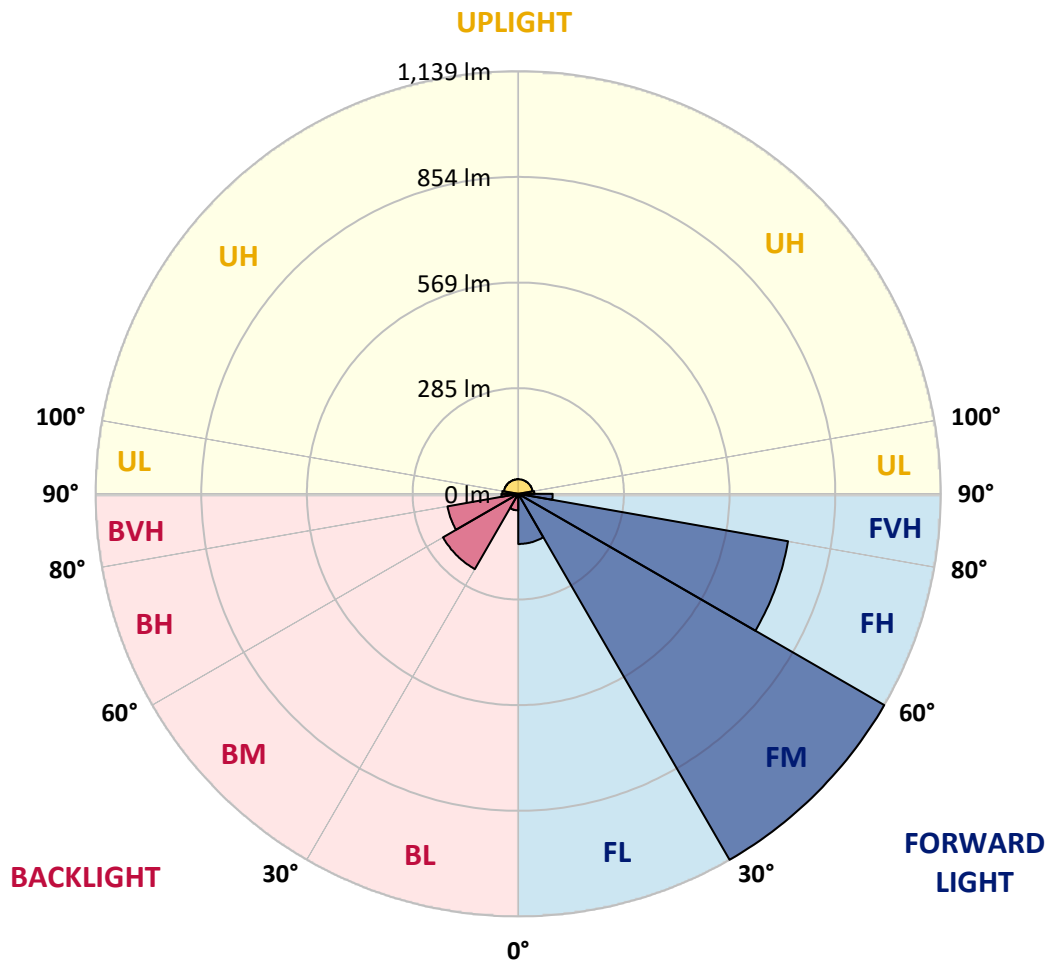
CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.2	5.0			
FM (30°-60°)	1138.6	42.1			
FH (60°-80°)	738.1	27.3			G1/1800
FVH (80°-90°)	92.9	3.4			G1/100
BL (0°-30°)	44.6	1.6	B0/110		
BM (30°-60°)	234.3	8.7	B1/1000		
BH (60°-80°)	193.5	7.2	B1/500		G1/500
BVH (80°-90°)	45.5	1.7			G1/100
UL (90°-100°)	43.2	1.6		U2/50	
UH (100°-180°)	39.2	1.5		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	105.0	106.0	105.0	104.0	103.0	102.0	100.0	99.0	97.0	97.0	95.0
5°	122.0	122.0	122.0	119.0	117.0	115.0	110.0	106.0	102.0	101.0	98.0
7.5°	143.0	141.0	140.0	137.0	133.0	129.0	122.0	115.0	109.0	108.0	102.0
10°	168.0	167.0	166.0	162.0	155.0	148.0	138.0	129.0	119.0	118.0	108.0
12.5°	202.0	201.0	197.0	192.0	182.0	171.0	159.0	148.0	135.0	134.0	120.0
15°	239.0	240.0	237.0	227.0	217.0	202.0	188.0	175.0	161.0	157.0	139.0
17.5°	295.0	294.0	287.0	270.0	258.0	242.0	224.0	207.0	190.0	187.0	164.0
20°	356.0	358.0	348.0	324.0	305.0	286.0	271.0	246.0	229.0	227.0	195.0
22.5°	434.0	439.0	418.0	394.0	362.0	340.0	325.0	301.0	277.0	277.0	236.0
25°	536.0	538.0	510.0	471.0	431.0	397.0	384.0	369.0	341.0	337.0	289.0
27.5°	641.0	647.0	614.0	563.0	503.0	462.0	454.0	446.0	412.0	411.0	344.0
30°	804.0	801.0	745.0	672.0	585.0	531.0	526.0	535.0	503.0	499.0	416.0
32.5°	951.9	946.9	886.9	791.0	672.0	608.0	600.0	630.0	608.0	607.0	498.0
35°	1073.9	1066.9	1012.9	904.9	766.0	679.0	684.0	734.0	723.0	718.0	573.0
37.5°	1130.9	1142.9	1096.9	991.9	846.9	752.0	775.0	848.9	838.9	831.9	655.0
40°	1169.9	1185.9	1137.9	1038.9	902.9	816.9	853.9	943.9	922.9	913.9	690.0
42.5°	1183.9	1196.9	1164.9	1065.9	936.9	865.9	914.9	1013.9	1000.9	985.9	740.0
45°	1174.9	1190.9	1165.9	1077.9	953.9	895.9	959.9	1102.9	1112.9	1100.9	811.0
47.5°	1139.9	1157.9	1148.9	1077.9	958.9	910.9	1013.9	1215.9	1238.9	1232.9	888.9
50°	1045.9	1065.9	1081.9	1056.9	953.9	915.9	1073.9	1327.9	1395.9	1391.9	996.9
52.5°	969.9	985.9	991.9	990.9	934.9	922.9	1130.9	1473.9	1559.9	1553.9	1093.9
55°	867.9	877.9	906.9	899.9	871.9	912.9	1173.9	1580.9	1707.9	1700.9	1204.9
57.5°	692.0	709.0	763.0	819.9	794.0	879.9	1192.9	1677.9	1905.9	1896.9	1332.9
60°	589.0	594.0	625.0	679.0	715.0	813.9	1185.9	1777.9	2024.9	2016.9	1390.9
62.5°	480.0	483.0	522.0	568.0	619.0	741.0	1144.9	1783.9	2101.9	2105.9	1447.9
65°	383.0	382.0	405.0	471.0	518.0	650.0	1055.9	1743.9	2121.9	2128.9	1458.9
67.5°	292.0	301.0	331.0	365.0	429.0	545.0	928.9	1638.9	2067.9	2069.9	1413.9
70°	201.0	205.0	233.0	287.0	335.0	452.0	789.0	1476.9	1931.9	1931.9	1285.9
72.5°	145.0	150.0	164.0	199.0	259.0	354.0	652.0	1267.9	1627.9	1611.9	1076.9
75°	108.0	109.0	122.0	143.0	183.0	276.0	507.0	996.9	1321.9	1326.9	884.9
77.5°	84.0	85.0	91.0	106.0	134.0	201.0	377.0	769.0	1029.9	1031.9	683.0
80°	70.0	71.0	74.0	82.0	100.0	144.0	277.0	579.0	796.0	797.0	532.0
82.5°	58.0	59.0	62.0	67.0	78.0	107.0	199.0	443.0	603.0	611.0	399.0
85°	49.0	50.0	52.0	56.0	64.0	83.0	144.0	318.0	425.0	422.0	276.0
87.5°	40.0	40.0	43.0	46.0	52.0	67.0	106.0	218.0	288.0	285.0	192.0
90°	30.0	31.0	33.0	37.0	43.0	53.0	77.0	143.0	179.0	179.0	122.0
92.5°	22.0	22.0	25.0	29.0	34.0	43.0	56.0	91.0	107.0	108.0	79.0
95°	16.0	16.0	18.0	20.0	26.0	34.0	41.0	56.0	66.0	64.0	54.0
97.5°	13.0	13.0	14.0	16.0	20.0	27.0	32.0	40.0	44.0	44.0	40.0
100°	11.0	11.0	12.0	12.0	16.0	22.0	26.0	29.0	32.0	33.0	32.0
102.5°	9.0	10.0	10.0	10.0	13.0	19.0	21.0	23.0	25.0	25.0	25.0
105°	8.0	8.0	9.0	9.0	11.0	16.0	18.0	19.0	20.0	20.0	20.0
107.5°	7.0	7.0	8.0	8.0	10.0	14.0	15.0	15.0	16.0	16.0	16.0
110°	7.0	7.0	7.0	7.0	9.0	12.0	12.0	12.0	12.0	12.0	13.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.0	6.0	7.0	7.0	8.0	11.0	11.0	10.0	10.0	10.0	12.0
115°	6.0	6.0	6.0	7.0	8.0	9.0	9.0	9.0	9.0	9.0	10.0
117.5°	6.0	6.0	6.0	7.0	7.0	9.0	8.0	8.0	8.0	8.0	9.0
120°	6.0	6.0	6.0	6.0	7.0	8.0	8.0	7.0	7.0	7.0	8.0
122.5°	6.0	6.0	6.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	8.0
125°	6.0	6.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	7.0
127.5°	7.0	7.0	7.0	7.0	6.0	7.0	6.0	6.0	6.0	6.0	7.0
130°	8.0	8.0	8.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0
132.5°	8.0	8.0	8.0	7.0	6.0	6.0	5.0	5.0	6.0	6.0	6.0
135°	8.0	8.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0
137.5°	7.0	7.0	7.0	6.0	5.0	5.0	4.0	4.0	5.0	5.0	5.0
140°	6.0	6.0	6.0	5.0	4.0	4.0	3.0	3.0	4.0	4.0	4.0
142.5°	5.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0
145°	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	3.0	3.0	3.0	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	95.0	94.0	92.0	91.0	89.0	88.0	87.0	86.0	87.0	86.0	86.0
5°	96.0	94.0	90.0	86.0	83.0	81.0	79.0	77.0	77.0	76.0	75.0
7.5°	98.0	95.0	88.0	83.0	77.0	73.0	70.0	68.0	67.0	66.0	66.0
10°	103.0	98.0	89.0	80.0	73.0	67.0	63.0	61.0	59.0	59.0	59.0
12.5°	113.0	107.0	93.0	80.0	70.0	63.0	58.0	56.0	56.0	56.0	56.0
15°	130.0	120.0	102.0	85.0	71.0	61.0	58.0	59.0	61.0	63.0	62.0
17.5°	151.0	139.0	114.0	92.0	75.0	66.0	64.0	67.0	70.0	72.0	73.0
20°	177.0	159.0	127.0	99.0	82.0	76.0	74.0	77.0	81.0	84.0	84.0
22.5°	211.0	187.0	144.0	109.0	92.0	86.0	84.0	87.0	92.0	95.0	95.0
25°	254.0	221.0	165.0	122.0	103.0	94.0	94.0	98.0	105.0	109.0	110.0
27.5°	302.0	257.0	184.0	138.0	115.0	103.0	104.0	112.0	120.0	126.0	126.0
30°	354.0	300.0	206.0	152.0	124.0	112.0	113.0	123.0	134.0	142.0	141.0
32.5°	416.0	345.0	229.0	166.0	133.0	119.0	122.0	137.0	150.0	160.0	159.0
35°	479.0	384.0	244.0	179.0	141.0	125.0	130.0	149.0	164.0	173.0	173.0
37.5°	528.0	416.0	253.0	186.0	148.0	130.0	136.0	157.0	173.0	181.0	180.0
40°	545.0	416.0	246.0	187.0	151.0	134.0	141.0	161.0	175.0	180.0	177.0
42.5°	571.0	424.0	236.0	181.0	152.0	137.0	143.0	161.0	170.0	171.0	169.0
45°	608.0	437.0	229.0	177.0	150.0	138.0	143.0	158.0	169.0	172.0	170.0
47.5°	655.0	450.0	221.0	175.0	150.0	138.0	143.0	161.0	172.0	172.0	170.0
50°	715.0	471.0	217.0	176.0	153.0	139.0	146.0	165.0	175.0	173.0	172.0
52.5°	761.0	476.0	210.0	179.0	156.0	141.0	149.0	169.0	178.0	174.0	173.0
55°	820.9	488.0	202.0	179.0	161.0	146.0	153.0	173.0	180.0	175.0	174.0
57.5°	882.9	501.0	201.0	178.0	163.0	150.0	157.0	176.0	182.0	178.0	177.0
60°	899.9	486.0	195.0	181.0	164.0	154.0	160.0	179.0	188.0	186.0	186.0
62.5°	913.9	474.0	188.0	180.0	167.0	154.0	163.0	184.0	198.0	198.0	198.0
65°	903.9	451.0	180.0	176.0	166.0	155.0	167.0	190.0	204.0	208.0	209.0
67.5°	861.9	419.0	172.0	170.0	161.0	155.0	168.0	190.0	207.0	213.0	213.0
70°	772.0	366.0	158.0	158.0	154.0	149.0	165.0	187.0	201.0	208.0	208.0
72.5°	647.0	303.0	137.0	142.0	141.0	140.0	157.0	177.0	186.0	192.0	191.0
75°	515.0	244.0	119.0	121.0	123.0	126.0	144.0	160.0	163.0	168.0	167.0
77.5°	404.0	195.0	101.0	103.0	105.0	112.0	129.0	139.0	141.0	144.0	143.0
80°	316.0	160.0	87.0	87.0	90.0	97.0	111.0	120.0	124.0	126.0	123.0
82.5°	246.0	131.0	77.0	74.0	77.0	83.0	94.0	102.0	105.0	105.0	104.0
85°	175.0	105.0	68.0	64.0	65.0	71.0	81.0	86.0	88.0	87.0	85.0
87.5°	128.0	86.0	60.0	54.0	55.0	63.0	70.0	73.0	74.0	75.0	73.0
90°	90.0	69.0	52.0	45.0	45.0	53.0	60.0	61.0	62.0	62.0	61.0
92.5°	64.0	54.0	43.0	37.0	37.0	44.0	49.0	48.0	49.0	48.0	46.0
95°	47.0	42.0	36.0	30.0	29.0	34.0	36.0	35.0	36.0	35.0	35.0
97.5°	37.0	34.0	30.0	25.0	23.0	26.0	27.0	27.0	29.0	27.0	27.0
100°	30.0	28.0	26.0	21.0	19.0	21.0	22.0	23.0	24.0	23.0	23.0
102.5°	25.0	24.0	22.0	19.0	17.0	18.0	19.0	20.0	21.0	21.0	20.0
105°	20.0	20.0	19.0	16.0	15.0	15.0	16.0	17.0	19.0	19.0	19.0
107.5°	16.0	17.0	16.0	14.0	13.0	13.0	14.0	15.0	16.0	17.0	17.0
110°	14.0	14.0	14.0	12.0	12.0	12.0	12.0	13.0	15.0	16.0	16.0

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CATALOG NUMBER: LXF.LXT-PA16-20-740-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	12.0	12.0	11.0	11.0	11.0	11.0	11.0	13.0	14.0	15.0
115°	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.0	12.0	13.0	13.0
117.5°	10.0	10.0	10.0	9.0	9.0	9.0	9.0	9.0	10.0	12.0	12.0
120°	9.0	9.0	9.0	8.0	8.0	8.0	8.0	8.0	9.0	11.0	11.0
122.5°	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.0	8.0	10.0	10.0
125°	7.0	8.0	7.0	7.0	7.0	7.0	6.0	7.0	8.0	9.0	9.0
127.5°	7.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0	7.0	8.0	8.0
130°	7.0	7.0	7.0	6.0	6.0	5.0	5.0	6.0	6.0	7.0	7.0
132.5°	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
135°	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	6.0	6.0
137.5°	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0
140°	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0
142.5°	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
145°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)