

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: P695337

Luminaire Tested: **LXF.LXT-PA16-50-730-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 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: 5132.1 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

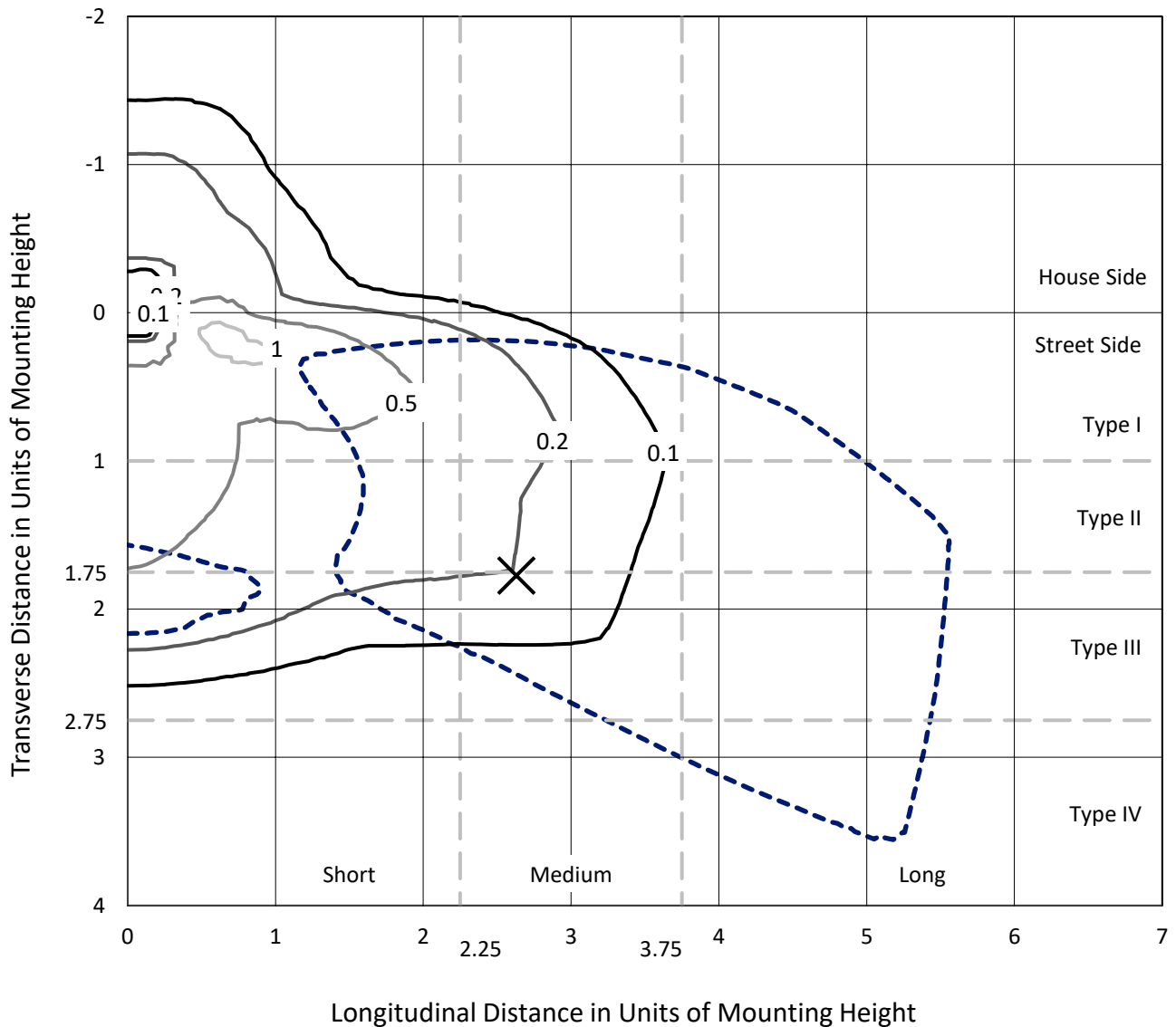
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

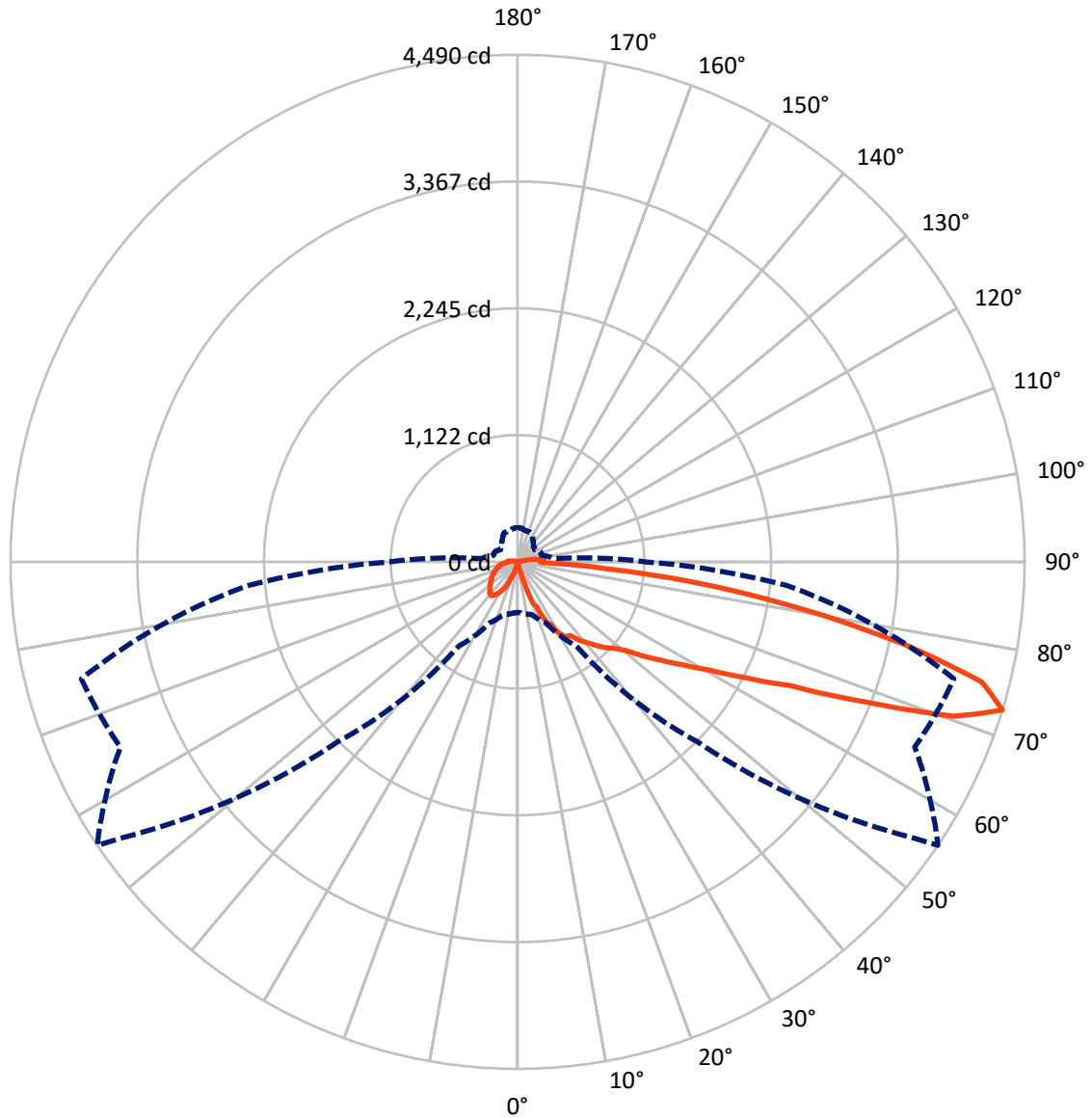
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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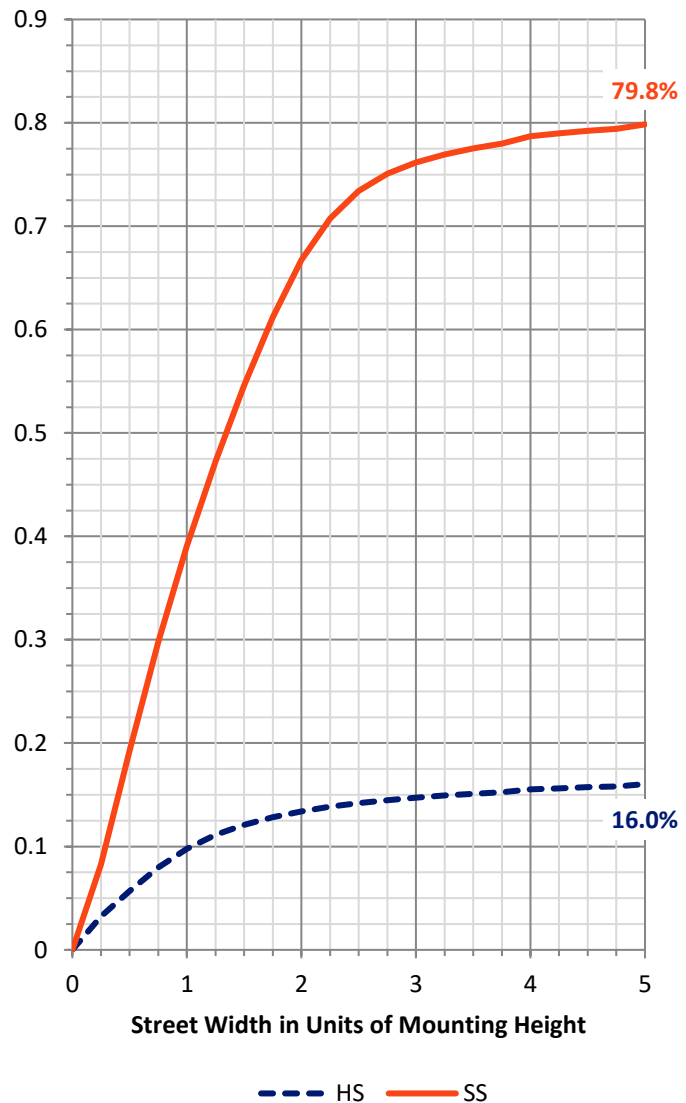
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.7	55.6	932.3
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	4141.2	58.6	4199.8
	% Fixture	80.7	1.1	81.8
Total	Lumens	5017.9	114.1	5132.1
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	42.2	0.8
20°-30°	198.4	3.9
30°-40°	436.8	8.5
40°-50°	654.9	12.8
50°-60°	964.5	18.8
60°-70°	1339.2	26.1
70°-80°	1079.0	21.0
80°-90°	302.3	5.9
90°-100°	81.4	1.6
100°-110°	15.7	0.3
110°-120°	6.1	0.1
120°-130°	4.8	0.1
130°-140°	3.3	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5017.9	97.8
0°-180°	5132.1	100.0

Coefficient of Utilization

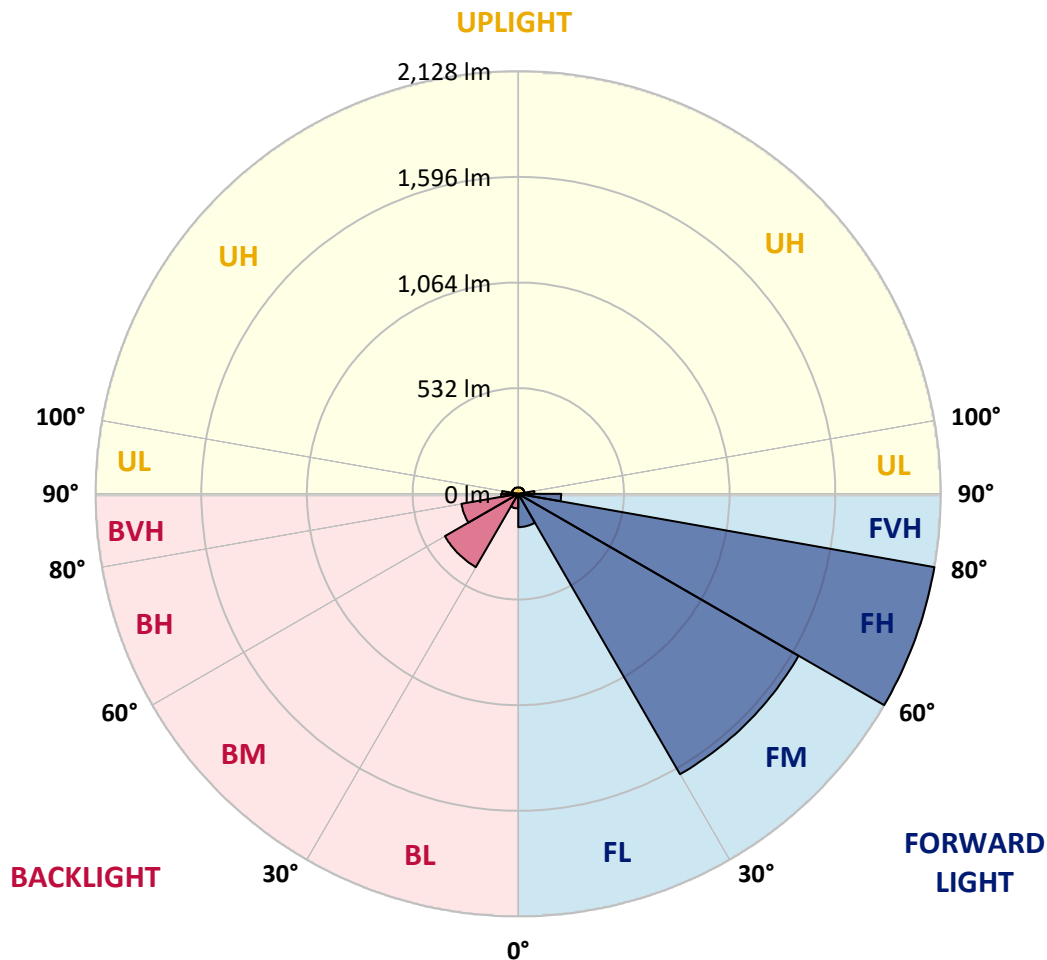


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.6	3.3			
FM (30°-60°)	1630.0	31.8			
FH (60°-80°)	2127.9	41.5			G2/5000
FVH (80°-90°)	215.8	4.2			G2/225
BL (0°-30°)	73.6	1.4	B0/110		
BM (30°-60°)	426.2	8.3	B1/1000		
BH (60°-80°)	290.3	5.7	B1/500		G1/500
BVH (80°-90°)	86.5	1.7			G1/100
UL (90°-100°)	81.4	1.6		U3/500	
UH (100°-180°)	32.7	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
5°	5.6	5.6	5.6	5.6	7.5	7.5	5.6	5.6	5.6	5.6	5.6
7.5°	9.4	9.4	7.5	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6
10°	54.5	52.6	47.0	31.9	18.8	9.4	7.5	7.5	7.5	7.5	9.4
12.5°	238.7	236.8	238.7	223.6	60.1	31.9	15.0	15.0	22.6	30.1	39.5
15°	251.8	253.7	253.7	246.2	246.2	105.2	58.3	80.8	231.1	251.8	246.2
17.5°	330.7	319.5	274.4	263.1	268.7	266.9	231.1	231.1	268.7	283.8	280.0
20°	389.0	389.0	390.9	387.1	287.5	368.3	396.5	398.4	317.6	439.7	475.4
22.5°	436.0	439.7	420.9	405.9	437.9	381.5	430.3	430.3	537.5	603.2	578.8
25°	605.1	603.2	569.4	454.8	454.8	462.3	584.4	595.7	672.8	670.9	644.6
27.5°	697.2	697.2	659.6	592.0	503.6	528.1	601.4	627.7	763.0	969.7	877.6
30°	941.5	945.3	862.6	706.6	608.9	561.9	697.2	744.2	956.5	1018.5	911.4
32.5°	1012.9	1014.8	1020.4	903.9	704.7	623.9	761.1	794.9	1026.1	1289.2	1148.2
35°	1033.6	1037.3	1037.3	954.7	883.2	725.4	774.2	798.7	1221.5	1358.7	1150.1
37.5°	1101.2	1099.4	1084.3	988.5	952.8	802.4	855.1	879.5	1302.3	1462.0	1144.5
40°	1197.1	1197.1	1172.6	1054.2	981.0	881.4	911.4	937.7	1396.3	1584.2	1148.2
42.5°	1307.9	1298.5	1270.4	1129.4	1026.1	930.2	986.6	1009.1	1494.0	1738.3	1153.8
45°	1441.4	1432.0	1375.6	1234.7	1105.0	950.9	1041.1	1084.3	1604.9	1901.8	1187.7
47.5°	1569.2	1565.4	1501.5	1339.9	1183.9	981.0	1082.4	1142.6	1738.3	2110.4	1253.4
50°	1727.0	1708.2	1625.5	1443.3	1255.3	1039.2	1189.6	1229.0	1879.2	2311.5	1353.0
52.5°	1869.8	1836.0	1749.6	1548.5	1341.8	1120.0	1353.0	1379.4	2040.8	2521.9	1467.7
55°	2008.9	1960.0	1841.6	1657.5	1424.5	1214.0	1529.7	1535.3	2225.0	2738.0	1608.6
57.5°	2217.5	2166.8	1995.7	1759.0	1533.5	1334.3	1700.7	1719.5	2407.3	2980.5	1774.0
60°	2506.9	2471.2	2264.5	1999.5	1727.0	1494.0	1905.5	1943.1	2587.7	3222.9	1937.5
62.5°	2617.8	2576.4	2420.5	2236.3	2003.3	1781.5	2159.2	2260.7	2751.2	3467.2	2127.3
65°	2317.1	2317.1	2234.4	2245.7	2176.2	2241.9	2520.1	2638.4	2942.9	3660.7	2290.8
67.5°	1507.1	1514.7	1567.3	1790.9	2039.0	2614.0	3142.1	3305.6	3234.2	3869.3	2428.0
70°	684.0	710.3	825.0	1135.1	1552.2	2636.6	3858.1	4096.7	3572.4	4012.2	2476.8
72.5°	447.3	456.7	483.0	599.5	913.3	2258.8	4254.6	4489.5	3880.6	3999.0	2388.5
75°	374.0	368.3	383.4	424.7	460.4	1550.4	4047.9	4243.3	3841.2	3762.2	2174.3
77.5°	310.1	304.4	319.5	342.0	272.5	851.3	3365.7	3478.5	3322.5	3215.4	1774.0
80°	238.7	238.7	246.2	276.2	199.2	413.4	2501.3	2585.8	2459.9	2296.4	1061.8
82.5°	163.5	161.6	178.5	212.4	159.7	238.7	1708.2	1710.1	1469.6	1118.1	499.9
85°	73.3	73.3	88.3	122.2	94.0	148.5	779.9	808.1	499.9	357.1	223.6
87.5°	24.4	24.4	26.3	30.1	31.9	69.5	218.0	221.7	193.6	219.9	165.4
90°	22.6	22.6	22.6	22.6	24.4	67.7	195.4	195.4	172.9	204.8	165.4
92.5°	22.6	22.6	20.7	18.8	20.7	62.0	216.1	233.0	189.8	214.2	172.9
95°	22.6	22.6	18.8	16.9	18.8	45.1	216.1	231.1	199.2	186.0	156.0
97.5°	15.0	15.0	13.2	13.2	15.0	26.3	157.9	163.5	127.8	94.0	94.0
100°	13.2	13.2	9.4	9.4	11.3	15.0	84.6	90.2	62.0	30.1	30.1
102.5°	13.2	13.2	7.5	7.5	7.5	9.4	24.4	26.3	22.6	13.2	15.0
105°	15.0	15.0	7.5	5.6	5.6	7.5	11.3	11.3	13.2	11.3	15.0
107.5°	13.2	13.2	5.6	5.6	5.6	5.6	5.6	5.6	7.5	11.3	15.0
110°	9.4	7.5	5.6	5.6	3.8	5.6	5.6	5.6	5.6	9.4	13.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	5.6	5.6	3.8	3.8	3.8	5.6	3.8	3.8	5.6	7.5	11.3
115°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.5	9.4
117.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.5	11.3
120°	5.6	5.6	3.8	1.9	3.8	3.8	3.8	3.8	3.8	7.5	11.3
122.5°	5.6	5.6	3.8	1.9	3.8	3.8	3.8	3.8	3.8	7.5	11.3
125°	5.6	5.6	3.8	1.9	3.8	1.9	3.8	3.8	3.8	7.5	9.4
127.5°	5.6	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	5.6	9.4
130°	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	5.6	9.4
132.5°	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	5.6	7.5
135°	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8	5.6
137.5°	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8	5.6
140°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
145°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
147.5°	3.8	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
150°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6	5.6	5.6
5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
7.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
10°	7.5	7.5	5.6	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
12.5°	45.1	39.5	30.1	16.9	7.5	3.8	3.8	3.8	5.6	7.5	7.5
15°	234.9	219.9	176.6	116.5	37.6	9.4	5.6	16.9	52.6	71.4	69.5
17.5°	268.7	246.2	184.2	127.8	103.4	47.0	48.9	88.3	103.4	110.9	109.0
20°	464.2	383.4	227.4	148.5	120.3	112.8	99.6	112.8	127.8	137.2	139.1
22.5°	528.1	439.7	270.6	221.7	154.1	159.7	148.5	142.8	203.0	218.0	221.7
25°	571.3	456.7	283.8	249.9	234.9	186.0	204.8	210.5	234.9	244.3	246.2
27.5°	732.9	537.5	349.5	285.6	263.1	234.9	242.4	242.4	268.7	313.8	315.7
30°	723.5	505.5	366.5	334.5	295.0	276.2	265.0	308.2	342.0	351.4	353.3
32.5°	847.5	546.9	409.7	353.3	328.9	293.2	313.8	338.3	358.9	385.2	400.3
35°	776.1	494.2	426.6	396.5	347.7	321.3	340.1	362.7	432.2	454.8	454.8
37.5°	697.2	451.0	411.6	400.3	374.0	342.0	347.7	409.7	441.6	432.2	432.2
40°	625.8	420.9	398.4	392.8	375.8	342.0	368.3	398.4	428.5	420.9	420.9
42.5°	580.7	402.2	385.2	381.5	368.3	336.4	357.1	392.8	426.6	413.4	411.6
45°	563.8	385.2	375.8	368.3	347.7	323.2	349.5	396.5	422.8	407.8	405.9
47.5°	580.7	375.8	366.5	357.1	330.7	302.6	353.3	390.9	415.3	392.8	389.0
50°	635.2	375.8	355.2	342.0	317.6	302.6	347.7	377.7	396.5	370.2	364.6
52.5°	706.6	383.4	343.9	325.1	304.4	300.7	340.1	370.2	381.5	353.3	351.4
55°	804.3	396.5	328.9	312.0	283.8	293.2	340.1	372.1	368.3	336.4	334.5
57.5°	903.9	411.6	315.7	302.6	270.6	283.8	336.4	374.0	351.4	312.0	312.0
60°	1011.0	430.3	298.8	291.3	261.2	270.6	325.1	370.2	334.5	293.2	293.2
62.5°	1118.1	439.7	285.6	280.0	249.9	257.5	312.0	358.9	328.9	289.4	289.4
65°	1204.6	430.3	272.5	265.0	234.9	242.4	293.2	349.5	319.5	291.3	293.2
67.5°	1253.4	404.0	259.3	253.7	219.9	227.4	270.6	328.9	304.4	289.4	293.2
70°	1230.9	358.9	242.4	234.9	204.8	214.2	249.9	304.4	295.0	289.4	295.0
72.5°	1133.2	325.1	221.7	218.0	186.0	199.2	236.8	283.8	283.8	300.7	302.6
75°	1009.1	289.4	204.8	201.1	172.9	182.3	231.1	259.3	265.0	287.5	293.2
77.5°	819.3	242.4	180.4	184.2	169.1	169.1	219.9	244.3	249.9	276.2	278.1
80°	501.8	178.5	156.0	165.4	156.0	161.6	206.7	227.4	231.1	266.9	270.6
82.5°	249.9	125.9	133.4	146.6	139.1	159.7	197.3	216.1	234.9	270.6	272.5
85°	127.8	77.0	101.5	118.4	120.3	176.6	193.6	223.6	219.9	244.3	249.9
87.5°	80.8	39.5	58.3	63.9	90.2	167.3	171.0	184.2	180.4	208.6	208.6
90°	78.9	31.9	50.7	48.9	90.2	142.8	131.5	133.4	142.8	176.6	178.5
92.5°	82.7	30.1	52.6	48.9	95.8	112.8	105.2	101.5	112.8	133.4	137.2
95°	73.3	28.2	56.4	52.6	82.7	75.2	67.7	75.2	73.3	73.3	75.2
97.5°	43.2	20.7	54.5	52.6	65.8	39.5	45.1	56.4	43.2	31.9	30.1
100°	18.8	13.2	52.6	50.7	41.3	24.4	37.6	47.0	31.9	13.2	13.2
102.5°	11.3	11.3	37.6	47.0	24.4	13.2	28.2	31.9	18.8	11.3	11.3
105°	11.3	11.3	18.8	28.2	9.4	7.5	13.2	15.0	9.4	9.4	9.4
107.5°	11.3	11.3	9.4	9.4	7.5	7.5	7.5	7.5	7.5	9.4	9.4
110°	11.3	11.3	7.5	9.4	7.5	5.6	5.6	5.6	7.5	9.4	9.4

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.4	9.4	7.5	7.5	5.6	5.6	5.6	5.6	7.5	9.4	9.4
115°	9.4	9.4	7.5	5.6	5.6	5.6	5.6	5.6	7.5	9.4	9.4
117.5°	9.4	7.5	5.6	5.6	5.6	5.6	5.6	5.6	7.5	11.3	11.3
120°	9.4	7.5	5.6	5.6	3.8	3.8	5.6	5.6	7.5	11.3	11.3
122.5°	9.4	9.4	5.6	5.6	3.8	3.8	3.8	5.6	7.5	11.3	11.3
125°	9.4	7.5	5.6	5.6	3.8	3.8	3.8	3.8	7.5	11.3	11.3
127.5°	9.4	7.5	5.6	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3
130°	7.5	7.5	5.6	3.8	3.8	3.8	3.8	3.8	7.5	9.4	11.3
132.5°	7.5	5.6	3.8	3.8	3.8	3.8	3.8	3.8	5.6	9.4	9.4
135°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	5.6	7.5	7.5
137.5°	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
140°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	5.6	5.6
142.5°	3.8	3.8	3.8	3.8	1.9	3.8	3.8	3.8	5.6	5.6	5.6
145°	5.6	3.8	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	5.6
147.5°	5.6	3.8	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	5.6
150°	5.6	5.6	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	5.6
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)