

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: P695449

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5693 lumens
Efficiency: N/A
Efficacy: 107.2 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 - G3

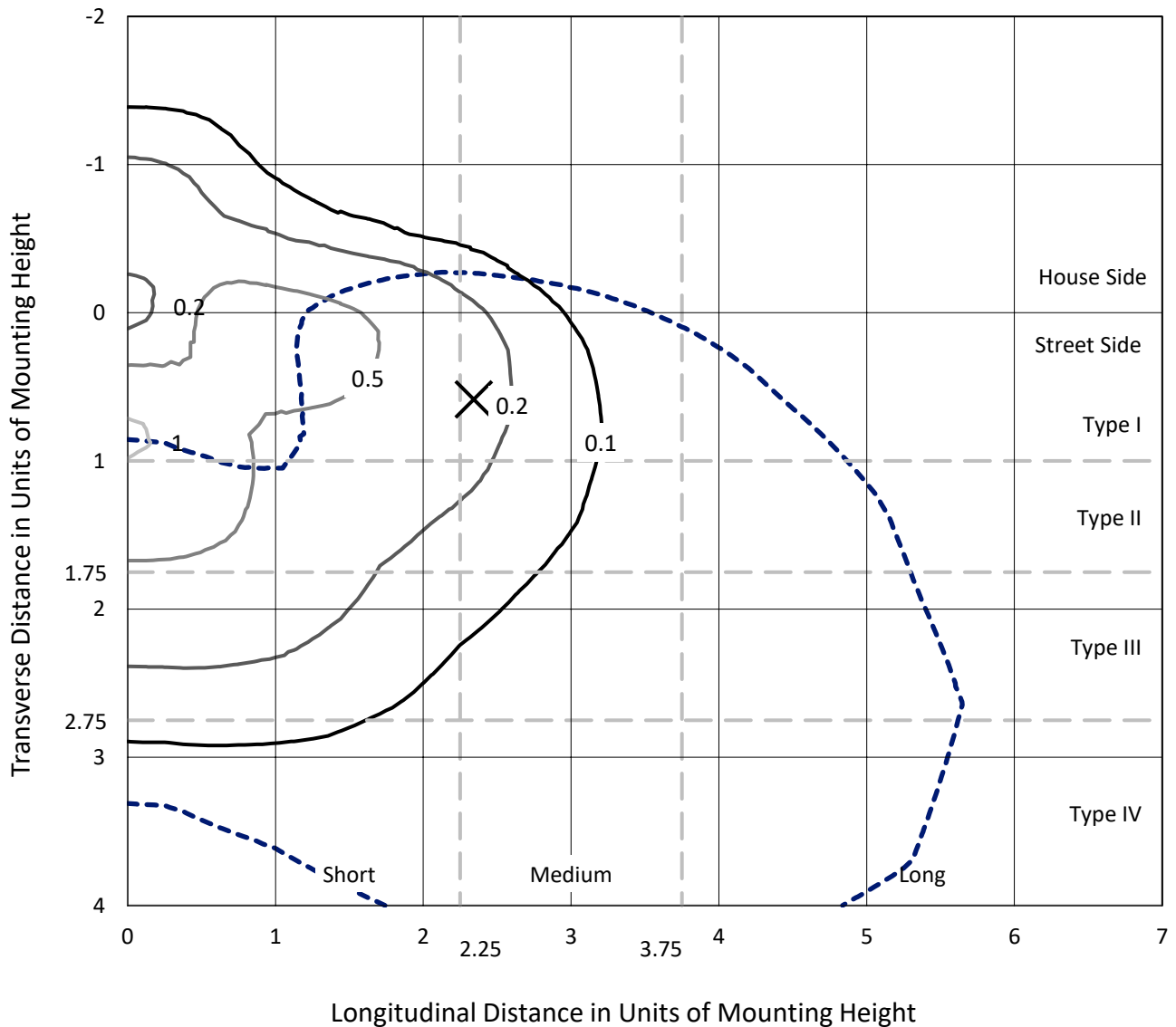
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

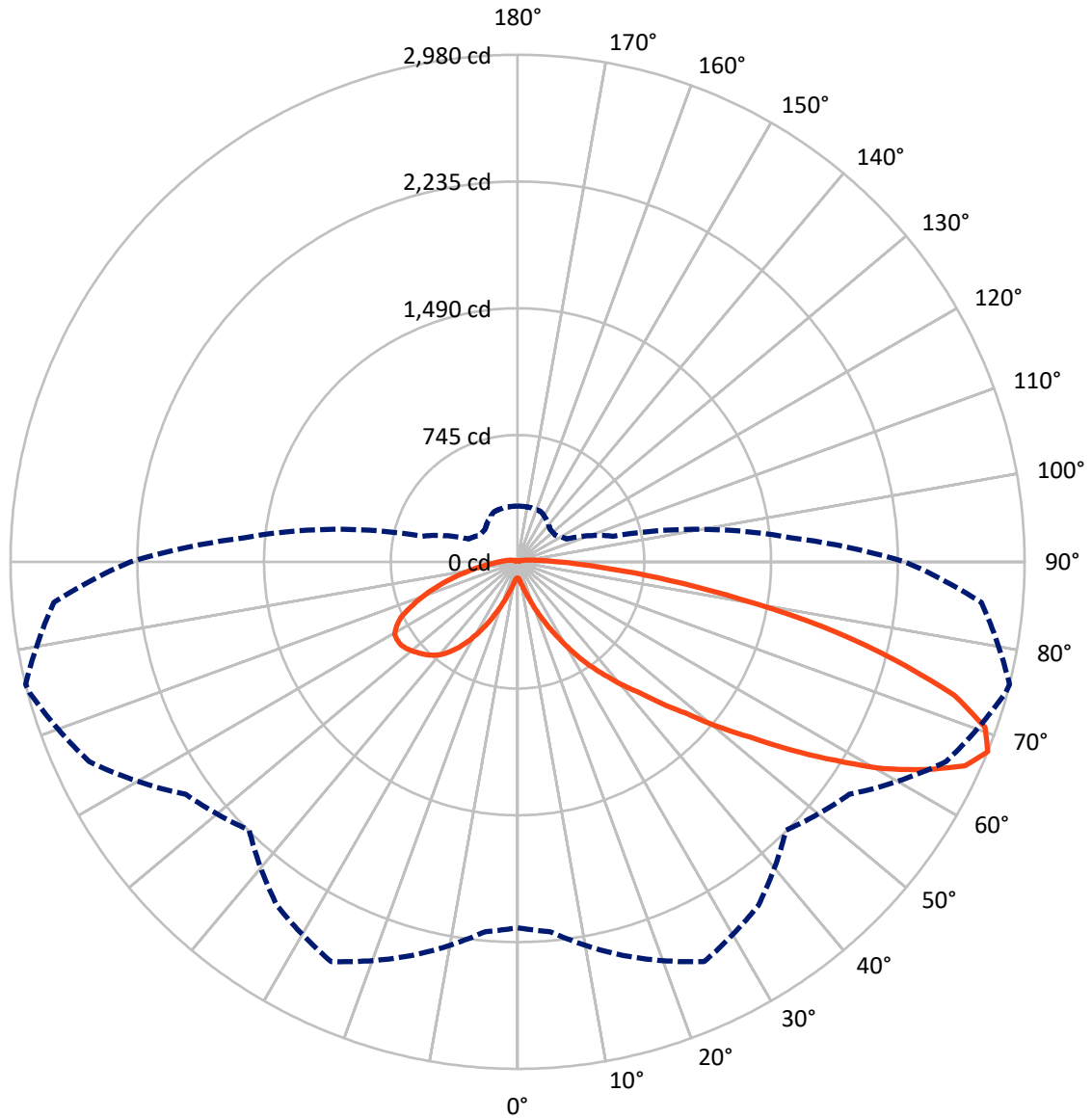
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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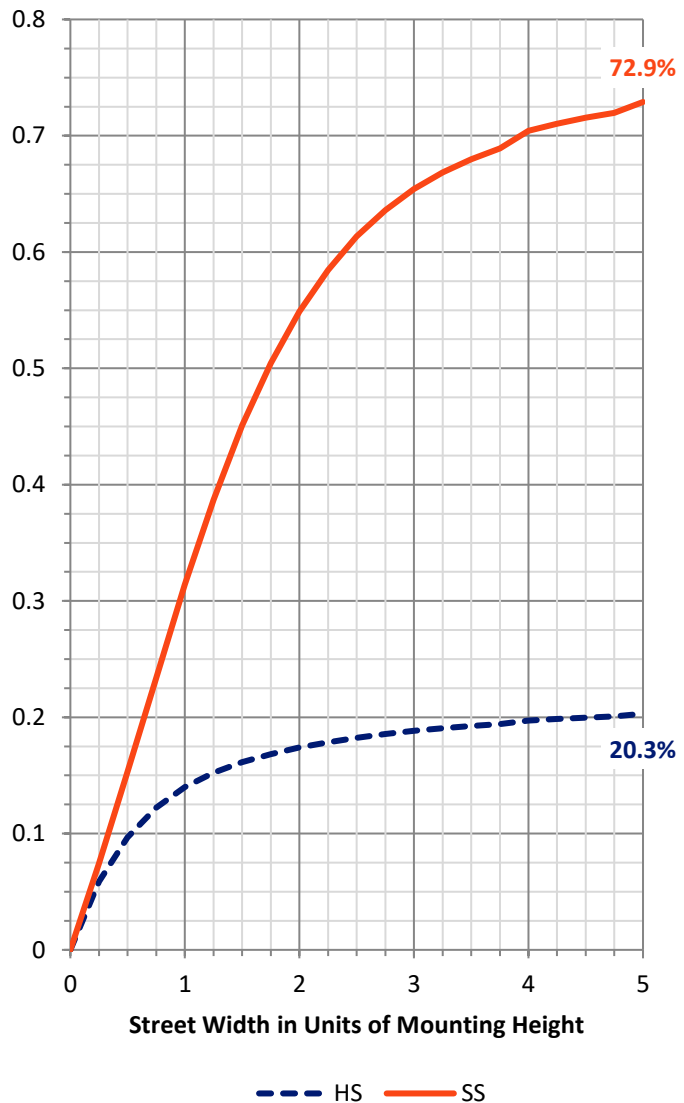
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1219.2	98.3	1317.5
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	4276.1	99.4	4375.5
	% Fixture	75.1	1.7	76.9
Total	Lumens	5495.3	197.7	5693.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.2
10°-20°	56.2	1.0
20°-30°	177.6	3.1
30°-40°	396.0	7.0
40°-50°	679.6	11.9
50°-60°	1060.2	18.6
60°-70°	1451.7	25.5
70°-80°	1216.6	21.4
80°-90°	446.4	7.8
90°-100°	112.4	2.0
100°-110°	42.8	0.8
110°-120°	20.5	0.4
120°-130°	11.5	0.2
130°-140°	6.7	0.1
140°-150°	3.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5495.3	96.5
0°-180°	5693.0	100.0

Coefficient of Utilization



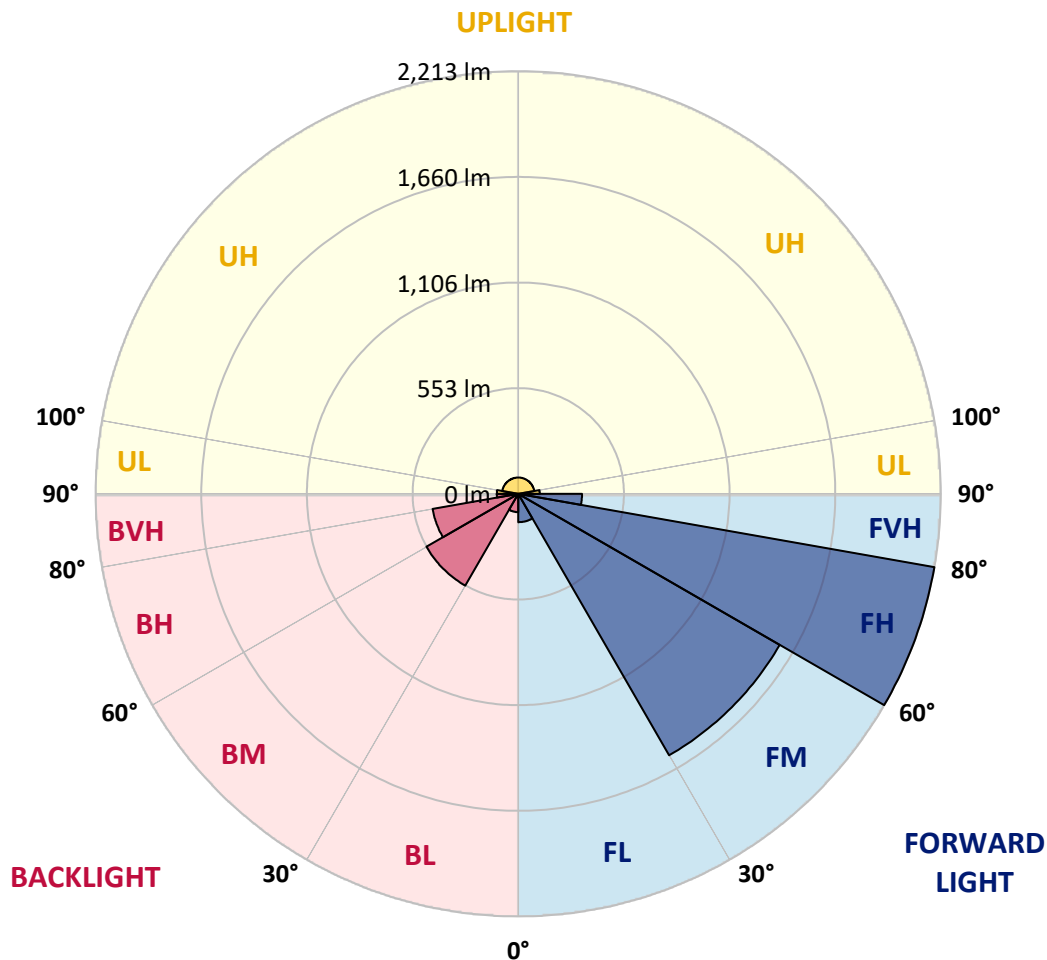
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.6	2.6			
FM (30°-60°)	1580.8	27.8			
FH (60°-80°)	2212.9	38.9			G2/5000
FVH (80°-90°)	333.8	5.9			G3/500
BL (0°-30°)	96.0	1.7	B0/110		
BM (30°-60°)	555.1	9.8	B1/1000		
BH (60°-80°)	455.4	8.0	B1/500		G1/500
BVH (80°-90°)	112.7	2.0			G2/225
UL (90°-100°)	112.4	2.0		U3/500	
UH (100°-180°)	85.2	1.5		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°	75°	76°	85°
0°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	100.8	100.8	100.8	100.8	102.9	100.8	100.8	98.8	98.8	96.7	96.7
5°	115.2	115.2	115.2	115.2	115.2	113.2	111.1	109.1	107.0	105.0	105.0
7.5°	135.8	135.8	135.8	133.8	131.7	129.6	127.6	123.5	119.4	119.4	115.2
10°	164.6	164.6	164.6	162.6	156.4	152.3	148.2	142.0	139.9	137.9	133.8
12.5°	203.7	203.7	199.6	195.5	187.3	181.1	174.9	168.7	166.7	164.6	158.5
15°	253.1	251.1	246.9	234.6	226.4	216.1	209.9	203.7	197.6	197.6	195.5
17.5°	312.8	310.7	300.5	284.0	271.6	255.2	246.9	242.8	242.8	240.8	236.7
20°	384.8	384.8	370.4	345.7	321.0	300.5	294.3	292.2	292.2	294.3	288.1
22.5°	477.4	475.4	454.8	413.6	378.7	351.9	345.7	345.7	351.9	351.9	349.8
25°	580.3	578.3	541.2	496.0	440.4	411.6	397.2	407.5	421.9	423.9	426.0
27.5°	705.9	697.6	654.4	584.4	512.4	467.1	456.9	473.3	502.1	500.1	504.2
30°	835.5	831.4	771.7	685.3	588.6	526.8	518.6	549.5	582.4	584.4	594.7
32.5°	987.8	965.2	909.6	794.3	666.8	590.6	578.3	623.5	672.9	677.0	687.3
35°	1140.1	1138.0	1047.5	911.6	749.1	650.3	640.0	693.5	763.5	765.5	779.9
37.5°	1294.4	1286.2	1199.8	1026.9	839.6	718.2	701.7	771.7	849.9	854.0	874.6
40°	1457.0	1446.7	1354.1	1150.4	934.3	792.3	773.8	856.1	946.6	954.9	979.6
42.5°	1599.0	1596.9	1508.4	1286.2	1026.9	864.3	852.0	940.5	1047.5	1051.6	1088.6
45°	1755.4	1728.6	1646.3	1422.0	1142.1	952.8	940.5	1049.5	1170.9	1187.4	1218.3
47.5°	1878.9	1866.5	1790.4	1570.2	1259.4	1049.5	1037.2	1166.8	1315.0	1329.4	1356.2
50°	2004.4	1990.0	1922.1	1710.1	1387.0	1162.7	1160.7	1315.0	1496.1	1518.7	1547.5
52.5°	2107.3	2099.1	2057.9	1860.3	1522.8	1275.9	1298.5	1489.9	1695.7	1712.2	1741.0
55°	2204.0	2197.8	2189.6	2027.0	1685.4	1426.1	1444.6	1685.4	1922.1	1952.9	1998.2
57.5°	2276.0	2286.3	2302.8	2189.6	1856.2	1576.3	1615.4	1924.1	2173.1	2201.9	2247.2
60°	2325.4	2341.9	2401.6	2352.2	2035.3	1743.0	1825.4	2144.3	2434.5	2467.4	2490.1
62.5°	2331.6	2358.3	2479.8	2490.1	2204.0	1918.0	2010.6	2378.9	2683.5	2689.7	2662.9
65°	2284.3	2304.8	2475.6	2574.4	2354.2	2088.8	2214.3	2619.7	2874.9	2889.3	2765.8
67.5°	2150.5	2181.4	2395.4	2592.9	2465.4	2230.8	2381.0	2778.2	2969.5	2979.8	2734.9
70°	1901.5	1957.1	2212.2	2485.9	2488.0	2309.0	2490.1	2846.1	2926.3	2914.0	2549.7
72.5°	1601.0	1615.4	1897.4	2263.7	2401.6	2306.9	2477.7	2763.7	2706.1	2683.5	2204.0
75°	1170.9	1210.0	1473.5	1920.0	2195.8	2171.1	2331.6	2518.9	2321.3	2280.1	1796.5
77.5°	792.3	833.4	1041.3	1473.5	1848.0	1928.2	2064.1	2119.6	1868.6	1833.6	1317.1
80°	498.0	526.8	672.9	1028.9	1448.8	1574.3	1677.2	1642.2	1356.2	1323.2	936.3
82.5°	277.8	292.2	411.6	670.9	1020.7	1197.7	1278.0	1191.5	934.3	897.2	607.1
85°	146.1	164.6	232.5	407.5	681.2	852.0	915.8	788.2	574.2	561.8	378.7
87.5°	80.3	88.5	133.8	244.9	421.9	578.3	607.1	496.0	356.0	339.6	240.8
90°	49.4	53.5	78.2	146.1	261.4	362.2	380.7	310.7	222.3	218.1	160.5
92.5°	32.9	35.0	53.5	94.7	164.6	232.5	244.9	193.4	146.1	142.0	115.2
95°	24.7	26.8	41.2	67.9	113.2	158.5	156.4	131.7	98.8	96.7	84.4
97.5°	20.6	22.6	35.0	53.5	82.3	107.0	107.0	86.4	72.0	72.0	65.9
100°	18.5	18.5	28.8	43.2	61.7	78.2	78.2	63.8	53.5	53.5	49.4
102.5°	16.5	16.5	24.7	37.0	49.4	61.7	59.7	49.4	41.2	41.2	39.1
105°	14.4	14.4	22.6	30.9	41.2	49.4	47.3	39.1	32.9	30.9	28.8
107.5°	12.3	12.3	18.5	26.8	37.0	41.2	39.1	32.9	24.7	24.7	22.6
110°	12.3	12.3	16.5	24.7	30.9	35.0	32.9	26.8	20.6	20.6	18.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	10.3	10.3	14.4	20.6	26.8	30.9	28.8	22.6	16.5	16.5	16.5
115°	10.3	10.3	12.3	18.5	22.6	26.8	24.7	18.5	14.4	14.4	14.4
117.5°	10.3	10.3	12.3	16.5	20.6	22.6	20.6	16.5	12.3	12.3	12.3
120°	8.2	8.2	10.3	14.4	18.5	20.6	18.5	14.4	10.3	10.3	12.3
122.5°	8.2	8.2	10.3	12.3	16.5	18.5	16.5	12.3	10.3	10.3	10.3
125°	8.2	8.2	10.3	12.3	14.4	16.5	14.4	10.3	10.3	10.3	10.3
127.5°	8.2	8.2	8.2	10.3	12.3	14.4	12.3	10.3	8.2	8.2	10.3
130°	8.2	8.2	8.2	10.3	12.3	12.3	10.3	8.2	8.2	8.2	10.3
132.5°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	10.3	10.3	8.2	8.2	8.2	8.2	8.2
137.5°	8.2	6.2	6.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2
140°	6.2	6.2	6.2	6.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
145°	6.2	6.2	6.2	4.1	6.2	6.2	4.1	4.1	4.1	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	96.7	94.7	94.7	94.7	94.7	92.6	92.6	92.6	92.6	90.5	92.6
5°	102.9	102.9	100.8	96.7	96.7	94.7	94.7	92.6	92.6	90.5	90.5
7.5°	115.2	113.2	109.1	107.0	102.9	100.8	98.8	96.7	96.7	94.7	94.7
10°	131.7	129.6	123.5	119.4	115.2	111.1	109.1	107.0	105.0	102.9	102.9
12.5°	156.4	152.3	146.1	135.8	131.7	125.5	121.4	119.4	119.4	119.4	117.3
15°	191.4	185.2	174.9	162.6	150.2	142.0	139.9	139.9	139.9	142.0	142.0
17.5°	232.5	224.3	212.0	191.4	174.9	164.6	162.6	162.6	164.6	168.7	168.7
20°	284.0	273.7	255.2	228.4	203.7	189.3	185.2	189.3	197.6	199.6	199.6
22.5°	343.7	335.4	304.6	265.5	234.6	216.1	212.0	216.1	226.4	234.6	236.7
25°	415.7	403.3	360.1	308.7	265.5	242.8	236.7	246.9	261.4	273.7	273.7
27.5°	496.0	481.5	421.9	354.0	296.3	265.5	259.3	273.7	298.4	312.8	314.9
30°	582.4	559.7	481.5	397.2	323.1	286.0	281.9	302.5	331.3	349.8	351.9
32.5°	677.0	640.0	543.3	436.3	347.8	300.5	298.4	325.1	360.1	382.8	384.8
35°	765.5	724.4	598.8	465.1	364.2	310.7	310.7	341.6	382.8	405.4	407.5
37.5°	852.0	798.5	646.2	487.7	372.5	314.9	316.9	354.0	395.1	417.8	419.8
40°	946.6	878.7	687.3	498.0	374.5	316.9	321.0	360.1	397.2	419.8	419.8
42.5°	1045.4	963.1	714.1	498.0	370.4	314.9	319.0	358.1	393.1	409.5	411.6
45°	1160.7	1053.6	732.6	489.8	362.2	308.7	314.9	354.0	380.7	388.9	391.0
47.5°	1292.4	1148.3	747.0	477.4	351.9	302.5	310.7	343.7	366.3	366.3	366.3
50°	1459.0	1255.3	759.4	456.9	339.6	296.3	304.6	335.4	347.8	343.7	343.7
52.5°	1640.1	1372.6	767.6	436.3	327.2	288.1	298.4	327.2	333.4	323.1	323.1
55°	1841.8	1510.5	767.6	415.7	314.9	281.9	294.3	319.0	321.0	310.7	306.6
57.5°	2035.3	1619.6	757.3	393.1	302.5	275.8	290.2	314.9	314.9	304.6	302.5
60°	2208.1	1720.4	740.8	372.5	294.3	271.6	290.2	312.8	312.8	304.6	304.6
62.5°	2331.6	1753.3	699.7	354.0	286.0	271.6	292.2	314.9	316.9	312.8	310.7
65°	2362.5	1736.9	652.4	333.4	277.8	269.6	296.3	321.0	323.1	321.0	321.0
67.5°	2276.0	1615.4	580.3	316.9	271.6	269.6	298.4	325.1	327.2	327.2	327.2
70°	2051.7	1434.4	514.5	298.4	265.5	267.5	302.5	329.3	329.3	329.3	329.3
72.5°	1734.8	1203.9	446.6	281.9	255.2	263.4	302.5	327.2	327.2	325.1	325.1
75°	1370.6	952.8	382.8	265.5	242.8	255.2	298.4	321.0	319.0	316.9	314.9
77.5°	1014.5	707.9	321.0	242.8	228.4	244.9	286.0	306.6	304.6	302.5	298.4
80°	699.7	493.9	267.5	220.2	209.9	228.4	267.5	286.0	284.0	279.9	279.9
82.5°	454.8	339.6	216.1	193.4	189.3	209.9	246.9	261.4	257.2	253.1	251.1
85°	294.3	230.5	172.9	164.6	168.7	187.3	216.1	228.4	226.4	222.3	218.1
87.5°	193.4	164.6	135.8	135.8	144.1	164.6	185.2	191.4	189.3	189.3	185.2
90°	135.8	123.5	111.1	113.2	123.5	142.0	152.3	154.3	152.3	154.3	150.2
92.5°	100.8	94.7	90.5	94.7	105.0	119.4	125.5	121.4	123.5	123.5	121.4
95°	78.2	76.1	76.1	80.3	90.5	100.8	102.9	96.7	100.8	100.8	98.8
97.5°	61.7	61.7	63.8	67.9	76.1	84.4	84.4	80.3	82.3	82.3	82.3
100°	49.4	49.4	53.5	57.6	65.9	72.0	70.0	65.9	67.9	65.9	63.8
102.5°	39.1	41.2	45.3	49.4	55.6	59.7	59.7	55.6	55.6	53.5	53.5
105°	30.9	32.9	37.0	43.2	47.3	51.4	51.4	47.3	43.2	41.2	41.2
107.5°	24.7	26.8	30.9	35.0	41.2	43.2	43.2	39.1	35.0	30.9	30.9
110°	20.6	22.6	26.8	30.9	35.0	37.0	37.0	32.9	28.8	24.7	24.7

REPORT NUMBER: P695449
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	18.5	22.6	26.8	28.8	30.9	30.9	28.8	22.6	20.6	20.6
115°	14.4	16.5	18.5	22.6	24.7	26.8	26.8	22.6	18.5	16.5	16.5
117.5°	14.4	14.4	16.5	20.6	22.6	24.7	22.6	20.6	16.5	14.4	14.4
120°	12.3	14.4	16.5	16.5	20.6	20.6	20.6	16.5	14.4	14.4	14.4
122.5°	12.3	12.3	14.4	16.5	16.5	18.5	18.5	14.4	12.3	12.3	12.3
125°	10.3	12.3	12.3	14.4	16.5	16.5	16.5	12.3	12.3	12.3	12.3
127.5°	10.3	10.3	12.3	12.3	14.4	14.4	14.4	12.3	10.3	10.3	10.3
130°	10.3	10.3	10.3	10.3	12.3	12.3	12.3	10.3	10.3	10.3	10.3
132.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.2	10.3	10.3
135°	8.2	8.2	8.2	8.2	10.3	10.3	8.2	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
140°	8.2	8.2	8.2	6.2	8.2	8.2	6.2	6.2	6.2	8.2	8.2
142.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
145°	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	4.1
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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)