

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: P695041

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695041
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-PA16-40-727-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 3716.9 lumens
Efficiency: N/A
Efficacy: 92.5 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 - U3 - G2

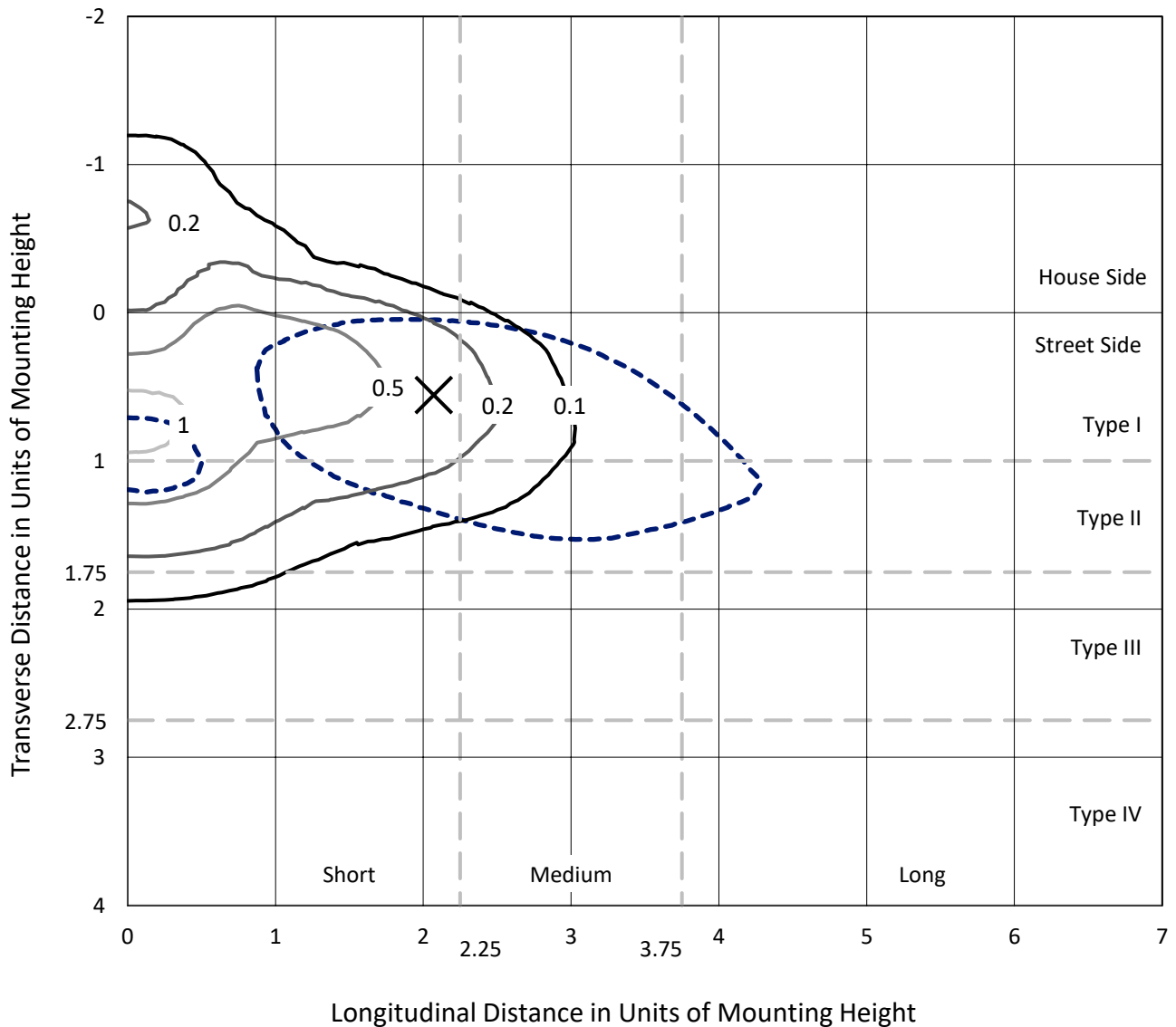
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695041
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

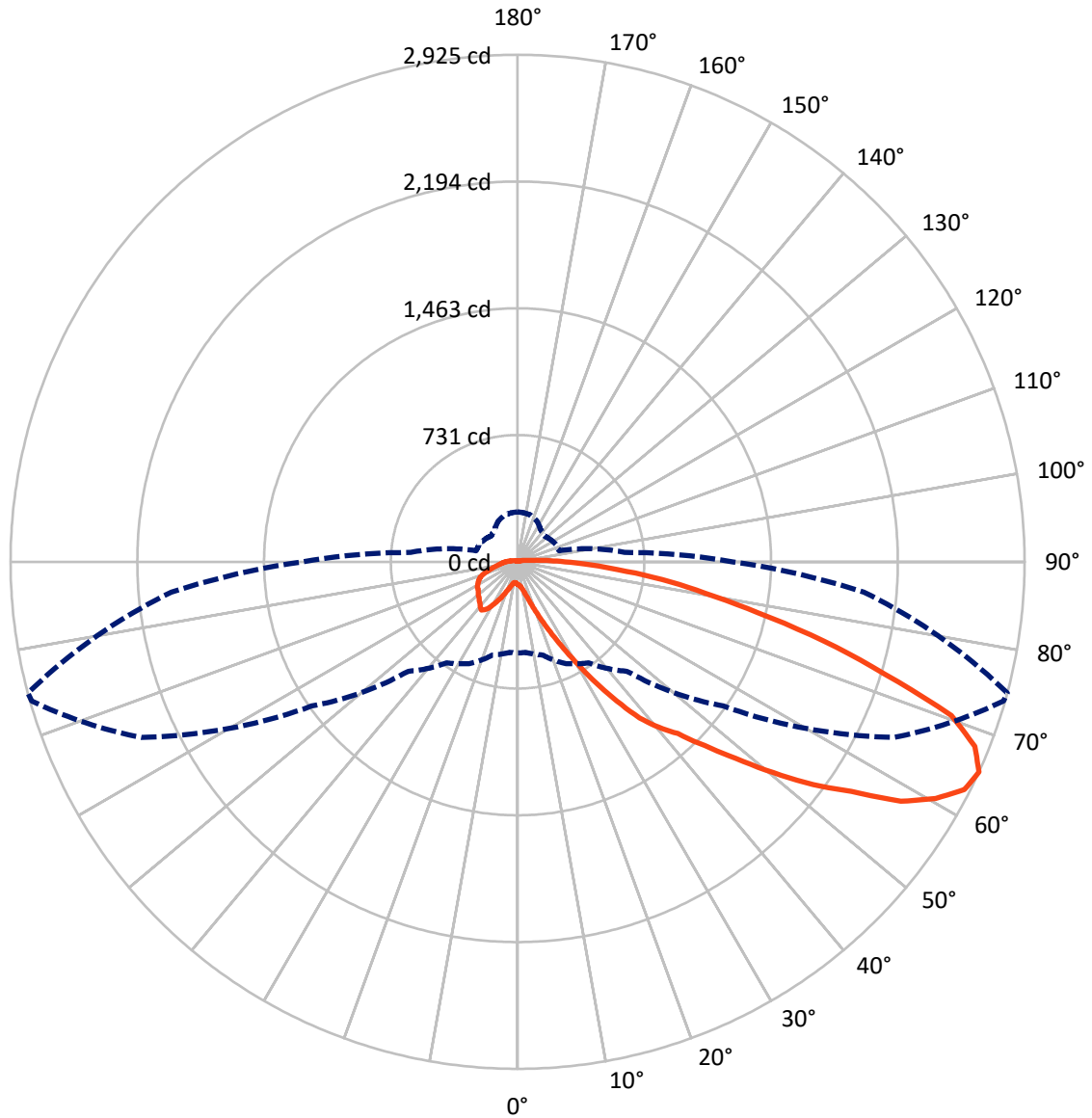
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

REPORT NUMBER: P695041
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695041
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

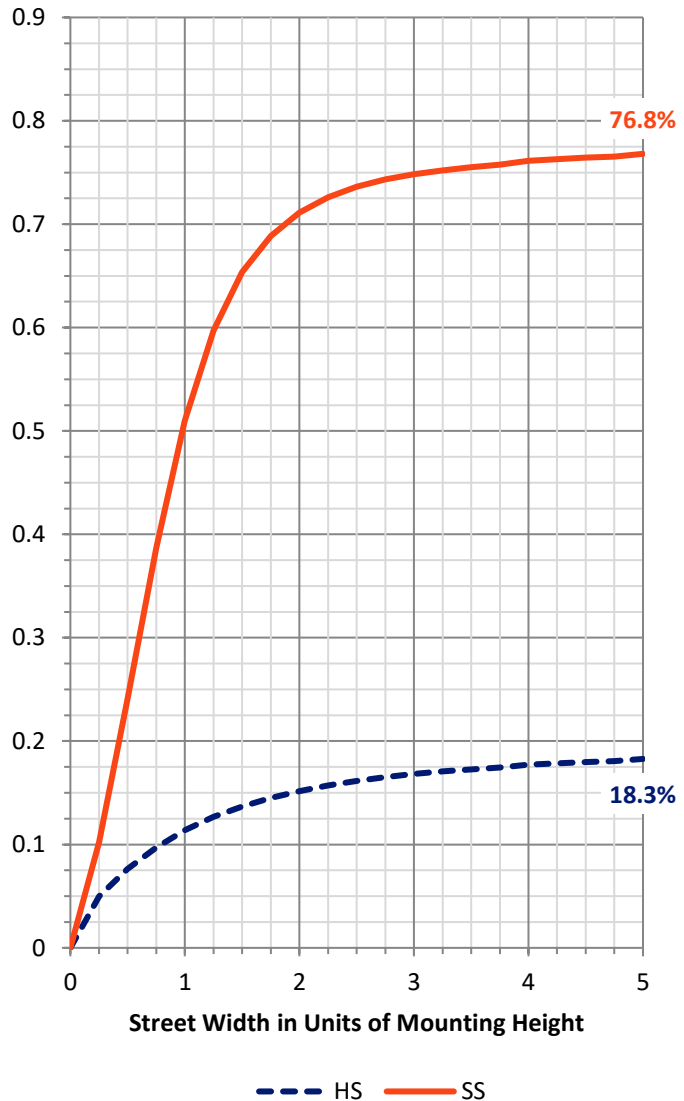
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.7	56.5	768.2
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	2892.1	56.7	2948.8
	% Fixture	77.8	1.5	79.3
Total	Lumens	3603.8	113.2	3716.9
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.4
10°-20°	56.7	1.5
20°-30°	177.1	4.8
30°-40°	421.1	11.3
40°-50°	652.0	17.5
50°-60°	813.5	21.9
60°-70°	796.0	21.4
70°-80°	484.1	13.0
80°-90°	190.1	5.1
90°-100°	59.3	1.6
100°-110°	23.7	0.6
110°-120°	13.1	0.4
120°-130°	8.6	0.2
130°-140°	5.7	0.2
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3603.8	97.0
0°-180°	3716.9	100.0

Coefficient of Utilization

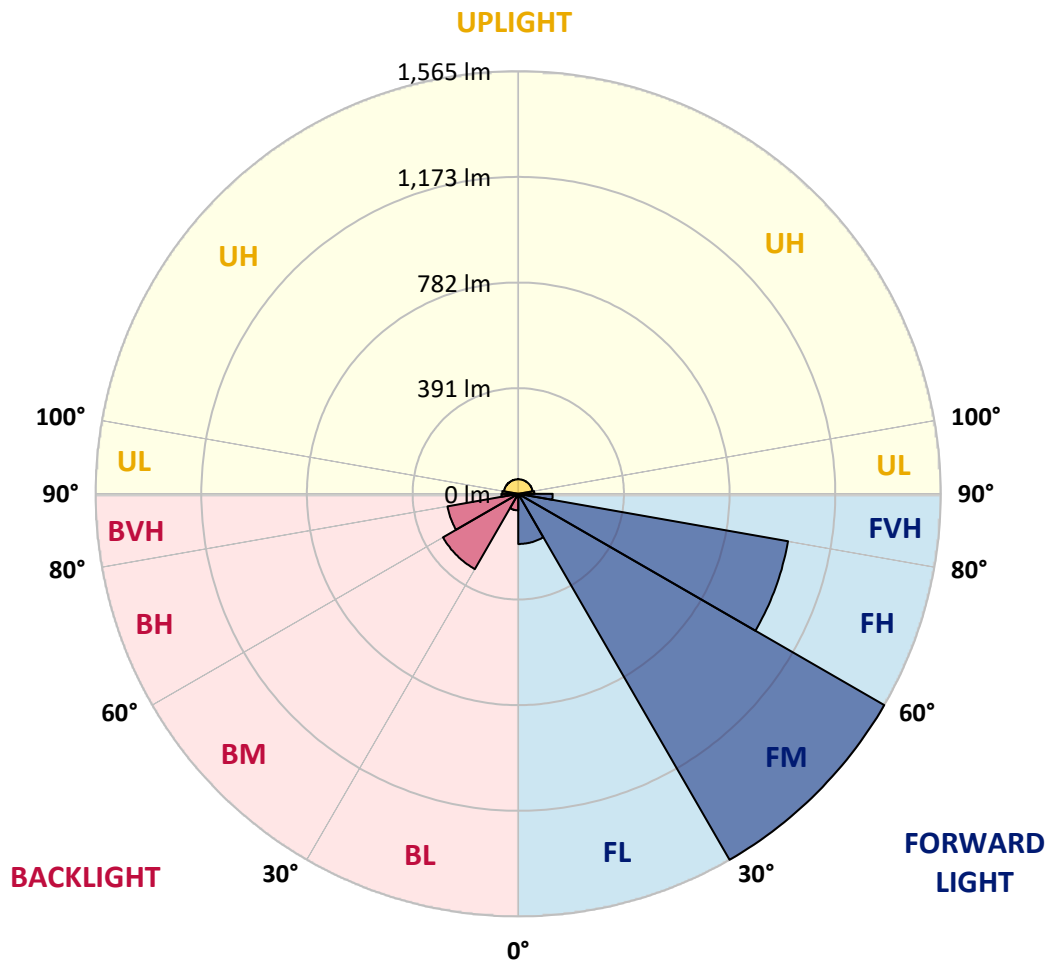


REPORT NUMBER: P695041
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.8	5.0			
FM (30°-60°)	1564.6	42.1			
FH (60°-80°)	1014.2	27.3			G1/1800
FVH (80°-90°)	127.6	3.4			G2/225
BL (0°-30°)	61.3	1.6	B0/110		
BM (30°-60°)	322.0	8.7	B1/1000		
BH (60°-80°)	265.9	7.2	B1/500		G1/500
BVH (80°-90°)	62.5	1.7			G1/100
UL (90°-100°)	59.3	1.6		U3/500	
UH (100°-180°)	53.9	1.4		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



REPORT NUMBER: P695041

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	144.3	145.6	144.3	142.9	141.5	140.2	137.4	136.0	133.3	133.3	130.5
5°	167.6	167.6	167.6	163.5	160.8	158.0	151.1	145.6	140.2	138.8	134.7
7.5°	196.5	193.7	192.4	188.2	182.7	177.3	167.6	158.0	149.8	148.4	140.2
10°	230.8	229.5	228.1	222.6	213.0	203.4	189.6	177.3	163.5	162.1	148.4
12.5°	277.6	276.2	270.7	263.8	250.1	235.0	218.5	203.4	185.5	184.1	164.9
15°	328.4	329.8	325.6	311.9	298.2	277.6	258.3	240.5	221.2	215.7	191.0
17.5°	405.3	404.0	394.3	371.0	354.5	332.5	307.8	284.4	261.1	256.9	225.3
20°	489.2	491.9	478.2	445.2	419.1	393.0	372.4	338.0	314.7	311.9	267.9
22.5°	596.3	603.2	574.3	541.4	497.4	467.2	446.6	413.6	380.6	380.6	324.3
25°	736.5	739.2	700.8	647.2	592.2	545.5	527.6	507.0	468.5	463.1	397.1
27.5°	880.8	889.0	843.7	773.6	691.1	634.8	623.8	612.8	566.1	564.7	472.7
30°	1104.7	1100.6	1023.7	923.4	803.8	729.6	722.7	735.1	691.1	685.6	571.6
32.5°	1308.1	1301.2	1218.8	1086.9	923.4	835.4	824.4	865.6	835.4	834.0	684.3
35°	1475.7	1466.1	1391.9	1243.5	1052.5	933.0	939.8	1008.5	993.4	986.6	787.3
37.5°	1554.0	1570.5	1507.3	1363.0	1163.8	1033.3	1064.9	1166.6	1152.8	1143.2	900.0
40°	1607.6	1629.6	1563.7	1427.6	1240.8	1122.6	1173.4	1297.1	1268.2	1255.9	948.1
42.5°	1626.9	1644.7	1600.8	1464.7	1287.5	1189.9	1257.2	1393.3	1375.4	1354.8	1016.8
45°	1614.5	1636.5	1602.1	1481.2	1310.8	1231.1	1319.1	1515.6	1529.3	1512.8	1114.3
47.5°	1566.4	1591.1	1578.8	1481.2	1317.7	1251.7	1393.3	1670.8	1702.4	1694.2	1221.5
50°	1437.2	1464.7	1486.7	1452.4	1310.8	1258.6	1475.7	1824.7	1918.2	1912.7	1369.9
52.5°	1332.8	1354.8	1363.0	1361.7	1284.7	1268.2	1554.0	2025.3	2143.5	2135.3	1503.2
55°	1192.7	1206.4	1246.3	1236.6	1198.2	1254.5	1613.1	2172.4	2346.9	2337.2	1655.7
57.5°	950.8	974.2	1048.4	1126.7	1091.0	1209.2	1639.2	2305.6	2618.9	2606.5	1831.6
60°	809.3	816.2	858.8	933.0	982.4	1118.5	1629.6	2443.0	2782.4	2771.4	1911.3
62.5°	659.5	663.7	717.2	780.5	850.5	1018.2	1573.3	2451.3	2888.2	2893.7	1989.6
65°	526.3	524.9	556.5	647.2	711.8	893.1	1451.0	2396.3	2915.7	2925.3	2004.7
67.5°	401.2	413.6	454.8	501.5	589.5	748.9	1276.5	2252.0	2841.5	2844.3	1942.9
70°	276.2	281.7	320.2	394.3	460.3	621.1	1084.1	2029.5	2654.6	2654.6	1767.0
72.5°	199.2	206.1	225.3	273.4	355.9	486.4	895.9	1742.3	2236.9	2214.9	1479.8
75°	148.4	149.8	167.6	196.5	251.4	379.2	696.6	1369.9	1816.5	1823.3	1216.0
77.5°	115.4	116.8	125.0	145.6	184.1	276.2	518.0	1056.6	1415.3	1418.0	938.5
80°	96.2	97.6	101.7	112.7	137.4	197.9	380.6	795.6	1093.7	1095.1	731.0
82.5°	79.7	81.1	85.2	92.1	107.2	147.0	273.4	608.7	828.5	839.5	548.2
85°	67.3	68.7	71.4	76.9	87.9	114.0	197.9	436.9	584.0	579.8	379.2
87.5°	55.0	55.0	59.1	63.2	71.4	92.1	145.6	299.5	395.7	391.6	263.8
90°	41.2	42.6	45.3	50.8	59.1	72.8	105.8	196.5	246.0	246.0	167.6
92.5°	30.2	30.2	34.4	39.8	46.7	59.1	76.9	125.0	147.0	148.4	108.5
95°	22.0	22.0	24.7	27.5	35.7	46.7	56.3	76.9	90.7	87.9	74.2
97.5°	17.9	17.9	19.2	22.0	27.5	37.1	44.0	55.0	60.5	60.5	55.0
100°	15.1	15.1	16.5	16.5	22.0	30.2	35.7	39.8	44.0	45.3	44.0
102.5°	12.4	13.7	13.7	13.7	17.9	26.1	28.9	31.6	34.4	34.4	34.4
105°	11.0	11.0	12.4	12.4	15.1	22.0	24.7	26.1	27.5	27.5	27.5
107.5°	9.6	9.6	11.0	11.0	13.7	19.2	20.6	20.6	22.0	22.0	22.0
110°	9.6	9.6	9.6	9.6	12.4	16.5	16.5	16.5	16.5	16.5	17.9

REPORT NUMBER: P695041

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	8.2	8.2	9.6	9.6	11.0	15.1	15.1	13.7	13.7	13.7	16.5
115°	8.2	8.2	8.2	9.6	11.0	12.4	12.4	12.4	12.4	12.4	13.7
117.5°	8.2	8.2	8.2	9.6	9.6	12.4	11.0	11.0	11.0	11.0	12.4
120°	8.2	8.2	8.2	8.2	9.6	11.0	11.0	9.6	9.6	9.6	11.0
122.5°	8.2	8.2	8.2	8.2	9.6	9.6	9.6	8.2	8.2	8.2	11.0
125°	8.2	8.2	9.6	9.6	9.6	9.6	9.6	8.2	8.2	8.2	9.6
127.5°	9.6	9.6	9.6	9.6	8.2	9.6	8.2	8.2	8.2	8.2	9.6
130°	11.0	11.0	11.0	9.6	8.2	8.2	8.2	8.2	8.2	8.2	9.6
132.5°	11.0	11.0	11.0	9.6	8.2	8.2	6.9	6.9	8.2	8.2	8.2
135°	11.0	11.0	9.6	8.2	8.2	6.9	6.9	6.9	6.9	6.9	8.2
137.5°	9.6	9.6	9.6	8.2	6.9	6.9	5.5	5.5	6.9	6.9	6.9
140°	8.2	8.2	8.2	6.9	5.5	5.5	4.1	4.1	5.5	5.5	5.5
142.5°	6.9	6.9	6.9	5.5	5.5	4.1	4.1	4.1	4.1	4.1	5.5
145°	5.5	5.5	5.5	4.1	4.1	4.1	2.7	2.7	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	4.1	4.1	4.1	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7
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

REPORT NUMBER: P695041

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	130.5	129.2	126.4	125.0	122.3	120.9	119.5	118.2	119.5	118.2	118.2
5°	131.9	129.2	123.7	118.2	114.0	111.3	108.5	105.8	105.8	104.4	103.1
7.5°	134.7	130.5	120.9	114.0	105.8	100.3	96.2	93.4	92.1	90.7	90.7
10°	141.5	134.7	122.3	109.9	100.3	92.1	86.6	83.8	81.1	81.1	81.1
12.5°	155.3	147.0	127.8	109.9	96.2	86.6	79.7	76.9	76.9	76.9	76.9
15°	178.6	164.9	140.2	116.8	97.6	83.8	79.7	81.1	83.8	86.6	85.2
17.5°	207.5	191.0	156.6	126.4	103.1	90.7	87.9	92.1	96.2	98.9	100.3
20°	243.2	218.5	174.5	136.0	112.7	104.4	101.7	105.8	111.3	115.4	115.4
22.5°	289.9	256.9	197.9	149.8	126.4	118.2	115.4	119.5	126.4	130.5	130.5
25°	349.0	303.7	226.7	167.6	141.5	129.2	129.2	134.7	144.3	149.8	151.1
27.5°	415.0	353.1	252.8	189.6	158.0	141.5	142.9	153.9	164.9	173.1	173.1
30°	486.4	412.2	283.1	208.9	170.4	153.9	155.3	169.0	184.1	195.1	193.7
32.5°	571.6	474.0	314.7	228.1	182.7	163.5	167.6	188.2	206.1	219.8	218.5
35°	658.2	527.6	335.3	246.0	193.7	171.8	178.6	204.7	225.3	237.7	237.7
37.5°	725.5	571.6	347.6	255.6	203.4	178.6	186.9	215.7	237.7	248.7	247.3
40°	748.9	571.6	338.0	256.9	207.5	184.1	193.7	221.2	240.5	247.3	243.2
42.5°	784.6	582.6	324.3	248.7	208.9	188.2	196.5	221.2	233.6	235.0	232.2
45°	835.4	600.5	314.7	243.2	206.1	189.6	196.5	217.1	232.2	236.3	233.6
47.5°	900.0	618.3	303.7	240.5	206.1	189.6	196.5	221.2	236.3	236.3	233.6
50°	982.4	647.2	298.2	241.8	210.2	191.0	200.6	226.7	240.5	237.7	236.3
52.5°	1045.6	654.0	288.5	246.0	214.3	193.7	204.7	232.2	244.6	239.1	237.7
55°	1128.1	670.5	277.6	246.0	221.2	200.6	210.2	237.7	247.3	240.5	239.1
57.5°	1213.3	688.4	276.2	244.6	224.0	206.1	215.7	241.8	250.1	244.6	243.2
60°	1236.6	667.8	267.9	248.7	225.3	211.6	219.8	246.0	258.3	255.6	255.6
62.5°	1255.9	651.3	258.3	247.3	229.5	211.6	224.0	252.8	272.1	272.1	272.1
65°	1242.1	619.7	247.3	241.8	228.1	213.0	229.5	261.1	280.3	285.8	287.2
67.5°	1184.4	575.7	236.3	233.6	221.2	213.0	230.8	261.1	284.4	292.7	292.7
70°	1060.8	502.9	217.1	217.1	211.6	204.7	226.7	256.9	276.2	285.8	285.8
72.5°	889.0	416.3	188.2	195.1	193.7	192.4	215.7	243.2	255.6	263.8	262.4
75°	707.6	335.3	163.5	166.3	169.0	173.1	197.9	219.8	224.0	230.8	229.5
77.5°	555.1	267.9	138.8	141.5	144.3	153.9	177.3	191.0	193.7	197.9	196.5
80°	434.2	219.8	119.5	119.5	123.7	133.3	152.5	164.9	170.4	173.1	169.0
82.5°	338.0	180.0	105.8	101.7	105.8	114.0	129.2	140.2	144.3	144.3	142.9
85°	240.5	144.3	93.4	87.9	89.3	97.6	111.3	118.2	120.9	119.5	116.8
87.5°	175.9	118.2	82.4	74.2	75.6	86.6	96.2	100.3	101.7	103.1	100.3
90°	123.7	94.8	71.4	61.8	61.8	72.8	82.4	83.8	85.2	85.2	83.8
92.5°	87.9	74.2	59.1	50.8	50.8	60.5	67.3	66.0	67.3	66.0	63.2
95°	64.6	57.7	49.5	41.2	39.8	46.7	49.5	48.1	49.5	48.1	48.1
97.5°	50.8	46.7	41.2	34.4	31.6	35.7	37.1	37.1	39.8	37.1	37.1
100°	41.2	38.5	35.7	28.9	26.1	28.9	30.2	31.6	33.0	31.6	31.6
102.5°	34.4	33.0	30.2	26.1	23.4	24.7	26.1	27.5	28.9	28.9	27.5
105°	27.5	27.5	26.1	22.0	20.6	20.6	22.0	23.4	26.1	26.1	26.1
107.5°	22.0	23.4	22.0	19.2	17.9	17.9	19.2	20.6	22.0	23.4	23.4
110°	19.2	19.2	19.2	16.5	16.5	16.5	16.5	17.9	20.6	22.0	22.0

REPORT NUMBER: P695041

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	16.5	16.5	15.1	15.1	15.1	15.1	15.1	17.9	19.2	20.6
115°	15.1	15.1	15.1	13.7	13.7	13.7	13.7	13.7	16.5	17.9	17.9
117.5°	13.7	13.7	13.7	12.4	12.4	12.4	12.4	12.4	13.7	16.5	16.5
120°	12.4	12.4	12.4	11.0	11.0	11.0	11.0	11.0	12.4	15.1	15.1
122.5°	11.0	11.0	11.0	11.0	9.6	9.6	9.6	9.6	11.0	13.7	13.7
125°	9.6	11.0	9.6	9.6	9.6	9.6	8.2	9.6	11.0	12.4	12.4
127.5°	9.6	9.6	9.6	9.6	8.2	8.2	8.2	8.2	9.6	11.0	11.0
130°	9.6	9.6	9.6	8.2	8.2	6.9	6.9	8.2	8.2	9.6	9.6
132.5°	8.2	8.2	8.2	8.2	6.9	6.9	6.9	6.9	8.2	8.2	8.2
135°	8.2	8.2	6.9	6.9	6.9	5.5	5.5	5.5	6.9	8.2	8.2
137.5°	6.9	6.9	6.9	6.9	5.5	5.5	5.5	5.5	6.9	6.9	6.9
140°	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5
142.5°	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5
145°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	4.1	4.1	4.1	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	1.4	1.4	1.4	2.7	2.7	2.7	2.7
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)